

# BID RECAP SHEET

1/2/2013



Company: **Astra**  
 JobName: **REDSTAR [redstar]**  
 Bid: **Base Bid**

	Materials	Hours	Labor Rate	Labor \$	Total
Piping Materials & Labor	\$277,345	12027.0	\$33.00	\$396,890	\$674,235
Equipment	\$1,500	0.0	\$33.00	\$0	\$1,500
Fixtures	\$212,699	1173.5	\$33.00	\$38,726	\$251,425
Other Job Costs	\$68,500	1504.0	Varies	\$50,112	\$118,612
Rental Equipment	\$0			\$0	\$0
Overtime Pay				\$0	\$0
Other				\$0	\$0
<b>Sub Total</b>	<b>\$560,045</b>			<b>\$485,727</b>	<b>\$1,045,772</b>
Sales Tax	\$51,804			\$0	\$51,804
<b>Sub Total</b>	<b>\$611,849</b>			<b>\$485,727</b>	<b>\$1,097,576</b>

<b>Subcontracts</b>	including Sales Tax	\$0
	<b>Sub Total</b>	<b>\$1,097,576</b>

<b>Warranty</b>	
<b>Material Escalation</b>	
<b>Freight</b>	
<b>Other</b>	
<b>Other</b>	
<b>Other</b>	
<b>Sub Total</b>	<b>\$1,097,576</b>

12%	<b>Overhead</b>	\$131,709
3%	<b>Profit</b>	\$36,879
	<b>Sub Total</b>	<b>\$1,266,163</b>

<b>Sales Tax</b>	\$0
<b>Sub Total</b>	<b>\$1,266,163</b>

<b>Bond</b>	\$0
<b>QUOTED PRICE</b>	<b>\$1,266,163</b>





## OTHER JOB COSTS

Company: **Astra**

JobName: **REDSTAR [redstar]**

	Description	Materials Total	Labor Hours		
			Hours	Rate	Total
1	Permits - Plumbing				\$0
2	Permits - Mechanical				\$0
3	Water Department Fees				\$0
4	Meter Installation Fees				\$0
5	Sewer Tap Fees				\$0
6	Gas Utility Company Fees				\$0
7					\$0
8	Pressure Testing				\$0
9	Balancing				\$0
10	Draining & Refilling				\$0
11	Welding Qualification				\$0
12					\$0
13	Trench Preparation				\$0
14	Barricades				\$0
15	Shoring				\$0
16					\$0
17	Job Office Trailers				\$0
18	Job Storage Trailers				\$0
19	Job Fabrication Facility				\$0
20	Utilities: Sewer, Water, Power, Phone				\$0
21	Equipment Cartage				\$0
22	Temporary Services & Fuel				\$0
23	Ventilation				\$0
24	Clean-up				\$0
25					\$0
26	Engineering			\$50.00	\$0
27	Drafting			\$40.00	\$0
28	Detailing			\$40.00	\$0
29	Project Management			\$50.00	\$0
30					\$0
31	Supervision		40.0	\$45.00	\$1,800
32	Material Handling		32.0	\$33.00	\$1,056
33	Lay Out		32.0	\$33.00	\$1,056
34	Insulation	\$56,000.00	1400.0	\$33.00	\$46,200
35	Administrative Costs				\$0
36	Scheduling				\$0
37	Safety				\$0
38	Misc	\$12,500.00			\$0
39	Travel & Subsistence				\$0
40					\$0
41					\$0
42					\$0
		\$68,500	1504.0		\$50,112

# EQUIPMENT RENTAL

Company: **Astra**  
 JobName: **REDSTAR [redstar]**

	Description	Rental Rates				
		Days	Weeks	Months	Rate	Total
1	Automobile				\$0.00	\$0
2	Pick-up Truck				\$0.00	\$0
3	1 1/2 Ton Stake				\$0.00	\$0
4	2 Ton Flat Bed				\$0.00	\$0
5	Hydraulic Lift				\$0.00	\$0
6	Crane 18 ton				\$0.00	\$0
7	Crane 25 ton				\$0.00	\$0
8	Tractor				\$0.00	\$0
9	Backhoe				\$0.00	\$0
10	Trenching Machine				\$0.00	\$0
11	Air Compressor				\$0.00	\$0
12	Welder Gas				\$0.00	\$0
13	Welder Electric				\$0.00	\$0
14	Welder Heli-arc				\$0.00	\$0
15	8" Pipe Machine				\$0.00	\$0
16	4" Pipe Machine				\$0.00	\$0
17	2" Pipe Machine				\$0.00	\$0
18	Pipe Bender				\$0.00	\$0
19	Band Saw				\$0.00	\$0
20	Cut-off Saw				\$0.00	\$0
21	Power Hoist				\$0.00	\$0
22	High Jacks				\$0.00	\$0
23	Water Pump				\$0.00	\$0
24	Trailer Van				\$0.00	\$0
25	Portable Building				\$0.00	\$0
26	Dewatering Equipment				\$0.00	\$0
27	Fork Lift				\$0.00	\$0
28	Portable Hoist				\$0.00	\$0
29	Scaffolding				\$0.00	\$0
30	Pipe Machine				\$0.00	\$0
31	Grooving Machine				\$0.00	\$0
32	Scissor Lift				\$0.00	\$0
33	Boom Lift				\$0.00	\$0
34					\$0.00	\$0
35					\$0.00	\$0
36					\$0.00	\$0
37					\$0.00	\$0
38					\$0.00	\$0
39					\$0.00	\$0
40					\$0.00	\$0
41					\$0.00	\$0
42					\$0.00	\$0
						\$0

# SUBCONTRACTORS

including Sales Tax

Company: **Astra**

JobName: **REDSTAR [redstar]**

	Description	Total Price
1	Temperature Controls	
2	Test & Balance	
3	Insulation	
4	Excavation	
5	Hoisting	
6	Chemical Treatment	
7	Equipment Setting	
8	Demolition	
9	Core Drilling	
10	Medical Gas Certification	
11	Sheet Metal	
12	Firestopping	
13	Outside Utilities	
14	Asbestos Abatement	
15	Fire Protection	
16	Electrical	
17	Painting	
18	General Construction	
19	Concrete Cutting & Patching	
20	Floor Repair	
21	Roof Repair	
22	Structural Steel	
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
40		
	Totals	\$0

# LABOR RATES

Company: **Astra**  
 JobName: **REDSTAR [redstar]**

<b>PLUMBER/PIPEFITTER</b>	<b>Crew</b>	<b>Rate</b>	<b>Total</b>
General Foreman	0	\$48.42	\$0.00
Foreman	0	\$45.49	\$0.00
Journeyman	1	\$33.00	\$33.00
5th Year Apprentice	0	\$34.39	\$0.00
4th Year Apprentice	0	\$31.47	\$0.00
3rd Year Apprentice	0	\$28.55	\$0.00
2nd Year Apprentice	0	\$25.62	\$0.00
1st Year Apprentice	0	\$22.70	\$0.00
Laborer	0	\$17.76	\$0.00
	<b>1</b>	<b>\$33.00</b>	<b>\$33.00</b>

