

DETAILED BREAKDOWN OF ITEMS

Prepared for:

Project ID:

Scope:

Date:

SR #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
PLUMBING									
	Cold Water Pipe Underground								
	Type "K" Annealed Copper Tubing W/ No Joints								
1	1" Dia Cold Water Pipe	LF	28	10%	31	\$ 8.56	\$ 7.52	\$ 16.08	\$ 500.39
	Cold Water Pipe Fittings								
	Elbow								
2	1" Dia Cold Water Pipe 90 Deg Elbow	EA	2	0%	2	\$ 20.40	\$ 9.00	\$ 29.40	\$ 58.80
3	1" Dia Cold Water Pipe 45 Deg Elbow	EA	2	0%	2	\$ 20.90	\$ 8.76	\$ 29.66	\$ 59.32
	Cold Water Pipe								
	Type "L" Hard Drawn Copper Pipe, Joints: Sweat Type Using 95.5 (Tin-Antimony)								
4	1/2" Dia Cold Water Pipe	LF	4577	10%	5035	\$ 2.18	\$ 2.57	\$ 4.75	\$ 23,914.83
5	3/4" Dia Cold Water Pipe	LF	378	10%	415	\$ 2.63	\$ 3.85	\$ 6.48	\$ 2,691.82
6	1" Dia Cold Water Pipe	LF	717	10%	789	\$ 2.56	\$ 5.78	\$ 8.34	\$ 6,580.79
7	1-1/4" Dia Cold Water Pipe	LF	82	10%	90	\$ 3.04	\$ 7.94	\$ 10.98	\$ 989.79
8	1-1/2" Dia Cold Water Pipe	LF	45	10%	49	\$ 3.40	\$ 8.50	\$ 11.90	\$ 583.29
9	2" Dia Cold Water Pipe	LF	69	10%	76	\$ 4.80	\$ 16.90	\$ 21.70	\$ 1,642.26
10	2-1/2" Dia Cold Water Pipe	LF	57	10%	63	\$ 5.90	\$ 17.08	\$ 22.98	\$ 1,442.62
11	3" Dia Cold Water Pipe	LF	6	10%	6	\$ 6.04	\$ 18.50	\$ 24.54	\$ 154.95
	Insulation								
	1" Thick, Closed Cell, Elastomeric, Tubular Pipe Insulation (Thickness Assumed)								
12	1/2" Dia Cold Water Pipe	LF	4577	10%	5035	\$ 1.13	\$ 1.91	\$ 3.04	\$ 15,305.49
13	3/4" Dia Cold Water Pipe	LF	378	10%	415	\$ 1.80	\$ 2.88	\$ 4.68	\$ 1,944.09
14	1" Dia Cold Water Pipe	LF	717	10%	789	\$ 2.38	\$ 3.73	\$ 6.11	\$ 4,821.17
15	1-1/4" Dia Cold Water Pipe	LF	82	10%	90	\$ 2.83	\$ 4.33	\$ 7.16	\$ 645.44
16	1-1/2" Dia Cold Water Pipe	LF	45	10%	49	\$ 3.14	\$ 4.58	\$ 7.72	\$ 378.40
17	2" Dia Cold Water Pipe	LF	69	10%	76	\$ 4.05	\$ 5.68	\$ 9.73	\$ 736.37
18	2-1/2" Dia Cold Water Pipe	LF	57	10%	63	\$ 5.60	\$ 6.78	\$ 12.38	\$ 777.18
19	3" Dia Cold Water Pipe	LF	6	10%	6	\$ 6.05	\$ 7.06	\$ 13.11	\$ 82.78
	Cold Water Pipe Fittings								

SR #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
	Elbow								
20	1/2" Dia Cold Water Pipe 90 Deg Elbow	EA	705	0%	705	\$ 9.42	\$ 0.57	\$ 9.99	\$ 7,042.95
21	3/4" Dia Cold Water Pipe 90 Deg Elbow	EA	27	0%	27	\$ 11.30	\$ 1.05	\$ 12.35	\$ 333.45
22	1" Dia Cold Water Pipe 90 Deg Elbow	EA	22	0%	22	\$ 12.09	\$ 2.24	\$ 14.33	\$ 315.26
23	1-1/4" Dia Cold Water Pipe 90 Deg Elbow	EA	3	0%	3	\$ 13.81	\$ 3.38	\$ 17.19	\$ 51.57
24	1-1/2" Dia Cold Water Pipe 90 Deg Elbow	EA	2	0%	2	\$ 15.70	\$ 5.26	\$ 20.96	\$ 41.92
25	2-1/2" Dia Cold Water Pipe 90 Deg Elbow	EA	2	0%	2	\$ 18.92	\$ 10.52	\$ 29.44	\$ 58.88
26	1/2" Dia Cold Water Pipe 45 Deg Elbow	EA	1	0%	1	\$ 9.42	\$ 0.53	\$ 9.95	\$ 9.95
	Tee								
27	1/2" Dia Cold Water Pipe Tee	EA	95	0%	95	\$ 10.04	\$ 0.65	\$ 10.69	\$ 1,015.55
28	3/4" Dia Cold Water Pipe Tee	EA	2	0%	2	\$ 14.62	\$ 1.62	\$ 16.24	\$ 32.48
29	1" Dia Cold Water Pipe Tee	EA	6	0%	6	\$ 11.85	\$ 14.50	\$ 26.35	\$ 158.10
30	1-1/4" Dia Cold Water Pipe Tee	EA	2	0%	2	\$ 14.45	\$ 7.02	\$ 21.47	\$ 42.94
31	2-1/2" Dia Cold Water Pipe Tee	EA	1	0%	1	\$ 18.98	\$ 11.87	\$ 30.85	\$ 30.85
32	3/4" / 1/2" Dia Cold Water Pipe Tee	EA	78	0%	78	\$ 14.45	\$ 1.62	\$ 16.07	\$ 1,253.46
33	1" / 1/2" Dia Cold Water Pipe Tee	EA	10	0%	10	\$ 14.45	\$ 9.80	\$ 24.25	\$ 242.50
34	1" / 3/4" Dia Cold Water Pipe Tee	EA	5	0%	5	\$ 15.45	\$ 6.90	\$ 22.35	\$ 111.75
35	1-1/4" / 1" Dia Cold Water Pipe Tee	EA	1	0%	1	\$ 15.45	\$ 7.80	\$ 23.25	\$ 23.25
36	1-1/4" / 1-1/2" Dia Cold Water Pipe Tee	EA	3	0%	3	\$ 14.45	\$ 8.06	\$ 22.51	\$ 67.53
37	1-1/2" / 1" Dia Cold Water Pipe Tee	EA	5	0%	5	\$ 14.45	\$ 7.20	\$ 21.65	\$ 108.25
38	2" / 1" Dia Cold Water Pipe Tee	EA	6	0%	6	\$ 14.45	\$ 11.95	\$ 26.40	\$ 158.40
39	2-1/2" / 1/2" Dia Cold Water Pipe Tee	EA	2	0%	2	\$ 14.45	\$ 12.87	\$ 27.32	\$ 54.64
40	2-1/2" / 3/4" Dia Cold Water Pipe Tee	EA	1	0%	1	\$ 16.48	\$ 12.90	\$ 29.38	\$ 29.38
41	2-1/2" / 1" Dia Cold Water Pipe Tee	EA	2	0%	2	\$ 16.48	\$ 11.90	\$ 28.38	\$ 56.76
42	2-1/2" / 1-1/4" Dia Cold Water Pipe Tee	EA	1	0%	1	\$ 16.48	\$ 12.05	\$ 28.53	\$ 28.53
43	2-1/2" / 1-1/2" Dia Cold Water Pipe Tee	EA	1	0%	1	\$ 16.48	\$ 12.17	\$ 28.65	\$ 28.65
	Reducer								
44	3/4" / 1/2" Dia Cold Water Pipe Reducer	EA	2	0%	2	\$ 11.83	\$ 1.12	\$ 12.95	\$ 25.90
45	1" / 1/2" Dia Cold Water Pipe Reducer	EA	3	0%	3	\$ 17.50	\$ 11.03	\$ 28.53	\$ 85.59
46	1" / 3/4" Dia Cold Water Pipe Reducer	EA	16	0%	16	\$ 16.43	\$ 12.20	\$ 28.63	\$ 458.08
47	1-1/4" / 1" Dia Cold Water Pipe Reducer	EA	1	0%	1	\$ 14.45	\$ 5.73	\$ 20.18	\$ 20.18
48	1-1/4" / 3/4" Dia Cold Water Pipe Reducer	EA	1	0%	1	\$ 14.22	\$ 6.40	\$ 20.62	\$ 20.62
49	2-1/2" / 1-1/2" Dia Cold Water Pipe Reducer	EA	1	0%	1	\$ 18.40	\$ 12.05	\$ 30.45	\$ 30.45
50	2-1/2" / 2" Dia Cold Water Pipe Reducer	EA	1	0%	1	\$ 20.20	\$ 13.40	\$ 33.60	\$ 33.60
	Hot Water Pipe								
	Type "L" Hard Drawn Copper Pipe, Joints: Sweat Type Using 95-5 (Tin-Antimony)								
51	1/2" Dia Hot Water Pipe	LF	3555	10%	3911	\$ 2.18	\$ 2.57	\$ 4.75	\$ 23,914.83
52	3/4" Dia Hot Water Pipe	LF	332	10%	365	\$ 2.63	\$ 3.85	\$ 6.48	\$ 2,691.82
53	1" Dia Hot Water Pipe	LF	315	10%	347	\$ 2.56	\$ 5.78	\$ 8.34	\$ 6,580.79
54	1-1/4" Dia Hot Water Pipe	LF	116	10%	128	\$ 3.04	\$ 7.94	\$ 10.98	\$ 989.79

