

MATERIAL TAKEOFF AND COST ESTIMATE STATEMENT

PROJECT NAME: PLUMBING 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
<b>01. GENERAL CONDITIONS</b>															
<b>\$17,750</b>															
		<b>INDIRECT PROJECT COSTS</b>													
1		General Liability Insurance	0.0	0%	0.0	Mo	\$ -	\$ -	0.000	0.00	\$ -	\$ -	\$ -		
2		General Conditions (Backoffice Overhead)	0.0	0%	0.0	Mo	\$ -	\$ -	0.000	0.00	\$ -	\$ -	\$ -		
		<b>INDIRECT OFFICE COSTS</b>													
3		Bonding Fee (if required)	1.2	0%	1.2	%	\$ -	\$ -	0.000	0.00	\$ -	\$ -	\$ -		
4		Access Control (Pipe Scaffolding or Boom/Scissor Lifts)	0.0	0%	0.0	Mo	\$ -	\$ -	0.000	0.00	\$ -	\$ -	\$ -		
5		Equipment Rental	0.0	0%	0.0	Mo	\$ -	\$ -	0.000	0.00	\$ -	\$ -	\$ -		
6		Travel, Tools, Gas	0.0	0%	0.0	Mo	\$ -	\$ -	0.000	0.00	\$ -	\$ -	\$ -		
7		Field Office	0.0	0%	0.0	Mo	\$ -	\$ -	0.000	0.00	\$ -	\$ -	\$ -		
8		Temp. Facilities	1.0	0%	1.0	Mo	\$ -	\$ -	100.000	100.00	\$ 71.00	\$ 71.00	\$ 7,100		
9		Temp. Signage and Protection	0.0	0%	0.0	Mo	\$ -	\$ -	0.000	0.00	\$ -	\$ -	\$ -		
10		Temp. Fencing	0.0	0%	0.0	Mo	\$ -	\$ -	0.000	0.00	\$ -	\$ -	\$ -		
11		Field Superintendent/Foreman (Full Time)	1.0	0%	1.0	Mo	\$ -	\$ -	150.000	150.00	\$ 71.00	\$ 10,650	\$ 10,650		
12		Project Manager (Part Time)	0.0	0%	0.0	Mo	\$ -	\$ -	0.000	0.00	\$ -	\$ -	\$ -		
<b>22. PLUMBING</b>															
<b>\$217,896</b>															
		<b>PIPE</b>													
		<b>TYPE L COPPER</b>													
13		1/2" Dia Cold Water Pipe	43.1	5%	45.2	LF	\$ 3.46	\$ 157	0.069	3.12	\$ 71.00	\$ 222	\$ 378		
14		3/4" Dia Cold Water Pipe	185.0	5%	194.3	LF	\$ 6.02	\$ 1,169	0.074	14.37	\$ 71.00	\$ 1,021	\$ 2,190		
15		1" Dia Cold Water Pipe	14.0	5%	14.7	LF	\$ 7.33	\$ 108	0.083	1.22	\$ 71.00	\$ 87	\$ 194		
16		1-1/4" Dia Cold Water Pipe	12.2	5%	12.8	LF	\$ 10.00	\$ 128	0.097	1.24	\$ 71.00	\$ 88	\$ 216		
17		1-1/2" Dia Cold Water Pipe	9.3	5%	9.8	LF	\$ 12.65	\$ 124	0.108	1.06	\$ 71.00	\$ 75	\$ 199		
18		18" Dia Cold Water Pipe	57.5	5%	60.4	LF	\$ 18.79	\$ 1,134	0.133	8.03	\$ 71.00	\$ 570	\$ 1,705		
19		3" Dia Cold Water Pipe	14.3	5%	15.0	LF	\$ 37.12	\$ 558	0.200	3.01	\$ 71.00	\$ 214	\$ 772		