<b>OTHER LABOR</b>	<b>Rate</b>
Supervision	\$38.00
Start-up	\$35.00
Delivery	\$15.00
Engineer	\$50.00
Drafting	\$40.00
Project Manager	\$50.00
Other 1	\$0.00
Other 2	\$0.00
Other 3	\$0.00

## JOB INFORMATION

Company: **Astra**

JobName: **REDSTAR [redstar]**

### Sales Tax (Enter Y in only one)

Is there sales tax on materials?	(Y or N)	<input type="text" value="Y"/>	Tax %	<input type="text" value="9.3"/>
Is there sales tax on labor?	(Y or N)	<input type="text" value="N"/>	Tax %	<input type="text" value="7.5"/>
Is there sales tax on materials & labor?	(Y or N)	<input type="text" value="N"/>	Tax %	<input type="text" value="7.5"/>
Is there sales tax on the whole job?	(Y or N)	<input type="text" value="N"/>	Tax %	<input type="text" value="7.5"/>
Is the job tax exempt?	(Y or N)	<input type="text" value="N"/>		

### Bond

Does the job require a performance bond?	(Y or N)	<input type="text" value="N"/>	Bond %	<input type="text" value="1.0"/>
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PipeSummary

**Company:** Astra  
**JobName:** REDSTAR [redstar]  
**Material Set:** FastEST  
**Labor Set:** Factor #1 (FastEST)  
**Run Date:** 07-15-2010 @ 13:34:47  
**Sort Key:** By Matl Group



Matl Group	Description	Manufacturer	Last Update	Qty	Wt	List Total	Matl Disc	Net Total	Base Hours	Adj Hours	Job Fact	Job Total
apball	Ball Valves	Apollo	4/13/09	261	14.8	\$ 7,800.78	0.36	\$ 2,808.28	141.0	141.0	1.00	141.0
bolts	Bolts	Bolt-Pak	6/15/94	4920	0.0	\$ 1,102.68	0.50	\$ 551.34	0.0	0.0	1.00	0.0
stbrnz	Bronze & Iron Valves	Stockham	5/27/08	6	18.9	\$ 2,468.05	0.36	\$ 888.50	5.3	5.3	1.00	5.3
wldfit	Carbon Steel Butt Weld Fitting	Weldbend	1/5/09	16	58.3	\$ 620.97	0.45	\$ 279.44	61.8	61.8	1.00	61.8
nhftch	Cast Iron Soil No-Hub Fittings	Charlotte	4/1/09	3950	15820.5	\$ 67,597.20	0.23	\$ 15,547.36	2100.0	2100.0	1.00	2100.0
nhpich	Cast Iron Soil No-Hub Pipe	Charlotte	4/1/09	14724	67670.8	\$ 151,718.72	0.23	\$ 34,895.31	2022.7	2022.7	1.00	2022.7
coptub	Copper Tube	Mueller	6/2/09	28060	19214.9	\$ 159,868.74	0.61	\$ 97,519.93	1555.6	1555.6	1.00	1555.6
excava	Excavation	N/A	1/18/97	15510	0.0	\$ 9,461.10	1.00	\$ 9,461.10	0.0	0.0	1.00	0.0
hangex	Hangers (Type X)	B-Line	8/25/08	9421	10921.5	\$ 160,804.20	0.25	\$ 40,201.05	2691.2	2691.2	1.00	2691.2
hangey	Hangers (Type Y)	B-Line	8/25/08	2175	2073.7	\$ 60,425.90	0.25	\$ 15,106.48	369.8	369.8	1.00	369.8
hangez	Hangers (Type Z)	B-Line	8/25/08	7996	0.0	\$ -	0.00	\$ -	0.0	0.0	1.00	0.0
indvlv	Industrial Valves	A Y McDonald	7/30/08	2	0.0	\$ 142.24	0.70	\$ 99.57	1.4	1.4	1.00	1.4
misc	Miscellaneous	Varies	8/25/08	28275	0.0	\$ 12,688.35	1.00	\$ 12,688.35	0.0	0.0	1.00	0.0
nhcpch	No-Hub Clamps	Charlotte	1/1/09	9734	0.0	\$ 165,294.20	0.15	\$ 24,794.13	0.0	0.0	1.00	0.0
plgvlv	Plug Valves	Nordstrum	5/1/08	2	0.0	\$ 532.00	0.20	\$ 106.40	4.0	4.0	1.00	4.0
stlpip	Steel Pipe	Chicago	5/6/09	456	2486.7	\$ 6,425.98	0.50	\$ 3,212.99	56.3	56.3	1.00	56.3
malfit	Threaded Malleable Fittings	Anvil Int	10/13/08	9	12.9	\$ 191.89	0.25	\$ 47.97	6.6	6.6	1.00	6.6
copfit	Wrot Copper Fittings	Elkhart Prod	5/15/09	5780	1279.3	\$ 112,571.47	0.17	\$ 19,137.15	3011.4	3011.4	1.00	3011.4
						<b>\$ 919,714.47</b>		<b>\$ 277,345.33</b>	<b>12027.0</b>	<b>12027.0</b>		<b>12027.0</b>

PipeDetail

**Company:** Astra  
**JobName:** REDSTAR [redstar]  
**Material Set:** FastEST  
**Labor Set:** Factor #1 (FastEST)  
**Run Date:** 07-15-2010 @ 13:34:47  
**Sort Key:** By Matl Group