SR #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
55	1-1/2" Dia Hot Water Pipe	LF	82	10%	90	\$ 3.40	\$ 8.50	\$ 11.90	\$ 583.29
56	2" Dia Hot Water Pipe	LF	93	10%	103	\$ 4.80	\$ 16.90	\$ 21.70	\$ 1,642.26
57	2-1/2" Dia Hot Water Pipe	LF	90	10%	100	\$ 5.90	\$ 17.08	\$ 22.98	\$ 1,442.62

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	Insulation								
	1" Thick, Closed Cell, Elastomeric, Tubular Pipe Insulation (Thickness Assumed)								
58	3/4" Dia Hot Water Pipe	LF	332	10%	365	\$ 1.80	\$ 2.88	\$ 4.68	\$ 1,709.34
59	1" Dia Hot Water Pipe	LF	315	10%	347	\$ 2.38	\$ 3.73	\$ 6.11	\$ 2,119.60
60	1-1/4" Dia Hot Water Pipe	LF	116	10%	128	\$ 2.83	\$ 4.33	\$ 7.16	\$ 914.25
61	1-1/2" Dia Hot Water Pipe	LF	82	10%	90	\$ 3.14	\$ 4.58	\$ 7.72	\$ 693.97
62	2" Dia Hot Water Pipe	LF	93	10%	103	\$ 4.05	\$ 5.68	\$ 9.73	\$ 1,000.41
63	2-1/2" Dia Hot Water Pipe	LF	90	10%	100	\$ 5.60	\$ 6.78	\$ 12.38	\$ 1,232.02
	Hot Water Pipe Fittings								
	Elbow								
64	1/2" Dia Hot Water Pipe 90 Deg Elbow	EA	519	0%	519	\$ 9.42	\$ 0.57	\$ 9.99	\$ 5,184.81
65	3/4" Dia Hot Water Pipe 90 Deg Elbow	EA	16	0%	16	\$ 11.30	\$ 1.05	\$ 12.35	\$ 197.60
66	1" Dia Hot Water Pipe 90 Deg Elbow	EA	4	0%	4	\$ 12.09	\$ 2.24	\$ 14.33	\$ 57.32
67	1-1/4" Dia Hot Water Pipe 90 Deg Elbow	EA	4	0%	4	\$ 13.81	\$ 3.38	\$ 17.19	\$ 68.76
68	2" Dia Hot Water Pipe 90 Deg Elbow	EA	4	0%	4	\$ 15.02	\$ 6.30	\$ 21.32	\$ 85.28
69	2-1/2" Dia Hot Water Pipe 90 Deg Elbow	EA	5	0%	5	\$ 15.70	\$ 5.26	\$ 20.96	\$ 104.80
70	1/2" Dia Hot Water Pipe 45 Deg Elbow	EA	1	0%	1	\$ 18.92	\$ 0.53	\$ 19.45	\$ 19.45
71	1" Dia Hot Water Pipe 45 Deg Elbow	EA	1	0%	1	\$ 9.42	\$ 1.75	\$ 11.17	\$ 11.17
	Tee								
72	1/2" Dia Hot Water Pipe Tee	EA	52	0%	52	\$ 10.04	\$ 0.65	\$ 10.69	\$ 555.88
73	3/4" Dia Hot Water Pipe Tee	EA	1	0%	1	\$ 14.62	\$ 1.62	\$ 16.24	\$ 16.24
74	1" Dia Hot Water Pipe Tee	EA	15	0%	15	\$ 11.85	\$ 14.50	\$ 26.35	\$ 395.25
75	2-1/2" Dia Hot Water Pipe Tee	EA	1	0%	1	\$ 18.98	\$ 11.87	\$ 30.85	\$ 30.85
76	3/4" / 1/2" Dia Hot Water Pipe Tee	EA	48	0%	48	\$ 14.45	\$ 1.62	\$ 16.07	\$ 771.36
77	1" / 1/2" Dia Hot Water Pipe Tee	EA	3	0%	3	\$ 19.71	\$ 9.80	\$ 29.51	\$ 88.53
78	1"/ 3/4" Dia Hot Water Pipe Tee	EA	1	0%	1	\$ 17.33	\$ 6.90	\$ 24.23	\$ 24.23
79	1-1/2" / 1" Dia Hot Water Pipe Tee	EA	6	0%	6	\$ 17.33	\$ 7.20	\$ 24.53	\$ 147.18
80	1-1/2" / 3/4" Dia Hot Water Pipe Tee	EA	1	0%	1	\$ 17.33	\$ 7.10	\$ 24.43	\$ 24.43
81	1-1/4" / 1-1/2" Dia Hot Water Pipe Tee	EA	3	0%	3	\$ 14.45	\$ 8.06	\$ 22.51	\$ 67.53
82	2" / 1" Dia Hot Water Pipe Tee	EA	6	0%	6	\$ 19.88	\$ 12.87	\$ 32.75	\$ 196.50
83	2-1/2" / 1" Dia Hot Water Pipe Tee	EA	2	0%	2	\$ 19.80	\$ 11.90	\$ 31.70	\$ 63.40
84	2-1/2" / 1-1/2" Dia Hot Water Pipe Tee	EA	1	0%	1	\$ 19.80	\$ 12.17	\$ 31.97	\$ 31.97
	Reducer								
85	3/4" / 1/2" Dia Hot Water Pipe Reducer	EA	3	0%	3	\$ 11.83	\$ 1.12	\$ 12.95	\$ 38.85
86	1-1/4" / 1/2" Dia Hot Water Pipe Reducer	EA	1	0%	1	\$ 14.22	\$ 6.40	\$ 20.62	\$ 20.62
87	1" / 3/4" Dia Hot Water Pipe Reducer	EA	27	0%	27	\$ 16.43	\$ 12.20	\$ 28.63	\$ 773.01
88	1-1/2" / 1" Dia Hot Water Pipe Reducer	EA	1	0%	1	\$ 17.50	\$ 11.03	\$ 28.53	\$ 28.53
89	1-1/2" / 2" Dia Hot Water Pipe Reducer	EA	1	0%	1	\$ 17.50	\$ 12.40	\$ 29.90	\$ 29.90
90	2-1/2" / 1-1/4" Dia Hot Water Pipe Reducer	EA	1	0%	1	\$ 18.40	\$ 12.05	\$ 30.45	\$ 30.45
91	2-1/2" / 1-1/2" Dia Hot Water Pipe Reducer	EA	1	0%	1	\$ 18.40	\$ 12.60	\$ 31.00	\$ 31.00

SR #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
92	2-1/2" / 2" Dia Hot Water Pipe Reducer	EA	2	0%	2	\$ 20.20	\$ 13.40	\$ 33.60	\$ 67.20