20		1/2" Dia Cold Water High Pressure Pipe	82.0	5%	86.1	LF	\$ 3.46	\$ 298	0.069	5.94	\$ 71.00	\$ 422	\$ 720		
21		3/4" Dia Cold Water High Pressure Pipe	171.3	5%	179.8	LF	\$ 6.02	\$ 1,083	0.074	13.31	\$ 71.00	\$ 945	\$ 2,028		
22		1" Dia Cold Water High Pressure Pipe	49.6	5%	52.1	LF	\$ 7.33	\$ 382	0.083	4.32	\$ 71.00	\$ 307	\$ 689		
23		2" Dia Cold Water High Pressure Pipe	31.3	5%	32.9	LF	\$ 18.79	\$ 617	0.133	4.27	\$ 71.00	\$ 310	\$ 928		
24		3" Dia Cold Water High Pressure Pipe	13.9	5%	14.6	LF	\$ 37.12	\$ 543	0.200	2.92	\$ 71.00	\$ 208	\$ 750		
25		3/4" Dia Industrial Non-Potable Cold Water Pipe	22.4	5%	23.6	LF	\$ 6.02	\$ 142	0.074	1.74	\$ 71.00	\$ 124	\$ 266		
26		1" Dia Industrial Non-Potable Cold Water Pipe	10.1	5%	10.6	LF	\$ 7.33	\$ 78	0.083	0.88	\$ 71.00	\$ 62	\$ 140		
27		2" Dia Industrial Non-Potable Cold Water Pipe	533.0	5%	559.7	LF	\$ 18.79	\$ 10,516	0.133	74.43	\$ 71.00	\$ 5,285	\$ 15,801		
28		1/2" Dia Hot Water Pipe	14.5	5%	15.2	LF	\$ 7.33	\$ 111	0.083	1.06	\$ 71.00	\$ 75	\$ 175		
29		3/4" Dia Hot Water Pipe	73.0	5%	76.6	LF	\$ 6.02	\$ 461	0.074	5.67	\$ 71.00	\$ 403	\$ 864		
30		1" Dia Hot Water Pipe	14.2	5%	14.9	LF	\$ 7.33	\$ 109	0.083	1.24	\$ 71.00	\$ 88	\$ 197		
31		2" Dia Hot Water Pipe	12.6	5%	13.3	LF	\$ 18.79	\$ 249	0.133	1.77	\$ 71.00	\$ 125	\$ 375		
32		1-1/2" Dia Hot Water 140 Pipe	10.1	5%	10.6	LF	\$ 12.65	\$ 134	0.108	1.14	\$ 71.00	\$ 81	\$ 215		
33		1-1/4" Dia Hot Water 140 Pipe	19.5	5%	20.5	LF	\$ 10.00	\$ 205	0.097	1.99	\$ 71.00	\$ 141	\$ 346		
34		2" Dia Hot Water 140 Pipe	4.3	5%	4.5	LF	\$ 18.79	\$ 85	0.133	0.60	\$ 71.00	\$ 43	\$ 127		
35		2" Dia Hot Water 140 Pipe	15.2	5%	16.0	LF	\$ 18.79	\$ 300	0.133	2.13	\$ 71.00	\$ 151	\$ 451		
36		1/2" Dia Hot Water Return Pipe	42.5	5%	44.6	LF	\$ 3.46	\$ 154	0.069	3.08	\$ 71.00	\$ 219	\$ 373		
37		3/4" Dia Hot Water Return Pipe	12.2	5%	12.8	LF	\$ 6.02	\$ 77	0.074	0.95	\$ 71.00	\$ 67	\$ 144		
38		1-1/2" Dia Hot Water Return Pipe	10.1	5%	10.6	LF	\$ 12.65	\$ 134	0.108	1.14	\$ 71.00	\$ 81	\$ 215		
39		3/4" Dia Hot Water Return 140 Pipe	25.4	5%	26.6	LF	\$ 6.02	\$ 160	0.074	1.97	\$ 71.00	\$ 140	\$ 300		
40		1" Dia Hot Water Return 140 Pipe	24.1	5%	25.3	LF	\$ 7.33	\$ 185	0.083	2.10	\$ 71.00	\$ 149	\$ 335		
