

Date:

Project:

Project Location:

TOTAL

OVERHEAD AND PROFIT 20%

TOTAL BASE BID

Amount

\$ 7,710,066

\$ 1,542,013

\$ 9,252,080



Summary

											TRADE COST		
			DIV-01	GENERAL							\$	687,760	
			DIV-02	SELECTIVE REMOVALS AND DEMOLITIONS							\$	270,767	
			DIV-03	CONCRETE								N/A	
			DIV-04	UNIT MASONRY								N/A	
			DIV-05	METALS								N/A	
			DIV-06	WOOD, PLASTICS & COMPOSITES								N/A	
			DIV-07	THERMAL AND MOISTURE PROTECTION							\$	144,089	
			DIV-08	OPENINGS							\$	749,851	
			DIV-09	FINISHES							\$	1,808,261	
			DIV-10	SPECIALTIES							\$	53,725	
			DIV-11	EQUIPMENTS							\$	405,017	
			DIV-12	FURNISHINGS							\$	342,700	
			DIV-13	SPECIAL CONSTRUCTION							\$	-	
			DIV-14	CONVEYING EQUIPMENT							\$	134,194	
			DIV-21	FIRE SUPPRESSION							\$	35,581	
			DIV-22	PLUMBING							\$	874,001	
			DIV-23	HVAC/HEATING VENTILATING & AIR CONDITIONING							\$	666,787	
			DIV-26	ELECTRICAL							\$	1,509,225	
			DIV-31	EARTHWORK								N/A	
			DIV-32	EXTERIOR IMPROVEMENTS							\$	27,532	
			DIV-33	UTILITIES							\$	435	
												INSURANCE 3%	\$ 7,710,066
												OVERHEAD AND PROFIT 20%	\$ 231,302
												TOTAL BASE BID	\$ 1,542,013
													\$ 9,483,382



Detailed Estimate														
ITEM #	REF SHEET	DETAIL	CSI SECT	DESCRIPTION	QTY.	WASTAGE	QTY WITH WASTAGE	UNIT	UNIT MATERIAL COST	UNIT LABOR COST	TOTAL MATERIAL COST	TOTAL LABOR COST	TOTAL ITEM COST	TRADE COST
DIV-01 GENERAL														
1		Permit			1	0%	1	LS	\$ 20,000.00	\$ -	\$ 20,000	\$ -	\$ 20,000	
2		Supervision			1	0%	1	LS	\$ 250,000.00	\$ -	\$ 250,000	\$ -	\$ 250,000	
3		Final Cleanups			1	0%	1	LS	\$ 40,000.00	\$ -	\$ 40,000	\$ -	\$ 40,000	
4		Mobilization Cost			1	0%	1	LS	\$ 150,000.00	\$ -	\$ 150,000	\$ -	\$ 150,000	
5		Protect Overheads			1	0%	1	LS	\$ 75,000.00	\$ -	\$ 75,000	\$ -	\$ 75,000	
6		Bunch			1	0%	1	LS	\$ 65,000.00	\$ -	\$ 65,000	\$ -	\$ 65,000	
7		Fees (Architect & Engineer)			1	0%	1	LS	\$ -	\$ -	\$ -	\$ -	\$ -	
8		Temporary Control & Facilities			1	0%	1	LS	\$ -	\$ -	\$ -	\$ -	\$ -	
9		Scaffolding			22,000	10%	24,200	SF	\$ 1.50	\$ 1.30	\$ 36,300	\$ 31,400	\$ 67,700	
DIV-02 SELECTIVE REMOVALS AND DEMOLITIONS														
10		Demolition			4	0%	4	EA	\$ -	\$ 112.00	\$ -	\$ 448	\$ 448	
11		Store Sign to be Relocated			72	0%	72	LF	\$ -	\$ 12.50	\$ -	\$ 896	\$ 896	
12		Existing Curb Cut to be removed			4	0%	4	EA	\$ -	\$ 2.50	\$ -	\$ 2,407	\$ 2,407	
13		Remove Sidewalk			1,150	0%	1,150	SF	\$ -	\$ 2.20	\$ -	\$ 2,549	\$ 2,549	
14		Fence to be Removed			282	0%	282	LF	\$ -	\$ 10.80	\$ -	\$ 2,722	\$ 2,722	
15		Frezeer to be Relocated			4	0%	4	EA	\$ -	\$ 12.50	\$ -	\$ 1,376	\$ 1,376	
16		Remove Existing Curb			224	0%	224	LF	\$ -	\$ 12.50	\$ -	\$ 2,797	\$ 2,797	
17		Saw Cut 12" off Curb			117	0%	117	LF	\$ -	\$ 6.50	\$ -	\$ 763	\$ 763	
18		Bolebirds to be Removed			20	0%	20	EA	\$ -	\$ 140.00	\$ -	\$ 2,800	\$ 2,800	
19		Removal of Drywalls			12,297	0%	12,297	SF	\$ -	\$ 2.00	\$ -	\$ 24,593	\$ 24,593	
20		Removal of Collum			5,683	0%	5,683	SF	\$ -	\$ 2.00	\$ -	\$ 11,365	\$ 11,365	
21		Roofing Removal			4,315	0%	4,315	SF	\$ -	\$ 3.00	\$ -	\$ 12,945	\$ 12,945	
22		Removal of Openings			906	0%	906	EA	\$ -	\$ 200.00	\$ -	\$ 181,100	\$ 181,100	
23		Removal of flooring			5,500	0%	5,500	SF	\$ -	\$ 2.00	\$ -	\$ 11,000	\$ 11,000	
24		Removal of roof			4,315	0%	4,315	SF	\$ -	\$ 3.00	\$ -	\$ 12,945	\$ 12,945	
DIV-07 THERMAL AND MOISTURE PROTECTION														
Roofing														
Roof Assembly														
25		Roof Assembly			4,315	10%	4,747	SF	\$ 3.98	\$ 8.02	\$ 18,891	\$ 38,067	\$ 56,958	
Fastenment Curb														
26		6" H.IVAC Fastenment Curb			38	10%	42	LF	\$ 6.87	\$ 21.30	\$ 291	\$ 902	\$ 1,193	
Drains														
27		Overflow Drain			13	0%	13	EA	\$ 393.00	\$ 239.00	\$ 4,913	\$ 2,988	\$ 7,900	
28		Roof Drain			13	0%	13	EA	\$ 393.00	\$ 239.00	\$ 4,913	\$ 2,988	\$ 7,900	
Slopper / Demount														
29		Leader			5	10%	6	LF	\$ 2.11	\$ 5.76	\$ 12	\$ 32	\$ 43	
Guardrail														
30		3" or H.Glass Guardrail			137	10%	151	LF	\$ 234.00	\$ 44.00	\$ 35,200	\$ 6,636	\$ 41,835	
31		Glass Guardrail			50	10%	55	LF	\$ 234.00	\$ 44.00	\$ 12,824	\$ 2,419	\$ 15,243	
Parapet														
32		Rigid Insulation (2" H)			274	10%	301	SF	\$ 1.46	\$ 0.59	\$ 440	\$ 178	\$ 618	
33		Water Proofing			301	10%	331	SF	\$ 0.38	\$ 1.10	\$ 125	\$ 352	\$ 476	
34		Flashing w/ Coping			137	10%	151	LF	\$ 4.87	\$ 11.39	\$ 734	\$ 1,716	\$ 2,450	
Handrail														
35		Pipe Handrail at Catwalk			32	0%	32	EA	\$ 54.20	\$ 11.87	\$ 1,734	\$ 380	\$ 2,113	
Gate														
36		Roof Access			2	10%	2	SF	\$ 244.00	\$ 101.00	\$ 403	\$ 167	\$ 569	
37		18" X Access Panel			11	0%	11	EA	\$ 319.00	\$ 128.00	\$ 3,350	\$ 1,344	\$ 4,694	
38		6" X 6" X 0.4" DINSY Access			11	0%	11	EA	\$ 319.00	\$ 128.00	\$ 3,350	\$ 1,344	\$ 4,694	
39		18" X 6" X 0.4" DINSY Access			11	0%	11	EA	\$ 319.00	\$ 128.00	\$ 3,350	\$ 1,344	\$ 4,694	
40		18" X 6" X 0.4" DINSY Access			11	0%	11	EA	\$ 319.00	\$ 128.00	\$ 3,350	\$ 1,344	\$ 4,694	
41		18" X 6" X 0.4" DINSY Access			11	0%	11	EA	\$ 319.00	\$ 128.00	\$ 3,350	\$ 1,344	\$ 4,694	
42		18" X 6" X 0.4" DINSY Access			11	0%	11	EA	\$ 319.00	\$ 128.00	\$ 3,350	\$ 1,344	\$ 4,694	
43		18" X 6" X 0.4" DINSY Access			11	0%	11	EA	\$ 319.00	\$ 128.00	\$ 3,350	\$ 1,344	\$ 4,694	
44		18" X 6" X 0.4" DINSY Access			11	0%	11	EA	\$ 319.00	\$ 128.00	\$ 3,350	\$ 1,344	\$ 4,694	
45		18" X 6" X 0.4" DINSY Access			11	0%	11	EA	\$ 319.00	\$ 128.00	\$ 3,350	\$ 1,344	\$ 4,694	
46		18" X 6" X 0.4" DINSY Access			11	0%	11	EA	\$ 319.00	\$ 128.00	\$ 3,350	\$ 1,344	\$ 4,694	
47		18" X 6" X 0.4" DINSY Access			11	0%	11	EA	\$ 319.00	\$ 128.00	\$ 3,350	\$ 1,344	\$ 4,694	
48		18" X 6" X 0.4" DINSY Access			11	0%	11	EA	\$ 319.00	\$ 128.00	\$ 3,350	\$ 1,344	\$ 4,694	
49		18" X 6" X 0.4" DINSY Access			11	0%	11	EA	\$ 319.00	\$ 128.00	\$ 3,350	\$ 1,344	\$ 4,694	
50		18" X 6" X 0.4" DINSY Access			11	0%	11	EA	\$ 319.00	\$ 128.00	\$ 3,350	\$ 1,344	\$ 4,694	
51		18" X 6" X 0.4" DINSY Access			11	0%	11	EA	\$ 319.00	\$ 128.00	\$ 3,350	\$ 1,344	\$ 4,694	
52		18" X 6" X 0.4" DINSY Access			11	0%	11	EA	\$ 319.00	\$ 128.00	\$ 3,350	\$ 1,344	\$ 4,694	
53		18" X 6" X 0.4" DINSY Access			11	0%	11	EA	\$ 319.00	\$ 128.00	\$ 3,350	\$ 1,344	\$ 4,694	
54		18" X 6" X 0.4" DINSY Access			11	0%	11	EA	\$ 319.00	\$ 128.00	\$ 3,350	\$ 1,344	\$ 4,694	
55		18" X 6" X 0.4" DINSY Access			11	0%	11	EA	\$ 319.00	\$ 128.00	\$ 3,350	\$ 1,344	\$ 4,694	
56		18" X 6" X 0.4" DINSY Access			11	0%	11	EA	\$ 319.00	\$ 128.00	\$ 3,350	\$ 1,344	\$ 4,694	
57		18" X 6" X 0.4" DINSY Access			11	0%	11	EA	\$ 319.00	\$ 128.00	\$ 3,350	\$ 1,344	\$ 4,694	
58		18" X 6" X 0.4" DINSY Access			11	0%	11	EA	\$ 319.00	\$ 128.00	\$ 3,350	\$ 1,344	\$ 4,694	
59		18" X 6" X 0.4" DINSY Access			11	0%	11	EA	\$ 319.00	\$ 128.00	\$ 3,350	\$ 1,344	\$ 4,694	
60		18" X 6" X 0.4" DINSY Access			11	0%	11	EA	\$ 319.00	\$ 128.00	\$ 3,350	\$ 1,344	\$ 4,694	
DIV-08 DOORS														
WINDOWS														
61		Al-3/4-1/2" W X 6-5/8" H Window and Frame			1	0%	1	EA	\$ 545.00	\$ 242.00	\$ 545	\$ 242	\$ 787	
62		Al-3/4-1/2" W X 6-5/8" H Window and Frame			2	0%	2	EA	\$ 545.00	\$ 242.00	\$ 1,090	\$ 484	\$ 1,574	
63		Al-3/4-1/2" W X 6-5/8" H Window and Frame			3	0%	3	EA	\$ 545.00	\$ 242.00	\$ 1,635	\$ 726	\$ 2,361	
64		Al-3/4-1/2" W X 6-5/8" H Window and Frame			4	0%	4	EA	\$ 545.00	\$ 242.00	\$ 2,180	\$ 968	\$ 3,148	
65		Al-3/4-1/2" W X 6-5/8" H Window and Frame			5	0%	5	EA	\$ 545.00	\$ 242.00	\$ 2,725	\$ 1,210	\$ 3,935	
66		Al-3/4-1/2" W X 6-5/8" H Window and Frame			6	0%	6	EA	\$ 545.00	\$ 242.00	\$ 3,270	\$ 1,452	\$ 4,722	
67		Al-3/4-1/2" W X 6-5/8" H Window and Frame			7	0%	7	EA	\$ 545.00	\$ 242.00	\$ 3,815	\$ 1,694	\$ 5,509	
68		Al-3/4-1/2" W X 6-5/8" H Window and Frame			8	0%	8	EA	\$ 545.00	\$ 242.00	\$ 4,360	\$ 1,976	\$ 6,336	
69		Al-3/4-1/2" W X 6-5/8" H Window and Frame			9	0%	9	EA	\$ 545.00	\$ 242.00	\$ 4,905	\$ 2,218	\$ 7,123	
70		Al-3/4-1/2" W X 6-5/8" H Window and Frame			10	0%	10	EA	\$ 545.00	\$ 242.00	\$ 5,450	\$ 2,460	\$ 7,910	
71		Al-3/4-1/2" W X 6-5/8" H Window and Frame			11	0%	11	EA	\$ 545.00	\$ 242.00	\$ 5,995	\$ 2,702	\$ 8,697	
72		Al-3/4-1/2" W X 6-5/8" H Window and Frame			12	0%	12	EA	\$ 545.00	\$ 242.00	\$ 6,540	\$ 2,914	\$ 9,454	
73		Al-3/4-1/2" W X 6-5/8" H Window and Frame			13	0%	13	EA	\$ 545.00	\$ 242.00	\$ 7,085	\$ 3,126	\$ 10,211	
74		Al-3/4-1/2" W X 6-5/8" H Window and Frame			14	0%	14	EA	\$ 545.00	\$ 242.00	\$ 7,630	\$ 3,338	\$ 10,968	
75		Al-3/4-1/2" W X 6-5/8" H Window and Frame			15	0%	15	EA	\$ 545.00	\$ 242.00	\$ 8,175	\$ 3,550	\$ 11,725	
76		Al-3/4-1/2" W X 6-5/8" H Window and Frame			16	0%	16	EA	\$ 545.00	\$ 242.00	\$ 8,720	\$ 3,762	\$ 12,482	
77		Al-3/4-1/2" W X 6-5/8" H Window and Frame			17	0%	17	EA	\$ 545.00	\$ 242.00	\$ 9,265	\$ 3,974	\$ 13,239	
78		Al-3/4-1/2" W X 6-5/8" H Window and Frame			18	0%	18	EA	\$ 545.00	\$ 242.00	\$ 9,810	\$ 4,186	\$ 13,996	
79		Al-3/4-1/2" W X 6-5/8" H Window and Frame			19	0%	19	EA	\$ 545.00	\$ 242.00	\$ 10,355	\$ 4,398	\$ 14,753	
80		Al-3/4-1/2" W X 6-5/8" H Window and Frame			20	0%	20	EA	\$ 545.00	\$ 242.00	\$ 10,900	\$ 4,610	\$ 15,510	
81		Al-3/4-1/2" W X 6-5/8" H Window and Frame			21	0%	21	EA	\$ 545.00	\$ 242.00	\$ 11,445	\$ 4,822	\$ 16,267	
82		Al-3/4-1/2" W X 6-5/8" H Window and Frame			22	0%	22	EA	\$ 545.00	\$ 242.00	\$ 11,990	\$ 5,034	\$ 17,024	
83		Al-3/4-1/2" W X 6-5/8" H Window and Frame			23	0%	23	EA	\$ 545.00	\$ 242.00	\$ 12,535	\$ 5,246	\$ 17,781	
84		Al-3/4-1/2" W X 6-5/8" H Window and Frame			24	0%	24	EA	\$ 545.00	\$ 242.00	\$ 13,080	\$ 5,458	\$ 18,538	
85		Al-3/4-1/2" W X 6-5/8" H Window and Frame			25	0%	25	EA	\$ 545.00	\$ 242.00	\$ 13,625	\$ 5,670	\$ 19,295	
86		Al-3/4-1/2" W X 6-5/8" H Window and Frame			26	0%	26	EA	\$ 545.00	\$ 242.00	\$ 14,170	\$ 5,882	\$ 20,052	
87		Al-3/4-1/2" W X 6-5/8" H Window and Frame			27	0%	27	EA	\$ 545.00	\$ 242.00	\$ 14,715	\$ 6,094	\$ 20,809	
88		Al-3/4-1/2" W X 6-5/8" H Window and Frame			28	0%	28	EA	\$ 545.00	\$ 242.00	\$ 15,260	\$ 6,306	\$ 21,566	
89		Al-3/4-1/2" W X 6-5/8" H Window and Frame			29	0%	29	EA	\$ 545.00	\$ 242.00	\$ 15,805	\$ 6,518	\$ 22,323	
90		Al-3/4-1/2" W X 6-5/8" H Window and Frame			30	0%	30	EA	\$ 545.00	\$ 242.00	\$ 16,350	\$ 6,730	\$ 23,080	
91		Al-3/4-1/2" W X 6-5/8" H Window and Frame			31	0%	31	EA	\$ 5					