Matl Group	Qty	Size	Description	Wt.	Unit Price	Matl Disc	Net Price	Net Total	Unit Hours	Adj Hours	Job Fact	Job Total
apball	4	3/4	600 Swt Ball Valve	0.0	\$ 20.94	0.36	\$ 7.54	\$ 30.15	0.43	1.7	1.00	1.7
apball	250	1	600 Swt Ball Valve	0.0	\$ 26.37	0.36	\$ 9.49	\$ 2,373.30	0.53	132.5	1.00	132.5
apball	5	2	600 Swt Ball Valve	9.6	\$ 70.78	0.36	\$ 25.48	\$ 127.40	0.75	3.8	1.00	3.8
apball	2	3	600 Swt Ball Valve	5.2	\$ 385.31	0.36	\$ 138.71	\$ 277.42	1.52	3.0	1.00	3.0
bolts	4308	3/8	Hex Nuts	0.0	\$ 0.21	0.50	\$ 0.11	\$ 452.34	0.00	0.0	1.00	0.0
bolts	300	1/2	Hex Nuts	0.0	\$ 0.28	0.50	\$ 0.14	\$ 42.00	0.00	0.0	1.00	0.0
bolts	268	5/8	Hex Nuts	0.0	\$ 0.34	0.50	\$ 0.17	\$ 45.56	0.00	0.0	1.00	0.0
bolts	44	3/4	Hex Nuts	0.0	\$ 0.52	0.50	\$ 0.26	\$ 11.44	0.00	0.0	1.00	0.0
stbrnz	5	2	125 Brz Swt BrzDsc Check Valve	18.9	\$ 386.61	0.36	\$ 139.18	\$ 695.90	0.77	3.8	1.00	3.8
stbrnz	1	3	125 IBBM Flg Bolt Cap Check Vlv	0.0	\$ 535.00	0.36	\$ 192.60	\$ 192.60	1.45	1.5	1.00	1.5
wldfit	2	2 1/2	Std Wt Steel Weld Tee	11.6	\$ 76.96	0.45	\$ 34.63	\$ 69.26	5.31	10.6	1.00	10.6
wldfit	13	2 1/2	Std Wt Steel Weld LR 90 Ell	41.6	\$ 28.05	0.45	\$ 12.62	\$ 164.09	3.55	46.1	1.00	46.1
wldfit	1	2 1/2 x 1 1/2	Std Wt Steel Weld Red Tee	5.1	\$ 102.40	0.45	\$ 46.08	\$ 46.08	4.99	5.0	1.00	5.0
nhftch	67	3x2	NH CI Soil Short Reducer	80.4	\$ 8.40	0.23	\$ 1.93	\$ 129.44	0.43	28.8	1.00	28.8
nhftch	1	4x2	NH CI Soil Short Reducer	2.2	\$ 13.00	0.23	\$ 2.99	\$ 2.99	0.60	0.6	1.00	0.6
nhftch	1	5x4	NH CI Soil Short Reducer	3.6	\$ 25.00	0.23	\$ 5.75	\$ 5.75	0.76	0.8	1.00	0.8
nhftch	3	8x6	NH CI Soil Short Reducer	22.5	\$ 59.80	0.23	\$ 13.75	\$ 41.26	1.01	3.0	1.00	3.0
nhftch	96	2	NH CI Soil San Tee	326.4	\$ 16.60	0.23	\$ 3.82	\$ 366.53	0.54	51.8	1.00	51.8
nhftch	242	2	NH CI Soil P-Trap	1137.4	\$ 17.60	0.23	\$ 4.05	\$ 979.62	0.39	94.4	1.00	94.4
nhftch	6	3	NH CI Soil P-Trap	58.2	\$ 38.80	0.23	\$ 8.92	\$ 53.54	0.58	3.5	1.00	3.5
nhftch	910	2	NH CI Soil Wye	3276.0	\$ 15.50	0.23	\$ 3.57	\$ 3,244.15	0.52	473.2	1.00	473.2
nhftch	195	3	NH CI Soil Wye	1267.5	\$ 22.10	0.23	\$ 5.08	\$ 991.19	0.78	152.1	1.00	152.1
nhftch	62	4	NH CI Soil Wye	638.6	\$ 36.00	0.23	\$ 8.28	\$ 513.36	1.06	65.7	1.00	65.7
nhftch	1	5	NH CI Soil Wye	14.5	\$ 83.80	0.23	\$ 19.27	\$ 19.27	1.37	1.4	1.00	1.4
nhftch	12	6	NH CI Soil Wye	252.0	\$ 96.10	0.23	\$ 22.10	\$ 265.24	1.65	19.8	1.00	19.8
nhftch	200	2	NH Cast Iron 1/4 Bend	560.0	\$ 12.10	0.23	\$ 2.78	\$ 556.60	0.37	74.0	1.00	74.0
nhftch	197	3	NH Cast Iron 1/4 Bend	965.3	\$ 16.90	0.23	\$ 3.89	\$ 765.74	0.55	108.4	1.00	108.4
nhftch	113	4	NH Cast Iron 1/4 Bend	870.1	\$ 24.00	0.23	\$ 5.52	\$ 623.76	0.73	82.5	1.00	82.5
nhftch	16	5	NH Cast Iron 1/4 Bend	155.2	\$ 55.20	0.23	\$ 12.70	\$ 203.14	0.93	14.9	1.00	14.9
nhftch	24	6	NH Cast Iron 1/4 Bend	312.0	\$ 60.60	0.23	\$ 13.94	\$ 334.51	1.13	27.1	1.00	27.1
nhftch	1012	2	NH CI Soil 1/8 Bend	2125.2	\$ 10.30	0.23	\$ 2.37	\$ 2,397.43	0.36	364.3	1.00	364.3
nhftch	247	3	NH CI Soil 1/8 Bend	815.1	\$ 13.90	0.23	\$ 3.20	\$ 789.66	0.52	128.4	1.00	128.4