SR #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
	Hot Water Return Pipe								
	Type "L" Hard Drawn Copper Pipe, Joints: Sweat Type Using 95/5 (Tin-Antimony)								
93	1/2" Dia Hot Water Return Pipe	LF	114	10%	125	\$ 2.18	\$ 2.57	\$ 4.75	\$ 23,914.83
94	3/4" Dia Hot Water Return Pipe	LF	234	10%	257	\$ 2.63	\$ 3.85	\$ 6.48	\$ 2,691.82
	Insulation								
	1" Thick, Closed Cell, Elastomeric, Tubular Pipe Insulation (Thickness Assumed)								
95	1/2" Dia Hot Water Return Pipe	LF	114	10%	125	\$ 1.13	\$ 1.91	\$ 3.04	\$ 381.15
96	3/4" Dia Hot Water Return Pipe	LF	234	10%	257	\$ 1.80	\$ 2.88	\$ 4.68	\$ 1,203.35
	Hot Water Return Pipe Fittings								
	Elbow								
97	1/2" Dia Hot Water Return Pipe 90 Deg Elbow	EA	1	0%	1	\$ 9.42	\$ 0.57	\$ 9.99	\$ 9.99
98	3/4" Dia Hot Water Return Pipe 90 Deg Elbow	EA	11	0%	11	\$ 11.30	\$ 1.05	\$ 12.35	\$ 135.85
	Tee								
99	3/4" Dia Hot Water Return Pipe Tee	EA	1	0%	1	\$ 14.62	\$ 1.62	\$ 16.24	\$ 16.24
100	2-1/2" / 3/4" Dia Hot Water Return Pipe Tee	EA	1	0%	1	\$ 17.33	\$ 7.10	\$ 24.43	\$ 24.43
	Gas Pipe Underground								
	Sch 40 Black Steel Pipe & Fittings (Assumed)								
101	1" Dia Gas Pipe W/ Vented Sleeve	LF	34	10%	37	\$ 4.20	\$ 8.20	\$ 12.40	\$ 460.62
102	3" Dia Gas Pipe	LF	21	10%	23	\$ 6.11	\$ 10.56	\$ 16.67	\$ 379.39
	Gas Pipe Fittings								
	Elbow								
103	1" Dia Gas Pipe 90 Deg Elbow	EA	2	0%	2	\$ 13.10	\$ 5.67	\$ 18.77	\$ 37.54
104	3" Dia Gas Pipe 90 Deg Elbow	EA	1	0%	1	\$ 13.50	\$ 7.52	\$ 21.02	\$ 21.02
	Tee								
105	1" Dia Gas Pipe Tee	EA	1	0%	1	\$ 14.45	\$ 17.72	\$ 32.17	\$ 32.17
106	3" / 2-1/2" Dia Gas Pipe Tee	EA	1	0%	1	\$ 17.10	\$ 32.40	\$ 49.50	\$ 49.50
	Gas Pipe								
	Sch 40 Black Steel Pipe & Fittings (Assumed)								
107	1" Dia Gas Pipe	LF	120	10%	132	\$ 4.03	\$ 8.02	\$ 12.05	\$ 1,586.76
108	1-1/4" Dia Gas Pipe	LF	93	10%	102	\$ 4.60	\$ 8.90	\$ 13.50	\$ 1,374.52
109	2" Dia Gas Pipe	LF	87	10%	96	\$ 5.40	\$ 10.50	\$ 15.90	\$ 1,519.88
110	2-1/2" Dia Gas Pipe	LF	12	10%	13	\$ 5.80	\$ 11.60	\$ 17.40	\$ 229.87
111	3" Dia Gas Pipe	LF	10	10%	11	\$ 6.11	\$ 10.56	\$ 16.67	\$ 185.94

SR #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
	Gas Pipe Fittings								
	Elbow								
112	1" Dia Gas Pipe 90 Deg Elbow	EA	7	0%	7	\$ 13.10	\$ 5.67	\$ 18.77	\$ 131.39
113	1-1/4" Dia Gas Pipe 90 Deg Elbow	EA	4	0%	4	\$ 13.10	\$ 6.70	\$ 19.80	\$ 79.20
114	2" Dia Gas Pipe 90 Deg Elbow	EA	6	0%	6	\$ 14.60	\$ 7.24	\$ 21.84	\$ 131.04
115	2-1/2" Dia Gas Pipe 90 Deg Elbow	EA	2	0%	2	\$ 14.60	\$ 7.48	\$ 22.08	\$ 44.16
	Tee								
116	2" Dia Gas Pipe Tee	EA	3	0%	3	\$ 14.67	\$ 28.60	\$ 43.27	\$ 129.81
117	3" Dia Gas Pipe Tee	EA	1	0%	1	\$ 14.98	\$ 31.97	\$ 46.95	\$ 46.95
118	1-1/4" / 1" Dia Gas Pipe Tee	EA	1	0%	1	\$ 13.96	\$ 22.78	\$ 36.74	\$ 36.74
119	2" / 1" Dia Gas Pipe Tee	EA	2	0%	2	\$ 14.67	\$ 28.96	\$ 43.63	\$ 87.26
	Reducer								
120	2-1/2" / 1-1/4" Dia Gas Pipe Reducer	EA	1	0%	1	\$ 17.07	\$ 13.95	\$ 31.02	\$ 31.02
121	2-1/2" / 2" Dia Gas Pipe Reducer	EA	1	0%	1	\$ 17.07	\$ 14.35	\$ 31.42	\$ 31.42
122	3" / 1-1/4" Dia Gas Pipe Reducer	EA	1	0%	1	\$ 18.67	\$ 15.63	\$ 34.30	\$ 34.30
123	3" / 2-1/2" Dia Gas Pipe Reducer	EA	1	0%	1	\$ 18.67	\$ 15.63	\$ 33.86	\$ 33.86
	Storm Drain Pipe Underground								
	Sch 40 Pvc-Dwv Plastic Pipe & Fittings With Solvent Weld Joints								
124	3" Dia Storm Drain Pipe	LF	23	10%	25	\$ 5.26	\$ 6.83	\$ 12.09	\$ 302.95
125	4" Dia Storm Drain Pipe	LF	43	10%	47	\$ 7.88	\$ 9.88	\$ 17.76	\$ 840.44
126	6" Dia Storm Drain Pipe	LF	236	10%	260	\$ 9.85	\$ 12.65	\$ 22.50	\$ 5,840.26
	Storm Drain Pipe Fittings								
	Elbow								
127	3" Dia Storm Drain Pipe 90 Deg Elbow	EA	5	0%	5	\$ 14.60	\$ 16.05	\$ 30.65	\$ 153.25
128	4" Dia Storm Drain Pipe 90 Deg Elbow	EA	1	0%	1	\$ 15.24	\$ 27.55	\$ 42.79	\$ 42.79
129	6" Dia Storm Drain Pipe 90 Deg Elbow	EA	7	0%	7	\$ 18.42	\$ 38.32	\$ 56.74	\$ 397.18
130	3" Dia Storm Drain Pipe 45 Deg Elbow	EA	6	0%	6	\$ 14.60	\$ 15.76	\$ 30.36	\$ 182.16
131	6" Dia Storm Drain Pipe 45 Deg Elbow	EA	3	0%	3	\$ 18.42	\$ 37.84	\$ 56.26	\$ 168.78
	Wye								
132	6" Dia Storm Drain Pipe Wye	EA	5	0%	5	\$ 40.23	\$ 52.62	\$ 92.85	\$ 464.25
133	4" / 3" Dia Storm Drain Pipe Wye	EA	3	0%	3	\$ 36.24	\$ 48.66	\$ 84.90	\$ 254.70
134	6" / 3" Dia Storm Drain Pipe Wye	EA	2	0%	2	\$ 40.23	\$ 53.42	\$ 93.65	\$ 187.30
	Storm Drain Pipe								
	Sch 40 Pvc-Dwv Plastic Pipe & Fittings With Solvent Weld Joints								
135	3" Dia Storm Drain Pipe	LF	210	10%	231	\$ 5.26	\$ 6.83	\$ 12.09	\$ 2,797.84
136	4" Dia Storm Drain Pipe	LF	5	10%	5	\$ 7.88	\$ 9.88	\$ 17.76	\$ 95.73
137	6" Dia Storm Drain Pipe	LF	256	10%	282	\$ 9.85	\$ 12.65	\$ 22.50	\$ 6,341.69
	Storm Drain Pipe Fittings								