ITEM #	REF. SHEET	DETAIL	CSI SECT	DESCRIPTION	QTY.	WASTAGE	QTY WITH WASTAGE	UNIT	UNIT MATERIAL COST	UNIT LABOR COST	TOTAL MATERIAL	TOTAL LABOR	TOTAL ITEM COST	TRADE COST
				WALL ASSEMBLIES	-									
				WALL TYPE 1A (204 LF, 10'-0" H.)	-									
119				1/2" (20 GA) Metal Studs @ 10' O.C.	9,276	10%	10,214	LF	\$	1.14	\$	1,155	\$	11,369
120				1/2" (20 GA) Top and Bottom Metal Runner	2,494	10%	2,743	LF	\$	1.14	\$	3,117	\$	6,145
121				5/8" Type X Gypsum Wall Board	24,540	10%	27,434	SF	\$	0.40	\$	10,974	\$	48,284
122				Sound Attenuation Blanket	12,470	10%	13,717	SF	\$	1.66	\$	22,770	\$	7,133
123				Sealant	4,088	10%	4,497	LF	\$	0.15	\$	674	\$	3,347
				WALL TYPE 1B (897 LF, 10'-0" H.)	-									
124				1/2" (20 GA) Metal Studs @ 10' O.C.	1,868	10%	2,055	LF	\$	1.14	\$	2,343	\$	4,604
125				1/2" (20 GA) Top and Bottom Metal Runner	497	10%	547	LF	\$	1.14	\$	623	\$	1,225
126				5/8" Type X Gypsum Wall Board	2,485	10%	2,734	SF	\$	0.40	\$	1,093	\$	4,811
127				5/8" Type X Moisture Resistant Gypsum Wall Board	2,485	10%	2,734	SF	\$	0.44	\$	1,203	\$	3,880
128				Sound Attenuation Blanket	2,485	10%	2,734	SF	\$	1.66	\$	4,538	\$	2,062
129				Sealant	994	10%	1,093	LF	\$	0.15	\$	164	\$	667
				WALL TYPE 1C (47 LF, 10'-0" H.)	-									
130				1/2" (20 GA) Metal Studs @ 10' O.C.	252	10%	277	LF	\$	1.14	\$	316	\$	621
131				1/2" (20 GA) Top and Bottom Metal Runner	67	10%	74	LF	\$	1.14	\$	84	\$	165
132				5/8" Type X Moisture Resistant Gypsum Wall Board	470	10%	517	SF	\$	0.44	\$	224	\$	1,149
133				Sound Attenuation Blanket	335	10%	369	SF	\$	1.66	\$	612	\$	803
134				Sealant	134	10%	147	LF	\$	0.15	\$	22	\$	90
				WALL TYPE 2 (2945 LF, 10'-0" H.)	-									
135				1/2" (20 GA) Metal Studs @ 10' O.C.	11,071	10%	12,179	LF	\$	1.11	\$	13,518	\$	13,153
136				1/2" (20 GA) Top and Bottom Metal Runner	2,945	10%	3,240	LF	\$	1.11	\$	3,596	\$	3,499
137				5/8" Type X Gypsum Wall Board	29,450	10%	32,395	SF	\$	0.40	\$	12,958	\$	44,057
138				Sound Attenuation Blanket	14,725	10%	16,198	SF	\$	1.66	\$	26,888	\$	8,423
139				Sealant	5,800	10%	6,479	LF	\$	0.15	\$	972	\$	2,980
				WALL TYPE 2A (467 LF, 10'-0" H.)	-									
140				1/2" (20 GA) Metal Studs @ 10' O.C.	1,756	10%	1,931	LF	\$	1.14	\$	2,202	\$	4,326
141				1/2" (20 GA) Top and Bottom Metal Runner	467	10%	514	LF	\$	1.14	\$	586	\$	1,151
142				5/8" Type X Gypsum Wall Board	4,670	10%	5,137	SF	\$	0.40	\$	2,055	\$	9,841
143				Sound Attenuation Blanket	2,335	10%	2,569	SF	\$	1.66	\$	4,264	\$	1,336
144				Sealant	934	10%	1,027	LF	\$	0.15	\$	154	\$	627
				WALL TYPE 2B (1420 LF, 10'-0" H.)	-									
145				1/2" (20 GA) Metal Studs @ 10' O.C.	5,372	10%	5,909	LF	\$	1.11	\$	6,559	\$	6,382
146				1/2" (20 GA) Top and Bottom Metal Runner	1,429	10%	1,572	LF	\$	1.11	\$	1,745	\$	1,698
147				5/8" Type X Moisture Resistant Gypsum Wall Board	14,200	10%	15,719	SF	\$	0.44	\$	6,916	\$	23,366
148				Sound Attenuation Blanket	7,145	10%	7,860	SF	\$	1.66	\$	13,047	\$	4,087
149				Sealant	2,858	10%	3,144	LF	\$	0.15	\$	472	\$	1,446
				WALL TYPE 3 (779 LF, 10'-0" H.)	-									
150				1/2" Metal Studs @ 10' O.C.	2,929	10%	3,221	LF	\$	1.11	\$	3,576	\$	3,479
151				1/2" Top and Bottom Metal Runner	779	10%	857	LF	\$	1.11	\$	951	\$	925
152				5/8" Type X Gypsum Wall Board	15,500	10%	17,138	SF	\$	0.40	\$	6,855	\$	23,400
153				Sound Attenuation Blanket	3,895	10%	4,285	SF	\$	1.66	\$	7,112	\$	2,228
154				Sealant	1,558	10%	1,714	LF	\$	0.15	\$	257	\$	788
				WALL TYPE 3A (147 LF, 10'-0" H.)	-									
155				1/2" (20 GA) Metal Studs @ 10' O.C.	553	10%	608	LF	\$	1.18	\$	718	\$	699
156				1/2" (20 GA) Top and Bottom Metal Runner	147	10%	162	LF	\$	1.18	\$	191	\$	186
157				5/8" Type X Gypsum Wall Board	2,940	10%	3,234	SF	\$	0.40	\$	1,294	\$	4,298
158				Sound Attenuation Blanket	735	10%	809	SF	\$	1.66	\$	1,342	\$	1,763
159				Sealant	294	10%	323	LF	\$	0.15	\$	49	\$	140
				WALL TYPE 3B (361 LF, 10'-0" H.)	-									
160				1/2" (20 GA) Metal Studs @ 10' O.C.	2,714	10%	2,986	LF	\$	1.11	\$	3,314	\$	3,225
161				1/2" (20 GA) Top and Bottom Metal Runner	722	10%	794	LF	\$	1.11	\$	882	\$	858
162				1/2" D X 3/8" W X 18 GA Horizontal Cold Rolled Channels	451	10%	496	LF	\$	1.46	\$	725	\$	1,280
163				5/8" Moisture Resistant Gypsum Wall Board	3,610	10%	3,971	SF	\$	0.44	\$	1,747	\$	7,267
164				Concent Board	963	10%	1,063	SF	\$	0.64	\$	685	\$	3,485
165				Sound Attenuation Blanket	1,865	10%	2,066	SF	\$	1.66	\$	3,426	\$	1,032
166				Sealant	722	10%	794	LF	\$	0.15	\$	119	\$	365
				WALL TYPE 4 (515 LF, 10'-0" H.)	-									
167				1/2" (20 GA) Metal Studs @ 10' O.C.	38	10%	41	LF	\$	1.11	\$	46	\$	45
168				1/2" (20 GA) Top and Bottom Metal Runner	10	10%	11	LF	\$	1.11	\$	12	\$	12
169				1/2" D X 3/8" W X 18 GA Horizontal Cold Rolled Channels	6	10%	7	LF	\$	1.46	\$	10	\$	9
170				5/8" Type X Gypsum Wall Board	50	10%	55	SF	\$	0.40	\$	22	\$	75
171				Sound Attenuation Blanket	50	10%	55	SF	\$	1.66	\$	91	\$	29
172				Sealant	10	10%	11	LF	\$	0.15	\$	2	\$	5
				WALL TYPE 6A (77 LF, 10'-0" H.)	-									
173				1/2" (20 GA) Metal Studs @ 10' O.C.	579	10%	637	LF	\$	1.14	\$	726	\$	701
174				1/2" (20 GA) Top and Bottom Metal Runner	154	10%	169	LF	\$	1.14	\$	193	\$	186
175				1/2" D X 3/8" W X 18 GA Horizontal Cold Rolled Channels	96	10%	106	LF	\$	1.46	\$	155	\$	140
176				5/8" Type X Gypsum Wall Board	1,770	10%	1,947	SF	\$	0.40	\$	780	\$	3,390
177				Sound Attenuation Blanket	470	10%	517	SF	\$	1.66	\$	860	\$	2,446
178				Sealant	154	10%	169	LF	\$	0.15	\$	25	\$	78
				WALL TYPE 6C (52 LF, 10'-0" H.)	-									
179				1/2" (20 GA) Metal Studs @ 10' O.C.	391	10%	430	LF	\$	1.18	\$	508	\$	495
180				1/2" (20 GA) Top and Bottom Metal Runner	101	10%	114	LF	\$	1.18	\$	135	\$	122
181				1/2" D X 3/8" W X 18 GA Horizontal Cold Rolled Channels	45	10%	72	LF	\$	1.46	\$	104	\$	94
182				5/8" Type X Gypsum Wall Board	320	10%	352	SF	\$	0.40	\$	140	\$	1,087
183				Sound Attenuation Blanket	620	10%	672	SF	\$	1.66	\$	1,112	\$	297
184				Sealant	104	10%	114	LF	\$	0.15	\$	17	\$	53
				WALL TYPE 6D (384 LF, 10'-0" H.)	-									
185				1/2" (20 GA) Metal Studs @ 10' O.C.	2,887	10%	3,176	LF	\$	1.08	\$	3,430	\$	3,343
186				1/2" (20 GA) Top and Bottom Metal Runner	768	10%	845	LF	\$	1.08	\$	912	\$	879
187				1/2" D X 3/8" W X 18 GA Horizontal Cold Rolled Channels	480	10%	528	LF	\$	1.46	\$	771	\$	1,468
188				5/8" Type X Gypsum Wall Board	3,840	10%	4,224	SF	\$	0.40	\$	1,690	\$	5,745
189				Sound Attenuation Blanket	3,840	10%	4,224	SF	\$	1.66	\$	7,012	\$	2,196
190				Sealant	768	10%	845	LF	\$	0.15	\$	127	\$	389
				WALL TYPE 7 (1,095 LF, 10'-0" H.)	-									
191				1/2" (20 GA) Metal Studs @ 10' O.C.	4,117	10%	4,528	LF	\$	1.11	\$	5,026	\$	4,890
192				1/2" (20 GA) Top and Bottom Metal Runner	1,095	10%	1,205	LF	\$	1.11	\$	1,337	\$	1,268
193				C-H Metal Studs	4,117	10%	4,528	LF	\$	1.03	\$	4,664	\$	4,528
194				5/8" Type X Gypsum Wall Board	10,950	10%	12,045	SF	\$	0.40	\$	4,818	\$	16,381
195				1" Gypsum Liner Board	5,475	10%	6,023	SF	\$	0.50	\$	3,012	\$	11,114
196				Sound Attenuation Blanket	5,475	10%	6,023	SF	\$	1.66	\$	10,037	\$	3,132
197				Sealant	1,095	10%	1,205	LF	\$	0.15	\$	181	\$	554
				WALL TYPE 8 (256 LF, 10'-0" H.)	-									
198				1/2" (20 GA) Metal Studs @ 10' O.C.	962	10%	1,059	LF	\$	1.16	\$	1,228	\$	1,186
199				1/2" (20 GA) Top and Bottom Metal Runner	256	10%	282	LF	\$	1.16	\$	327	\$	315
200				C-H Metal Studs	962	10%	1,059	LF	\$	1.03	\$	1,096	\$	1,049
201				5/8" Type X Gypsum Wall Board	2,560	10%	2,816	SF	\$	0.40	\$	1,126	\$	3,830
202				1" Gypsum Liner Board	1,280	10%	1,408	SF	\$	0.50	\$	704	\$	2,942
203				Sound Attenuation Blanket	1,280	10%	1,408	SF	\$	1.66	\$	2,337	\$	720
204				Sealant	256	10%	282	LF	\$	0.15	\$	42	\$	130
				WALL TYPE 9 (1647 LF, 10'-0" H.)	-									
205				1/2" (20 GA) Metal Studs @ 10' O.C.	6,192	10%	6,811	LF	\$	1.07	\$	7,288	\$	7,083
206				1/2" (20 GA) Top and Bottom Metal Runner	1,647	10%	1,812	LF	\$	1.07	\$	1,939	\$	1,884
207				5/8" Gypsum Wall Board	16,470	10%	18,117	SF	\$	0.38	\$	6,888	\$	24,438
208				Sealant	1,647	10%	1,812	LF	\$	0.15	\$	271	\$	1,085
				WALL TYPE 11B (88 LF, 10'-0" H.)	-									
209				1/2" (20 GA) Metal Studs @ 10' O.C.	256	10%	281	LF	\$	1.11	\$	312	\$	304
210				1/2" (20 GA) Top and Bottom Metal Runner	88	10%	97	LF	\$	1.11	\$	108	\$	81
2														