## PipeDetail

Matl Group	Qty	Size	Description	Wt.	Unit Price	Matl Disc	Net Price	Net Total	Unit Hours	Adj Hours	Job Fact	Job Total
nhftch	113	4	NH CI Soil 1/8 Bend	497.2	\$ 17.60	0.23	\$ 4.05	\$ 457.42	0.70	79.1	1.00	79.1
nhftch	21	5	NH CI Soil 1/8 Bend	142.8	\$ 37.50	0.23	\$ 8.63	\$ 181.13	0.87	18.3	1.00	18.3
nhftch	20	6	NH CI Soil 1/8 Bend	170.0	\$ 40.70	0.23	\$ 9.36	\$ 187.22	1.05	21.0	1.00	21.0
nhftch	228	2x1½	NH CI Soil San Tee	706.8	\$ 16.60	0.23	\$ 3.82	\$ 870.50	0.49	111.7	1.00	111.7
nhftch	16	3x2	NH CI Soil Wye	68.8	\$ 16.60	0.23	\$ 3.82	\$ 61.09	0.69	11.0	1.00	11.0
nhftch	46	4x2	NH CI Soil Wye	266.8	\$ 23.10	0.23	\$ 5.31	\$ 244.40	0.98	45.1	1.00	45.1
nhftch	47	4x3	NH CI Soil Wye	423.0	\$ 31.40	0.23	\$ 7.22	\$ 339.43	0.98	46.1	1.00	46.1
nhftch	10	5x2	NH CI Soil Wye	72.0	\$ 52.00	0.23	\$ 11.96	\$ 119.60	1.27	12.7	1.00	12.7
nhftch	15	5x3	NH CI Soil Wye	157.5	\$ 73.00	0.23	\$ 16.79	\$ 251.85	1.27	19.0	1.00	19.0
nhftch	15	5x4	NH CI Soil Wye	189.0	\$ 75.20	0.23	\$ 17.30	\$ 259.44	1.27	19.0	1.00	19.0
nhftch	2	6x3	NH CI Soil Wye	22.0	\$ 73.00	0.23	\$ 16.79	\$ 33.58	1.54	3.1	1.00	3.1
nhftch	9	6x4	NH CI Soil Wye	144.0	\$ 75.20	0.23	\$ 17.30	\$ 155.66	1.54	13.9	1.00	13.9
nhftch	1	8x4	NH CI Soil Wye	21.8	\$ 129.20	0.23	\$ 29.72	\$ 29.72	1.77	1.8	1.00	1.8
nhftch	2	8x6	NH CI Soil Wye	56.6	\$ 159.00	0.23	\$ 36.57	\$ 73.14	1.77	3.5	1.00	3.5
nhpich	22	1½	No-Hub Cast Iron Soil Pipe	55.0	\$ 8.03	0.23	\$ 1.85	\$ 40.63	0.11	2.4	1.00	2.4
nhpich	10921	2	No-Hub Cast Iron Soil Pipe	39315.6	\$ 8.24	0.23	\$ 1.90	\$ 20,697.48	0.12	1310.5	1.00	1310.5
nhpich	1699	3	No-Hub Cast Iron Soil Pipe	8834.8	\$ 11.37	0.23	\$ 2.62	\$ 4,443.05	0.14	237.9	1.00	237.9
nhpich	1075	4	No-Hub Cast Iron Soil Pipe	7955.0	\$ 14.77	0.23	\$ 3.40	\$ 3,651.88	0.19	204.2	1.00	204.2
nhpich	66	5	No-Hub Cast Iron Soil Pipe	620.4	\$ 20.85	0.23	\$ 4.80	\$ 316.50	0.22	14.5	1.00	14.5
nhpich	864	6	No-Hub Cast Iron Soil Pipe	9504.0	\$ 25.39	0.23	\$ 5.84	\$ 5,045.50	0.26	224.6	1.00	224.6
nhpich	77	8	No-Hub Cast Iron Soil Pipe	1386.0	\$ 39.54	0.23	\$ 9.09	\$ 700.25	0.37	28.5	1.00	28.5
coptub	3898	½	Type L Hard Copper Tube	1110.9	\$ 2.15	0.61	\$ 1.31	\$ 5,112.23	0.05	194.9	1.00	194.9
coptub	17113	¾	Type L Hard Copper Tube	7786.4	\$ 3.39	0.61	\$ 2.07	\$ 35,387.97	0.05	855.7	1.00	855.7
coptub	2980	1	Type L Hard Copper Tube	1951.9	\$ 5.34	0.61	\$ 3.26	\$ 9,707.05	0.06	178.8	1.00	178.8
coptub	754	1¼	Type L Hard Copper Tube	666.5	\$ 7.50	0.61	\$ 4.58	\$ 3,449.55	0.06	45.2	1.00	45.2
coptub	1125	1½	Type L Hard Copper Tube	1282.5	\$ 9.67	0.61	\$ 5.90	\$ 6,636.04	0.06	67.5	1.00	67.5
coptub	1213	2	Type L Hard Copper Tube	2122.8	\$ 15.09	0.61	\$ 9.20	\$ 11,165.54	0.07	84.9	1.00	84.9
coptub	174	2½	Type L Hard Copper Tube	431.5	\$ 22.43	0.61	\$ 13.68	\$ 2,380.72	0.10	17.4	1.00	17.4
coptub	331	3	Type L Hard Copper Tube	1102.2	\$ 30.10	0.61	\$ 18.36	\$ 6,077.49	0.11	36.4	1.00	36.4
coptub	373	4	Type L Hard Copper Tube	2006.7	\$ 49.74	0.61	\$ 30.34	\$ 11,317.34	0.15	56.0	1.00	56.0
coptub	99	5	Type L Hard Copper Tube	753.4	\$ 104.09	0.61	\$ 63.49	\$ 6,286.00	0.19	18.8	1.00	18.8
excava	6204	NOSIZE	cu ft Excavated Dirt Backfill	0.0	\$ 0.50	1.00	\$ 0.50	\$ 3,102.00	0.00	0.0	1.00	0.0
excava	1034	NOSIZE	sq ft Sand Bedding 6 in Deep	0.0	\$ 0.15	1.00	\$ 0.15	\$ 155.10	0.00	0.0	1.00	0.0
excava	8272	NOSIZE	cu ft Excavation	0.0	\$ 0.75	1.00	\$ 0.75	\$ 6,204.00	0.00	0.0	1.00	0.0
hangex	7	1½	Plain Standard Clevis Hanger	2.9	\$ 5.70	0.25	\$ 1.43	\$ 9.98	0.66	4.6	1.00	4.6
hangex	57	2	Plain Standard Clevis Hanger	29.6	\$ 6.80	0.25	\$ 1.70	\$ 96.90	0.66	37.6	1.00	37.6
hangex	269	2½	Plain Standard Clevis Hanger	322.8	\$ 11.10	0.25	\$ 2.78	\$ 746.48	0.70	188.3	1.00	188.3
hangex	1745	3	Plain Standard Clevis Hanger	2320.9	\$ 13.90	0.25	\$ 3.48	\$ 6,063.88	0.70	1221.5	1.00	1221.5
hangex	82	3½	Plain Standard Clevis Hanger	116.4	\$ 13.40	0.25	\$ 3.35	\$ 274.70	0.70	57.4	1.00	57.4