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	Elbow								
138	3" Dia Storm Drain Pipe 90 Deg Elbow	EA	15	0%	15	\$ 32.85	\$ 16.05	\$ 48.90	\$ 733.50
139	4" Dia Storm Drain Pipe 90 Deg Elbow	EA	2	0%	2	\$ 42.71	\$ 27.55	\$ 70.26	\$ 140.52
140	6" Dia Storm Drain Pipe 90 Deg Elbow	EA	12	0%	12	\$ 50.64	\$ 38.32	\$ 88.96	\$ 1,067.52
141	3" Dia Storm Drain Pipe 45 Deg Elbow	EA	10	0%	10	\$ 31.56	\$ 14.02	\$ 45.58	\$ 455.80
	Wye								
142	3" Dia Storm Drain Pipe Wye	EA	5	0%	5	\$ 36.24	\$ 45.53	\$ 81.77	\$ 408.85
143	6" Dia Storm Drain Pipe Wye	EA	3	0%	3	\$ 40.23	\$ 52.62	\$ 92.85	\$ 278.55
144	3" / 1-1/2" Dia Storm Drain Pipe Wye	EA	1	0%	1	\$ 36.24	\$ 46.64	\$ 82.88	\$ 82.88
	Reducer								
145	3" / 1-1/2" Dia Storm Drain Pipe Reducer	EA	5	0%	5	\$ 36.14	\$ 36.15	\$ 72.29	\$ 361.45
146	6" / 4" Dia Storm Drain Pipe Reducer	EA	1	0%	1	\$ 45.62	\$ 52.46	\$ 98.08	\$ 98.08
	Sanitary Sewer Pipe Underground								
	Sch 40 Pvc-Dwv Plastic Pipe & Fittings With Solvent Weld Joints								
147	1-1/2" Dia Sanitary Sewer Pipe	LF	137	10%	151	\$ 3.29	\$ 2.80	\$ 6.09	\$ 920.38
148	2" Dia Sanitary Sewer Pipe	LF	307	10%	338	\$ 3.38	\$ 3.75	\$ 7.13	\$ 2,410.31
149	3" Dia Sanitary Sewer Pipe	LF	349	10%	384	\$ 5.26	\$ 6.83	\$ 12.09	\$ 2,797.84
150	4" Dia Sanitary Sewer Pipe	LF	243	10%	267	\$ 7.88	\$ 9.88	\$ 17.76	\$ 95.73
151	6" Dia Sanitary Sewer Pipe	LF	190	10%	209	\$ 9.85	\$ 12.65	\$ 22.50	\$ 6,341.69
	Sanitary Sewer Pipe Fittings								
	Elbow								
152	1-1/2" Dia Sanitary Sewer Pipe 90 Deg Elbow	EA	9	0%	9	\$ 23.65	\$ 4.73	\$ 28.38	\$ 255.42
153	2" Dia Sanitary Sewer Pipe 90 Deg Elbow	EA	16	0%	16	\$ 27.59	\$ 5.92	\$ 33.51	\$ 536.16
154	3" Dia Sanitary Sewer Pipe 90 Deg Elbow	EA	23	0%	23	\$ 32.85	\$ 16.05	\$ 48.90	\$ 1,124.70
155	4" Dia Sanitary Sewer Pipe 90 Deg Elbow	EA	9	0%	9	\$ 42.71	\$ 27.55	\$ 70.26	\$ 632.34
156	6" Dia Sanitary Sewer Pipe 90 Deg Elbow	EA	1	0%	1	\$ 50.64	\$ 38.32	\$ 88.96	\$ 88.96
157	1-1/2" Dia Sanitary Sewer Pipe 45 Deg Elbow	EA	13	0%	13	\$ 23.00	\$ 4.65	\$ 27.65	\$ 359.45
158	2" Dia Sanitary Sewer Pipe 45 Deg Elbow	EA	17	0%	17	\$ 26.28	\$ 5.21	\$ 31.49	\$ 535.33
159	3" Dia Sanitary Sewer Pipe 45 Deg Elbow	EA	39	0%	39	\$ 31.56	\$ 14.02	\$ 45.58	\$ 1,777.62
160	4" Dia Sanitary Sewer Pipe 45 Deg Elbow	EA	21	0%	21	\$ 39.42	\$ 24.92	\$ 64.34	\$ 1,351.14
	Wye								
161	1-1/2" Dia Sanitary Sewer Pipe Wye	EA	3	0%	3	\$ 39.42	\$ 11.32	\$ 50.74	\$ 152.22
162	2" Dia Sanitary Sewer Pipe Wye	EA	12	0%	12	\$ 45.99	\$ 12.47	\$ 58.46	\$ 701.52
163	3" Dia Sanitary Sewer Pipe Wye	EA	32	0%	32	\$ 53.87	\$ 26.12	\$ 79.99	\$ 2,559.68
164	4" Dia Sanitary Sewer Pipe Wye	EA	8	0%	8	\$ 62.42	\$ 47.15	\$ 109.57	\$ 876.52
165	6" Dia Sanitary Sewer Pipe Wye	EA	1	0%	1	\$ 72.24	\$ 52.62	\$ 124.86	\$ 124.86
166	1-1/2" / 1-1/4" Dia Sanitary Sewer Pipe Wye	EA	8	0%	8	\$ 54.23	\$ 23.49	\$ 77.72	\$ 621.76
167	2" / 1-1/2" Dia Sanitary Sewer Pipe Wye	EA	4	0%	4	\$ 55.21	\$ 39.54	\$ 94.75	\$ 379.00
168	3" / 1-1/2" Dia Sanitary Sewer Pipe Wye	EA	4	0%	4	\$ 56.87	\$ 40.23	\$ 97.10	\$ 388.40
169	3" / 2" Dia Sanitary Sewer Pipe Wye	EA	12	0%	12	\$ 57.23	\$ 42.35	\$ 99.58	\$ 1,194.96

SR #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
170	4" / 1-1/2" Dia Sanitary Sewer Pipe Wye	EA	8	0%	8	\$ 59.42	\$ 56.42	\$ 115.84	\$ 926.72
171	4" / 2" Dia Sanitary Sewer Pipe Wye	EA	7	0%	7	\$ 61.41	\$ 57.40	\$ 118.81	\$ 831.67
172	4" / 3" Dia Sanitary Sewer Pipe Wye	EA	10	0%	10	\$ 65.70	\$ 59.75	\$ 125.45	\$ 1,254.50

SR #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
173	6" / 2" Dia Sanitary Sewer Pipe Wye	EA	1	0%	1	\$ 67.35	\$ 65.45	\$ 132.80	\$ 132.80
174	6" / 3" Dia Sanitary Sewer Pipe Wye	EA	7	0%	7	\$ 69.25	\$ 69.25	\$ 138.50	\$ 969.50
175	6" / 4" Dia Sanitary Sewer Pipe Wye	EA	15	0%	15	\$ 73.45	\$ 75.41	\$ 148.86	\$ 2,232.90
	Reducer								
176	1-1/2" / 1-1/4" Dia Sanitary Sewer Pipe Reducer	EA	4	0%	4	\$ 28.36	\$ 29.56	\$ 57.92	\$ 231.68
177	2" / 1-1/4" Dia Sanitary Sewer Pipe Reducer	EA	3	0%	3	\$ 30.95	\$ 32.16	\$ 63.11	\$ 189.33
178	2" / 1-1/2" Dia Sanitary Sewer Pipe Reducer	EA	3	0%	3	\$ 32.15	\$ 34.25	\$ 66.40	\$ 199.20
179	3" / 1-1/4" Dia Sanitary Sewer Pipe Reducer	EA	1	0%	1	\$ 36.14	\$ 36.15	\$ 72.29	\$ 72.29
180	3" / 2" Dia Sanitary Sewer Pipe Reducer	EA	7	0%	7	\$ 37.21	\$ 38.54	\$ 75.75	\$ 530.25
181	4" / 2" Dia Sanitary Sewer Pipe Reducer	EA	7	0%	7	\$ 47.62	\$ 47.23	\$ 94.85	\$ 663.95
182	4" / 3" Dia Sanitary Sewer Pipe Reducer	EA	3	0%	3	\$ 52.16	\$ 51.24	\$ 103.40	\$ 310.20
	Sanitary Sewer Pipe								
	Sch 40 Pvc-Dwv Plastic Pipe & Fittings With Solvent Weld Joints								
183	1-1/2" Dia Sanitary Sewer Pipe	LF	905	10%	996	\$ 3.29	\$ 2.80	\$ 6.09	\$ 6,062.60
184	2" Dia Sanitary Sewer Pipe	LF	1339	10%	1473	\$ 3.38	\$ 3.75	\$ 7.13	\$ 10,500.13
185	3" Dia Sanitary Sewer Pipe	LF	689	10%	758	\$ 5.26	\$ 6.83	\$ 12.09	\$ 9,163.01
186	4" Dia Sanitary Sewer Pipe	LF	554	10%	609	\$ 7.88	\$ 9.88	\$ 17.76	\$ 10,813.37
	Sanitary Sewer Pipe Fittings								
	Elbow								
187	1-1/2" Dia Sanitary Sewer Pipe 90 Deg Elbow	EA	79	0%	79	\$ 23.65	\$ 4.73	\$ 28.38	\$ 2,242.02
188	2" Dia Sanitary Sewer Pipe 90 Deg Elbow	EA	35	0%	35	\$ 27.59	\$ 5.92	\$ 33.51	\$ 1,172.85
189	3" Dia Sanitary Sewer Pipe 90 Deg Elbow	EA	75	0%	75	\$ 32.85	\$ 16.05	\$ 48.90	\$ 3,667.50
190	4" Dia Sanitary Sewer Pipe 90 Deg Elbow	EA	3	0%	3	\$ 42.71	\$ 27.55	\$ 70.26	\$ 210.78
191	1-1/2" Dia Sanitary Sewer Pipe 45 Deg Elbow	EA	77	0%	77	\$ 23.00	\$ 4.65	\$ 27.65	\$ 2,129.05
192	2" Dia Sanitary Sewer Pipe 45 Deg Elbow	EA	126	0%	126	\$ 26.28	\$ 5.21	\$ 31.49	\$ 3,967.74
193	3" Dia Sanitary Sewer Pipe 45 Deg Elbow	EA	64	0%	64	\$ 31.56	\$ 14.02	\$ 45.58	\$ 2,917.12
	Wye								
194	1-1/2" Dia Sanitary Sewer Pipe Wye	EA	3	0%	3	\$ 39.42	\$ 11.32	\$ 50.74	\$ 152.22
195	2" Dia Sanitary Sewer Pipe Wye	EA	71	0%	71	\$ 45.99	\$ 12.47	\$ 58.46	\$ 4,150.66
196	3" Dia Sanitary Sewer Pipe Wye	EA	32	0%	32	\$ 53.87	\$ 26.12	\$ 79.99	\$ 2,559.68
197	1-1/2" / 1-1/4" Dia Sanitary Sewer Pipe Wye	EA	69	0%	69	\$ 54.23	\$ 23.49	\$ 77.72	\$ 5,362.68
198	3" / 1-1/2" Dia Sanitary Sewer Pipe Wye	EA	1	0%	1	\$ 56.87	\$ 40.23	\$ 97.10	\$ 97.10
199	3" / 2" Dia Sanitary Sewer Pipe Wye	EA	71	0%	71	\$ 57.23	\$ 42.35	\$ 99.58	\$ 7,070.18
200	4" / 1-1/2" Dia Sanitary Sewer Pipe Wye	EA	66	0%	66	\$ 59.42	\$ 56.42	\$ 115.84	\$ 7,645.44
201	4" / 3" Dia Sanitary Sewer Pipe Wye	EA	42	0%	42	\$ 65.70	\$ 59.75	\$ 125.45	\$ 5,268.90
	Reducer								
202	2" / 1-1/2" Dia Sanitary Sewer Pipe Reducer	EA	3	0%	3	\$ 32.15	\$ 34.25	\$ 66.40	\$ 199.20
203	3" / 2" Dia Sanitary Sewer Pipe Reducer	EA	3	0%	3	\$ 37.21	\$ 38.54	\$ 75.75	\$ 227.25
	Vent Pipe								