		<b>PVC SCH 40</b>													
41		2" Dia Sanitary Pipe	304.0	5%	319.2	LF	\$ 3.30	\$ 1,053	0.114	36.39	\$ 71.00	\$ 2,584	\$ 3,637		
42		3" Dia Sanitary Pipe	420.0	5%	441.0	LF	\$ 5.83	\$ 2,583	0.127	55.83	\$ 71.00	\$ 3,964	\$ 6,179		
43		4" Dia Sanitary Pipe	532.0	5%	558.6	LF	\$ 6.60	\$ 3,687	0.140	78.09	\$ 71.00	\$ 5,545	\$ 9,231		
44		6" Dia Sanitary Pipe	304.0	5%	319.2	LF	\$ 9.90	\$ 3,160	0.172	54.97	\$ 71.00	\$ 3,903	\$ 7,063		
45		3" Dia Sanitary Sewer PRL Pipe	40.1	5%	42.1	LF	\$ 4.95	\$ 208	0.127	5.33	\$ 71.00	\$ 378	\$ 587		
46		2" Dia Kitchen Waste Pipe	12.9	5%	13.6	LF	\$ 3.30	\$ 45	0.114	1.55	\$ 71.00	\$ 110	\$ 154		
47		4" Dia Kitchen Waste Pipe	258.0	5%	273.9	LF	\$ 3.30	\$ 918	0.114	91.80	\$ 71.00	\$ 2,659	\$ 4,198		
48		2" Dia Pump Discharge Pipe	121.0	5%	127.1	LF	\$ 3.30	\$ 419	0.114	14.48	\$ 71.00	\$ 1,028	\$ 1,448		
49		2" Dia Storm Drain Pipe	362.0	5%	380.1	LF	\$ 3.30	\$ 1,254	0.114	43.33	\$ 71.00	\$ 3,077	\$ 4,331		
50		3" Dia Storm Drain Pipe	248.0	5%	260.4	LF	\$ 4.95	\$ 1,289	0.127	32.97	\$ 71.00	\$ 2,341	\$ 3,630		
51		4" Dia Storm Drain Pipe	122.6	5%	128.7	LF	\$ 6.60	\$ 849	0.140	17.99	\$ 71.00	\$ 1,277	\$ 2,127		
52		6" Dia Storm Drain Pipe	364.0	5%	382.2	LF	\$ 9.90	\$ 3,784	0.172	65.81	\$ 71.00	\$ 4,672	\$ 8,423		
53		8" Dia Storm Drain Pipe	23.0	5%	24.2	LF	\$ 13.20	\$ 319	0.192	4.64	\$ 71.00	\$ 329	\$ 648		
54		10" Dia Storm Drain Pipe	30.9	5%	32.4	LF	\$ 16.50	\$ 535	0.207	6.71	\$ 71.00	\$ 476	\$ 1,011		
55		6" Dia Secondary Storm Drain Pipe	81.7	5%	85.8	LF	\$ 9.90	\$ 849	0.172	14.77	\$ 71.00	\$ 1,049	\$ 1,898		
56		8" Dia Secondary Storm Drain Pipe	34.1	5%	35.8	LF	\$ 13.20	\$ 473	0.192	6.88	\$ 71.00	\$ 489	\$ 962		
57		2" Dia Vent Pipe	147.0	5%	154.4	LF	\$ 3.30	\$ 509	0.114	17.60	\$ 71.00	\$ 1,249	\$ 1,759		
58		3" Dia Vent Pipe	226.0	5%	237.3	LF	\$ 4.95	\$ 1,175	0.127	30.04	\$ 71.00	\$ 2,133	\$ 3,308		
59		4" Dia Vent Pipe	218.0	5%	228.9	LF	\$ 6.60	\$ 1,511	0.140	32.00	\$ 71.00	\$ 2,272	\$ 3,783		
60		6" Dia Vent Pipe	63.1	5%	66.2	LF	\$ 9.90	\$ 656	0.172	11.41	\$ 71.00	\$ 810	\$ 1,466		
		<b>BLACK STEEL SCH 40</b>													