## PipeDetail

Matl Group	Qty	Size	Description	Wt.	Unit Price	Matl Disc	Net Price	Net Total	Unit Hours	Adj Hours	Job Fact	Job Total
hangex	186	4	Plain Standard Clevis Hanger	321.8	\$ 16.80	0.25	\$ 4.20	\$ 781.20	0.74	137.6	1.00	137.6
hangex	49	5	Plain Standard Clevis Hanger	120.1	\$ 23.20	0.25	\$ 5.80	\$ 284.20	0.74	36.3	1.00	36.3
hangex	56	6	Plain Standard Clevis Hanger	179.2	\$ 28.80	0.25	\$ 7.20	\$ 403.20	0.78	43.7	1.00	43.7
hangex	9	8	Plain Standard Clevis Hanger	43.6	\$ 47.50	0.25	\$ 11.88	\$ 106.88	0.83	7.5	1.00	7.5
hangex	2154	3/8	Plain Wide Jaw Top C-Clamp	1163.2	\$ 11.60	0.25	\$ 2.90	\$ 6,246.60	0.00	0.0	1.00	0.0
hangex	150	1/2	Plain Wide Jaw Top C-Clamp	76.5	\$ 15.80	0.25	\$ 3.95	\$ 592.50	0.00	0.0	1.00	0.0
hangex	134	5/8	Plain Wide Jaw Top C-Clamp	93.8	\$ 28.80	0.25	\$ 7.20	\$ 964.80	0.00	0.0	1.00	0.0
hangex	22	3/4	Plain Wide Jaw Top C-Clamp	21.6	\$ 37.20	0.25	\$ 9.30	\$ 204.60	0.00	0.0	1.00	0.0
hangex	1	1 1/2	Plain Std Riser Clamp	2.0	\$ 19.20	0.25	\$ 4.80	\$ 4.80	0.21	0.2	1.00	0.2
hangex	1692	2	Plain Std Riser Clamp	3400.9	\$ 19.90	0.25	\$ 4.98	\$ 8,417.70	0.21	355.3	1.00	355.3
hangex	2	2 1/2	Plain Std Riser Clamp	4.2	\$ 21.20	0.25	\$ 5.30	\$ 10.60	0.23	0.5	1.00	0.5
hangex	160	3	Plain Std Riser Clamp	377.6	\$ 23.40	0.25	\$ 5.85	\$ 936.00	0.23	36.8	1.00	36.8
hangex	50	4	Plain Std Riser Clamp	157.0	\$ 31.60	0.25	\$ 7.90	\$ 395.00	0.25	12.5	1.00	12.5
hangex	1	5	Plain Std Riser Clamp	4.8	\$ 39.90	0.25	\$ 9.98	\$ 9.98	0.25	0.3	1.00	0.3
hangex	30	6	Plain Std Riser Clamp	157.8	\$ 51.70	0.25	\$ 12.93	\$ 387.75	0.25	7.5	1.00	7.5
hangex	476	1/2	Copper Riser Clamp	333.2	\$ 20.20	0.25	\$ 5.05	\$ 2,403.80	0.22	104.7	1.00	104.7
hangex	1678	3/4	Copper Riser Clamp	1208.2	\$ 20.20	0.25	\$ 5.05	\$ 8,473.90	0.21	352.4	1.00	352.4
hangex	124	1	Copper Riser Clamp	110.4	\$ 20.20	0.25	\$ 5.05	\$ 626.20	0.21	26.0	1.00	26.0
hangex	104	1 1/4	Copper Riser Clamp	94.6	\$ 20.90	0.25	\$ 5.23	\$ 543.40	0.21	21.8	1.00	21.8
hangex	125	1 1/2	Copper Riser Clamp	167.5	\$ 25.40	0.25	\$ 6.35	\$ 793.75	0.21	26.2	1.00	26.2
hangex	46	2	Copper Riser Clamp	71.3	\$ 26.90	0.25	\$ 6.73	\$ 309.35	0.21	9.7	1.00	9.7
hangex	11	3	Copper Riser Clamp	17.6	\$ 36.60	0.25	\$ 9.15	\$ 100.65	0.23	2.5	1.00	2.5
hangex	1	4	Copper Riser Clamp	2.1	\$ 49.10	0.25	\$ 12.28	\$ 12.28	0.25	0.3	1.00	0.3
hangey	238	2 1/2 x 12	Galv Insulation Prot Shield	178.5	\$ 25.50	0.25	\$ 6.38	\$ 1,517.25	0.17	40.5	1.00	40.5
hangey	1668	3 x 12	Galv Insulation Prot Shield	1534.6	\$ 27.50	0.25	\$ 6.88	\$ 11,467.50	0.17	283.6	1.00	283.6
hangey	82	3 1/2 x 12	Galv Insulation Prot Shield	85.3	\$ 29.50	0.25	\$ 7.38	\$ 604.75	0.17	13.9	1.00	13.9
hangey	102	4 x 12	Galv Insulation Prot Shield	120.4	\$ 30.40	0.25	\$ 7.60	\$ 775.20	0.17	17.3	1.00	17.3
hangey	22	4 1/2 x 12	Galv Insulation Prot Shield	28.4	\$ 31.40	0.25	\$ 7.85	\$ 172.70	0.17	3.7	1.00	3.7
hangey	20	5 x 12	Galv Insulation Prot Shield	29.4	\$ 31.40	0.25	\$ 7.85	\$ 157.00	0.17	3.4	1.00	3.4
hangey	34	6 x 12	Galv Insulation Prot Shield	74.5	\$ 37.60	0.25	\$ 9.40	\$ 319.60	0.17	5.8	1.00	5.8
hangey	9	7 x 12	Galv Insulation Prot Shield	22.8	\$ 41.10	0.25	\$ 10.28	\$ 92.48	0.17	1.5	1.00	1.5
hangez	238	1/2	Suspended Hanger	0.0	\$ -	0.00	\$ -	\$ -	0.00	0.0	1.00	0.0
hangez	1145	3/4	Suspended Hanger	0.0	\$ -	0.00	\$ -	\$ -	0.00	0.0	1.00	0.0
hangez	523	1	Suspended Hanger	0.0	\$ -	0.00	\$ -	\$ -	0.00	0.0	1.00	0.0
hangez	21	1 1/4	Suspended Hanger	0.0	\$ -	0.00	\$ -	\$ -	0.00	0.0	1.00	0.0
hangez	68	1 1/2	Suspended Hanger	0.0	\$ -	0.00	\$ -	\$ -	0.00	0.0	1.00	0.0
hangez	159	2	Suspended Hanger	0.0	\$ -	0.00	\$ -	\$ -	0.00	0.0	1.00	0.0
hangez	53	2 1/2	Suspended Hanger	0.0	\$ -	0.00	\$ -	\$ -	0.00	0.0	1.00	0.0
hangez	97	3	Suspended Hanger	0.0	\$ -	0.00	\$ -	\$ -	0.00	0.0	1.00	0.0

