

PROJECT												
PROJECT ID: Hard Rock Hotel												
ADDRESS:												
E-mail: estimate@msbestimating.com												
Contact: (305)-813-0053												
												
SCOPE: Plumbing												
05/07/26												

ITEM #	DWG REF./ CSI SEC.	DESCRIPTION	QUANTITY	WASTAGE	QTY W/WASTAGE	UNIT	MAT COST	TOTAL MAT COST	LAB COST	TOTAL LAB COST	TOTAL COST	TRADE COST
DIV. 01 GENERAL REQUIREMENTS												
1		Project Manager	1	0%	1	LS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
2		Field Superintendent	1	0%	1	LS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
3		Bonds	1	0%	1	LS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
4		Permitting	1	0%	1	LS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
5		Mobilization Cost	1	0%	1	LS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
6		Temp Fencing, Toilets, Utilities	1	0%	1	LS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
7		Jobsite Signage, Trailer, Security	1	0%	1	LS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
8		Dumpsters, Tools	1	0%	1	LS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
9		Clean-up	1	0%	1	LS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
10		Procure, Web Cameras	1	0%	1	LS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Subtotal (General Requirements)								\$0		LABOR COST		\$0

DIVISION 23- HEATING, VENTILATING & AIR-CONDITIONING												
Rectangular Duct (Galvanized Steel)												
11		30"x14" Rectangular Duct	376	10%	413	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
12		30"x16" Rectangular Duct	342	10%	376	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
13		30" x 12" Rectangular Duct	280	10%	308	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
14		30"x18" Rectangular Duct	546	10%	601	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
15		30"x20" Rectangular Duct	666	10%	732	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
16		30"x24" Rectangular Duct	183	10%	202	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
17		30"x22" Rectangular Duct	102	10%	112	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
18		30"x30" Rectangular Duct	15	10%	16	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
19		32"x22" Rectangular Duct	16	10%	18	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
20		32"x20" Rectangular Duct	11	10%	12	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
21		32"x24" Rectangular Duct	17	10%	19	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
22		32"x32" Rectangular Duct	49	10%	53	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
23		32"x18" Rectangular Duct	92	10%	101	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
24		32"x14" Rectangular Duct	41	10%	45	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
25		34"x18" Rectangular Duct	29	10%	32	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
26		34" x 20" Rectangular Duct	13	10%	14	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
27		20" x 16" Rectangular Duct	159	10%	174	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
28		20" x 6" Rectangular Duct	104	10%	114	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
29		20" x 8" Rectangular Duct	12	10%	13	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
30		20" x 12" Rectangular Duct	496	10%	546	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
31		20" x 10" Rectangular Duct	93	10%	103	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
32		20" x 18" Rectangular Duct	69	10%	76	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
33		20" x 14" Rectangular Duct	138	10%	152	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
34		22" x 16" Rectangular Duct	8	10%	9	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
35		22" x 14" Rectangular Duct	8	10%	9	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
36		24" x 12" Rectangular Duct	1770	10%	1947	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
37		24" x 10" Rectangular Duct	134	10%	147	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
38		24" x 14" Rectangular Duct	1124	10%	1236	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
39		24" x 16" Rectangular Duct	1277	10%	1405	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	