SR #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
	Sch 40 Pvc-Dwv Plastic Pipe & Fittings With Solvent Weld Joints								
204	1-1/4" Dia Vent Pipe	LF	1284	10%	1412	\$ 3.29	\$ 2.67	\$ 5.96	\$ 8,415.48
205	1-1/2" Dia Vent Pipe	LF	51	10%	56	\$ 3.29	\$ 2.80	\$ 6.09	\$ 340.11

SR #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
206	2" Dia Vent Pipe	LF	1653	10%	1819	\$ 3.94	\$ 3.75	\$ 7.69	\$ 13,985.01
207	3" Dia Vent Pipe	LF	571	10%	629	\$ 5.26	\$ 6.83	\$ 12.09	\$ 7,598.92
	Vent Pipe Fittings								
	Elbow								
208	1-1/4" Dia Vent Pipe 90 Deg Elbow	EA	89	0%	89	\$ 23.65	\$ 4.26	\$ 27.91	\$ 2,483.99
209	1-1/2" Dia Vent Pipe 90 Deg Elbow	EA	4	0%	4	\$ 23.65	\$ 4.73	\$ 28.38	\$ 113.52
210	2" Dia Vent Pipe 90 Deg Elbow	EA	21	0%	21	\$ 27.54	\$ 5.92	\$ 33.46	\$ 702.66
211	1-1/4" Dia Vent Pipe 45 Deg Elbow	EA	184	0%	184	\$ 24.56	\$ 4.16	\$ 28.72	\$ 5,284.48
212	1-1/2" Dia Vent Pipe 45 Deg Elbow	EA	4	0%	4	\$ 24.56	\$ 4.43	\$ 28.99	\$ 115.96
213	2" Dia Vent Pipe 45 Deg Elbow	EA	138	0%	138	\$ 28.86	\$ 5.21	\$ 34.07	\$ 4,701.66
	Tee								
214	1-1/4" Dia Vent Pipe Tee	EA	1	0%	1	\$ 25.64	\$ 4.90	\$ 30.54	\$ 30.54
215	1-1/2" Dia Vent Pipe Tee	EA	1	0%	1	\$ 25.64	\$ 4.96	\$ 30.60	\$ 30.60
216	2" Dia Vent Pipe Tee	EA	66	0%	66	\$ 27.59	\$ 5.17	\$ 32.76	\$ 2,162.16
217	2" / 1-1/4" Dia Vent Pipe Tee	EA	11	0%	11	\$ 27.86	\$ 6.02	\$ 33.88	\$ 372.68
218	2" / 1-1/2" Dia Vent Pipe Tee	EA	2	0%	2	\$ 27.86	\$ 6.09	\$ 33.95	\$ 67.90
219	3" / 1-1/4" Dia Vent Pipe Tee	EA	2	0%	2	\$ 29.57	\$ 12.54	\$ 42.11	\$ 84.21
220	3" / 2" Dia Vent Pipe Tee	EA	77	0%	77	\$ 29.57	\$ 12.67	\$ 42.24	\$ 3,252.48
	Reducer								
221	1-1/2" / 1-1/4" Dia Vent Pipe Reducer	EA	2	0%	2	\$ 28.36	\$ 29.56	\$ 57.92	\$ 115.84
222	2" / 1-1/4" Dia Vent Pipe Reducer	EA	76	0%	76	\$ 32.45	\$ 33.54	\$ 65.99	\$ 5,015.24
223	2" / 1-1/2" Dia Vent Pipe Reducer	EA	2	0%	2	\$ 32.15	\$ 34.25	\$ 66.40	\$ 132.80
224	3" / 2" Dia Vent Pipe Reducer	EA	2	0%	2	\$ 37.21	\$ 38.54	\$ 75.75	\$ 151.50
	Grease Laden Waste Pipe Underground								
	Sch 40 Pvc-Dwv Plastic Pipe & Fittings With Solvent Weld Joints								
225	1-1/2" Dia Grease Laden Waste Pipe	LF	5	10%	6	\$ 3.78	\$ 3.25	\$ 7.03	\$ 38.67
226	2" Dia Grease Laden Waste Pipe	LF	22	10%	24	\$ 3.94	\$ 3.75	\$ 7.69	\$ 183.98
227	3" Dia Grease Laden Waste Pipe	LF	32	10%	35	\$ 5.26	\$ 5.84	\$ 11.10	\$ 388.16
	Grease Laden Waste Pipe Fittings								
	Elbow								
228	2" Dia Grease Laden Waste Pipe 90 Deg Elbow	EA	2	0%	2	\$ 27.59	\$ 5.92	\$ 33.51	\$ 67.02
229	3" Dia Grease Laden Waste Pipe 90 Deg Elbow	EA	3	0%	3	\$ 32.85	\$ 16.05	\$ 48.90	\$ 146.70
230	1-1/2" Dia Grease Laden Waste Pipe 45 Deg Elbow	EA	1	0%	1	\$ 26.45	\$ 4.98	\$ 31.43	\$ 31.43
231	2" Dia Grease Laden Waste Pipe 45 Deg Elbow	EA	2	0%	2	\$ 26.28	\$ 5.21	\$ 31.49	\$ 62.98
232	3" Dia Grease Laden Waste Pipe 45 Deg Elbow	EA	1	0%	1	\$ 31.54	\$ 14.02	\$ 45.56	\$ 45.56
	Wye								
233	3" Dia Grease Laden Waste Pipe Wye	EA	3	0%	3	\$ 51.03	\$ 14.56	\$ 65.59	\$ 196.77
234	2" / 1-1/2" Dia Grease Laden Waste Pipe Wye	EA	2	0%	2	\$ 49.87	\$ 25.47	\$ 75.34	\$ 150.68
235	3" / 2" Dia Grease Laden Waste Pipe Wye	EA	2	0%	2	\$ 53.87	\$ 26.12	\$ 79.99	\$ 159.98
	Reducer								