## PipeDetail

Matl Group	Qty	Size	Description	Wt.	Unit Price	Matl Disc	Net Price	Net Total	Unit Hours	Adj Hours	Job Fact	Job Total
hangez	118	4	Suspended Hanger	0.0	\$ -	0.00	\$ -	\$ -	0.00	0.0	1.00	0.0
hangez	16	5	Suspended Hanger	0.0	\$ -	0.00	\$ -	\$ -	0.00	0.0	1.00	0.0
hangez	22	6	Suspended Hanger	0.0	\$ -	0.00	\$ -	\$ -	0.00	0.0	1.00	0.0
hangez	476	1/2	Riser Clamp Hanger	0.0	\$ -	0.00	\$ -	\$ -	0.00	0.0	1.00	0.0
hangez	1678	3/4	Riser Clamp Hanger	0.0	\$ -	0.00	\$ -	\$ -	0.00	0.0	1.00	0.0
hangez	124	1	Riser Clamp Hanger	0.0	\$ -	0.00	\$ -	\$ -	0.00	0.0	1.00	0.0
hangez	104	1 1/4	Riser Clamp Hanger	0.0	\$ -	0.00	\$ -	\$ -	0.00	0.0	1.00	0.0
hangez	126	1 1/2	Riser Clamp Hanger	0.0	\$ -	0.00	\$ -	\$ -	0.00	0.0	1.00	0.0
hangez	1738	2	Riser Clamp Hanger	0.0	\$ -	0.00	\$ -	\$ -	0.00	0.0	1.00	0.0
hangez	2	2 1/2	Riser Clamp Hanger	0.0	\$ -	0.00	\$ -	\$ -	0.00	0.0	1.00	0.0
hangez	171	3	Riser Clamp Hanger	0.0	\$ -	0.00	\$ -	\$ -	0.00	0.0	1.00	0.0
hangez	51	4	Riser Clamp Hanger	0.0	\$ -	0.00	\$ -	\$ -	0.00	0.0	1.00	0.0
hangez	2	5	Riser Clamp Hanger	0.0	\$ -	0.00	\$ -	\$ -	0.00	0.0	1.00	0.0
hangez	30	6	Riser Clamp Hanger	0.0	\$ -	0.00	\$ -	\$ -	0.00	0.0	1.00	0.0
hangez	248	3	Excavation	0.0	\$ -	0.00	\$ -	\$ -	0.00	0.0	1.00	0.0
hangez	261	4	Excavation	0.0	\$ -	0.00	\$ -	\$ -	0.00	0.0	1.00	0.0
hangez	448	6	Excavation	0.0	\$ -	0.00	\$ -	\$ -	0.00	0.0	1.00	0.0
hangez	77	8	Excavation	0.0	\$ -	0.00	\$ -	\$ -	0.00	0.0	1.00	0.0
indvlv	2	1 1/2	2# Flat/Tee Head Brass Gas Cock	0.0	\$ 71.12	0.70	\$ 49.78	\$ 99.57	0.69	1.4	1.00	1.4
misc	4308	3/8	Plain Washer	0.0	\$ 0.04	1.00	\$ 0.04	\$ 172.32	0.00	0.0	1.00	0.0
misc	300	1/2	Plain Washer	0.0	\$ 0.04	1.00	\$ 0.04	\$ 12.00	0.00	0.0	1.00	0.0
misc	268	5/8	Plain Washer	0.0	\$ 0.06	1.00	\$ 0.06	\$ 16.08	0.00	0.0	1.00	0.0
misc	44	3/4	Plain Washer	0.0	\$ 0.06	1.00	\$ 0.06	\$ 2.64	0.00	0.0	1.00	0.0
misc	8616	3/8	Plain Threaded Rod	0.0	\$ 0.73	1.00	\$ 0.73	\$ 6,289.68	0.00	0.0	1.00	0.0
misc	600	1/2	Plain Threaded Rod	0.0	\$ 1.47	1.00	\$ 1.47	\$ 882.00	0.00	0.0	1.00	0.0
misc	536	5/8	Plain Threaded Rod	0.0	\$ 1.98	1.00	\$ 1.98	\$ 1,061.28	0.00	0.0	1.00	0.0
misc	88	3/4	Plain Threaded Rod	0.0	\$ 3.34	1.00	\$ 3.34	\$ 293.92	0.00	0.0	1.00	0.0
misc	1352	1/2	95/5 Solder Joints	0.0	\$ 0.20	1.00	\$ 0.20	\$ 270.40	0.00	0.0	1.00	0.0
misc	9147	3/4	95/5 Solder Joints	0.0	\$ 0.24	1.00	\$ 0.24	\$ 2,195.28	0.00	0.0	1.00	0.0
misc	1792	1	95/5 Solder Joints	0.0	\$ 0.36	1.00	\$ 0.36	\$ 645.12	0.00	0.0	1.00	0.0
misc	163	1 1/4	95/5 Solder Joints	0.0	\$ 0.44	1.00	\$ 0.44	\$ 71.72	0.00	0.0	1.00	0.0
misc	335	1 1/2	95/5 Solder Joints	0.0	\$ 0.48	1.00	\$ 0.48	\$ 160.80	0.00	0.0	1.00	0.0
misc	363	2	95/5 Solder Joints	0.0	\$ 0.60	1.00	\$ 0.60	\$ 217.80	0.00	0.0	1.00	0.0
misc	46	2 1/2	95/5 Solder Joints	0.0	\$ 0.80	1.00	\$ 0.80	\$ 36.80	0.00	0.0	1.00	0.0
misc	100	3	95/5 Solder Joints	0.0	\$ 0.98	1.00	\$ 0.98	\$ 98.00	0.00	0.0	1.00	0.0
misc	114	4	95/5 Solder Joints	0.0	\$ 1.36	1.00	\$ 1.36	\$ 155.04	0.00	0.0	1.00	0.0
misc	25	5	95/5 Solder Joints	0.0	\$ 1.78	1.00	\$ 1.78	\$ 44.50	0.00	0.0	1.00	0.0
misc	23	1 1/2	Female Iron Pipe Thread Joints	0.0	\$ 0.19	1.00	\$ 0.19	\$ 4.37	0.00	0.0	1.00	0.0
misc	4	2 1/2	150# Flange Joints	0.0	\$ -	1.00	\$ -	\$ -	0.00	0.0	1.00	0.0

## PipeDetail

Matl Group	Qty	Size	Description	Wt.	Unit Price	Matl Disc	Net Price	Net Total	Unit Hours	Adj Hours	Job Fact	Job Total