ITEM #	REF. SHEET	DETAIL	CSI SECT	DESCRIPTION	QTY.	WASTAGE	QTY WITH WASTAGE	UNIT	UNIT MATERIAL COST	UNIT LABOR COST	TOTAL MATERIAL	TOTAL LABOR COST	TOTAL ITEM COST	TRADE COST
			DIV-12	FURNISHINGS	0									\$ 342,788
				MILLWORK										
				COUNTER TOP										
254				24"W Kitchen Counter	486	10%	534	LF	\$ 43.28	\$ 89.72	\$ 23,126	\$ 47,941	\$ 71,067	
255				24"W Counter Top	11	10%	12	LF	\$ 43.28	\$ 89.72	\$ 503	\$ 1,043	\$ 1,546	
256				24"W Bath Counter	100	10%	110	LF	\$ 43.28	\$ 89.72	\$ 4,769	\$ 9,886	\$ 14,656	
257				12"W Counter Top	9	10%	10	LF	\$ 38.50	\$ 77.40	\$ 386	\$ 736	\$ 1,124	
				ISLAND										
258				12"W Island	108	10%	119	LF	\$ 64.50	\$ 98.20	\$ 7,647	\$ 11,642	\$ 19,288	
				CABINETS										
259				12"W Base Cabinet	9	10%	10	LF	\$ 119.00	\$ 24.00	\$ 1,178	\$ 238	\$ 1,416	
260				24"W Base Cabinet	897	10%	986	LF	\$ 144.00	\$ 26.00	\$ 94,486	\$ 17,660	\$ 112,146	
261				12"W Upper Cabinet	107	10%	118	LF	\$ 101.00	\$ 22.00	\$ 55,161	\$ 12,015	\$ 67,176	
262				24"W Base Cabinet at Island	108	10%	119	LF	\$ 168.00	\$ 37.00	\$ 19,958	\$ 4,396	\$ 24,354	
263				12"W Closet	9	10%	10	LF	\$ 34.00	\$ 29.00	\$ 340	\$ 290	\$ 630	
264				12"W Closet	415	10%	456	LF	\$ 30.00	\$ 26.00	\$ 13,680	\$ 11,862	\$ 25,542	
265				12" W Walk in Closet	53	10%	58	LF	\$ 30.00	\$ 26.00	\$ 1,736	\$ 1,505	\$ 3,241	
				DESK										
266				24"W Condoce Desk	6	10%	6	LF	\$ 144.00	\$ 26.00	\$ 893	\$ 161	\$ 1,055	
			DIV-15	CONVEYING EQUIPMENT	0									\$ 134,434
				CONVEYANCE										
267				6" CW X 6" A Elevator, No. of Floors = 10 EA	1	0%	1	EA	\$ 74,220.00	\$ 55,212.00	\$ 74,220	\$ 55,212	\$ 129,432	
268				Car Controller	1	0%	1	EA	\$ 3,642.00	\$ 1,120.00	\$ 3,642	\$ 1,120	\$ 4,762	
			DIV-21	FINISH EXPRESSION	0									\$ 38,581
				CONDUCTORS										
269				2016 FPLP Cable	1,330	10%	1,462	LF	\$ 0.44	\$ 3.99	\$ 643	\$ 5,895	\$ 6,479	
270				2014 FPLP Cable	461	10%	508	LF	\$ 0.60	\$ 4.12	\$ 305	\$ 2,091	\$ 2,396	
271				18 Co Ground	8	10%	9	LF	\$ 1.75	\$ 7.14	\$ 14	\$ 79	\$ 93	
				CONDUIT										
272				3/4" Conduit R/G	83	10%	92	LF	\$ 3.27	\$ 11.63	\$ 300	\$ 1,067	\$ 1,367	
273				3/4" Conduit EMT	1,708	10%	1,878	LF	\$ 1.13	\$ 7.18	\$ 2,122	\$ 13,486	\$ 15,608	
				DEVICES										
274				CO - Carbon Monoxide Detector With Sounder Base	2	0%	2	EA	\$ 84.00	\$ 138.00	\$ 168	\$ 276	\$ 444	
275				PSD - Fire Smoke Detector	18	0%	18	EA	\$ 44.00	\$ 53.00	\$ 1,120	\$ 928	\$ 2,048	
276				PSD n - Fire Smoke Detector W/Kit Part Of Smoke Purge System	6	0%	6	EA	\$ 85.00	\$ 98.00	\$ 510	\$ 588	\$ 1,098	
277				H - Heat Detector	1	0%	1	EA	\$ 178.00	\$ 147.00	\$ 178	\$ 147	\$ 325	
278				PH - Pull Box	6	0%	6	EA	\$ 35.00	\$ 88.00	\$ 192	\$ 484	\$ 677	
279				R - ESV - Relay Elevator Shaft Vent	1	0%	1	EA	\$ 144.00	\$ 92.00	\$ 144	\$ 92	\$ 236	
280				R - ES - Relay Fan Shutdown	2	0%	2	EA	\$ 144.00	\$ 92.00	\$ 216	\$ 138	\$ 354	
281				R n - Relay Smoke Purge Fan	1	0%	1	EA	\$ 144.00	\$ 92.00	\$ 144	\$ 92	\$ 236	
282				S - Smoke Detector	11	0%	11	EA	\$ 245.00	\$ 117.00	\$ 2,573	\$ 1,229	\$ 3,801	
283				S D - Heat Smoke Detector	1	0%	1	EA	\$ 338.00	\$ 219.00	\$ 338	\$ 219	\$ 557	
284				S H - Area Smoke Detector Elevator Recall	1	0%	1	EA	\$ 120.00	\$ 64.00	\$ 120	\$ 64	\$ 184	
285				TS - Tension Switch	11	0%	11	EA	\$ 25.00	\$ 68.00	\$ 275	\$ 748	\$ 1,023	
286				WT - Water Flow Switch	6	0%	6	EA	\$ 25.00	\$ 68.00	\$ 150	\$ 408	\$ 558	
			DIV-22	PLUMBING	0									\$ 874,001
				COLD WATER PIPE										
				TYPE L WROUGHT COPPER										
287				1/2" Dia Cold Water Pipe	78	10%	86	LF	\$ 2.46	\$ 11.38	\$ 211	\$ 976	\$ 1,187	
288				3/4" Dia Cold Water Pipe	730	10%	803	LF	\$ 2.98	\$ 12.14	\$ 2,393	\$ 9,748	\$ 12,141	
289				1" Dia Cold Water Pipe	141	10%	155	LF	\$ 3.48	\$ 13.50	\$ 540	\$ 2,094	\$ 2,634	
290				1.1/4" Dia Cold Water Pipe	123	10%	135	LF	\$ 15.88	\$ 15.88	\$ 1,421	\$ 2,160	\$ 3,581	
291				1.1/2" Dia Cold Water Pipe	23	10%	25	LF	\$ 6.23	\$ 17.66	\$ 158	\$ 447	\$ 604	
292				2" Dia Cold Water Pipe	63	10%	69	LF	\$ 11.28	\$ 21.90	\$ 782	\$ 1,518	\$ 2,299	
293				2.1/2" Dia Cold Water Pipe	47	10%	52	LF	\$ 15.85	\$ 26.66	\$ 804	\$ 1,378	\$ 2,182	
294				4" Dia Cold Water Pipe	48	10%	53	LF	\$ 40.22	\$ 42.45	\$ 2,124	\$ 2,241	\$ 4,365	
				INSULATION										
				1" Thick molded fiber glass one-piece insulation with white Kraft, fiber glass reinforced, and aluminum foil laminated										
295				1/2" Dia Cold Water Pipe	78	10%	86	LF	\$ 0.96	\$ 6.30	\$ 82	\$ 541	\$ 623	
296				3/4" Dia Cold Water Pipe	730	10%	803	LF	\$ 1.05	\$ 6.50	\$ 843	\$ 5,220	\$ 6,063	
297				1" Dia Cold Water Pipe	141	10%	155	LF	\$ 1.14	\$ 6.86	\$ 177	\$ 1,064	\$ 1,241	
298				1.1/4" Dia Cold Water Pipe	123	10%	135	LF	\$ 1.52	\$ 7.10	\$ 206	\$ 961	\$ 1,166	
299				1.1/2" Dia Cold Water Pipe	23	10%	25	LF	\$ 1.86	\$ 7.36	\$ 47	\$ 186	\$ 233	
300				2" Dia Cold Water Pipe	63	10%	69	LF	\$ 2.20	\$ 7.55	\$ 152	\$ 623	\$ 775	
301				2.1/2" Dia Cold Water Pipe	47	10%	52	LF	\$ 2.42	\$ 7.86	\$ 125	\$ 406	\$ 531	
302				4" Dia Cold Water Pipe	48	10%	53	LF	\$ 2.85	\$ 8.66	\$ 150	\$ 457	\$ 607	
				COLD WATER PIPE FITTINGS										
				ELBOW										
303				1/2" Dia Cold Water Pipe 90 Deg Elbow	16	0%	16	EA	\$ 14.00	\$ 39.00	\$ 224	\$ 624	\$ 848	
304				3/4" Dia Cold Water Pipe 90 Deg Elbow	145	0%	145	EA	\$ 18.00	\$ 46.00	\$ 2,610	\$ 6,670	\$ 9,280	
305				1" Dia Cold Water Pipe 90 Deg Elbow	28	0%	28	EA	\$ 25.00	\$ 58.00	\$ 700	\$ 1,624	\$ 2,324	
306				1.1/4" Dia Cold Water Pipe 90 Deg Elbow	25	0%	25	EA	\$ 34.00	\$ 72.00	\$ 850	\$ 1,800	\$ 2,650	
307				1.1/2" Dia Cold Water Pipe 90 Deg Elbow	5	0%	5	EA	\$ 40.00	\$ 85.00	\$ 200	\$ 425	\$ 625	
308				2" Dia Cold Water Pipe 90 Deg Elbow	13	0%	13	EA	\$ 51.00	\$ 113.00	\$ 663	\$ 1,409	\$ 2,072	
309				2.1/2" Dia Cold Water Pipe 90 Deg Elbow	10	0%	10	EA	\$ 64.00	\$ 140.00	\$ 640	\$ 1,400	\$ 2,040	
310				4" Dia Cold Water Pipe 90 Deg Elbow	10	0%	10	EA	\$ 88.00	\$ 185.00	\$ 880	\$ 1,850	\$ 2,730	
				TEE										
311				3/4" 1/2" Dia Cold Water Pipe Tee	28	0%	28	EA	\$ 23.00	\$ 55.00	\$ 644	\$ 1,540	\$ 2,184	
312				3/4" Dia Cold Water Pipe Tee	36	0%	36	EA	\$ 23.00	\$ 55.00	\$ 828	\$ 1,980	\$ 2,808	
313				1" 3/4" Dia Cold Water Pipe Tee	20	0%	20	EA	\$ 32.00	\$ 68.00	\$ 640	\$ 1,360	\$ 2,000	
314				1.1/2" 1" Dia Cold Water Pipe Tee	10	0%	10	EA	\$ 46.00	\$ 102.00	\$ 460	\$ 1,020	\$ 1,480	
315				2" 1.1/2" Dia Cold Water Pipe Tee	14	0%	14	EA	\$ 58.00	\$ 125.00	\$ 812	\$ 1,750	\$ 2,562	
316				4" 2.1/2" Dia Cold Water Pipe Tee	3	0%	3	EA	\$ 108.00	\$ 230.00	\$ 324	\$ 660	\$ 984	
317				1/2" Dia Cold Water Pipe Tee	36	0%	36	EA	\$ 22.00	\$ 45.00	\$ 812	\$ 1,620	\$ 2,432	
318				1" Dia Cold Water Pipe Tee	23	0%	23	EA	\$ 32.00	\$ 68.00	\$ 1,056	\$ 2,244	\$ 3,300	
				REDUCER										
319				3/4" 1/2" Dia Cold Water Pipe Reducer	19	0%	19	EA	\$ 65.00	\$ 112.00	\$ 1,235	\$ 2,128	\$ 3,363	
320				3/4" 1/2" Dia Cold Water Pipe Reducer	20	0%	20	EA	\$ 34.00	\$ 70.00	\$ 680	\$ 1,400	\$ 2,080	
321				4" 2.1/2" Dia Cold Water Pipe Reducer	2	0%	2	EA	\$ 120.00	\$ 234.00	\$ 240	\$ 468	\$ 708	
322				1" 3/4" Dia Cold Water Pipe Reducer	27	0%	27	EA	\$ 54.00	\$ 100.00	\$ 1,458	\$ 2,700	\$ 4,158	
				HOT WATER PIPE										
				TYPE L WROUGHT COPPER										
323				1/2" Dia Hot Water Pipe	53	10%	58	LF	\$ 2.46	\$ 11.38	\$ 143	\$ 663	\$ 807	
324				3/4" Dia Hot Water Pipe	415	10%	457	LF	\$ 2.98	\$ 12.14	\$ 1,360	\$ 5,542	\$ 6,902	
325				1" Dia Hot Water Pipe	176	10%	194	LF	\$ 3.48	\$ 13.50	\$ 674	\$ 2,614	\$ 3,287	
326				1.1/4" Dia Hot Water Pipe	64	10%	70	LF	\$ 10.50	\$ 15.88	\$ 739	\$ 1,118	\$ 1,857	
327				1.1/2" Dia Hot Water Pipe	8	10%	9	LF	\$ 6.23	\$ 17.66	\$ 55	\$ 155	\$ 210	
328				2" Dia Hot Water Pipe	51	10%	56	LF	\$ 11.28	\$ 21.90	\$ 633	\$ 1,229	\$ 1,861	
329				2.1/2" Dia Hot Water Pipe	45	10%	50	LF	\$ 15.85	\$ 26.66	\$ 770	\$ 1,320	\$ 2,089	
330				1" Dia Hot Water Pipe	33	10%	36	LF	\$ 45.13	\$ 29.55	\$ 1,638	\$ 1,073	\$ 2,711	
				INSULATION										
				1.1/2" Thick molded fiber glass one-piece insulation with white Kraft, fiber glass reinforced, and aluminum foil laminated										
331				1/2" Dia Hot Water Pipe	53	10%	58	LF	\$ 0.96	\$ 6.30	\$ 56	\$ 367	\$ 423	
332				3/4" Dia Hot Water Pipe	415	10%	457	LF	\$ 1.05	\$ 6.50	\$ 479	\$ 2,967	\$ 3,447	
333				1" Dia Hot Water Pipe	176	10%	194	LF	\$ 1.14	\$ 6.86	\$ 221	\$ 1,328	\$ 1,549	
334				1.1/4" Dia Hot Water Pipe	64	10%	70	LF	\$ 1.52	\$ 7.10	\$ 107	\$ 500	\$ 607	
335				1.1/2" Dia Hot Water Pipe	8	10%	9	LF	\$ 1.86	\$ 7.36	\$ 16	\$ 85	\$ 101	
336				2" Dia Hot Water Pipe	51	10%	56	LF	\$ 2.20	\$ 7.55	\$ 121	\$ 424	\$ 545	
337				2.1/2" Dia Hot Water Pipe	45	10%	50	LF	\$ 2.42	\$ 7.86	\$ 120	\$ 389	\$ 509	
338				4" Dia Hot Water Pipe	33	10%	36	LF	\$ 2.68	\$ 8.14	\$ 97			