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ITEM #	DWG REF./ CSI SEC.	DESCRIPTION	QUANTITY	WASTAGE	QTY W/WASTAGE	UNIT	MAT COST	TOTAL MAT COST	LAB COST	TOTAL LAB COST	TOTAL COST	TRADE COST
40		24" x 22" Rectangular Duct	31	10%	34	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
41		24" x 20" Rectangular Duct	376	10%	414	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
42		48" x 34" Rectangular Duct	184	10%	203	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
43		48" x 32" Rectangular Duct	58	10%	64	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
44		48" x 30" Rectangular Duct	107	10%	117	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
45		48" x 24" Rectangular Duct	316	10%	347	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
46		48" x 26" Rectangular Duct	54	10%	59	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
47		48" x 22" Rectangular Duct	104	10%	114	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
48		50" x 30" Rectangular Duct	25	10%	28	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
49		52" x 30" Rectangular Duct	63	10%	69	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
50		48" x 36" Rectangular Duct	74	10%	81	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
51		26" x 18" Rectangular Duct	84	10%	93	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
52		26" x 16" Rectangular Duct	45	10%	49	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
53		26" x 12" Rectangular Duct	12	10%	13	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
54		26" x 14" Rectangular Duct	11	10%	12	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
55		26" x 20" Rectangular Duct	98	10%	108	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
56		26" x 10" Rectangular Duct	13	10%	15	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
57		26.5" x 26.5" Rectangular Duct	72	10%	79	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
58		28" x 18" Rectangular Duct	23	10%	25	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
59		28" x 14" Rectangular Duct	63	10%	70	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
60		28" x 16" Rectangular Duct	11	10%	12	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
61		28" x 12" Rectangular Duct	28	10%	30	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
62		36" x 16" Rectangular Duct	355	10%	390	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
63		36" x 14" Rectangular Duct	167	10%	183	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
64		36" x 12" Rectangular Duct	63	10%	69	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
65		36" x 18" Rectangular Duct	782	10%	861	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
66		36" x 20" Rectangular Duct	1590	10%	1750	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
67		36" x 22" Rectangular Duct	143	10%	157	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
68		36" x 24" Rectangular Duct	659	10%	724	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
69		36" x 26" Rectangular Duct	245	10%	270	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
70		36" x 28" Rectangular Duct	60	10%	66	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
71		36" x 30" Rectangular Duct	568	10%	625	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
72		36" x 32" Rectangular Duct	32	10%	35	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
73		38" x 30" Rectangular Duct	81	10%	89	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
74		38" x 20" Rectangular Duct	37	10%	40	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
75		38" x 18" Rectangular Duct	81	10%	89	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
76		38" x 22" Rectangular Duct	65	10%	71	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
77		12" x 6" Rectangular Duct	280	10%	308	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
78		12" x 8" Rectangular Duct	2311	10%	2542	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
79		12" x 10" Rectangular Duct	2412	10%	2653	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
80		12" x 12" Rectangular Duct	659	10%	725	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
81		14" x 8" Rectangular Duct	115	10%	127	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
82		14" x 6" Rectangular Duct	36	10%	40	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
83		14" x 10" Rectangular Duct	624	10%	687	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	

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84		14" x 14" Rectangular Duct	54	10%	60	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
85		18" x 8" Rectangular Duct	26	10%	29	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
86		18" x 12" Rectangular Duct	1529	10%	1682	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
87		18" x 10" Rectangular Duct	669	10%	736	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
88		18" x 14" Rectangular Duct	102	10%	112	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
89		18" x 18" Rectangular Duct	37	10%	41	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
90		18" x 16" Rectangular Duct	99	10%	109	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
91		16" x 12" Rectangular Duct	1054	10%	1160	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
92		16" x 10" Rectangular Duct	636	10%	699	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
93		16" x 8" Rectangular Duct	87	10%	96	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
94		16" x 15" Rectangular Duct	47	10%	52	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
95		16" x 16" Rectangular Duct	57	10%	63	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
96		16" x 6" Rectangular Duct	10	10%	11	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
97		16" x 14" Rectangular Duct	64	10%	71	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
98		10" x 10" Rectangular Duct	561	10%	617	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
99		10" x 16" Rectangular Duct	18	10%	20	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
100		10" x 8" Rectangular Duct	1578	10%	1736	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
101		8" x 6" Rectangular Duct	1392	10%	1531	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
102		8" x 8" Rectangular Duct	965	10%	1061	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
103		8" x 4" Rectangular Duct	613	10%	675	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
104		6" x 4" Rectangular Duct	229	10%	252	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
105		4" x 4" Rectangular Duct	54	10%	59	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
106		6" x 6" Rectangular Duct	1007	10%	1108	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
107		10" x 6" Rectangular Duct	425	10%	467	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
108		40" x 26" Rectangular Duct	73	10%	80	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
109		40" x 28" Rectangular Duct	82	10%	90	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
110		40" x 18" Rectangular Duct	45	10%	50	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
111		40" x 20" Rectangular Duct	24	10%	26	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
112		40" x 24" Rectangular Duct	13	10%	14	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
113		40" x 32" Rectangular Duct	13	10%	15	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
114		42" x 26" Rectangular Duct	20	10%	22	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
115		42" x 28" Rectangular Duct	61	10%	67	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
116		42" x 24" Rectangular Duct	268	10%	294	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
117		42" x 20" Rectangular Duct	21	10%	23	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
118		42" x 22" Rectangular Duct	50	10%	55	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
119		42" x 34" Rectangular Duct	46	10%	51	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
120		42" x 32" Rectangular Duct	19	10%	21	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
121		42" x 30" Rectangular Duct	117	10%	129	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
122		42" x 36" Rectangular Duct	76	10%	84	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
123		46" x 30" Rectangular Duct	21	10%	23	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
124		46" x 32" Rectangular Duct	50	10%	55	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
125		46" x 24" Rectangular Duct	19	10%	21	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
126		44" x 30" Rectangular Duct	103	10%	113	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
127		44" x 24" Rectangular Duct	153	10%	168	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	