misc	2	3	125# Flange Joints	0.0	\$ -	1.00	\$ -	\$ -	0.00	0.0	1.00	0.0
misc	1	1½	Sch 40 Butt Weld Joints	0.0	\$ 1.00	1.00	\$ 1.00	\$ 1.00	0.00	0.0	1.00	0.0
misc	48	2½	Sch 40 Butt Weld Joints	0.0	\$ 1.20	1.00	\$ 1.20	\$ 57.60	0.00	0.0	1.00	0.0
nhcpch	228	1½	No-hub Couplings	0.0	\$ 14.45	0.15	\$ 2.17	\$ 494.19	0.00	0.0	1.00	0.0
nhcpch	6525	2	No-hub Couplings	0.0	\$ 14.45	0.15	\$ 2.17	\$ 14,142.94	0.00	0.0	1.00	0.0
nhcpch	1695	3	No-hub Couplings	0.0	\$ 17.25	0.15	\$ 2.59	\$ 4,385.81	0.00	0.0	1.00	0.0
nhcpch	906	4	No-hub Couplings	0.0	\$ 20.40	0.15	\$ 3.06	\$ 2,772.36	0.00	0.0	1.00	0.0
nhcpch	163	5	No-hub Couplings	0.0	\$ 49.60	0.15	\$ 7.44	\$ 1,212.72	0.00	0.0	1.00	0.0
nhcpch	202	6	No-hub Couplings	0.0	\$ 51.70	0.15	\$ 7.76	\$ 1,566.51	0.00	0.0	1.00	0.0
nhcpch	15	8	No-hub Couplings	0.0	\$ 97.60	0.15	\$ 14.64	\$ 219.60	0.00	0.0	1.00	0.0
plglv	2	2½	150# Flanged Plug Valve	0.0	\$ 266.00	0.20	\$ 53.20	\$ 106.40	2.02	4.0	1.00	4.0
stlpip	50	1½	Sch 40 Blk Steel Pipe A53 T&C	136.0	\$ 10.13	0.50	\$ 5.07	\$ 253.25	0.07	3.5	1.00	3.5
stlpip	406	2½	Sch 40 ERW Blk Stl Pipe A53B PE	2350.7	\$ 14.58	0.50	\$ 7.29	\$ 2,959.74	0.13	52.8	1.00	52.8
malfit	6	1½	150# Blk Mall 90 Ell	7.9	\$ 15.15	0.25	\$ 3.79	\$ 22.73	0.71	4.3	1.00	4.3
malfit	1	1½	150# Blk Mall Tee	1.8	\$ 22.05	0.25	\$ 5.51	\$ 5.51	1.05	1.0	1.00	1.0
malfit	2	1½	150# Blk Mall Union	3.3	\$ 39.47	0.25	\$ 9.87	\$ 19.74	0.65	1.3	1.00	1.3
copfit	495	½	Wrot Copper 90 Ell	19.8	\$ 2.04	0.17	\$ 0.35	\$ 171.67	0.32	158.4	1.00	158.4
copfit	3422	¾	Wrot Copper 90 Ell	342.2	\$ 4.59	0.17	\$ 0.78	\$ 2,670.19	0.43	1471.5	1.00	1471.5
copfit	307	1	Wrot Copper 90 Ell	55.3	\$ 11.26	0.17	\$ 1.91	\$ 587.66	0.50	153.5	1.00	153.5
copfit	2	1¼	Wrot Copper 90 Ell	0.6	\$ 17.01	0.17	\$ 2.89	\$ 5.78	0.57	1.1	1.00	1.1
copfit	42	1½	Wrot Copper 90 Ell	16.8	\$ 26.53	0.17	\$ 4.51	\$ 189.42	0.60	25.2	1.00	25.2
copfit	68	2	Wrot Copper 90 Ell	51.0	\$ 48.37	0.17	\$ 8.22	\$ 559.16	0.70	47.6	1.00	47.6
copfit	1	2½	Wrot Copper 90 Ell	1.2	\$ 96.78	0.17	\$ 16.45	\$ 16.45	1.12	1.1	1.00	1.1
copfit	18	3	Wrot Copper 90 Ell	33.8	\$ 129.35	0.17	\$ 21.99	\$ 395.81	1.34	24.1	1.00	24.1
copfit	17	4	Wrot Copper 90 Ell	71.7	\$ 331.13	0.17	\$ 56.29	\$ 956.97	1.79	30.4	1.00	30.4
copfit	1	5	Wrot Copper 90 Ell	8.6	\$ 1,386.91	0.17	\$ 235.77	\$ 235.77	3.34	3.3	1.00	3.3
copfit	1	1½	Wrot Copper 45 Ell	0.3	\$ 26.87	0.17	\$ 4.57	\$ 4.57	0.60	0.6	1.00	0.6
copfit	1	½	Wrot Copper Tee	0.1	\$ 3.50	0.17	\$ 0.60	\$ 0.60	0.46	0.5	1.00	0.5
copfit	327	¾	Wrot Copper Tee	52.3	\$ 8.42	0.17	\$ 1.43	\$ 468.07	0.61	199.5	1.00	199.5
copfit	4	1	Wrot Copper Tee	1.2	\$ 26.03	0.17	\$ 4.43	\$ 17.70	0.74	3.0	1.00	3.0
copfit	23	2	Wrot Copper Tee	29.7	\$ 85.50	0.17	\$ 14.54	\$ 334.31	1.02	23.5	1.00	23.5
copfit	3	3	Wrot Copper Tee	8.3	\$ 263.29	0.17	\$ 44.76	\$ 134.28	1.98	5.9	1.00	5.9
copfit	3	4	Wrot Copper Tee	19.9	\$ 637.22	0.17	\$ 108.33	\$ 324.98	2.68	8.0	1.00	8.0
copfit	12	¾×¾×1	Wrot Copper Reducing Tee	2.4	\$ 28.30	0.17	\$ 4.81	\$ 57.73	0.68	8.2	1.00	8.2
copfit	1	1½×1½×2	Wrot Copper Reducing Tee	1.3	\$ 159.33	0.17	\$ 27.09	\$ 27.09	0.95	0.9	1.00	0.9
copfit	10	¾	Wrot Copper Coupling	0.6	\$ 3.11	0.17	\$ 0.53	\$ 5.29	0.43	4.3	1.00	4.3
copfit	3	1¼	Wrot Copper Coupling	0.5	\$ 11.01	0.17	\$ 1.87	\$ 5.62	0.57	1.7	1.00	1.7
copfit	5	1½	Wrot Copper Coupling	1.1	\$ 14.55	0.17	\$ 2.47	\$ 12.37	0.60	3.0	1.00	3.0
copfit	17	2	Wrot Copper Coupling	6.8	\$ 24.32	0.17	\$ 4.13	\$ 70.28	0.68	11.6	1.00	11.6