61		1-1/4" Dia Gas Pipe	147.0	5%	154.3	LF	\$ 7.35	\$ 1,134	0.130	20.06	\$ 71.00	\$ 1,424	\$ 2,559		
62		2" Dia Gas Pipe	437.0	5%	458.9	LF	\$ 11.76	\$ 5,396	0.156	71.58	\$ 71.00	\$ 5,082	\$ 10,478		
		<b>FITTINGS</b>													
63		1" Dia Cold Water Pipe 90 Deg Elbow	5.0	0%	5.0	EA	\$ 4.39	\$ 22	0.066	0.33	\$ 71.00	\$ 23	\$ 45		
64		1/2" Dia Cold Water Pipe 90 Deg Elbow	7.0	0%	7.0	EA	\$ 2.20	\$ 15	0.033	0.23	\$ 71.00	\$ 16	\$ 32		
65		1-1/4" Dia Cold Water Pipe 90 Deg Elbow	1.0	0%	1.0	EA	\$ 5.49	\$ 5	0.082	0.08	\$ 71.00	\$ 6	\$ 11		
66		2" Dia Cold Water Pipe 90 Deg Elbow	3.0	0%	3.0	EA	\$ 8.78	\$ 26	0.132	0.40	\$ 71.00	\$ 28	\$ 54		
67		3/4" Dia Cold Water Pipe 90 Deg Elbow	8.0	0%	8.0	EA	\$ 3.29	\$ 26	0.049	0.40	\$ 71.00	\$ 28	\$ 54		
68		1-1/2" / 3/4" Dia Cold Water Pipe Reducer	1.0	0%	1.0	EA	\$ 7.22	\$ 7	0.108	0.11	\$ 71.00	\$ 8	\$ 15		
69		3/4" Dia Cold Water Pipe Reducer	1.0	0%	1.0	EA	\$ 4.81	\$ 5	0.072	0.07	\$ 71.00	\$ 5	\$ 10		
70		1/2" Dia Cold Water Tee	4.0	0%	4.0	EA	\$ 2.64	\$ 11	0.040	0.16	\$ 71.00	\$ 11	\$ 21		
71		1-1/2" / 1" Dia Cold Water Tee	1.0	0%	1.0	EA	\$ 6.60	\$ 7	0.099	0.10	\$ 71.00	\$ 7	\$ 14		
72		1-1/2" / 3/4" Dia Cold Water Tee	1.0	0%	1.0	EA	\$ 5.94	\$ 6	0.089	0.09	\$ 71.00	\$ 6	\$ 12		
73		2" Dia Cold Water Tee	1.0	0%	1.0	EA	\$ 10.55	\$ 11	0.158	0.16	\$ 71.00	\$ 11	\$ 22		
74		2 1/2" Dia Cold Water Tee	1.0	0%	1.0	EA	\$ 7.92	\$ 8	0.119	0.12	\$ 71.00	\$ 8	\$ 16		
75		2 3/4" Dia Cold Water Tee	2.0	0%	2.0	EA	\$								

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
117		8" Dia Secondary Storm Drain Pipe 45 Deg Elbow	2.0	0%	2.0	EA	\$ 35.14	\$ 70	0.527	0.527	\$ 75	\$ 145			
118		87/6" Dia Secondary Storm Drain Pipe Reducer	1.0	0%	1.0	EA	\$ 44.92	\$ 44.92	0.674	0.674	\$ 71.00	\$ 48	\$ 93		
119		87/6" Dia Secondary Storm Drain Pipe Tee	1.0	0%	1.0	EA	\$ 36.94	\$ 37	0.554	0.55	\$ 71.00	\$ 39	\$ 76		
120		87/6" Dia Secondary Storm Drain Pipe Wye	1.0	0%	1.0	EA	\$ 63.37	\$ 63	0.278	0.28	\$ 71.00	\$ 20	\$ 83		
121		2" Dia Sanitary Pipe 45 Deg Elbow	27.0	0%	27.0	EA	\$ 8.78	\$ 237	0.132	3.56	\$ 71.00	\$ 253	\$ 490		
122		3" Dia Sanitary Pipe 45 Deg Elbow	52.0	0%	52.0	EA	\$ 18.11	\$ 938	0.16	10.28	\$ 71.00	\$ 730	\$ 1,415		
