

MATERIAL TAKEOFF AND COST ESTIMATE STATEMENT

PROJECT NAME: INDUSTRIAL PIPING SAMPLE

LOCATION:



Sr #	REFERENCE	DESCRIPTION	QUANTITY	WASTE	TOTAL QTY	UNIT	COST/UNIT	MATERIAL TOTAL	UNIT HOURS	TOTAL MANHOURS	UNIT LABOR	TOTAL LABOR	TOTAL COST	REMARKS	TRADE COST
01. GENERAL CONDITIONS															
INDIRECT PROJECT COSTS															
1		General Liability Insurance	1.5	0%	1.5	Mo	\$ - \$ -	0.000	0.00	\$ - \$ -	\$ - \$ -	\$ - \$ -			
2		General Conditions (Backoffice Overhead)	1.5	0%	1.5	Mo	\$ - \$ -	0.000	0.00	\$ - \$ -	\$ - \$ -	\$ - \$ -			
INDIRECT PIPING COSTS															
3		Bonding Fee (if required)	1.0	0%	1.0	LS	\$ - \$ -	0.000	0.00	\$ - \$ -	\$ - \$ -	\$ - \$ -			
4		Access Control (Pipe Scaffolding or Boom/Scissor Lifts)	0.0	0%	0.0	LS	\$ - \$ -	0.000	0.00	\$ - \$ -	\$ - \$ -	\$ - \$ -			
5		Equipment Rental	0.0	0%	0.0	LS	\$ - \$ -	0.000	0.00	\$ - \$ -	\$ - \$ -	\$ - \$ -			
6		Travel, Tools, Gas	1.5	0%	1.5	Mo	\$ - \$ -	0.000	0.00	\$ - \$ -	\$ - \$ -	\$ - \$ -			
7		Mobilization	1.5	0%	1.5	Mo	\$ - \$ -	0.000	0.00	\$ - \$ -	\$ - \$ -	\$ - \$ -			
8		Temp. Facilities	1.5	0%	1.5	Mo	\$ - \$ -	0.000	0.00	\$ - \$ -	\$ - \$ -	\$ - \$ -			
9		Temp. Signage and Protection	1.5	0%	1.5	Mo	\$ - \$ -	0.000	0.00	\$ - \$ -	\$ - \$ -	\$ - \$ -			
10		Temp. Fencing	1.5	0%	1.5	Mo	\$ - \$ -	0.000	0.00	\$ - \$ -	\$ - \$ -	\$ - \$ -			
11		Field Superintendent/Foreman (Full Time)	1.5	0%	1.5	Mo	\$ - \$ -	0.000	0.00	\$ - \$ -	\$ - \$ -	\$ - \$ -			
12		Project Manager (Part Time)	1.5	0%	1.5	Mo	\$ - \$ -	0.000	0.00	\$ - \$ -	\$ - \$ -	\$ - \$ -			
22. PLUMBING															
PIPING															
13		1" Dia Cold Water Pipe	59.8	5%	62.7	LF	\$ 1.65 \$ 104	0.122	7.66	\$ 80.00	\$ 612	\$ 716			
14		1-1/4" Dia Cold Water Pipe	62.3	5%	65.4	LF	\$ 2.06 \$ 135	0.133	8.70	\$ 80.00	\$ 696	\$ 831			
15		1/2" Dia Cold Water Pipe	72.3	5%	75.9	LF	\$ 0.83 \$ 63	0.104	7.89	\$ 80.00	\$ 631	\$ 694			
16		3/4" Dia Cold Water Pipe	102.0	5%	107.1	LF	\$ 1.24 \$ 133	0.110	11.78	\$ 80.00	\$ 942	\$ 1,075			
PVC SCH 40 W/1" Thick Closed Cell Insulation W/PVC Covering															
17		1" Dia Hot Water Pipe	3.7	5%	3.9	LF	\$ 2.48 \$ 10	0.122	0.48	\$ 80.00	\$ 38	\$ 48			