ITEM	REF. SHEET	DETAIL	CSI SECT	DESCRIPTION	QTY.	WASTAGE	QTY WITH WASTAGE	UNIT	UNIT MATERIAL COST	UNIT LABOR COST	TOTAL MATERIAL	TOTAL LABOR COST	TOTAL ITEM COST	TRADE COST
375				1-1/2" 1" Dia Hot Water Return Pipe Tee	2	0%	2	EA	\$ 40.00	\$ 85.00	\$ 80	\$ 170	\$ 250	
376				REDUCER	-	-	-	-	-	-	-	-	-	-
377				1" 3/4" Dia Hot Water Return Pipe Reducer	4	0%	4	EA	\$ 54.00	\$ 100.00	\$ 216	\$ 400	\$ 616	
				1-1/4" 1-1/4" Dia Hot Water Return Pipe Reducer	4	0%	4	EA	\$ 65.00	\$ 112.00	\$ 260	\$ 448	\$ 708	
				GAS PIPE	-	-	-	-	-	-	-	-	-	-
				SCH 40 Black Steel	-	-	-	-	-	-	-	-	-	-
378				1-1/2" Dia Gas Pipe	109	10%	120	LF	\$ 3.21	\$ 15.11	\$ 385	\$ 1,812	\$ 2,197	
379				1" Dia Gas Pipe	26	10%	29	LF	\$ 3.66	\$ 17.32	\$ 105	\$ 495	\$ 600	
380				1-1/4" Dia Gas Pipe	40	10%	44	LF	\$ 4.73	\$ 18.59	\$ 208	\$ 818	\$ 1,026	
381				1-1/2" Dia Gas Pipe	1	10%	1	LF	\$ 5.54	\$ 20.72	\$ 6	\$ 23	\$ 29	
382				2" Dia Gas Pipe	1	10%	1	LF	\$ 7.46	\$ 25.89	\$ 8	\$ 28	\$ 37	
383				2-1/2" Dia Gas Pipe	11	10%	12	LF	\$ 14.03	\$ 33.11	\$ 170	\$ 401	\$ 570	
384				1" Dia Gas Pipe	3	10%	3	LF	\$ 18.30	\$ 38.31	\$ 40	\$ 126	\$ 167	
385				4" Dia Gas Pipe	50	10%	55	LF	\$ 27.47	\$ 45.85	\$ 1,511	\$ 2,532	\$ 4,043	
386				6" Dia Gas Pipe	3	10%	3	LF	\$ 39.52	\$ 68.77	\$ 130	\$ 227	\$ 357	
				GAS PIPE FITTINGS	-	-	-	-	-	-	-	-	-	-
				ELBOW	-	-	-	-	-	-	-	-	-	-
387				1-1/2" Dia Gas Pipe 90 Deg Elbow	22	0%	22	EA	\$ 30.00	\$ 42.00	\$ 660	\$ 924	\$ 1,584	
388				1" Dia Gas Pipe 90 Deg Elbow	5	0%	5	EA	\$ 38.00	\$ 59.00	\$ 190	\$ 295	\$ 485	
389				1-1/4" Dia Gas Pipe 90 Deg Elbow	8	0%	8	EA	\$ 46.00	\$ 68.00	\$ 368	\$ 544	\$ 912	
390				2-1/2" Dia Gas Pipe 90 Deg Elbow	2	0%	2	EA	\$ 62.00	\$ 100.00	\$ 124	\$ 200	\$ 324	
391				1" Dia Gas Pipe 90 Deg Elbow	1	0%	1	EA	\$ 80.00	\$ 144.00	\$ 80	\$ 144	\$ 224	
392				4" Dia Gas Pipe 90 Deg Elbow	10	0%	10	EA	\$ 99.00	\$ 182.00	\$ 990	\$ 1,820	\$ 2,810	
393				6" Dia Gas Pipe 90 Deg Elbow	1	0%	1	EA	\$ 114.00	\$ 236.00	\$ 114	\$ 236	\$ 350	
				TEE	-	-	-	-	-	-	-	-	-	-
394				1" 3/4" Dia Gas Pipe Tee	4	0%	4	EA	\$ 49.00	\$ 78.00	\$ 196	\$ 312	\$ 508	
395				1-1/4" 1-1/4" Dia Gas Pipe Tee	16	0%	16	EA	\$ 38.00	\$ 68.00	\$ 608	\$ 960	\$ 1,568	
396				1-1/2" 1-1/2" Dia Gas Pipe Tee	2	0%	2	EA	\$ 55.00	\$ 88.00	\$ 110	\$ 176	\$ 286	
397				4" 2-1/2" Dia Gas Pipe Tee	3	0%	3	EA	\$ 116.00	\$ 230.00	\$ 348	\$ 690	\$ 1,038	
				REDUCER	-	-	-	-	-	-	-	-	-	-
398				6" 4" Dia Gas Pipe Reducer	1	0%	1	EA	\$ 120.00	\$ 246.00	\$ 120	\$ 246	\$ 366	
399				4" 2-1/2" Dia Gas Pipe Reducer	1	0%	1	EA	\$ 145.00	\$ 332.00	\$ 145	\$ 332	\$ 477	
				STORM DRAIN PIPE UNDERGROUND	-	-	-	-	-	-	-	-	-	-
				CAST IRON SOIL PIPE W/ BELL & SPIGOT FITTINGS	-	-	-	-	-	-	-	-	-	-
400				4" Dia Storm Drain Pipe - UG	24	10%	27	LF	\$ 24.03	\$ 30.14	\$ 899	\$ 1,127	\$ 2,026	
				STORM DRAIN PIPE	-	-	-	-	-	-	-	-	-	-
				CAST IRON NO HUB COUPLING	-	-	-	-	-	-	-	-	-	-
401				2" Dia Storm Drain Pipe	5	10%	6	LF	\$ 13.64	\$ 26.23	\$ 75	\$ 144	\$ 219	
402				3" Dia Storm Drain Pipe	77	10%	85	LF	\$ 18.30	\$ 27.09	\$ 1,550	\$ 2,295	\$ 3,845	
403				4" Dia Storm Drain Pipe	219	10%	241	LF	\$ 24.03	\$ 30.14	\$ 5,789	\$ 7,261	\$ 13,050	
404				6" Dia Storm Drain Pipe	55	10%	61	LF	\$ 40.71	\$ 35.66	\$ 2,463	\$ 2,157	\$ 4,620	
405				8" Dia Storm Drain Pipe	6	10%	7	LF	\$ 64.75	\$ 59.43	\$ 427	\$ 392	\$ 820	
406				10" Dia Storm Drain Pipe	14	10%	15	LF	\$ 105.91	\$ 64.52	\$ 1,632	\$ 994	\$ 2,625	
407				12" Dia Storm Drain W/ Heat Trace	4	10%	4	LF	\$ 18.30	\$ 27.09	\$ 81	\$ 119	\$ 200	
				INSULATION	-	-	-	-	-	-	-	-	-	-
				1" Thick molded fiber glass one-piece insulation with white Kraft, fiber glass reinforced, and aluminum foil laminated	-	-	-	-	-	-	-	-	-	-
408				2" Dia Storm Drain Pipe	5	10%	6	LF	\$ 2.20	\$ 7.55	\$ 12	\$ 42	\$ 54	
409				3" Dia Storm Drain Pipe	109	10%	120	LF	\$ 2.68	\$ 8.14	\$ 227	\$ 409	\$ 636	
410				4" Dia Storm Drain Pipe	219	10%	241	LF	\$ 2.85	\$ 8.66	\$ 687	\$ 1,086	\$ 1,772	
411				6" Dia Storm Drain Pipe	55	10%	61	LF	\$ 3.44	\$ 9.79	\$ 208	\$ 592	\$ 800	
412				8" Dia Storm Drain Pipe	6	10%	7	LF	\$ 3.85	\$ 10.44	\$ 25	\$ 69	\$ 94	
413				10" Dia Storm Drain Pipe	14	10%	15	LF	\$ 4.20	\$ 11.63	\$ 65	\$ 179	\$ 244	
414				12" Dia Storm Drain W/ Heat Trace	4	10%	4	LF	\$ 2.68	\$ 8.14	\$ 12	\$ 36	\$ 48	
				STORM DRAIN PIPE FITTINGS	-	-	-	-	-	-	-	-	-	-
				ELBOW	-	-	-	-	-	-	-	-	-	-
415				2" Dia Storm Drain Pipe 45 Deg Elbow	1	0%	1	EA	\$ 101.00	\$ 234.00	\$ 101	\$ 234	\$ 335	
416				1" Dia Storm Drain Pipe 45 Deg Elbow	16	0%	16	EA	\$ 128.00	\$ 275.00	\$ 2,048	\$ 4,440	\$ 6,488	
417				4" Dia Storm Drain Pipe 45 Deg Elbow	44	0%	44	EA	\$ 144.00	\$ 302.00	\$ 6,336	\$ 13,208	\$ 19,544	
418				6" Dia Storm Drain Pipe 45 Deg Elbow	11	0%	11	EA	\$ 108.00	\$ 244.00	\$ 1,188	\$ 3,784	\$ 5,632	
419				8" Dia Storm Drain Pipe 45 Deg Elbow	1	0%	1	EA	\$ 185.00	\$ 392.00	\$ 185	\$ 392	\$ 577	
420				10" Dia Storm Drain Pipe 45 Deg Elbow	3	0%	3	EA	\$ 207.00	\$ 446.00	\$ 606	\$ 1,338	\$ 1,944	
				WYE	-	-	-	-	-	-	-	-	-	-
421				1" 2" Dia Storm Drain Pipe Wye	1	0%	1	EA	\$ 145.00	\$ 330.00	\$ 145	\$ 330	\$ 475	
422				4" 2" Dia Storm Drain Pipe Wye	3	0%	3	EA	\$ 190.00	\$ 361.00	\$ 570	\$ 1,083	\$ 1,653	
423				4" Dia Storm Drain Pipe Wye	16	0%	16	EA	\$ 190.00	\$ 361.00	\$ 3,040	\$ 5,776	\$ 8,816	
424				10" 18" Dia Storm Drain Pipe Wye	1	0%	1	EA	\$ 248.00	\$ 520.00	\$ 248	\$ 520	\$ 768	
				WASTE UNDERGROUND	-	-	-	-	-	-	-	-	-	-
				CAST IRON SOIL PIPE W/ BELL & SPIGOT FITTINGS	-	-	-	-	-	-	-	-	-	-
425				3" Dia Waste Pipe - UG	14	10%	15	LF	\$ 18.30	\$ 27.09	\$ 282	\$ 417	\$ 699	
426				4" Dia Waste Pipe - UG	21	10%	23	LF	\$ 24.03	\$ 30.14	\$ 555	\$ 696	\$ 1,251	
427				6" Dia Waste Pipe - UG (MATERIAL CLASS 56)	9	10%	10	LF	\$ 40.71	\$ 35.66	\$ 403	\$ 353	\$ 756	
				WASTE PIPE	-	-	-	-	-	-	-	-	-	-
				CAST IRON NO HUB COUPLING	-	-	-	-	-	-	-	-	-	-
428				1" Dia Waste Pipe	41	10%	45	LF	\$ 8.58	\$ 21.20	\$ 387	\$ 956	\$ 1,343	
429				1-1/2" Dia Waste Pipe	85	10%	94	LF	\$ 9.76	\$ 23.35	\$ 913	\$ 2,183	\$ 3,096	
430				2" Dia Waste Pipe	290	10%	429	LF	\$ 10.15	\$ 24.71	\$ 4,354	\$ 10,601	\$ 14,955	
431				3" Dia Waste Pipe	289	10%	318	LF	\$ 13.29	\$ 25.89	\$ 4,225	\$ 8,230	\$ 12,455	
432				4" Dia Waste Pipe	581	10%	646	LF	\$ 17.51	\$ 28.53	\$ 10,613	\$ 17,292	\$ 27,905	
433				6" Dia Waste Pipe	15	10%	17	LF	\$ 25.20	\$ 34.60	\$ 416	\$ 571	\$ 987	
434				8" Dia Waste Pipe	22	10%	24	LF	\$ 38.60	\$ 42.50	\$ 924	\$ 1,029	\$ 1,953	
				WASTE PIPE FITTINGS	-	-	-	-	-	-	-	-	-	-
				ELBOW	-	-	-	-	-	-	-	-	-	-
435				1" Dia Waste Pipe 45 Deg Elbow	8	0%	8	EA	\$ 80.00	\$ 196.00	\$ 640	\$ 1,508	\$ 2,208	
436				1-1/2" Dia Waste Pipe 45 Deg Elbow	43	0%	43	EA	\$ 94.00	\$ 230.00	\$ 4,042	\$ 9,400	\$ 13,502	
437				2" Dia Waste Pipe 45 Deg Elbow	76	0%	76	EA	\$ 101.00	\$ 234.00	\$ 7,676	\$ 17,784	\$ 25,460	
438				3" Dia Waste Pipe 45 Deg Elbow	44	0%	44	EA	\$ 128.00	\$ 275.00	\$ 5,632	\$ 12,100	\$ 17,732	
439				4" Dia Waste Pipe 45 Deg Elbow	102	0%	102	EA	\$ 144.00	\$ 302.00	\$ 14,688	\$ 30,804	\$ 45,492	
440				6" Dia Waste Pipe 45 Deg Elbow	3	0%	3	EA	\$ 168.00	\$ 344.00	\$ 504	\$ 1,032	\$ 1,536	
441				8" Dia Waste Pipe 45 Deg Elbow	3	0%	3	EA	\$ 185.00	\$ 392.00	\$ 555	\$ 1,190	\$ 1,745	
				WYE	-	-	-	-	-	-	-	-	-	-
442				1" Dia Waste Pipe Wye	1	0%	1	EA	\$ 145.00	\$ 330.00	\$ 145	\$ 330	\$ 475	
443				4" 1-1/2" Dia Waste Pipe Wye	25	0%	25	EA	\$ 190.00	\$ 361.00	\$ 4,750	\$ 9,025	\$ 13,775	
444				4" 2" Dia Waste Pipe Wye	19	0%	19	EA	\$ 190.00	\$ 361.00	\$ 3,610	\$ 6,859	\$ 10,469	
445				4" Dia Waste Pipe Wye	19	0%	19	EA	\$ 190.00	\$ 361.00	\$ 3,610	\$ 6,859	\$ 10,469	
446				6" 4" Dia Waste Pipe Wye	5	0%	5	EA	\$ 238.00	\$ 491.00	\$ 1,190	\$ 2,455	\$ 3,645	
447				8" 6" Dia Waste Pipe Wye	1	0%	1	EA	\$ 251.00	\$ 546.00	\$ 251	\$ 546	\$ 797	
				VENT PIPE	-	-	-	-	-	-	-	-	-	-
				CAST IRON NO HUB COUPLING	-	-	-	-	-	-	-	-	-	-
448				1-1/2" Dia Vent Pipe	42	10%	46	LF	\$ 9.76	\$ 23.35	\$ 451	\$ 1,079	\$ 1,530	
449				2" Dia Vent Pipe	571	10%	628	LF	\$ 10.15	\$ 24.71	\$ 6,375	\$ 15,520	\$ 21,896	
450				3" Dia Vent Pipe	239	10%	263	LF	\$ 13.29	\$ 25.89	\$ 3,494	\$ 6,806	\$ 10,300	
451				4" Dia Vent Pipe	269	10%	296	LF	\$ 17.51	\$ 28.53	\$ 5,181	\$ 8,442	\$ 13,623	
452				6" Dia Vent Pipe	17	10%	19	LF	\$ 25.20	\$ 34.60	\$ 471	\$ 647	\$ 1,118	
453				8" Dia Vent Pipe	7	10%	8	LF	\$ 38.60	\$ 42.50	\$ 297	\$ 327	\$ 624	
				VENT PIPE FITTINGS	-	-	-	-	-	-	-	-	-	-
				ELBOW	-	-	-	-	-	-	-	-	-	-
454				1-1/2" Dia Vent Pipe 90 Deg Elbow	8	0%	8	EA	\$ 94.00	\$ 230.00	\$ 752	\$ 1,760	\$ 2,512	
455				2" Dia Vent Pipe 90 Deg Elbow	46	0%	46	EA	\$ 101.00	\$ 234.00	\$ 4,646	\$ 10,764	\$ 15,410	
456				4" Dia Vent Pipe 90 Deg Elbow	54	0%	54	EA	\$ 144.00					