123		4" Dia Sanitary Pipe 45 Deg Elbow	30.0	0%	30.0	EA	\$ 17.57	\$ 527	0.264	7.91	\$ 71.00	\$ 561	\$ 1,088		
124		6" Dia Sanitary Pipe 45 Deg Elbow	21.0	0%	21.0	EA	\$ 26.35	\$ 553	0.395	8.30	\$ 71.00	\$ 589	\$ 1,143		
125		3" / 2" Dia Sanitary Pipe Reducer	1.0	0%	1.0	EA	\$ 16.04	\$ 16	0.241	0.24	\$ 71.00	\$ 17	\$ 33		
126		37/2" Dia Sanitary Pipe Reducer	1.0	0%	1.0	EA	\$ 16.04	\$ 16	0.241	0.24	\$ 71.00	\$ 17	\$ 33		
127		4" / 3" Dia Sanitary Pipe Reducer	2.0	0%	2.0	EA	\$ 22.46	\$ 45	0.337	0.67	\$ 71.00	\$ 48	\$ 93		
128		47/3" Dia Sanitary Pipe Reducer	2.0	0%	2.0	EA	\$ 22.46	\$ 45	0.337	0.67	\$ 71.00	\$ 48	\$ 93		
129		6" / 4" Dia Sanitary Pipe Reducer	1.0	0%	1.0	EA	\$ 32.09	\$ 32	0.481	0.48	\$ 71.00	\$ 34	\$ 66		
130		67/4" Dia Sanitary Pipe Reducer	1.0	0%	1.0	EA	\$ 32.09	\$ 32	0.481	0.48	\$ 71.00	\$ 34	\$ 66		
131		2" Dia Sanitary Pipe Wye	2.0	0%	2.0	EA	\$ 18.11	\$ 36	0.079	0.16	\$ 71.00	\$ 11	\$ 47		
132		2" Dia Sanitary Pipe Wye	1.0	0%	1.0	EA	\$ 18.11	\$ 18	0.079	0.08	\$ 71.00	\$ 6	\$ 24		
133		3" Dia Sanitary Pipe Wye	4.0	0%	4.0	EA	\$ 27.16	\$ 109	0.119	0.48	\$ 71.00	\$ 34	\$ 142		
134		3" Dia Sanitary Pipe Wye	4.0	0%	4.0	EA	\$ 27.16	\$ 109	0.119	0.48	\$ 71.00	\$ 34	\$ 142		
135		37/2" Dia Sanitary Pipe Wye	1.0	0%	1.0	EA	\$ 22.63	\$ 23	0.099	0.10	\$ 71.00	\$ 7	\$ 30		
136		4" / 3" Dia Sanitary Pipe Wye	2.0	0%	2.0	EA	\$ 31.69	\$ 63	0.139	0.28	\$ 71.00	\$ 20	\$ 83		
137		4" Dia Sanitary Pipe Wye	1.0	0%	1.0	EA	\$ 45.27	\$ 45	0.198	0.20	\$ 71.00	\$ 14	\$ 59		
138		4" Dia Sanitary Pipe Wye	8.0	0%	8.0	EA	\$ 36.21	\$ 290	0.159	1.27	\$ 71.00	\$ 90	\$ 380		
139		47/2" Dia Sanitary Pipe Wye	5.0	0%	5.0	EA	\$ 27.16	\$ 136	0.119	0.59	\$ 71.00	\$ 42	\$ 178		
140		47/3" Dia Sanitary Pipe Wye	3.0	0%	3.0	EA	\$ 31.69	\$ 95	0.139	0.42	\$ 71.00	\$ 30	\$ 125		
141		6" Dia Sanitary Pipe Wye	9.0	0%	9.0	EA	\$ 54.32	\$ 489	0.238	2.14	\$ 71.00	\$ 152	\$ 641		
142		67/4" Dia Sanitary Pipe Wye	1.0	0%	1.0	EA	\$ 45.27	\$ 45	0.198	0.20	\$ 71.00	\$ 14	\$ 59		
143		4" Dia Kitchen Waste Pipe 45 Deg Elbow	8.0	0%	8.0	EA	\$ 17.57	\$ 141	0.264	2.11	\$ 71.00	\$ 150	\$ 290		
144		4" / 2" Dia Kitchen Waste Pipe Reducer	1.0	0%	1.0	EA	\$ 19.25	\$ 19	0.289	0.29	\$ 71.00	\$ 21	\$ 40		