18		1/2" Dia Hot Water Pipe	68.8	5%	72.3	LF	\$ 1.24 \$ 89	0.104	7.52	\$ 80.00	\$ 601	\$ 691			
19		3/4" Dia Hot Water Pipe	75.3	5%	79.1	LF	\$ 1.86 \$ 147	0.110	8.70	\$ 80.00	\$ 696	\$ 843			
PVC SCH 40															
20		2" Dia Sanitary Pipe	50.5	5%	53.0	LF	\$ 11.00 \$ 583	0.190	10.07	\$ 80.00	\$ 806	\$ 1,389			
21		3" Dia Sanitary Pipe	88.0	5%	92.4	LF	\$ 18.03 \$ 1,663	0.289	26.61	\$ 80.00	\$ 2,129	\$ 3,792			
22		4" Dia Sanitary Pipe	74.0	5%	77.7	LF	\$ 32.00 \$ 2,487	0.300	23.31	\$ 80.00	\$ 1,865	\$ 4,352			
23		2" Dia Vent Pipe	56.7	5%	59.5	LF	\$ 11.00 \$ 655	0.190	11.31	\$ 80.00	\$ 905	\$ 1,559			
FITTINGS															
24		1" Dia Cold Water Pipe 90 Deg Elbow	2.0	0%	2.0	EA	\$ 8.78 \$ 18	0.079	0.16	\$ 80.00	\$ 13	\$ 30			
25		1/2" Dia Cold Water Pipe 90 Deg Elbow	4.0	0%	4.0	EA	\$ 4.39 \$ 18	0.040	0.16	\$ 80.00	\$ 13	\$ 30			
26		3/4" Dia Cold Water Pipe 90 Deg Elbow	5.0	0%	5.0	EA	\$ 6.59 \$ 33	0.059	0.30	\$ 80.00	\$ 24	\$ 57			
27		1-1/4" Dia Cold Water Pipe Reducer	3.0	0%	3.0	EA	\$ 11.83 \$ 35	0.071	0.21	\$ 80.00	\$ 17	\$ 53			
28		1-1/4" Dia Cold Water Pipe Tee	1.0	0%	1.0	EA	\$ 13.52 \$ 14	0.081	0.08	\$ 80.00	\$ 6	\$ 20			
29		3/4" Dia Cold Water Pipe Tee	1.0	0%	1.0	EA	\$ 8.45 \$ 8	0.051	0.05	\$ 80.00	\$ 4	\$ 13			
30		1-1/2" Dia Cold Water Pipe Tee	5.0	0%	5.0	EA	\$ 7.26 \$ 36	0.065	0.33	\$ 80.00	\$ 26	\$ 82			
31		1-1/4" Dia Cold Water Pipe Tee	1.0	0%	1.0	EA	\$ 8.47 \$ 8	0.076	0.08	\$ 80.00	\$ 6	\$ 15			
32		1-1/2" Dia Cold Water Pipe Tee	1.0	0%	1.0	EA	\$ 14.51 \$ 15	0.131	0.13	\$ 80.00	\$ 10	\$ 25			
33		1-1/4" Dia Cold Water Pipe Tee	3.0	0%	3.0	EA	\$ 10.88 \$ 33	0.098	0.29	\$ 80.00	\$ 24	\$ 56			
34		1-1/4" Dia Cold Water Pipe Tee	3.0	0%	3.0	EA	\$ 8.47 \$ 25	0.076	0.23	\$ 80.00	\$ 18	\$ 44			
35		1-1/4" Dia Cold Water Pipe Tee	1.0	0%	1.0	EA	\$ 9.67 \$ 10	0.087	0.09	\$ 80.00	\$ 7	\$ 17			
36		3/4" Dia Cold Water Pipe Tee	2.0	0%	2.0	EA	\$ 6.05 \$ 12	0.054	0.11	\$ 80.00	\$ 9	\$ 21			
37		1/2" Dia Hot Water Pipe 90 Deg Elbow	1.0	0%	1.0	EA	\$ 4.39 \$ 4	0.040	0.04	\$ 80.00	\$ 3	\$ 8			
38		3/4" Dia Hot Water Pipe Reducer	4.0	0%	4.0	EA	\$ 8.45 \$ 34	0.051	0.20	\$ 80.00	\$ 16	\$ 50			