ITEM	REF. SHEET	DETAIL	CSI SECT	DESCRIPTION	QTY.	WASTAGE	QTY WITH WASTAGE	UNIT	UNIT MATERIAL COST	UNIT LABOR COST	TOTAL MATERIAL	TOTAL LABOR COST	TOTAL ITEM COST	TRADE COST
489				Gas Meter	1	0%	1	EA	\$ 466.00	\$ 175.00	\$ 466	\$ 175	\$ 621	
490				Gas Pressure Regulator	1	0%	1	EA	\$ 642.00	\$ 220.00	\$ 642	\$ 220	\$ 862	
491				NFHWL Non Freeze Water Hydrant	2	0%	2	EA	\$ 184.00	\$ 105.00	\$ 368	\$ 210	\$ 578	
492				Water Meter	1	0%	1	EA	\$ 685.00	\$ 220.00	\$ 685	\$ 220	\$ 905	
493				8" Dia VTR Vent Thru Roof	1	0%	1	EA	\$ 120.00	\$ 165.00	\$ 120	\$ 165	\$ 285	
494				ET-1 Pressure Tank AMTROL WX 405 C	1	0%	1	EA	\$ 1,650.00	\$ 1,132.00	\$ 1,650	\$ 1,132	\$ 2,782	
495				ET-1 Refrigerator	23	0%	23	EA	\$ 1,410.00	\$ 268.00	\$ 32,430	\$ 8,464	\$ 40,894	
496				HOT WATER HEATER	-	-	-	-	-	-	-	-	-	-
				HW1-1, Hot Water Heater, AERCO INN1350N-SV W/AMTROL WX 405 C	1	0%	1	EA	\$ 2,356.00	\$ 1,127.00	\$ 2,356	\$ 1,127	\$ 3,483	
497				HUBLESS COUPLINGS	-	-	-	-	-	-	-	-	-	-
				1-1/2" Dia Coupling	16	0%	16	EA	\$ 2.10	\$ 3.86	\$ 34	\$ 62	\$ 95	
498				1" Dia Coupling	145	0%	145	EA	\$ 1.96	\$ 3.44	\$ 284	\$ 499	\$ 783	
499				2" Dia Coupling	347	0%	347	EA	\$ 2.50	\$ 4.20	\$ 868	\$ 1,457	\$ 2,325	
500				3" Dia Coupling	236	0%	236	EA	\$ 2.60	\$ 4.85	\$ 614	\$ 1,145	\$ 1,758	
501				4" Dia Coupling	667	0%	667	EA	\$ 3.40	\$ 5.20	\$ 2,268	\$ 3,468	\$ 5,736	
502				6" Dia Coupling	64	0%	64	EA	\$ 4.22	\$ 6.50	\$ 270	\$ 416	\$ 686	
503				8" Dia Coupling	23	0%	23	EA	\$ 5.10	\$ 7.40	\$ 117	\$ 170	\$ 288	
504				10" Dia Coupling	7	0%	7	EA	\$ 6.40	\$ 8.50	\$ 45	\$ 60	\$ 104	
505				PIPE SUPPORT	-	-	-	-	-	-	-	-	-	-
				1/2" Dia Adjustable Clevs Hanger	22	0%	22	EA	\$ 1.59	\$ 8.78	\$ 35	\$ 193	\$ 228	
506				3/4" Dia Adjustable Clevs Hanger	141	0%	141	EA	\$ 1.48	\$ 8.93	\$ 209	\$ 1,258	\$ 1,467	
507				1" Dia Adjustable Clevs Hanger	48	0%	48	EA	\$ 1.55	\$ 8.85	\$ 105	\$ 402	\$ 507	
508				1-1/4" Dia Adjustable Clevs Hanger	42	0%	42	EA	\$ 1.77	\$ 9.53	\$ 74	\$ 400	\$ 474	
509				2" Dia Adjustable Clevs Hanger	108	0%	108	EA	\$ 2.11	\$ 9.68	\$ 228	\$ 1,045	\$ 1,273	
510				2-1/2" Dia Adjustable Clevs Hanger	11	0%	11	EA	\$ 3.10	\$ 9.92	\$ 34	\$ 109	\$ 143	
511				3" Dia Adjustable Clevs Hanger	65	0%	65	EA	\$ 4.10	\$ 10.28	\$ 267	\$ 668	\$ 934	
512				4" Dia Adjustable Clevs Hanger	115	0%	115	EA	\$ 5.07	\$ 10.88	\$ 583	\$ 1,251	\$ 1,834	
513				6" Dia Adjustable Clevs Hanger	9	0%	9	EA	\$ 5.50	\$ 12.00	\$ 50	\$ 108	\$ 158	
514				8" Dia Adjustable Clevs Hanger	4	0%	4	EA	\$ 5.66	\$ 12.44	\$ 23	\$ 50	\$ 72	
515				10" Dia Adjustable Clevs Hanger	32	0%	32	EA	\$ 6.00	\$ 12.70	\$ 192	\$ 401	\$ 593	
516				1/2" Dia Threaded Rod (1 Ea = 1 FT)	35	0%	35	EA	\$ 4.75	\$ 9.82	\$ 166	\$ 344	\$ 510	
517				3/8" Dia Threaded Rod (1 Ea = 1 FT)	271	0%	271	EA	\$ 5.02	\$ 10.50	\$ 1,360	\$ 2,846	\$ 4,206	
518				5/8" Dia Threaded Rod (1 Ea = 1 FT)	366	0%	366	EA	\$ 6.80	\$ 12.53	\$ 2,481	\$ 3,833	\$ 5,913	
				DUCTS	-	-	-	-	-	-	-	-	-	-
519				6"x6" Supply Air Duct	29	10%	32	FT	\$ -	\$ -	\$ -	\$ -	\$ -	
520				8"x6" Supply Air Duct	46	10%	50	FT	\$ -	\$ -	\$ -	\$ -	\$ -	
521				8"x6" Supply Air Duct (Lined)	14	10%	15	FT	\$ -	\$ -	\$ -	\$ -	\$ -	
522				10"x6" Supply Air Duct	79	10%	86	FT	\$ -	\$ -	\$ -	\$ -	\$ -	
523				10"x6" Supply Air Duct (Lined)	166	10%	182	FT	\$ -	\$ -	\$ -	\$ -	\$ -	
524				10"x8" Supply Air Duct	9	10%	10	FT	\$ -	\$ -	\$ -	\$ -	\$ -	
525				12"x6" Supply Air Duct	39	10%	43	FT	\$ -	\$ -	\$ -	\$ -	\$ -	
526				12"x6" Supply Air Duct (Lined)	292	10%	321	FT	\$ -	\$ -	\$ -	\$ -	\$ -	
527				12"x6" Supply Air Duct (Lined)	102	10%	112	FT	\$ -	\$ -	\$ -	\$ -	\$ -	
528				12"x8" Supply Air Duct	22	10%	24	FT	\$ -	\$ -	\$ -	\$ -	\$ -	
529				12"x8" Supply Air Duct (Lined)	4	10%	4	FT	\$ -	\$ -	\$ -	\$ -	\$ -	
530				14"x6" Supply Air Duct	25	10%	27	FT	\$ -	\$ -	\$ -	\$ -	\$ -	
531				14"x6" Supply Air Duct (Lined)	11	10%	12	FT	\$ -	\$ -	\$ -	\$ -	\$ -	
532				14"x8" Supply Air Duct	24	10%	27	FT	\$ -	\$ -	\$ -	\$ -	\$ -	
533				14"x8" Supply Air Duct (Lined)	79	10%	87	FT	\$ -	\$ -	\$ -	\$ -	\$ -	
534				16"x10" Supply Air Duct	2	10%	2	FT	\$ -	\$ -	\$ -	\$ -	\$ -	
535				16"x10" Supply Air Duct (Lined)	10	10%	11	FT	\$ -	\$ -	\$ -	\$ -	\$ -	
536				16"x6" Supply Air Duct	5	10%	6	FT	\$ -	\$ -	\$ -	\$ -	\$ -	
537				16"x6" Supply Air Duct (Lined)	40	10%	44	FT	\$ -	\$ -	\$ -	\$ -	\$ -	
538				16"x8" Supply Air Duct	11	10%	12	FT	\$ -	\$ -	\$ -	\$ -	\$ -	
539				16"x8" Supply Air Duct (Lined)	4	10%	4	FT	\$ -	\$ -	\$ -	\$ -	\$ -	
540				18"x10" Supply Air Duct	1	10%	2	FT	\$ -	\$ -	\$ -	\$ -	\$ -	
541				18"x6" Supply Air Duct	15	10%	17	FT	\$ -	\$ -	\$ -	\$ -	\$ -	
542				18"x6" Supply Air Duct (Lined)	311	10%	342	FT	\$ -	\$ -	\$ -	\$ -	\$ -	
543				18"x8" Supply Air Duct	14	10%	15	FT	\$ -	\$ -	\$ -	\$ -	\$ -	
544				18"x8" Supply Air Duct (Lined)	120	10%	132	FT	\$ -	\$ -	\$ -	\$ -	\$ -	
545				20"x6" Supply Air Duct	2	10%	3	FT	\$ -	\$ -	\$ -	\$ -	\$ -	
546				20"x8" Supply Air Duct	49	10%	54	FT	\$ -	\$ -	\$ -	\$ -	\$ -	
547				20"x8" Supply Air Duct (Lined)	62	10%	68	FT	\$ -	\$ -	\$ -	\$ -	\$ -	
548				22"x8" Supply Air Duct	1	10%	1	FT	\$ -	\$ -	\$ -	\$ -	\$ -	
549				24"x8" Supply Air Duct (Lined)	9	10%	10	FT	\$ -	\$ -	\$ -	\$ -	\$ -	
550				30"x24" Supply Air Duct	28	10%	31	FT	\$ -	\$ -	\$ -	\$ -	\$ -	
551				34"x20" Supply Air Duct	82	10%	90	FT	\$ -	\$ -	\$ -	\$ -	\$ -	
552				36"x20" Supply Air Duct	35	10%	38	FT	\$ -	\$ -	\$ -	\$ -	\$ -	
553				10"x6" Return Air Duct	3	10%	3	FT	\$ -	\$ -	\$ -	\$ -	\$ -	
554				10"x6" Return Air Duct (Lined)	15	10%	16	FT	\$ -	\$ -	\$ -	\$ -	\$ -	
555				12"x6" Return Air Duct (Lined)	13	10%	15	FT	\$ -	\$ -	\$ -	\$ -	\$ -	
556				12"x8" Return Air Duct (Lined)	2	10%	2	FT	\$ -	\$ -	\$ -	\$ -	\$ -	
557				12"x8" Return Air Duct (Lined)	2	10%	2	FT	\$ -	\$ -	\$ -	\$ -	\$ -	
558				14"x8" Return Air Duct (Lined)	4	10%	5	FT	\$ -	\$ -	\$ -	\$ -	\$ -	
559				14"x8" Return Air Duct (Lined)	2	10%	2	FT	\$ -	\$ -	\$ -	\$ -	\$ -	
560				18"x6" Return Air Duct (Lined)	52	10%	57	FT	\$ -	\$ -	\$ -	\$ -	\$ -	
561				18"x8" Return Air Duct (Lined)	5	10%	6	FT	\$ -	\$ -	\$ -	\$ -	\$ -	
562				24"x8" Return Air Duct (Lined)	2	10%	2	FT	\$ -	\$ -	\$ -	\$ -	\$ -	
563				25"x4" Exhaust Air Duct	700	10%	770	FT	\$ -	\$ -	\$ -	\$ -	\$ -	
564				6" Dia Dryer Exhaust Duct	6	10%	7	FT	\$ -	\$ -	\$ -	\$ -	\$ -	
565				8"x6" Exhaust Air Duct	35	10%	38	FT	\$ -	\$ -	\$ -	\$ -	\$ -	
566				8"x6" Toilet Exhaust Duct	8	10%	9	FT	\$ -	\$ -	\$ -	\$ -	\$ -	
567				10"x6" Toilet Exhaust Duct	155	10%	171	FT	\$ -	\$ -	\$ -	\$ -	\$ -	
568				10"x6" Toilet Exhaust Duct	35	10%	38	FT	\$ -	\$ -	\$ -	\$ -	\$ -	
569				10"x8" Exhaust Air Duct	927	10%	1,019	FT	\$ -	\$ -	\$ -	\$ -	\$ -	
570				10"x8" Exhaust Air Duct (1" Thick Insulation)	20	10%	22	FT	\$ -	\$ -	\$ -	\$ -	\$ -	
571				10"x8" Exhaust Air Duct (2-Hr Fire Rated Duct Wrap)	12	10%	13	FT	\$ -	\$ -	\$ -	\$ -	\$ -	
572				10"x8" Toilet Exhaust Duct	38	10%	42	FT	\$ -	\$ -	\$ -	\$ -	\$ -	
573				12"x6" Exhaust Air Duct	27	10%	30	FT	\$ -	\$ -	\$ -	\$ -	\$ -	
574				12"x8" Exhaust Air Duct	18	10%	20	FT	\$ -	\$ -	\$ -	\$ -	\$ -	
575				14" Dia Dryer Exhaust Duct	9	10%	10	FT	\$ -	\$ -	\$ -	\$ -	\$ -	
576				14"x10" Exhaust Air Duct	25	10%	28	FT	\$ -	\$ -	\$ -	\$ -	\$ -	
577				14"x6" Exhaust Air Duct	32	10%	36	FT	\$ -	\$ -	\$ -	\$ -	\$ -	
578				14"x8" Exhaust Air Duct	80	10%	88	FT	\$ -	\$ -	\$ -	\$ -	\$ -	
579				16"x10" Exhaust Air Duct	20	10%	22	FT	\$ -	\$ -	\$ -	\$ -	\$ -	
580				16"x12" Exhaust Air Duct	11	10%	12	FT	\$ -	\$ -	\$ -	\$ -	\$ -	
581				16"x6" Exhaust Air Duct	2	10%	2	FT	\$ -	\$ -	\$ -	\$ -	\$ -	
582				18"x6" Exhaust Air Duct	9	10%	10	FT	\$ -	\$ -	\$ -	\$ -	\$ -	
583				18"x8" Exhaust Air Duct	33	10%	36	FT	\$ -	\$ -	\$ -	\$ -	\$ -	
584				20"x12" Dryer Exhaust Duct	12	10%	13	FT	\$ -	\$ -	\$ -	\$ -	\$ -	
585				20"x12" Exhaust Air Duct	13	10%	15	FT	\$ -	\$ -	\$ -	\$ -	\$ -	
586				20"x8" Exhaust Air Duct	22	10%	24	FT	\$ -	\$ -	\$ -	\$ -	\$ -	
587				22"x10" Exhaust Air Duct	9	10%	10	FT	\$ -	\$ -	\$ -	\$ -	\$ -	
588				24"x24" Exhaust Air Duct Insulated	30	10%	33	FT	\$ -	\$ -	\$ -	\$ -	\$ -	
589				26"x10" Exhaust Air Duct	4	10%	4	FT	\$ -	\$ -	\$ -	\$ -	\$ -	
590				26"x12" Exhaust Air Duct	11	10%	12	FT	\$ -	\$ -	\$ -	\$ -	\$ -	
591				26"x14" Exhaust Air Duct	33	10%	36	FT	\$ -	\$ -	\$ -	\$ -	\$ -	
592				26"x20" Exhaust Air Duct	28	10%	31	FT	\$ -	\$ -	\$ -	\$ -	\$ -	
593				26"x24" Exhaust Air Duct	6	10%	7	FT	\$ -	\$ -	\$ -	\$ -	\$ -	
594				28"x14" Exhaust Air Duct	4	10%	4	FT	\$ -	\$ -	\$ -	\$ -	\$ -	
595				32"x20" Exhaust Air Duct	6	10%	7	FT	\$ -	\$ -	\$ -	\$ -	\$ -	
596				32"x20" Exhaust Air Duct	6	10%	6	FT	\$ -	\$ -	\$ -	\$ -	\$ -	
597				36"x16" Exhaust Air Duct	12	10%	13	FT	\$ -	\$ -	\$ -	\$ -	\$ -	
598				40"x20" Exhaust Air Duct	7	10%	8	FT	\$ -	\$ -	\$ -	\$ -	\$ -	
599				44"x20" Exhaust Air Duct	13	10%	14	FT	\$ -	\$ -	\$ -	\$ -	\$ -	
600				32"x12" Exhaust										