SR #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
236	2" / 1-1/4" Dia Grease Laden Waste Pipe Reducer	EA	2	0%	2	\$ 31.54	\$ 12.14	\$ 43.68	\$ 87.36
	Flue Vent Pipe								
	Sch 40 Pvc-Dwv Plastic Pipe & Fittings With Solvent Weld Joints								
237	4" Dia Flue Vent Pipe	LF	85	10%	94	\$ 7.88	\$ 9.88	\$ 17.76	\$ 1,664.27
	Flue Vent Pipe Fittings								
	Elbow								
238	4" Dia Flue Vent Pipe 45 Deg Elbow	EA	4	0%	4	\$ 39.42	\$ 24.92	\$ 64.34	\$ 257.36
	Intake Pipe								
	Sch 40 Pvc-Dwv Plastic Pipe & Fittings With Solvent Weld Joints								
239	3" Dia Air Intake Vent	LF	35	10%	38	\$ 5.26	\$ 5.84	\$ 11.10	\$ 426.86
	Intake Pipe Fittings								
	Elbow								
240	3" Dia Air Intake Vent 90 Deg Elbow	EA	4	0%	4	\$ 32.85	\$ 16.05	\$ 48.90	\$ 195.60
241	3" Dia Air Intake Vent 45 Deg Elbow	EA	4	0%	4	\$ 31.54	\$ 14.02	\$ 45.56	\$ 182.24
	Irrigation Pipe								
	Type "L" Hard Drawn Copper Pipe, Joints: Sweat Type Using 95 5 (Tin-Antimony)								
242	1-1/2" Dia Irrigation Pipe (Size Assumed)	LF	24	10%	26	\$ 3.29	\$ 4.58	\$ 7.87	\$ 206.99
	Irrigation Pipe Fittings								
	Elbow								
243	1-1/2" Dia Irrigation Pipe 90 Deg Elbow	EA	1	0%	1	\$ 23.65	\$ 4.73	\$ 28.38	\$ 28.38
	Condensate Drain Pipe								
	Sch 40 Pvc-Dwv Plastic Pipe & Fittings With Solvent Weld Joints (Assumed)								
244	1-1/2" Dia Condensate Drain Pipe	LF	1200	10%	1320	\$ 3.78	\$ 3.25	\$ 7.03	\$ 9,279.60
	Insulation								
	1" Thick, Closed Cell, Elastomeric, Tubular Pipe Insulation (Thickness Assumed)								
245	1-1/2" Dia Condensate Drain Pipe	LF	1200	10%	1320	\$ 3.14	\$ 4.58	\$ 7.72	\$ 10,190.40
	Condensate Drain Pipe Fittings								
	Elbow								
246	1-1/2" Dia Condensate Drain Pipe 90 Deg Elbow	EA	73	0%	73	\$ 23.65	\$ 4.73	\$ 28.38	\$ 2,071.74
247	1-1/2" Dia Condensate Drain Pipe 45 Deg Elbow	EA	7	0%	7	\$ 23.00	\$ 4.65	\$ 27.65	\$ 193.55
	Tee								
248	1-1/2" Dia Condensate Drain Pipe Tee	EA	8	0%	8	\$ 25.64	\$ 4.96	\$ 30.60	\$ 244.80
	Drain & Cleanouts								

SR #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
249	3" Dia Cl0-01, Clean Out (Floor), Zurn Industries Zn-1400-Nh. Description: Floor Cleanout With Carpet Clamping Frame Adjustable, Dura Coated Cast Iron Body, Gas & Liquid Tight Plug & Nickel Bronze Finish, Polished, Round Scoriated Top With Type NI Outlet	EA	1	0%	1	\$ 30.24	\$ 80.21	\$ 110.45	\$ 110.45
250	3" Dia Cl0-02, Clean Out (Wall), Zurn Industries, Z1441. Description: Wall Cleanout With Stainless Steel Cover Plate Tapped Full Size Plug.	EA	4	0%	4	\$ 40.85	\$ 75.15	\$ 116.00	\$ 464.00
251	3" Dia Clo-01, Clean Out (Floor), Zurn Industries Zn-1400-Nh. Description: Floor Cleanout With Carpet Clamping Frame Adjustable, Dura Coated Cast Iron Body, Gas & Liquid Tight Plug & Nickel Bronze Finish, Polished, Round Scoriated Top With Type NI Outlet	EA	1	0%	1	\$ 30.24	\$ 52.14	\$ 82.38	\$ 82.38
252	3" Dia Clo-02, Clean Out (Wall), Zurn Industries, Z1441. Description: Wall Cleanout With Stainless Steel Cover Plate Tapped Full Size Plug.	EA	1	0%	1	\$ 40.85	\$ 75.15	\$ 116.00	\$ 116.00
253	3" Dia Fld-01, Floor Drain, Zurn Industries Z-415B. Description: Dura-Coated Cast Iron Body, Bottom Outlet, Combination Invertible Membrane Clamp & Adjustable Collar, Polished Nickel Bronze, Type "B" Strainer, 3" Type NI Outlet, Provide With Deep Seal P-Trap.	EA	22	0%	22	\$ 30.24	\$ 54.64	\$ 84.88	\$ 1,867.36
254	4" Dia Cl0-01, Clean Out (Floor), Zurn Industries Zn-1400-Nh. Description: Floor Cleanout With Carpet Clamping Frame Adjustable, Dura Coated Cast Iron Body, Gas & Liquid Tight Plug & Nickel Bronze Finish, Polished, Round Scoriated Top With Type NI Outlet	EA	1	0%	1	\$ 30.24	\$ 51.42	\$ 81.66	\$ 81.66
255	4" Dia Clo-01, Clean Out (Floor), Zurn Industries Zn-1400-Nh. Description: Floor Cleanout With Carpet Clamping Frame Adjustable, Dura Coated Cast Iron Body, Gas & Liquid Tight Plug & Nickel Bronze Finish, Polished, Round Scoriated Top With Type NI Outlet	EA	1	0%	1	\$ 30.24	\$ 51.42	\$ 81.66	\$ 81.66
256	4" Dia Clo-02, Clean Out (Wall), Zurn Industries, Z1441. Description: Wall Cleanout With Stainless Steel Cover Plate Tapped Full Size Plug.	EA	3	0%	3	\$ 40.85	\$ 92.18	\$ 133.03	\$ 399.09

SR #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
257	4" Dia Rd-01, Roof Drain, Zurn Industries,Z-100 Description: Cast Iron Body W/ Adjustable Extension Sleeve, Polyethylene Dome, Combined Flashing Lamp And Gravel Stop.	EA	1	0%	1	\$ 30.24	\$ 82.46	\$ 112.70	\$ 112.70
258	6" Dia Cl0-01, Clean Out (Floor), Zurn Industries Zn-1400-Nh. Description: Floor Cleanout With Carpet Clamping Frame Adjustable, Dura Coated Cast Iron Body, Gas & Liquid Tight Plug & Nickel Bronze Finish, Polished, Round Scoriated Top With Type NI Outlet	EA	5	0%	5	\$ 30.24	\$ 80.16	\$ 110.40	\$ 552.00
259	6" Dia Cl0-02, Clean Out (Wall), Zurn Industries, Z1441. Description: Wall Cleanout With Stainless Steel Cover Plate Tapped Full Size Plug.	EA	3	0%	3	\$ 40.85	\$ 100.25	\$ 141.10	\$ 423.30
260	6" Dia Rd-01, Roof Drain, Zurn Industries,Z-100 Description: Cast Iron Body W/ Adjustable Extension Sleeve, Polyethylene Dome, Combined Flashing Lamp And Gravel Stop.	EA	4	0%	4	\$ 30.24	\$ 96.45	\$ 126.69	\$ 506.76
261	3" Dia Rd-01, Roof Drain, Zurn Industries,Z-100 Description: Cast Iron Body W/ Adjustable Extension Sleeve, Polyethylene Dome, Combined Flashing Lamp And Gravel Stop.	EA	4	0%	4	\$ 30.24	\$ 80.56	\$ 110.80	\$ 443.20
	Plumbing Fixtures								
262	Ews, Eye Wash, Haws Corp.7260Bt-7270B Description: Wall Mount-Safety Green, Abs, Eyewash Bowl, Stainless Steel Operating Control Connect 1/2" Cw As Required By Code. Portable Units Are Not Approved.	EA	5	0%	5	\$ 108.00	\$ 171.66	\$ 279.66	\$ 1,398.30
263	Fsk, Floor Sink, Zurn Industries Z-1900-K. Description: Acid Resisting Coated, 12-1/2" Square Nickel Bronze Top, With Deep Seal P-Trap.	EA	1	0%	1	\$ 151.24	\$ 90.30	\$ 241.54	\$ 241.54
264	Imc-01, Ice Maker Connection, Plastic Oddities,Ib-20 Description: Extend 1/4" Od Copper Tube Domestic Cold Water To Wall Outlet Utility Box At 42" Aff, Wall Frame Sc Connection Adapter Provided With Box, Mount Imf Filter On Wall, Provide Reduced Pressure Back Flow Preventer Equal To Wilkins #975X1 Sc Install In-Line Before Filter. Make Final Connection To Ice Maker (Furnished By Owner).	EA	4	0%	4	\$ 105.36	\$ 37.99	\$ 143.35	\$ 573.40