39		1-1/4" Dia Hot Water Pipe Tee	1.0	0%	1.0	EA	\$ 8.47 \$ 8	0.076	0.08	\$ 80.00	\$ 6	\$ 15			
40		1/2" Dia Hot Water Pipe Tee	4.0	0%	4.0	EA	\$ 4.84 \$ 19	0.044	0.17	\$ 80.00	\$ 14	\$ 33			
41		3/4" Dia Hot Water Pipe Tee	2.0	0%	2.0	EA	\$ 7.26 \$ 15	0.065	0.13	\$ 80.00	\$ 10	\$ 25			
42		3/4" Dia Hot Water Pipe Tee	1.0	0%	1.0	EA	\$ 6.05 \$ 6	0.054	0.05	\$ 80.00	\$ 4	\$ 10			
43		2" Dia Sanitary Pipe 45 Deg Elbow	4.0	0%	4.0	EA	\$ 17.57 \$ 70	0.158	0.63	\$ 80.00	\$ 51	\$ 121			
44		2" Dia Sanitary Pipe 90 Deg Elbow	1.0	0%	1.0	EA	\$ 17.57 \$ 18	0.158	0.16	\$ 80.00	\$ 13	\$ 30			
45		3" Dia Sanitary Pipe 45 Deg Elbow	5.0	0%	5.0	EA	\$ 26.35 \$ 132	0.237	1.19	\$ 80.00	\$ 95	\$ 227			
46		3" Dia Sanitary Pipe Reducer	4.0	0%	4.0	EA	\$ 33.80 \$ 135	0.203	0.81	\$ 80.00	\$ 65	\$ 200			
47		3" Dia Sanitary Pipe Wye	3.0	0%	3.0	EA	\$ 108.64 \$ 326	0.449	1.35	\$ 80.00	\$ 108	\$ 434			
48		3" Dia Sanitary Pipe Tee	3.0	0%	3.0	EA	\$ 90.53 \$ 272	0.375	1.12	\$ 80.00	\$ 90	\$ 361			
49		4" Dia Sanitary Pipe Wye	2.0	0%	2.0	EA	\$ 108.64 \$ 217	0.449	0.90	\$ 80.00	\$ 72	\$ 289			
50		4" Dia Sanitary Pipe Tee	4.0	0%	4.0	EA	\$ 126.75 \$ 507	0.524	2.10	\$ 80.00	\$ 165	\$ 675			
51		2" Dia Vent Pipe 90 Deg Elbow	5.0	0%	5.0	EA	\$ 17.57 \$ 88	0.158	0.79	\$ 80.00	\$ 63	\$ 151			
52		2" Dia Vent Pipe Tee	2.0	0%	2.0	EA	\$ 19.35 \$ 39	0.174	0.35	\$ 80.00	\$ 28	\$ 67			
VALVES															
53		1/2" Dia Ball Valve	1.0	0%	1.0	EA	\$ 75.00 \$ 75	1.000	1.00	\$ 80.00	\$ 80	\$ 155			
54		1" Dia Ball Valve	1.0	0%	1.0	EA	\$ 90.00 \$ 90	1.000	1.00	\$ 80.00	\$ 80	\$ 170			
55		1" Dia Ball Valve	3.0	0%	3.0	EA	\$ 105.00 \$ 315	1.000	3.00	\$ 80.00	\$ 240	\$ 555			
56		1-1/4" Dia Ball Valve	1.0	0%	1.0	EA	\$ 115.00 \$ 115	1.000	1.00	\$ 80.00	\$ 80	\$ 195			
57		1/2" Dia Water Pressure Relief Valve	2.0	0%	2.0	EA	\$ 75.00 \$ 150	1.000	2.00	\$ 80.00	\$ 160	\$ 310			
58		2" Dia AAV, Air Admittance Valve	1.0	0%	1.0	EA	\$ 155.00 \$ 155	1.350	1.35	\$ 80.00	\$ 108	\$ 263			
PLUMBING EQUIPMENTS															
59		2" Dia FGD, Exterior Cleanout	3.0	0%	3.0	EA	\$ 102.50 \$ 308	1.150	3.45	\$ 80.00	\$ 276	\$ 584			