ITEM	REF. SHEET	DETAIL	CSI SECT	DESCRIPTION	QTY.	WASTAGE	QTY WITH WASTAGE	UNIT	UNIT MATERIAL COST	UNIT LABOR COST	TOTAL MATERIAL	TOTAL LABOR COST	TOTAL ITEM COST	TRADE COST
625				1/2" Dia Refrigeration Liquid Pipe	2,000	10%	2,200	LF	\$	2.46	\$	5,412	\$	26,448
626				3/8" Dia Refrigeration Liquid Pipe	62	10%	68	LF	\$	2.09	\$	140.58	\$	8,329
627				5/8" Dia Refrigeration Suction Pipe	622	10%	684	LF	\$	5.94	\$	4,061.58	\$	7,951
628				3/4" Dia Refrigeration Suction Pipe	620	10%	682	LF	\$	2.98	\$	2,012.36	\$	8,279
629				1/2" Dia Refrigeration Gas Pipe	170	10%	187	LF	\$	3.20	\$	1,310.40	\$	2,450
630				1-1/8" Dia Refrigeration Gas Pipe	270	10%	297	LF	\$	10.50	\$	3,119.50	\$	4,716
				REFRIGERANT PIPE FITTINGS	-		-							
				FLARE	-		-							
631				1/4" Refrigeration Liquid Pipe 90 Deg Elbow	3,340	0%	3,340	EA	\$	6.50	\$	21,767.50	\$	47,421
632				1/2" Dia Refrigeration Liquid Pipe 90 Deg Elbow	385	0%	385	EA	\$	14.00	\$	5,393.00	\$	14,996
633				3/8" Dia Refrigeration Liquid Pipe 90 Deg Elbow	132	0%	132	EA	\$	16.50	\$	2,178.00	\$	5,597
634				5/8" Dia Refrigeration Suction Pipe 90 Deg Elbow	132	0%	132	EA	\$	18.50	\$	2,442.00	\$	6,019
635				3/4" Dia Refrigeration Suction Pipe 90 Deg Elbow	132	0%	132	EA	\$	18.00	\$	2,396.00	\$	5,761
636				7/8" Dia Refrigeration Gas Pipe 90 Deg Elbow	58	0%	58	EA	\$	25.00	\$	1,450.00	\$	3,800
637				1-1/8" Dia Refrigeration Gas Pipe 90 Deg Elbow	33	0%	33	EA	\$	34.00	\$	1,122.00	\$	2,376
				AIR DEVICES	-		-							
638				RG-1, Supply Return, TITUS CT-480	24	0%	24	EA	\$	144.00	\$	3,456.00	\$	1,528
639				RG-2, Supply Return, TITUS CT-480	70	0%	70	EA	\$	144.00	\$	10,080.00	\$	4,518
640				RG-3, Supply Return, TITUS CT-480	66	0%	66	EA	\$	144.00	\$	9,504.00	\$	4,258
641				Supply Diffuser, TITUS 355 RS	1	0%	1	EA	\$	162.00	\$	162.00	\$	74
642				Supply Diffuser, TITUS 355 RS, 1030 CFM	12	0%	12	EA	\$	348.00	\$	4,176.00	\$	135
643				Supply Diffuser, TITUS 355 RS, 130 CFM	2	0%	2	EA	\$	230.00	\$	460.00	\$	120
644				Supply Diffuser, TITUS 355 RS, 150 CFM	1	0%	1	EA	\$	230.00	\$	230.00	\$	80
645				Supply Diffuser, TITUS 355 RS, 25 CFM	3	0%	3	EA	\$	107.00	\$	321.00	\$	144
646				Supply Diffuser, TITUS 355 RS, 300 CFM	2	0%	2	EA	\$	263.00	\$	526.00	\$	144
647				Supply Diffuser, TITUS 355 RS, 350 CFM	2	0%	2	EA	\$	263.00	\$	526.00	\$	192
648				Supply Diffuser, TITUS 355 RS, 360 CFM	1	0%	1	EA	\$	263.00	\$	263.00	\$	96
649				Supply Diffuser, TITUS 355 RS, 75 CFM	1	0%	1	EA	\$	107.00	\$	107.00	\$	48
650				Supply Linear Diffuser, TITUS FL-10-HT, 160 CFM	4	0%	4	EA	\$	230.00	\$	920.00	\$	320
651				Supply Linear Diffuser, TITUS FL-10-HT, 175 CFM	4	0%	4	EA	\$	230.00	\$	920.00	\$	320
652				Supply Linear Diffuser, TITUS FL-10-JT, 200 CFM	1	0%	1	EA	\$	244.00	\$	244.00	\$	87
653				Supply Linear Diffuser, TITUS FL-10-JT, 200 CFM	3	0%	3	EA	\$	244.00	\$	732.00	\$	261
654				Supply Linear Diffuser, TITUS FL-10-JT, 215 CFM	3	0%	3	EA	\$	244.00	\$	732.00	\$	261
655				Return Diffuser, TITUS 355 RL, 310 CFM	1	0%	1	EA	\$	263.00	\$	263.00	\$	96
656				Return Diffuser, TITUS 355 RL, 350 CFM	2	0%	2	EA	\$	263.00	\$	526.00	\$	192
657				Return Grille, TITUS 355 RL	2	0%	2	EA	\$	263.00	\$	526.00	\$	192
658				Exhaust Grille, TITUS 355 RL, 375 / 530	1	0%	1	EA	\$	263.00	\$	263.00	\$	96
659				Exhaust Grille, TITUS 355 RL, 150 CFM	2	0%	2	EA	\$	244.00	\$	488.00	\$	174
660				Exhaust Grille, TITUS 355 RL, 25 CFM	2	0%	2	EA	\$	244.00	\$	488.00	\$	131
661				Exhaust Grille, TITUS 355 RL, 200 CFM	2	0%	2	EA	\$	244.00	\$	488.00	\$	131
662				Exhaust Grille, TITUS 355 RL, 75 CFM	2	0%	2	EA	\$	244.00	\$	488.00	\$	131
663				Exhaust Grille, TITUS 355 RL, 300 CFM	1	0%	1	EA	\$	263.00	\$	263.00	\$	96
664				Exhaust Grille, TITUS 355 RL, 150 CFM	2	0%	2	EA	\$	263.00	\$	526.00	\$	192
665				Exhaust Grille, TITUS 355 RL, 80 CFM	3	0%	3	EA	\$	107.00	\$	321.00	\$	144
666				Exhaust Grille, TITUS 355 RL, 75 CFM	6	0%	6	EA	\$	107.00	\$	642.00	\$	264
667				6"x6" Ceiling Exhaust Register, TITUS 355 RL, 30 CFM	33	0%	33	EA	\$	107.00	\$	3,531.00	\$	1,560
668				Transfer Grille, TITUS 355 RL	56	0%	56	EA	\$	50.00	\$	2,800.00	\$	6,544
669				6"x6" Transfer Register, TITUS 355 RL, 30 CFM	54	0%	54	EA	\$	107.00	\$	5,778.00	\$	2,568
670				24"x48" Bottom Register (Purge), TITUS 355 ZRL, 6000 CFM	5	0%	5	EA	\$	568.00	\$	2,840.00	\$	925
				ROOF TOP UNIT	-		-							
				UNIT HEATER	-		-							
671				WHM-1, Unit Heater, STELPRO AW300RT	3	0%	3	EA	\$	1,488.00	\$	4,464.00	\$	2,760
672				CMH-1, Unit Heater, STELPRO ACT300RC24	6	0%	6	EA	\$	1,488.00	\$	8,928.00	\$	5,520
673				CUH-1, Unit Heater, STELPRO ASH303CTCHAR	2	0%	2	EA	\$	2,651.00	\$	5,302.00	\$	2,120
674				CUH-2, Unit Heater, STELPRO ASH303CTCHAR	2	0%	2	EA	\$	2,651.00	\$	5,302.00	\$	2,120
675				CUH-1, Unit Heater, STELPRO ASK300	1	0%	1	EA	\$	3,110.00	\$	3,110.00	\$	1,652
				FAN SCHEDULE	-		-							
676				GH-1, Exhaust Fan, GREENHECK, SQ-40-VG	1	0%	1	EA	\$	334.00	\$	334.00	\$	185
				EXHAUST	-		-							
677				0.5 SQ.FT Louver	3	0%	3	EA	\$	194.00	\$	582.00	\$	195
678				ISOFT, Exhaust Louver W/ Wire Mesh	1	0%	1	EA	\$	234.00	\$	234.00	\$	102
679				1 SQ.FT Louver	1	0%	1	EA	\$	292.00	\$	292.00	\$	144
				AIR CONDITIONING UNIT	-		-							
				CONDENSING UNIT	-		-							
				DAMPER	-		-							
680				10"x6" Damper	26	0%	26	EA	\$	140.00	\$	3,640.00	\$	1,173
681				10"x6" Fire Damper	3	0%	3	EA	\$	140.00	\$	420.00	\$	115
682				10"x6" Fire Smoke Damper	2	0%	2	EA	\$	140.00	\$	280.00	\$	92
683				10"x8" Damper	2	0%	2	EA	\$	144.00	\$	288.00	\$	75
684				10"x8" Fire Damper	8	0%	8	EA	\$	144.00	\$	1,152.00	\$	375
685				12"x6" Cable Operated Damper	4	0%	4	EA	\$	213.00	\$	852.00	\$	212
686				12"x6" Damper	26	0%	26	EA	\$	213.00	\$	5,538.00	\$	1,352
687				12"x6" Fire Smoke Damper	2	0%	2	EA	\$	213.00	\$	426.00	\$	80
688				12"x6" Fire Smoke Damper	1	0%	1	EA	\$	213.00	\$	213.00	\$	63
689				12"x8" Damper	3	0%	3	EA	\$	220.00	\$	660.00	\$	138
690				14"x6" Damper	3	0%	3	EA	\$	167.00	\$	501.00	\$	171
691				14"x6" Fire Damper	2	0%	2	EA	\$	167.00	\$	334.00	\$	86
692				14"x6" Fire Smoke Damper	1	0%	1	EA	\$	167.00	\$	167.00	\$	67
693				14"x8" Damper	8	0%	8	EA	\$	185.00	\$	1,480.00	\$	480
694				14"x8" Fire Smoke Damper	2	0%	2	EA	\$	185.00	\$	370.00	\$	96
695				16"x10" Damper	1	0%	1	EA	\$	209.00	\$	209.00	\$	64
696				16"x6" Damper	3	0%	3	EA	\$	209.00	\$	627.00	\$	160
697				18"x6" Damper	3	0%	3	EA	\$	222.00	\$	666.00	\$	175
698				18"x8" Damper	1	0%	1	EA	\$	222.00	\$	222.00	\$	70
699				18"x8" Fire Damper	2	0%	2	EA	\$	222.00	\$	444.00	\$	105
700				24"x6" Fire Smoke Damper	1	0%	1	EA	\$	289.00	\$	289.00	\$	86
701				30"x24" Fire Smoke Damper	2	0%	2	EA	\$	341.00	\$	682.00	\$	182
702				34"x20" Fire Smoke Damper	3	0%	3	EA	\$	375.00	\$	1,125.00	\$	325
703				6"x6" Damper	9	0%	9	EA	\$	65.00	\$	585.00	\$	149
704				8"x6" Damper	9	0%	9	EA	\$	65.00	\$	585.00	\$	149
705				8"x6" Fire Damper	2	0%	2	EA	\$	65.00	\$	130.00	\$	104
706				8"x6" Fire Smoke Damper	2	0%	2	EA	\$	65.00	\$	130.00	\$	104
				MISC	-		-							
707				RC Box	16	0%	16	EA	\$	48.00	\$	768.00	\$	1,442
708				Thermostat	23	0%	23	EA	\$	85.00	\$	1,955.00	\$	1,530
709				RC Box	16	0%	16	EA	\$	48.00	\$	768.00	\$	1,442
				DUCT WEIGHT	-		-							
710				Galvanized Sheet Metal Duct	15,743	0%	15,743	LB	\$	0.73	\$	11,492.39	\$	185,132
				DUCT INSULATION	-		-							
711				1-1/2" Thick Mineral Fiber Blanket	2,603	0%	2,603	SQFT	\$	0.35	\$	911.05	\$	15,303
712				2" Thick Mineral Fiber Blanket	4,851	0%	4,851	SQFT	\$	0.46	\$	2,233.86	\$	40,888
713				1" Thick Accoustical Liner (Thickness Assumed)	4,851	0%	4,851	SQFT	\$	0.30	\$	1,455.30	\$	26,486
714				2" Thick Calcium Insulation	52	0%	52	SQFT	\$	0.46	\$	24.32	\$	348
715				2-48 Fire Rated Duct Wrap	36	0%	36	SQFT	\$	0.46	\$	16.56	\$	241
716				1" Thick Mineral Fiber (Exhaust Duct as Mentioned on Drawing Sheet)	300	0%	300	SQFT	\$	0.30	\$	90.00	\$	1,628
				DUCT SUPPORT	-		-							
717				3/8" Threaded Rod	874	0%	874	EA	\$	6.80	\$	5,939.20	\$	10,947
718				1" x 22 Ga. Strap	437	0%	437	EA	\$	5.20	\$	2,273.40	\$	3,835
				DISTRIBUTION	-		-							
				CABLE TRAY	-		-							
719				12" W X 8" D Cabletray (Contractor shall coordinate all conduit routing shown with mechanical)	6	5%	6	LF	\$	44.50	\$	267.00	\$	221
720				20" W X 8" D Cabletray with 2EA 90 Degree Elbow Bends (Contractor shall coordinate all conduit routing with mechanical)	15	0%	15	EA	\$	34.00</				