SR #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
265	Mop-01, Mop Sink, Fiatbproducts, A Crane Plumbing Company, Msbid2424—100 Description: Mop Service Basin - 1 Piece, Melded Stone Construction, Integrally Melded Centre Drain Ith Seal. Removable Stainless Steel Strainer. 24" X 10" / Floor Mounted.	EA	2	0%	2	\$ 180.00	\$ 247.19	\$ 427.19	\$ 854.38
266	Shr-24: Roll-In Shower W/ Pre-Manuf. Shower Base, Mincey Marble Manufacturing, Inc., Sp-3162-C/Sf Description: Cast Marble Roll-In Shower Base With Integral Fiberglass Flanges, W/ Slip Resistant Finish, Corner Drain (Coordinate Left Or Right) 62" (60" Clear) X 31" X 1-1/2"	EA	1	0%	1	\$ 105.46	\$ -	\$ 105.46	\$ 105.46
267	Shr-25, Shower, W/ Pre-Manuf. Shower Base, Mincey Marble Manufacturing, Inc., Sp-3660-Cd-If (L Or R) Description: "Mincey Classic" Cast Marble Shower Base With Integral Flanges, W/ Slip Resistant Finish, Corner Drain (Coordinate Left Or Right) 36" X 60"	EA	29	0%	29	\$ 105.46	\$ 399.99	\$ 505.45	\$ 14,658.05
268	Snk-03, Sink (Detail Not Given)	EA	2	0%	2	\$ 151.24	\$ 219.00	\$ 370.24	\$ 740.48
269	Snk-13, Sink, Elkay Manuf. Co., Lrad2521 X 5-1/2" Depth Description: 'Luster Tone Single Bowl Sink Bowl: 21" X 15-3/4" X 5-1/2" / Top Mount (Granite)	EA	2	0%	2	\$ 151.24	\$ 607.54	\$ 758.78	\$ 1,517.56
270	Snk-23, Sink (Detail Not Given)	EA	1	0%	1	\$ 151.24	\$ 219.00	\$ 370.24	\$ 370.24
271	Snk-37, Sink, Kohler Company, K—2214—0 Description: 'Ladena Undermount Bathroom Sink" K-2214-0 White Kohler Company Guestroom Bathroom Bowl: 18" X 12" X 4-5/8" / (Cast Polymer Or Granite)	EA	73	0%	73	\$ 151.24	\$ 404.37	\$ 555.61	\$ 40,559.53
272	Snk-38: Sink, Kohler Company, K-2214-0 Description: Ladena Undermount Bathroom Sink" K-2214-0 White Kohler Company Guestroom Bathroom Bowl: 18" X 12" X 4-5/8" / (Cast Polymer Or Granite)	EA	4	0%	4	\$ 151.24	\$ 404.37	\$ 555.61	\$ 2,222.44
273	Snk-39, Sink, Kohler Company, K—2214—0 Description: 'Ladena Undermount Bathroom Sink" K-2214-0 White Kohler Company Guestroom Bathroom Bowl: 18" X 12" X 4-5/8" / (Cast Polymer Or Granite)	EA	2	0%	2	\$ 151.24	\$ 404.37	\$ 555.61	\$ 1,111.22
274	Svs-02, Laundry Sink, El Mustee And Sons Inc., 27F X 18.300F Description: Double Compartment - One-Piece Melded Construction With Complete Drain Assembly, Twin Drain Waste Coupling, 4 Legs, Levelers And Stopper. 40"W X 24"D X 34"H (Basin: 14-3/8"D) / Floor Mounted	EA	1	0%	1	\$ 151.24	\$ 159.99	\$ 311.23	\$ 311.23
275	Svs-04, Sink	EA	1	0%	1	\$ 151.24	\$ 219.00	\$ 370.24	\$ 370.24

SR #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
286	Lit, Lint Interceptor, Zurn Industries, Z-1185 Description: Fabricated Steel W/Gray Duco Coating And Stainless Steel Primary And Secondary Lint Screens, 3/16" Diamond Plate Cover.	EA	1	0%	1	\$ 56.23	\$ 337.17	\$ 393.40	\$ 393.40
	Misc.								
287	3/4" Dia Hyd-01, Roof Hydrant, Woodford, Rhy2-M Description: Non-Freeze-Roof Mount Hydrant W/ Lift Handle Operation Sc Bronze Hydrant Box, Flange With Adjustable For Variable Roof Thickness, 2 - Degree Shim For Pitch Adjustment & Asse 1052 Backflow Preventer. Flash Sc Counter Flash Roofing Membrane Sc Barrel Drain As Required.	EA	1	0%	1	\$ 25.32	\$ 267.04	\$ 292.36	\$ 292.36
288	3/4" Dia Hyd-03, Wall Hydrant, Zurn Industries,Z-1305 Description: 1 /4 Turn Non-Freeze Wall Hydrant With Integral Vacuum Breaker Sc 3/4" Hose Connection Service From Inside With 3/4" Size Ball Valve.	EA	6	0%	6	\$ 25.32	\$ 80.00	\$ 105.32	\$ 631.92
289	1" Dia Gas Cock (Assumed)	EA	1	0%	1	\$ 26.45	\$ 33.42	\$ 59.87	\$ 59.87
290	1" Dia Gate Valve	EA	27	0%	27	\$ 26.45	\$ 39.54	\$ 65.99	\$ 1,781.73
291	1/2" Dia Balancing Valve	EA	1	0%	1	\$ 26.45	\$ 335.29	\$ 361.74	\$ 361.74
292	1/2" Dia Gate Valve	EA	9	0%	9	\$ 26.45	\$ 37.26	\$ 63.71	\$ 573.39
293	1/2" Dia Shock Absorber	EA	4	0%	4	\$ 26.45	\$ 120.65	\$ 147.10	\$ 588.40
294	1-1/2" Dia Co, Cleanout	EA	1	0%	1	\$ 26.45	\$ 23.97	\$ 50.42	\$ 50.42

SR #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
295	1-1/4" Dia Gas Cock	EA	2	0%	2	\$ 26.45	\$ 32.56	\$ 59.01	\$ 118.02
296	1-1/4" Dia Gate Valve	EA	3	0%	3	\$ 26.45	\$ 35.45	\$ 61.90	\$ 185.70
297	2" Dia Vtr, Vent Through Roof	EA	2	0%	2	\$ 26.45	\$ 37.99	\$ 64.44	\$ 128.88
298	3" Dia Vtr, Vent Through Roof	EA	13	0%	13	\$ 26.45	\$ 45.94	\$ 72.39	\$ 941.07
299	3" Dia Grease Trap	EA	1	0%	1	\$ 52.46	\$ 425.60	\$ 478.06	\$ 478.06
300	3" Dia Lint Interceptor	EA	1	0%	1	\$ 56.23	\$ 449.90	\$ 506.13	\$ 506.13
301	3" Dia Union	EA	2	0%	2	\$ 26.45	\$ 17.26	\$ 43.71	\$ 87.42
302	3/4" Dia Balancing Valve	EA	1	0%	1	\$ 26.45	\$ 332.54	\$ 358.99	\$ 358.99
303	3/4" Dia Gate Valve	EA	9	0%	9	\$ 26.45	\$ 34.45	\$ 60.90	\$ 548.10
304	3/4" Dia Shock Absorber	EA	7	0%	7	\$ 26.45	\$ 116.99	\$ 143.44	\$ 1,004.08
305	Gas Meter	EA	1	0%	1	\$ 50.24	\$ 130.50	\$ 180.74	\$ 180.74
306	Meter	EA	1	0%	1	\$ 50.24	\$ 40.94	\$ 91.18	\$ 91.18
307	Thermometer	EA	1	0%	1	\$ 8.54	\$ 12.98	\$ 21.52	\$ 21.52
	Water Heater								
308	Wh-01, Water Heater (3) Three Each, State, Suf 100-250N. Description: "Ultra Force" Model With Natural Gas Input Rating Of 250,000 Btu/Hr Sc Recovery Capacity Of 288 Gph 0 100°F Rise Tanks Shall Be Asme Constructed With Working Pressure Of 150 Psi. Glass Lined Sc With Magnesium Anodes, Sealed Combustion Sc Direct Venting CpvC Vent Pipe. Supplied With 120 Volts Sc Shall Have Electronic Ignition System. Provide Gas Shut-Off Safety When 180°F Water Temp Is Exceeded. Energy Efficiency Shall Comply With Latest Edition Of Share 90.1 Standard Listed & Certified By Sa/Cga, Latest Edition Applicable. Set To Eliver Hot Sc Provide Recirc Pump Equal To B&G Series 100 As Required. Provide 3" Concentric Vent Kit For CpvC Piping Install As Directed By Manufacturer. Designed For Zero Clearance To Combustibles.	EA	3	0%	3	\$ 152.80	\$ 191.30	\$ 344.10	\$ 1,032.30
309	Wh-02; Water Heater, For Laundry, State Ultra Force, Suf 100-250-Nea Description: Asme Construction, Powered Anodes, Electronic Control System Set To 1401 F With Lcd Readout Display Located At Top, Zero Clearance Design, Power Vent For Sidewall Sc Direct Ent Combustion Air W/ CpvC Pipe Intake Sc Exhaust, Sc Down Blow Top Mounted Burner. 250,000 Btuh Input Rating To 95% Efficiency Sc 100 Gallon Capacity To Deliver 390 Gal Per Hr.	EA	1	0%	1	\$ 152.80	\$ 299.99	\$ 452.79	\$ 452.79
310	Wh-03, Instantaneous Water Heater. Ee Max, Sp 55 Description: 5500 Watts, 0.3 Gpm Flow-Activation, 25 Gpm & 250 Of Temp Rise, 240 Volt Rated Sc Connect 208 Volt, 30 Amp.	EA	2	0%	2	\$ 152.80	\$ 281.00	\$ 433.80	\$ 867.60