145		4" Dia Kitchen Waste Pipe Wye	5.0	0%	5.0	EA	\$ 36.21	\$ 181	0.159	0.79	\$ 71.00	\$ 56	\$ 237		
146		2" Dia Pump Discharge Pipe 90 Deg Elbow	8.0	0%	8.0	EA	\$ 8.78	\$ 70	0.132	1.05	\$ 71.00	\$ 75	\$ 145		
147		2" Dia Vent Pipe 45 Deg Elbow	1.0	0%	1.0	EA	\$ 8.78	\$ 9	0.132	0.13	\$ 71.00	\$ 9	\$ 18		
148		2" Dia Vent Pipe 90 Deg Elbow	7.0	0%	7.0	EA	\$ 8.78	\$ 61	0.132	0.92	\$ 71.00	\$ 65	\$ 127		
149		3" Dia Vent Pipe 45 Deg Elbow	2.0	0%	2.0	EA	\$ 13.18	\$ 26	0.198	0.40	\$ 71.00	\$ 28	\$ 54		
150		3" Dia Vent Pipe 90 Deg Elbow	7.0	0%	7.0	EA	\$ 13.18	\$ 92	0.198	1.38	\$ 71.00	\$ 98	\$ 190		
151		4" Dia Vent Pipe 45 Deg Elbow	1.0	0%	1.0	EA	\$ 17.57	\$ 18	0.264	0.26	\$ 71.00	\$ 19	\$ 36		
152		4" Dia Vent Pipe 90 Deg Elbow	5.0	0%	5.0	EA	\$ 17.57	\$ 88	0.264	1.32	\$ 71.00	\$ 94	\$ 181		
153		4" Dia Vent Pipe 90 Deg Elbow	3.0	0%	3.0	EA	\$ 26.35	\$ 79	0.395	1.19	\$ 71.00	\$ 84	\$ 163		
154		47/3" Dia Vent Pipe Reducer	3.0	0%	3.0	EA	\$ 22.46	\$ 67	0.337	1.01	\$ 71.00	\$ 72	\$ 139		
155		67/2" Dia Vent Pipe Reducer	1.0	0%	1.0	EA	\$ 25.67	\$ 26	0.385	0.39	\$ 71.00	\$ 27	\$ 53		
156		67/4" Dia Vent Pipe Reducer	1.0	0%	1.0	EA	\$ 32.09	\$ 32	0.481	0.48	\$ 71.00	\$ 34	\$ 66		
157		2" Dia Vent Pipe Tee	5.0	0%	5.0	EA	\$ 29.89	\$ 149	0.158	0.79	\$ 71.00	\$ 56	\$ 237		
158		2" Dia Vent Pipe Tee	2.0	0%	2.0	EA	\$ 15.83	\$ 32	0.237	0.47	\$ 71.00	\$ 34	\$ 65		
159		37/2" Dia Vent Pipe Tee	1.0	0%	1.0	EA	\$ 13.19	\$ 13	0.198	0.20	\$ 71.00	\$ 14	\$ 27		
160		47/3" Dia Vent Pipe Tee	1.0	0%	1.0	EA	\$ 18.47	\$ 18	0.277	0.28	\$ 71.00	\$ 20	\$ 38		
161		6" Dia Vent Pipe Tee	1.0	0%	1.0	EA	\$ 31.66	\$ 32	0.475	0.47	\$ 71.00	\$ 34	\$ 65		
162		37/2" Dia Vent Pipe Wye	1.0	0%	1.0	EA	\$ 23.63	\$ 23	0.099	0.10	\$ 71.00	\$ 7	\$ 30		
163		3" Dia Vent Pipe Wye	7.0	0%	7.0	EA	\$ 27.16	\$ 27	0.119	0.12	\$ 71.00	\$ 8	\$ 36		
164		3" Dia Vent Pipe Wye	1.0	0%	1.0	EA	\$ 27.16	\$ 27	0.119	0.12	\$ 71.00	\$ 8	\$ 36		
165		67/4" Dia Vent Pipe Wye	1.0	0%	1.0	EA	\$ 45.27	\$ 45	0.198	0.20	\$ 71.00	\$ 14	\$ 59		
<b>VALVES</b>															
166		3/4" Dia Ball Valve	5.0	0%	5.0	EA	\$ 47.79	\$ 239	0.573	2.87	\$ 71.00	\$ 204	\$ 443		