60		2" Dia FD-1, Epoxy Coated Cast Iron Floor Drain, MFG: Watts, Model: FD100-A	1.0	0%	1.0	EA	\$ 191.32 \$ 191	1.480	1.48	\$ 80.00	\$ 118	\$ 310			
61		3/4" HB, Hose Bibb, MFG: Woodford, Model: 24	5.0	0%	5.0	EA	\$ 90.99 \$ 455	1.160	5.80	\$ 80.00	\$ 464	\$ 919			
62		L-1, Laundry	3.0	0%	3.0	EA	\$ 657.00 \$ 1,971	5.200	15.60	\$ 80.00	\$ 1,248	\$ 3,219			
63		LT-124x24" Laundry Tub	1.0	0%	1.0	EA	\$ 260.00 \$ 260	4.45	4.45	\$ 80.00	\$ 356	\$ 616			
64		REF, Ice Maker Box, MFG: Oatey Moda	1.0	0%	1.0	EA	\$ 44.11 \$ 44	0.950	0.95	\$ 80.00	\$ 76	\$ 120			
65		SH-1, Tiled/Built-Up Shower	3.0	0%	3.0	EA	\$ 1,250.00 \$ 3,750	7.250	21.75	\$ 80.00	\$ 1,740	\$ 5,490			
66		SK-1, Sink	1.0	0%	1.0	EA	\$ 554.00 \$ 554	4.500	4.50	\$ 80.00	\$ 360	\$ 914			
67		WC-1, Water Closet	3.0	0%	3.0	EA	\$ 700.00 \$ 2,100	4.350	12.99	\$ 80.00	\$ 1,039	\$ 3,139			
68		WHA, Water Hammer Arrestor	11.0	0%	11.0	EA	\$ 88.14 \$ 970	1.130	12.43	\$ 80.00	\$ 994	\$ 1,964			
PLUMBING EQUIPMENTS															
69		EWH-1, Electric Water Heater, 50 Gallons, 240V/1-Phase, 24"x56.5", MFG: AO Smith, Model: EWT-55	1.0	0%	1.0	EA	\$ 963.21 \$ 963	6.100	6.10	\$ 80.00	\$ 488	\$ 1,451			
70		EWH-2, Electric Water Heater, 10 Gallons, 240V/1-Phase, 16"x28.25", MFG: AO Smith, Model: EIC-10	1.0	0%	1.0	EA	\$ 654.02 \$ 654	6.100	6.10	\$ 80.00	\$ 488	\$ 1,142			
MISCELLANEOUS															
71		2" VTR, Vent Through Roof	4.0	0%	4.0	EA	\$ 98.10 \$ 392	0.980	3.92	\$ 80.00	\$ 314	\$ 706			
ELECTRIC WATER HEATER DETAILS															
72		Union	2.0	0%	2.0	EA	\$ 8.34 \$ 17	0.125	0.25	\$ 80.00	\$ 20	\$ 37			
73		Drain Valve W/Hose Connection	1.0	0%	1.0	EA	\$ 41.06 \$ 41	0.616	0.62	\$ 80.00	\$ 49	\$ 90			
74		ASME Temperature & Pressure Relief Valve	1.0	0%	1.0	EA	\$ 76.13 \$ 76	1.160	1.16	\$ 80.00	\$ 93	\$ 169			
75		Temperature Gauge	1.0	0%	1.0	EA	\$ 36.88 \$ 37	0.900	0.90	\$ 80.00	\$ 72	\$ 109			
76		1" Dia Check Valve	1.0	0%	1.0	EA	\$ 44.50 \$ 45	0.668	0.67	\$ 80.00	\$ 53	\$ 98			
77		Diaphragm Expansion Tank	1.0	0%	1.0	EA	\$ 1,150.00 \$ 1,150	6.000	6.00	\$ 80.00	\$ 480	\$ 1,630			
78		Thermal Expansion Tank Control Device, MFG: Watts, Model: LFS30C	1.0	0%	1.0	EA	\$ 64.88 \$ 65	1.210	1.21	\$ 80.00	\$ 9				