SR #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
	Water Heater Accessories								
311	1-1/2" Dia Ball Valve	EA	4	0%	4	\$ 40.54	\$ 245.74	\$ 286.28	\$ 1,145.12
312	1-1/4" Dia Ball Valve	EA	4	0%	4	\$ 40.54	\$ 244.52	\$ 285.06	\$ 1,140.24

SR #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
313	2" Dia Dirt Leg	EA	1	0%	1	\$ 40.54	\$ 59.71	\$ 100.25	\$ 100.25
314	2" Dia Shutoff Valve	EA	5	0%	5	\$ 40.54	\$ 15.24	\$ 55.78	\$ 278.90
315	2-1/2" Dia Ball Valve	EA	3	0%	3	\$ 40.54	\$ 269.06	\$ 309.60	\$ 928.80
316	2-1/2" Dia Check Valve	EA	1	0%	1	\$ 40.54	\$ 198.00	\$ 238.54	\$ 238.54
317	2-1/2" Dia Dual Temperature Return Manifold	EA	1	0%	1	\$ 40.54	\$ 49.97	\$ 90.51	\$ 90.51
318	3/4" Dia Ball Valve	EA	2	0%	2	\$ 40.54	\$ 25.87	\$ 66.41	\$ 132.82
319	Asme Rated T & P Relief Valve	EA	4	0%	4	\$ 40.54	\$ 28.28	\$ 68.82	\$ 275.28
320	Expansion Tank	EA	1	0%	1	\$ 50.26	\$ 59.92	\$ 110.18	\$ 110.18
	Water Service Entrance Detail								
321	2" Dia Bypass Globe Valve	EA	1	0%	1	\$ 40.54	\$ 20.97	\$ 61.51	\$ 61.51
322	3" Dia Main Shut-Off Valve	EA	1	0%	1	\$ 40.54	\$ 32.86	\$ 73.40	\$ 73.40
323	3" Dia P&T Plug Valve	EA	2	0%	2	\$ 40.54	\$ 60.53	\$ 101.07	\$ 202.14
324	3" Dia Pressure Reducing Valve, Wilkins 500-Ysbr, 10 Psi	EA	1	0%	1	\$ 40.54	\$ 134.18	\$ 174.72	\$ 174.72
325	3" Dia Reduced Pressure Backflow Preventer	EA	1	0%	1	\$ 40.54	\$ 32.86	\$ 73.40	\$ 73.40
326	3" Dia Shut-Off Ball Valve	EA	2	0%	2	\$ 40.54	\$ 16.99	\$ 57.53	\$ 115.06
327	3" Dia Strainer W/ Drain Valve	EA	1	0%	1	\$ 10.45	\$ 12.97	\$ 23.42	\$ 23.42
328	3" Dia Union	EA	2	0%	2	\$ 8.24	\$ 17.26	\$ 25.50	\$ 51.00
	Manifold Detail								
329	2-1/2" Dia Balance Valve	EA	1	0%	1	\$ 40.54	\$ 335.29	\$ 375.83	\$ 375.83
330	2-1/2" Dia Ball Valve	EA	5	0%	5	\$ 40.54	\$ 269.06	\$ 309.60	\$ 1,548.00
331	2-1/2" Dia Check Valve	EA	2	0%	2	\$ 40.54	\$ 198.00	\$ 238.54	\$ 477.08
332	2-1/2" Dia Check Valve	EA	1	0%	1	\$ 40.54	\$ 198.00	\$ 238.54	\$ 238.54
333	2-1/2" Dia Solenoid Valve Type Assumed	EA	2	0%	2	\$ 40.54	\$ 335.29	\$ 375.83	\$ 751.66
334	2-1/2" Dia Stop	EA	2	0%	2	\$ 40.54	\$ 128.01	\$ 168.55	\$ 337.10
335	Dial Thermostat	EA	5	0%	5	\$ 9.42	\$ 189.00	\$ 198.42	\$ 992.10
336	Recirculating Pumps	EA	2	0%	2	\$ 40.54	\$ 889.40	\$ 929.94	\$ 1,859.88
	Elevator Sump Pump Detail								
337	1-1/2" Dia Check Valve	EA	1	0%	1	\$ 39.42	\$ 198.00	\$ 237.42	\$ 237.42
338	1-1/2" Dia Gate Valve	EA	1	0%	1	\$ 36.54	\$ 34.54	\$ 71.08	\$ 71.08
	Pvc Pipe Couplings								
339	1-1/4" Dia Coupling	EA	128	0%	128	\$ 13.14	\$ 12.36	\$ 25.50	\$ 3,264.00
340	1-1/2" Dia Coupling	EA	228	0%	228	\$ 23.00	\$ 14.50	\$ 37.50	\$ 8,550.00
341	2" Dia Coupling	EA	330	0%	330	\$ 26.28	\$ 19.11	\$ 45.39	\$ 14,978.70
342	3" Dia Coupling	EA	188	0%	188	\$ 32.85	\$ 24.55	\$ 57.40	\$ 10,791.20
343	4" Dia Coupling	EA	91	0%	91	\$ 36.14	\$ 36.18	\$ 72.32	\$ 6,581.12
344	6" Dia Coupling	EA	67	0%	67	\$ 39.42	\$ 45.05	\$ 84.47	\$ 5,659.49
	Pipe Support								
345	1/2" Dia Adjustable Clevis Hanger	EA	1273	0%	1273	\$ 4.93	\$ 1.42	\$ 6.35	\$ 8,083.55
346	3/4" Dia Adjustable Clevis Hanger	EA	157	0%	157	\$ 6.25	\$ 1.70	\$ 7.95	\$ 1,248.15
347	1" Dia Adjustable Clevis Hanger	EA	191	0%	191	\$ 7.88	\$ 1.99	\$ 9.87	\$ 1,884.79
348	1-1/4" Dia Adjustable Clevis Hanger	EA	261	0%	261	\$ 9.20	\$ 2.17	\$ 11.37	\$ 2,967.57

SR #	DESCRIPTION	UNIT	QUANTITY	WASTAGE	QUANTITY W/ WASTAGE	LABOR COST	MAT. COST	UNIT COST	SUB COST
349	1-1/2" Dia Adjustable Clevis Hanger	EA	382	0%	382	\$ 10.51	\$ 2.60	\$ 13.11	\$ 5,008.02
350	2" Dia Adjustable Clevis Hanger	EA	321	0%	321	\$ 11.83	\$ 4.19	\$ 16.02	\$ 5,142.42
351	2-1/2" Dia Adjustable Clevis Hanger	EA	83	0%	83	\$ 11.83	\$ 5.32	\$ 17.15	\$ 1,423.45
352	3" Dia Adjustable Clevis Hanger	EA	82	0%	82	\$ 11.83	\$ 7.37	\$ 19.20	\$ 1,574.40
353	4" Dia Adjustable Clevis Hanger	EA	63	0%	63	\$ 13.14	\$ 8.85	\$ 21.99	\$ 1,385.37
354	6" Dia Adjustable Clevis Hanger	EA	25	0%	25	\$ 14.45	\$ 11.50	\$ 25.95	\$ 648.75
355	1/2" Dia Threaded Rod (1 Ea = 1 Ft)	EA	2264	0%	2264	\$ 19.71	\$ 6.15	\$ 25.86	\$ 58,547.04
356	3/8" Dia Threaded Rod (1 Ea = 1 Ft)	EA	574	0%	574	\$ 16.43	\$ 4.72	\$ 21.15	\$ 12,140.10
	Trenching & Backfilling								
357	Excavation & Backfilling (3' Deep X 1' Wide Trench) Including All Labor And Material/Equipment	CFT	5007	0%	5007	\$ 3.26	\$ -	\$ 3.26	\$ 16,322.82
SUBTOTAL								\$	770,641
OVERHEAD AND PROFIT								7%	\$ 53,945
INSURANCE								3%	\$ 23,119
CONTINGENCY								3%	\$ 23,119
TAX								5%	\$ 38,532
TOTAL TRADE COST								\$	909,357