167		1" Dia Ball Valve	1.0	0%	1.0	EA	\$ 63.72	\$ 64	0.765	0.76	\$ 71.00	\$ 54	\$ 118		
168		2" Dia Ball Valve	5.0	0%	5.0	EA	\$ 114.70	\$ 573	1.376	6.88	\$ 71.00	\$ 489	\$ 1,062		
169		1" Dia Balancing Valve	1.0	0%	1.0	EA	\$ 154.05	\$ 154	1.849	1.85	\$ 71.00	\$ 131	\$ 285		
170		2" Dia Solenoid Valve	3.0	0%	3.0	EA	\$ 139.90	\$ 420	1.679	5.04	\$ 71.00	\$ 358	\$ 777		
171		3/4" Dia Shut-Off Valve	2.0	0%	2.0	EA	\$ 105.51	\$ 211	0.666	1.33	\$ 71.00	\$ 94	\$ 193		
172		AD Admittance Valve	2.0	0%	2.0	EA	\$ 88.46	\$ 177	1.350	2.70	\$ 71.00	\$ 192	\$ 369		
173		2" Dia Natural Gas Regulator, MFG: Maxitrol, Model: 325 Series	1.0	0%	1.0	EA	\$ 494.35	\$ 494	2.472	2.47	\$ 71.00	\$ 175	\$ 670		
174		6" Back Water Valve	1.0	0%	1.0	EA	\$ 641.94	\$ 642	3.210	3.21	\$ 71.00	\$ 228	\$ 870		
<b>PLUMBING FIXTURES</b>															
175		3" DD-1, Promenade Deck Drain, Zurn, #Z1154-DP-DT	1.0	0%	1.0	EA	\$ 663.99	\$ 664	3.650	3.65	\$ 71.00	\$ 259	\$ 923		
176		2" DD-1, Promenade Deck Drain, Zurn, #Z1154-DP-DT	2.0	0%	2.0	EA	\$ 762.99	\$ 1,526	3.840	7.68	\$ 71.00	\$ 545	\$ 2,071		
177		3" HD-1, Hub Drain	1.0	0%	1.0	EA	\$ 55.47	\$ 55	0.930	0.93	\$ 71.00	\$ 66	\$ 122		
178		SD-1, Structural Drain, Josam, #J29000 Series	1.0	0%	1.0	EA	\$ 199.85	\$ 200	2.120	2.12	\$ 71.00	\$ 151	\$ 350		
179		3/4" HB-1, Hose Bibb, Woodford, #24	2.0	0%	2.0	EA	\$ 90.99	\$ 182	1.160	2.32	\$ 71.00	\$ 165	\$ 347		
180		4" CO, Cleanout	1.0	0%	1.0	EA	\$ 51.30	\$ 51	0.660	0.66	\$ 71.00	\$ 47	\$ 93		
181		4" ECO, Exterior Cleanout	1.0	0%	1.0	EA	\$ 102.50	\$ 103	1.150	1.15	\$ 71.00	\$ 82	\$ 184		
182		4" WCO, Wall Cleanout	3.0	0%	3.0	EA	\$ 102.50	\$ 308	1.150	3.45	\$ 71.00	\$ 245	\$ 552		
183		6" FCO, Floor Cleanout	3.0	0%	3.0	EA	\$ 136.35	\$ 409	1.270	3.81	\$ 71.00	\$ 271	\$ 680		
184		ECO, Exterior Cleanout	1.0	0%	1.0	EA	\$ 116.80	\$ 117	1.200	1.20	\$ 71.00	\$ 85	\$ 202		
185		FCO, Floor Cleanout	2.0	0%	2.0	EA	\$ 102.80	\$ 206	1.120	2.24	\$ 71.00	\$ 159	\$ 365		
186		FD-1, Floor Drain, Zurn, #Z1415-S-AR	3.0	0%	3.0	EA	\$ 212.99	\$ 639	1.550	4.65	\$ 71.00	\$ 330	\$ 969		
187		FD-2, Floor Drain, Zurn, #Z1610-AR-P	5.0	0%	5.0	EA	\$ 492.00	\$ 2,460	2.500	12.50	\$ 71.00	\$ 888	\$ 3,348		