## PipeDetail

Matl Group	Qty	Size	Description	Wt.	Unit Price	Matl Disc	Net Price	Net Total	Unit Hours	Adj Hours	Job Fact	Job Total
copfit	6	2½	Wrot Copper Coupling	3.7	\$ 51.62	0.17	\$ 8.78	\$ 52.65	1.12	6.7	1.00	6.7
copfit	4	3	Wrot Copper Coupling	3.9	\$ 77.62	0.17	\$ 13.20	\$ 52.78	1.32	5.3	1.00	5.3
copfit	8	4	Wrot Copper Coupling	16.3	\$ 163.23	0.17	\$ 27.75	\$ 221.99	1.77	14.2	1.00	14.2
copfit	4	5	Wrot Copper Coupling	13.2	\$ 401.86	0.17	\$ 68.32	\$ 273.26	3.34	13.4	1.00	13.4
copfit	1	1½x1	Wrot Copper Concentric Reducer	0.2	\$ 23.76	0.17	\$ 4.04	\$ 4.04	0.55	0.6	1.00	0.6
copfit	1	2x1¼	Wrot Copper Concentric Reducer	0.4	\$ 36.74	0.17	\$ 6.25	\$ 6.25	0.61	0.6	1.00	0.6
copfit	1	2x1½	Wrot Copper Concentric Reducer	0.4	\$ 36.74	0.17	\$ 6.25	\$ 6.25	0.61	0.6	1.00	0.6
copfit	1	5x4	Wrot Copper Concentric Reducer	3.3	\$ 914.53	0.17	\$ 155.47	\$ 155.47	3.34	3.3	1.00	3.3
copfit	341	¾x½	Wrot Copper Reducing Tee	47.7	\$ 8.10	0.17	\$ 1.38	\$ 469.56	0.55	187.6	1.00	187.6
copfit	8	1x½	Wrot Copper Reducing Tee	1.5	\$ 26.12	0.17	\$ 4.44	\$ 35.52	0.69	5.5	1.00	5.5
copfit	32	1x¾	Wrot Copper Reducing Tee	7.1	\$ 26.12	0.17	\$ 4.44	\$ 142.09	0.69	22.1	1.00	22.1
copfit	7	1¼x¾	Wrot Copper Reducing Tee	2.1	\$ 38.43	0.17	\$ 6.53	\$ 45.73	0.77	5.4	1.00	5.4
copfit	31	1¼x1	Wrot Copper Reducing Tee	12.1	\$ 38.43	0.17	\$ 6.53	\$ 202.53	0.77	23.9	1.00	23.9
copfit	7	1½x¾	Wrot Copper Reducing Tee	4.0	\$ 40.80	0.17	\$ 6.94	\$ 48.55	0.82	5.7	1.00	5.7
copfit	42	1½x1	Wrot Copper Reducing Tee	25.6	\$ 40.80	0.17	\$ 6.94	\$ 291.31	0.82	34.4	1.00	34.4
copfit	2	2x½	Wrot Copper Reducing Tee	1.7	\$ 64.58	0.17	\$ 10.98	\$ 21.96	0.95	1.9	1.00	1.9
copfit	7	2x¾	Wrot Copper Reducing Tee	6.4	\$ 64.58	0.17	\$ 10.98	\$ 76.85	0.95	6.6	1.00	6.6
copfit	4	2x1½	Wrot Copper Reducing Tee	4.3	\$ 66.58	0.17	\$ 11.32	\$ 45.27	0.95	3.8	1.00	3.8
copfit	4	2½x1½	Wrot Copper Reducing Tee	5.6	\$ 201.09	0.17	\$ 34.19	\$ 136.74	1.54	6.2	1.00	6.2
copfit	5	2½x2	Wrot Copper Reducing Tee	8.3	\$ 201.09	0.17	\$ 34.19	\$ 170.93	1.54	7.7	1.00	7.7
copfit	13	3x1½	Wrot Copper Reducing Tee	26.6	\$ 221.51	0.17	\$ 37.66	\$ 489.54	1.88	24.4	1.00	24.4
copfit	4	3x2	Wrot Copper Reducing Tee	9.1	\$ 221.51	0.17	\$ 37.66	\$ 150.63	1.88	7.5	1.00	7.5
copfit	9	4x1½	Wrot Copper Reducing Tee	44.1	\$ 406.66	0.17	\$ 69.13	\$ 622.19	2.68	24.1	1.00	24.1
copfit	12	4x2	Wrot Copper Reducing Tee	58.9	\$ 430.12	0.17	\$ 73.12	\$ 877.44	2.68	32.2	1.00	32.2
copfit	1	4x2½	Wrot Copper Reducing Tee	5.3	\$ 490.13	0.17	\$ 83.32	\$ 83.32	2.68	2.7	1.00	2.7
copfit	2	5x1	Wrot Copper Reducing Tee	8.4	\$1,991.11	0.17	\$ 338.49	\$ 676.98	5.01	10.0	1.00	10.0
copfit	3	5x2	Wrot Copper Reducing Tee	15.2	\$1,981.66	0.17	\$ 336.88	\$ 1,010.65	5.01	15.0	1.00	15.0
copfit	1	5x2½	Wrot Copper Reducing Tee	5.6	\$2,083.84	0.17	\$ 354.25	\$ 354.25	5.01	5.0	1.00	5.0
copfit	1	5x3	Wrot Copper Reducing Tee	6.3	\$1,981.66	0.17	\$ 336.88	\$ 336.88	5.01	5.0	1.00	5.0
copfit	8	¾x½x¾	Wrot Copper Reducing Tee	1.2	\$ 9.93	0.17	\$ 1.69	\$ 13.50	0.55	4.4	1.00	4.4
copfit	232	1x¾x¾	Wrot Copper Reducing Tee	51.0	\$ 31.05	0.17	\$ 5.28	\$ 1,224.61	0.69	160.1	1.00	160.1
copfit	43	1x¾x1	Wrot Copper Reducing Tee	12.5	\$ 31.05	0.17	\$ 5.28	\$ 226.98	0.69	29.7	1.00	29.7
copfit	1	1¼x¾x¾	Wrot Copper Reducing Tee	0.3	\$ 49.34	0.17	\$ 8.39	\$ 8.39	0.77	0.8	1.00	0.8
copfit	1	1¼x¾x1¼	Wrot Copper Reducing Tee	0.4	\$ 49.34	0.17	\$ 8.39	\$ 8.39	0.77	0.8	1.00	0.8
copfit	5	1¼x1x¾	Wrot Copper Reducing Tee	1.5	\$ 49.34	0.17	\$ 8.39	\$ 41.94	0.77	3.8	1.00	3.8
copfit	31	1¼x1x1	Wrot Copper Reducing Tee	11.9	\$ 49.34	0.17	\$ 8.39	\$ 260.02	0.77	23.9	1.00	23.9
copfit	1	1½x¾x1¼	Wrot Copper Reducing Tee	0.6	\$ 89.78	0.17	\$ 15.26	\$ 15.26	0.82	0.8	1.00	0.8
copfit	31	1½x1x1	Wrot Copper Reducing Tee	18.9	\$ 81.85	0.17	\$ 13.91	\$ 431.35	0.82	25.4	1.00	25.4
copfit	2	1½x1¼x¾	Wrot Copper Reducing Tee	1.1	\$ 83.52	0.17	\$ 14.20	\$ 28.40	0.82	1.6	1.00	1.6

## PipeDetail

Matl Group	Qty	Size	Description	Wt.	Unit Price	Matl Disc	Net Price	Net Total	Unit Hours	Adj Hours	Job Fact	Job Total
copfit	31	1½×1¼×1	Wrot Copper Reducing Tee	18.6	\$ 81.85	0.17	\$ 13.91	\$ 431.35	0.82	25.4	1.00	25.4
copfit	1	2×1¼×2	Wrot Copper Reducing Tee	1.3	\$ 115.60	0.17	\$ 19.65	\$ 19.65	0.95	0.9	1.00	0.9
copfit	1	2×1½×¾	Wrot Copper Reducing Tee	0.9	\$ 111.17	0.17	\$ 18.90	\$ 18.90	0.95	0.9	1.00	0.9
copfit	20	2×1½×1	Wrot Copper Reducing Tee	19.0	\$ 111.17	0.17	\$ 18.90	\$ 377.98	0.95	19.0	1.00	19.0
copfit	2	2×1½×1¼	Wrot Copper Reducing Tee	2.1	\$ 120.57	0.17	\$ 20.50	\$ 40.99	0.95	1.9	1.00	1.9
copfit	4	2×1½×1½	Wrot Copper Reducing Tee	4.3	\$ 108.83	0.17	\$ 18.50	\$ 74.00	0.95	3.8	1.00	3.8
copfit	2	2×1½×2	Wrot Copper Reducing Tee	2.6	\$ 111.17	0.17	\$ 18.90	\$ 37.80	0.95	1.9	1.00	1.9
copfit	4	2½×2×1½	Wrot Copper Reducing Tee	5.6	\$ 260.76	0.17	\$ 44.33	\$ 177.32	1.54	6.2	1.00	6.2
copfit	4	2½×2×2	Wrot Copper Reducing Tee	6.5	\$ 251.79	0.17	\$ 42.80	\$ 171.22	1.54	6.2	1.00	6.2
copfit	1	3×1½×3	Wrot Copper Reducing Tee	2.6	\$ 370.25	0.17	\$ 62.94	\$ 62.94	1.88	1.9	1.00	1.9
copfit	1	3×2×2½	Wrot Copper Reducing Tee	2.4	\$ 403.46	0.17	\$ 68.59	\$ 68.59	1.88	1.9	1.00	1.9
copfit	2	3×2½×1½	Wrot Copper Reducing Tee	4.0	\$ 454.05	0.17	\$ 77.19	\$ 154.38	1.88	3.8	1.00	3.8
copfit	1	3×2½×2	Wrot Copper Reducing Tee	2.2	\$ 370.25	0.17	\$ 62.94	\$ 62.94	1.88	1.9	1.00	1.9
copfit	2	4×1½×4	Wrot Copper Reducing Tee	12.6	\$ 849.89	0.17	\$ 144.48	\$ 288.96	2.68	5.4	1.00	5.4
copfit	2	4×2×4	Wrot Copper Reducing Tee	12.9	\$ 849.89	0.17	\$ 144.48	\$ 288.96	2.68	5.4	1.00	5.4
copfit	2	4×3×2	Wrot Copper Reducing Tee	9.4	\$ 849.89	0.17	\$ 144.48	\$ 288.96	2.68	5.4	1.00	5.4
								<b>\$ 277,345.33</b>		<b>12027.0</b>		<b>12027.0</b>