ITEM #	REF. SHEET	DETAIL	CSI SECT	DESCRIPTION	QTY.	WASTAGE	QTY WITH WASTAGE	UNIT	UNIT MATERIAL COST	UNIT LABOR COST	TOTAL MATERIAL	TOTAL LABOR COST	TOTAL ITEM COST	TRADE COST
757				34350MCM TYPE-MC VITALLINK CABLE or 3440 TYPE-MC CABLE CU (with 2 Cable Terminations As Required)	10	10%	11	LF	\$ 36.93	\$ 8.51	\$ 711	\$ 164	\$ 875	
758				#50KCMIL CU	50	10%	55	LF	\$ 45.40	\$ 9.01	\$ 2,496	\$ 495	\$ 2,992	
759				#50KCMIL CU	70	10%	77	LF	\$ 51.19	\$ 9.34	\$ 3,944	\$ 720	\$ 4,663	
760				#750KCMIL CU	744	10%	818	LF	\$ 68.50	\$ 11.20	\$ 56,060	\$ 9,166	\$ 65,226	
761				#750KCMIL CU	828	10%	911	LF	\$ 68.50	\$ 11.20	\$ 62,396	\$ 10,201	\$ 72,597	
762				#900KCMIL CU	1,049	10%	1,154	LF	\$ 84.30	\$ 14.50	\$ 97,241	\$ 16,730	\$ 113,970	
763				TERMINATION	-									
764				Compression Lugs CU With 1-Hole, #8 CU Wire	10	0%	10	EA	\$ 14.00	\$ 10.00	\$ 140	\$ 100	\$ 240	
765				Heat Shrink Tubing For #8 CU Wire	10	0%	10	EA	\$ 14.00	\$ 10.00	\$ 140	\$ 100	\$ 240	
766				Compression Lugs CU With 1-Hole, #6 CU Wire	52	0%	52	EA	\$ 16.50	\$ 11.84	\$ 858	\$ 616	\$ 1,474	
767				Heat Shrink Tubing For #6 CU Wire	52	0%	52	EA	\$ 16.50	\$ 11.84	\$ 858	\$ 616	\$ 1,474	
768				Compression Lugs CU With 1-Hole, #4 CU Wire	27	0%	27	EA	\$ 19.32	\$ 12.50	\$ 512	\$ 331	\$ 843	
769				Heat Shrink Tubing For #4 CU Wire	27	0%	27	EA	\$ 19.32	\$ 12.50	\$ 512	\$ 331	\$ 843	
770				Compression Lugs CU With 1-Hole, #2 CU Wire	10	0%	10	EA	\$ 19.32	\$ 12.50	\$ 194	\$ 119	\$ 313	
771				Heat Shrink Tubing For #2 CU Wire	10	0%	10	EA	\$ 19.32	\$ 12.50	\$ 194	\$ 119	\$ 313	
772				Compression Lugs CU With 1-Hole, #1 CU Wire	2	0%	2	EA	\$ 19.32	\$ 12.50	\$ 29	\$ 19	\$ 48	
773				Heat Shrink Tubing For #1 CU Wire	2	0%	2	EA	\$ 19.32	\$ 12.50	\$ 29	\$ 19	\$ 48	
774				Compression Lugs CU With 1-Hole, #1/0 CU Wire	17	0%	17	EA	\$ 19.32	\$ 12.50	\$ 328	\$ 213	\$ 541	
775				Heat Shrink Tubing For #1/0 CU Wire	17	0%	17	EA	\$ 19.32	\$ 12.50	\$ 328	\$ 213	\$ 541	
776				Compression Lugs CU With 1-Hole, #2/0 CU Wire	154	0%	154	EA	\$ 19.32	\$ 12.50	\$ 2,966	\$ 1,919	\$ 4,884	
777				Heat Shrink Tubing For #2/0 CU Wire	154	0%	154	EA	\$ 19.32	\$ 12.50	\$ 2,966	\$ 1,919	\$ 4,884	
778				Compression Lugs CU With 1-Hole, #3/0 CU Wire	8	0%	8	EA	\$ 19.32	\$ 12.50	\$ 155	\$ 100	\$ 255	
779				Heat Shrink Tubing For #3/0 CU Wire	8	0%	8	EA	\$ 19.32	\$ 12.50	\$ 155	\$ 100	\$ 255	
780				Compression Lugs CU With 1-Hole, #4/0 CU Wire	2	0%	2	EA	\$ 19.32	\$ 12.50	\$ 29	\$ 19	\$ 48	
781				Heat Shrink Tubing For #4/0 CU Wire	2	0%	2	EA	\$ 19.32	\$ 12.50	\$ 29	\$ 19	\$ 48	
782				Compression Lugs AL With 1-Hole, #4/0 AL Wire	3	0%	3	EA	\$ 19.32	\$ 12.50	\$ 58	\$ 38	\$ 95	
783				Heat Shrink Tubing For #4/0 AL Wire	3	0%	3	EA	\$ 19.32	\$ 12.50	\$ 58	\$ 38	\$ 95	
784				Compression Lugs CU With 1-Hole, #250 KCMIL CU Wire	9	0%	9	EA	\$ 24.20	\$ 13.86	\$ 218	\$ 125	\$ 343	
785				Heat Shrink Tubing For #250 KCMIL CU Wire	9	0%	9	EA	\$ 24.20	\$ 13.86	\$ 218	\$ 125	\$ 343	
786				Compression Lugs CU With 1-Hole, #500 KCMIL CU Wire	12	0%	12	EA	\$ 29.20	\$ 15.10	\$ 350	\$ 181	\$ 532	
787				Heat Shrink Tubing For #500 KCMIL CU Wire	12	0%	12	EA	\$ 29.20	\$ 15.10	\$ 350	\$ 181	\$ 532	
788				Compression Lugs CU With 1-Hole, #500 KCMIL CU Wire	4	0%	4	EA	\$ 34.20	\$ 16.20	\$ 120	\$ 57	\$ 176	
789				Heat Shrink Tubing For #500 KCMIL CU Wire	4	0%	4	EA	\$ 34.20	\$ 16.20	\$ 120	\$ 57	\$ 176	
790				Compression Lugs CU With 1-Hole, #400 KCMIL CU Wire	3	0%	3	EA	\$ 38.10	\$ 18.20	\$ 95	\$ 46	\$ 141	
791				Heat Shrink Tubing For #400 KCMIL CU Wire	3	0%	3	EA	\$ 38.10	\$ 18.20	\$ 95	\$ 46	\$ 141	
792				Compression Lugs CU With 1-Hole, #500 KCMIL CU Wire	4	0%	4	EA	\$ 45.20	\$ 20.10	\$ 181	\$ 80	\$ 261	
793				Heat Shrink Tubing For #500 KCMIL CU Wire	4	0%	4	EA	\$ 45.20	\$ 20.10	\$ 181	\$ 80	\$ 261	
794				Compression Lugs CU With 1-Hole, #750 KCMIL CU Wire	8	0%	8	EA	\$ 54.60	\$ 22.80	\$ 437	\$ 182	\$ 619	
795				Heat Shrink Tubing For #750 KCMIL CU Wire	8	0%	8	EA	\$ 54.60	\$ 22.80	\$ 437	\$ 182	\$ 619	
796				Compression Lugs AL With 1-Hole, #750 KCMIL AL Wire	12	0%	12	EA	\$ 54.60	\$ 22.80	\$ 655	\$ 274	\$ 929	
797				Heat Shrink Tubing For #750 KCMIL AL Wire	12	0%	12	EA	\$ 54.60	\$ 22.80	\$ 655	\$ 274	\$ 929	
798				Compression Lugs CU With 1-Hole, #900 KCMIL CU Wire	22	0%	22	EA	\$ 64.20	\$ 25.10	\$ 1,412	\$ 552	\$ 1,965	
799				Heat Shrink Tubing For #900 KCMIL CU Wire	22	0%	22	EA	\$ 64.20	\$ 25.10	\$ 1,412	\$ 552	\$ 1,965	
800				CIRCUIT BREAKER	-									
801				1P 15A Breaker	23	0%	23	EA	\$ 16.00	\$ 32.00	\$ 372	\$ 744	\$ 1,116	
802				1P 20A Breaker	683	0%	683	EA	\$ 16.00	\$ 32.00	\$ 10,928	\$ 21,856	\$ 32,784	
803				1P 20A Breaker	2	0%	2	EA	\$ 16.00	\$ 32.00	\$ 32	\$ 64	\$ 96	
804				2P 15A Breaker	39	0%	39	EA	\$ 18.00	\$ 37.00	\$ 702	\$ 1,404	\$ 2,106	
805				2P 20A Breaker	36	0%	36	EA	\$ 18.00	\$ 37.00	\$ 652	\$ 1,304	\$ 1,956	
806				2P 40A Breaker	12	0%	12	EA	\$ 18.00	\$ 37.00	\$ 212	\$ 424	\$ 636	
807				3P 20A Breaker	3	0%	3	EA	\$ 21.00	\$ 44.00	\$ 53	\$ 110	\$ 163	
808				3P 20A Breaker	2	0%	2	EA	\$ 21.00	\$ 44.00	\$ 32	\$ 66	\$ 98	
809				30AS 15AF Fused Breaker	1	0%	1	EA	\$ 38.00	\$ 85.00	\$ 53	\$ 85	\$ 123	
810				60AS 15AF Fused Breaker	2	0%	2	EA	\$ 38.00	\$ 85.00	\$ 53	\$ 85	\$ 123	
811				100AS 100AF Fused Breaker	1	0%	1	EA	\$ 38.00	\$ 85.00	\$ 38	\$ 76	\$ 112	
812				100AS 100AF Fused Breaker	1	0%	1	EA	\$ 38.00	\$ 85.00	\$ 38	\$ 76	\$ 112	
813				100AS 100AF Fused Breaker	1	0%	1	EA	\$ 38.00	\$ 85.00	\$ 38	\$ 76	\$ 112	
814				200AS 125AF Fused Breaker	1	0%	1	EA	\$ 45.00	\$ 106.00	\$ 45	\$ 90	\$ 135	
815				200AS 125AF Fused Breaker	1	0%	1	EA	\$ 45.00	\$ 106.00	\$ 45	\$ 90	\$ 135	
816				800AS 100AF Fused Breaker	1	0%	1	EA	\$ 70.00	\$ 150.00	\$ 70	\$ 140	\$ 210	
817				1200AS 1200AF Fused Breaker	1	0%	1	EA	\$ 84.00	\$ 175.00	\$ 84	\$ 168	\$ 252	
818				1200AS 1200AF Fused Breaker	1	0%	1	EA	\$ 110.00	\$ 238.00	\$ 110	\$ 220	\$ 330	
819				PANEL	-									
820				100A MLO, 120/200V, 420kva Panel	2	0%	2	EA	\$ 1,846.00	\$ 1,795.00	\$ 3,692	\$ 3,570	\$ 7,262	
821				125A, 120/200V, 1P, 3W, MLO, 100AIC, 30 Socket Flush Mounted Typical Unit Panel	25	0%	25	EA	\$ 1,912.00	\$ 1,816.00	\$ 47,322	\$ 44,946	\$ 92,268	
822				225A MLO, 120/200V, 420kva Panel	2	0%	2	EA	\$ 2,243.00	\$ 2,014.00	\$ 5,047	\$ 4,532	\$ 9,578	
823				DISTRIBUTION DEVICES	-									
824				Power & Energy Meter (PEM), SATC CAT9 PM135H or Equivalent, (To Be Provided By)	1	0%	1	EA	\$ 352.00	\$ 229.00	\$ 352	\$ 229	\$ 581	
825				DISCONNECT SWITCH	-									
826				1P 30AS 20AF Fused Disconnect Switch	1	0%	1	EA	\$ 35.00	\$ 92.00	\$ 35	\$ 92	\$ 127	
827				30AS 20AF Fused Disconnect Switch	1	0%	1	EA	\$ 35.00	\$ 92.00	\$ 35	\$ 92	\$ 127	
828				100AS 10AF Fused Disconnect Switch	1	0%	1	EA	\$ 35.00	\$ 92.00	\$ 35	\$ 92	\$ 127	
829				GROUNDING	-									
830				#250MCM Copper Grounding Electrode (Quantity Assumed)	125	0%	125	EA	\$ 144.00	\$ 356.00	\$ 18,000	\$ 44,500	\$ 62,500	
831				#10 Copper Grounding Electrode (Quantity Assumed)	125	0%	125	EA	\$ 96.00	\$ 188.00	\$ 12,000	\$ 23,500	\$ 35,500	
832				#4 Copper Grounding Electrode (Quantity Assumed)	13	0%	13	EA	\$ 96.00	\$ 188.00	\$ 1,200	\$ 2,300	\$ 3,500	
833				2545 Bare Stranded (One Cablehead) Copper Grounding Electrode (Quantity Assumed)	8	0%	8	EA	\$ 96.00	\$ 188.00	\$ 720	\$ 1,410	\$ 2,130	
834				1/4" EMT Conduit (Quantity Assumed)	13	0%	13	EA	\$ 1.13	\$ 7.18	\$ 14	\$ 90	\$ 104	
835				1" EMT Conduit (Quantity Assumed)	133	0%	133	EA	\$ 1.88	\$ 8.12	\$ 249	\$ 1,076	\$ 1,325	
836				POWER	-									
837				CONDUIT	-									
838				1/4" EMT Conduit	12,014	10%	14,206	FT	\$ 1.13	\$ 7.18	\$ 16,052	\$ 101,996	\$ 118,049	
839				CONDUCTOR	-									
840				#12 CU	35,199	10%	38,718	FT	\$ 0.74	\$ 4.67	\$ 28,652	\$ 180,815	\$ 209,467	
841				#10 CU	2,774	10%	3,052	FT	\$ 1.20	\$ 7.56	\$ 3,662	\$ 17,884	\$ 21,546	
842				#8 CU	1,090	10%	1,199	FT	\$ 1.75	\$ 7.15	\$ 2,098	\$ 8,570	\$ 10,668	
843				DEVICE	-									
844				Double Duplex Receptacle	2	0%	2	EA	\$ 24.00	\$ 91.00	\$ 54	\$ 205	\$ 259	
845				100A 14-20R Simplex Receptacle 208/120V, 20A	16	0%	16	EA	\$ 7.00	\$ 48.00	\$ 109	\$ 744	\$ 853	
846				100A 14-20R Simplex Receptacle 208/120V, 20A	16	0%	16	EA	\$ 7.00	\$ 48.00	\$ 109	\$ 744	\$ 853	
847				Duplex Receptacle	313	0%	313	EA	\$ 10.00	\$ 59.00	\$ 3,133	\$ 18,482	\$ 21,615	
848				NEMA 5-15R Duplex Receptacle 120V, 20A	25	0%	25	EA	\$ 10.00	\$ 59.00	\$ 253	\$ 1,490	\$ 1,743	
849				Floor Mounted Duplex Receptacle, 20A, 1 Wire, 125V, Pole-Thru Service Firms	3	0%	3	EA	\$ 10.00	\$ 59.00	\$ 33	\$ 192	\$ 224	
850				H	15	0%	15	EA	\$ 10.00	\$ 59.00	\$ 150	\$ 885	\$ 1,035	
851				NEMA 5-20R Duplex Receptacle 120V, 20A	44	0%	44	EA	\$ 8.00	\$ 52.00	\$ 340	\$ 2,042	\$ 2,382	
852				Half-Switched Duplex Receptacle	25	0%	25	EA	\$ 10.00	\$ 59.00	\$ 250	\$ 1,475	\$ 1,725	
853				NEMA 5-20R Duplex Receptacle 120V, 20A	169	0%	169	EA	\$ 54.00	\$ 40.00	\$ 9,126	\$ 6,760	\$ 15,886	
854				NEMA 5-20R, 20A Receptacle (GFCI)	5	0%	5	EA	\$ 54.00	\$ 40.00	\$ 270	\$ 210	\$ 480	
855				NEMA 5-20R Duplex Receptacle 120V, 20A	25	0%	25	EA	\$ 10.00	\$ 59.00	\$ 250	\$ 1,475	\$ 1,725	
856				RA	9	0%	9	EA	\$ 7.00	\$ 48.00	\$ 63	\$ 444	\$ 507	
857				NEMA 14-60R Simplex Receptacle 208/120V, 40A	34	0%	34	EA	\$ 7.00	\$ 38.00	\$ 236	\$ 1,283	\$ 1,519	
858														