188		FD-3, Floor Drain, Zurn, #Z1735	1.0	0%	1.0	EA	\$ 178.62	\$ 179	1.420	1.42	\$ 71.00	\$ 101	\$ 279		
189		FS-1, 12"x12"x10" Floor Sink, Zurn, #Z1752-KC-2	4.0	0%	4.0	EA	\$ 349.95	\$ 1,400	4.500	18.00	\$ 71.00	\$ 1,278	\$ 2,678		
190		HB-1, Hose Bibb, Woodford, #24	4.0	0%	4.0	EA	\$ 90.99	\$ 364	1.160	4.64	\$ 71.00	\$ 329	\$ 693		
191		HD-1, Hub Drain	3.0	0%	3.0	EA	\$ 55.47	\$ 166	0.930	2.79	\$ 71.00	\$ 198	\$ 365		
192		KS-1, Food Service Sink, Zurn, #Z8804-LRLK-PC	1.0	0%	1.0	EA	\$ 789.00	\$ 789	5.130	5.13	\$ 71.00	\$ 364	\$ 1,153		
193		KS-3, Food Service Sink, Watts, #SD-3	1.0	0%	1.0	EA	\$ 240.60	\$ 241	3.750	3.75	\$ 71.00	\$ 266	\$ 507		
194		L-3, Wall Hung Lavatory, Zurn, #Z1070XL	3.0	0%	3.0	EA	\$ 380.00	\$ 1,140	4.750	14.25	\$ 71.00	\$ 1,012	\$ 2,152		
195		S-2, Spa Treatment Room Sink, Zurn, #Z1070XL	1.0	0%	1.0	EA	\$ 380.00	\$ 380	4.750	4.75	\$ 71.00	\$ 337	\$ 717		
196		TD-1, Garage Trench Drain, Zurn, #Z882-16-DGE-USA	16.5	0%	16.5	LF	\$ 312.38	\$ 5,164	0.850	14.05	\$ 71.00	\$ 998	\$ 6,161		
197		TD-3, Spa Trench Drain, Specified By Others	2.0	0%	2.0	EA	\$ 684.00	\$ 1,368	5.730	11.46	\$ 71.00	\$ 814	\$ 2,182		
198		TP-1, Electronic Trap Primer Valve, Precision Plumbing Products (PPP), #MPB-500-115V	1.0	0%	1.0	EA	\$ 993.15	\$ 993	3.440	3.44	\$ 71.00	\$ 244	\$ 1,237		
199		WC-1, Water Closet, Specified By Interior Designer	3.0	0%	3.0	EA	\$ 492.10	\$ 1,476	4.330	12.99	\$ 71.00	\$ 922	\$ 2,399		
<b>PLUMBING EQUIPMENTS</b>															
200		1" Dia Sub-Meter	1.0	0%	1.0	EA	\$ 76.00	\$ 76	0.950	0.95	\$ 71.00	\$ 67	\$ 143		
201		2" Dia Sub-Meter	2.0	0%	2.0	EA	\$ 116.19	\$ 232	1.280	2.56	\$ 71.00	\$ 182	\$ 414		
202		ESEW-1, Emergency Shower Eye Wash, Bradley, #S19-310PVC	2.0	0%	2.0	EA	\$ 1,769.92	\$ 3,540	8.900	17.80	\$ 71.00	\$ 1,264	\$ 4,804		
203		EW-2, Electric Drinking Fountain Non-Refrigerated, Elkay, #ILZWS-EDFPBM117K	3.0	0%	3.0	EA	\$ 4,549.00	\$ 13,647	12.250	36.75	\$ 71.00	\$ 2,609	\$ 16,256		
204		EW-1, Electric Water Heater, AO Smith, #DVE-120-30, 119 Gal., 30 kW, 1400 Lbs.	1.0	0%	1.0	EA	\$ 7,665.00	\$ 7,665	16.350	16.35	\$ 71.00	\$ 1,161	\$ 8,826		
2															