ITEM #	REF. SHEET	DETAIL	CSI SECT	DESCRIPTION	QTY	WASTAGE	QTY WITH WASTAGE	UNIT	UNIT MATERIAL COST	UNIT LABOR COST	TOTAL MATERIAL	TOTAL LABOR COST	TOTAL ITEM COST	TRADE COST
893				Vacancy Sensor	13	0%	13	EA	\$ 114.00	\$ 85.00	\$ 1,482	\$ 1,105	\$ 2,587	
894				Visual Indicator Doorbell System (for AV-UFAS apartments.)	7	0%	7	EA	\$ 102.00	\$ 70.00	\$ 714	\$ 490	\$ 1,204	
895				Weatherproof Exterior Mounted PhotoCell	1	0%	1	EA	\$ 140.00	\$ 78.00	\$ 140	\$ 78	\$ 218	
				TELECOM	-									
				CONDUIT	-									
896				4 MT Conduit	120	10%	132	FT	\$ 13.04	\$ 23.36	\$ 1,721	\$ 3,084	\$ 4,805	
				DEVICE	-									
897				3/4" Thick X 11'L X 3/4" H Plywood Backboard (Rating Assumed, Please confirm.)	1	0%	1	EA	\$ 284.00	\$ 70.00	\$ 284	\$ 70	\$ 354	
898				3/4" Thick X 14'L X 3/4" H Plywood Backboard (Rating Assumed, Please confirm.)	1	0%	1	EA	\$ 252.00	\$ 76.00	\$ 252	\$ 76	\$ 328	
899				3/4" Thick X 13'6"L X 3/4" H Plywood Backboard (Rating Assumed, Please confirm.)	1	0%	1	EA	\$ 144.00	\$ 45.00	\$ 144	\$ 45	\$ 189	
900				3/4" Thick X 13'6"L X 3/4" H Plywood Backboard (Rating Assumed, Please confirm.)	1	0%	1	EA	\$ 160.00	\$ 52.00	\$ 160	\$ 52	\$ 212	
901				3/4" Thick X 4'6"L X 3/4" H Plywood Backboard (Rating Assumed, Please confirm.)	1	0%	1	EA	\$ 190.00	\$ 56.00	\$ 190	\$ 56	\$ 246	
902				3/4" Thick X 6'L X 3/4" H Plywood Backboard (Rating Assumed, Please confirm.)	1	0%	1	EA	\$ 208.00	\$ 60.00	\$ 208	\$ 60	\$ 268	
				MISCELLANEOUS	-									
903				Cable Junction Box	1	0%	1	EA	\$ 38.00	\$ 130.00	\$ 38	\$ 130	\$ 168	
904				Junction Box	9	0%	9	EA	\$ 35.00	\$ 96.00	\$ 306	\$ 840	\$ 1,146	
905				Junction Box Weatherproof	1	0%	1	EA	\$ 54.00	\$ 120.00	\$ 54	\$ 120	\$ 174	
906				Junction Box with fan (Please confirm/verify) Fire Smoke Damper with Reher Control	12	0%	12	EA	\$ 114.00	\$ 140.00	\$ 1,368	\$ 1,680	\$ 3,048	
907				Junction Box with fan (Please confirm/verify) Motorized Damper	4	0%	4	EA	\$ 108.00	\$ 96.00	\$ 432	\$ 384	\$ 816	
				DIV-32 EXTERIOR IMPROVEMENTS	0									\$ 27,532
				SEE WORKS	-									
				Sidewalk	-									
908				Type I Sidewalk, 4" Class B32 Type IA Concrete Sidewalk over 6" Gravel	824	10%	907	SF	\$ 2.62	\$ 3.81	\$ 1,511	\$ 2,197	\$ 3,707	
909				Type II Sidewalk, 7" Class B32 Type IIA Concrete Sidewalk over 4" Gravel	1,237	10%	1,361	SF	\$ 4.44	\$ 6.68	\$ 6,043	\$ 6,309	\$ 12,412	
				Ramp	-									
910				Receiving Ramp to be Reconstructed	9	10%	10	SF	\$ 8.40	\$ 6.60	\$ 83	\$ 65	\$ 148	
				Curb	-									
911				New Curb Cut	10	10%	11	LF	\$ 14.20	\$ 33.60	\$ 162	\$ 383	\$ 544	
912				8"W X 1'-6" H Concrete Curb Rein w/ 4#4 Bars	13	10%	14	LF	\$ 9.50	\$ 22.60	\$ 132	\$ 315	\$ 447	
913				8" W X 1'-0" H Steel Faced Curb Faces Frontage	1	0%	1	EA	\$ 184.00	\$ 150.00	\$ 184	\$ 150	\$ 334	
				Bollard / Post	-									
914				6" Dia X 4'-0" H Stk. 40 Bollard	2	0%	2	EA	\$ 807.00	\$ 211.00	\$ 1,211	\$ 332	\$ 1,542	
915				6" Dia X 3'-0" H Stk. Post	1	0%	1	EA	\$ 968.00	\$ 252.00	\$ 968	\$ 252	\$ 1,220	
				Pad	-									
916				8" Dia. Damper Pad Rein w/ #4@6" O.C. Both Ways	64	10%	70	SF	\$ 5.46	\$ 5.15	\$ 384	\$ 362	\$ 747	
				Gate	-									
				Markings	-									
917				Arrow Mark	6	0%	6	EA	\$ 85.00	\$ 68.00	\$ 468	\$ 374	\$ 842	
918				Stemming	111	10%	122	LF	\$ 2.20	\$ 1.50	\$ 267	\$ 182	\$ 450	
				PARKING	-									
				Markings	-									
919				Arrow, Pavement Mark	2	0%	2	EA	\$ 146.00	\$ 113.00	\$ 292	\$ 226	\$ 518	
920				Arrow, Pavement Mark	7	0%	7	EA	\$ 85.00	\$ 68.00	\$ 595	\$ 476	\$ 1,071	
				Walkway	-									
921				24"W FIBRY Walkway	185	10%	203	SF	\$ 3.87	\$ 4.20	\$ 786	\$ 853	\$ 1,639	
				Striping	-									
922				Provide 4" Wide Yellow Paint Pedestrian Stripes	243	10%	267	LF	\$ 2.20	\$ 1.50	\$ 588	\$ 401	\$ 988	
923				Parkway Striping	227	10%	250	LF	\$ 2.20	\$ 1.50	\$ 549	\$ 374	\$ 923	
				DIV-33 FINE FINISH	-									\$ 435
				MISC.	-									
924				Relocated Salvaged Wendy's Sign	1	0%	1	EA	\$ 248.00	\$ 187.00	\$ 248	\$ 187	\$ 435	
SUB TOTAL														
INSURANCE														
OVERHEAD AND PROFIT														
TOTAL BASE BID														

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