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128		44" x 26" Rectangular Duct	5	10%	5	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
129		44" x 20" Rectangular Duct	12	10%	13	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
130		12" Dia Circular Duct	154	10%	169	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
		Circular Duct (Galvanized Steel)										
131		10" Dia Circular Duct	104	10%	114	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
132		8" Dia Circular Duct	105	10%	115	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
133		4" Dia Circular Duct	162	10%	178	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
134		6" Dia Circular Duct	79	10%	87	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
135		14" Dia Circular Duct	74	10%	81	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
136		16" Dia Circular Duct	117	10%	128	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
137		18" Circular Dia Duct	393	10%	433	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
138		28" Circular Dia Duct	34	10%	37	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
139		24" Circular Dia Duct	53	10%	58	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
140		20" Circular Dia Duct	41	10%	45	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
141		22" Dia Circular Duct	65	10%	72	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
		Flexible Duct										
142		4" Dia Flexible Duct	56	10%	62	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
143		6" Dia Flexible Duct	434	10%	478	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
144		8" Dia Flexible Duct	335	10%	368	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
145		10" Dia Flexible Duct	130	10%	143	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
146		12" Dia Flexible Duct	318	10%	349	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
147		14" Dia Flexible Duct	98	10%	108	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
148		16" Dia Flexible Duct	114	10%	125	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
149		18" Dia Flexible Duct	265	10%	291	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
150		20" Dia Flexible Duct	87	10%	96	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
151		24" Dia Flexible Duct	457	10%	502	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
152		30" Dia Flexible Duct	103	10%	113	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
153		36" Dia Flexible Duct	114	10%	125	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
154		38" Dia Flexible Duct	23	10%	26	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
155		46" Dia Flexible Duct	10	10%	11	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
156		48" Dia Flexible Duct	80	10%	88	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
157		52" Dia Flexible Duct	7	10%	8	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
		Insulation										
158		1" Thick Fiber Glass Insulation	41327	10%	45460	SF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
		Diffuser										
159		Cd-A 50 Description: Ceiling Diffuser 360 Deg Discharge Air Patter. Aluminum Construction, Surface Mount. Size 24"X24", Neck As Indicated On OR Awing's. Finish As Per Interior Designer Drawings. Manufacturer/Model:Metalaire Model CD	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	

PROJECT												
PROJECT ID: Hard Rock Hotel						E-mail: estimate@msbestimating.com			 ESTIMATING LLC 05/07/26			
ADDRESS:						Contact: (305)-813-0053						
SCOPE: Plumbing												

ITEM #	DWG REF./ CSI SEC.	DESCRIPTION	QUANTITY	WASTAGE	QTY W/WASTAGE	UNIT	MAT COST	TOTAL MAT COST	LAB COST	TOTAL LAB COST	TOTAL COST	TRADE COST
160		Cd-A 75 Description: Ceiling Diffuser 360 Deg Discharge Air Patter. Aluminum Construction, Surface Mount. Size 24"x24", Neck As Indicated On OR Awing's. Finish As Per Interior Designer Drawings. Manufacturer/Model:Metalaire Model CD	5	0%	5	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
161		Cd-A 100 Description: Ceiling Diffuser 360 Deg Discharge Air Patter. Aluminum Construction, Surface Mount. Size 24"x24", Neck As Indicated On OR Awing's. Finish As Per Interior Designer Drawings. Manufacturer/Model:Metalaire Model CD	37	0%	37	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
162		Cd-A 120 Description: Ceiling Diffuser 360 Deg Discharge Air Patter. Aluminum Construction, Surface Mount. Size 24"x24", Neck As Indicated On OR Awing's. Finish As Per Interior Designer Drawings. Manufacturer/Model:Metalaire Model CD	8	0%	8	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
163		Cd-A 125 Description: Ceiling Diffuser 360 Deg Discharge Air Patter. Aluminum Construction, Surface Mount. Size 24"x24", Neck As Indicated On OR Awing's. Finish As Per Interior Designer Drawings. Manufacturer/Model:Metalaire Model CD	3	0%	3	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
164		Cd-A 140 Description: Ceiling Diffuser 360 Deg Discharge Air Patter. Aluminum Construction, Surface Mount. Size 24"x24", Neck As Indicated On OR Awing's. Finish As Per Interior Designer Drawings. Manufacturer/Model:Metalaire Model CD	2	0%	2	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
165		Cd-A 150 Description: Ceiling Diffuser 360 Deg Discharge Air Patter. Aluminum Construction, Surface Mount. Size 24"x24", Neck As Indicated On OR Awing's. Finish As Per Interior Designer Drawings. Manufacturer/Model:Metalaire Model CD	73	0%	73	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
166		Cd-A 175 Description: Ceiling Diffuser 360 Deg Discharge Air Patter. Aluminum Construction, Surface Mount. Size 24"x24", Neck As Indicated On OR Awing's. Finish As Per Interior Designer Drawings. Manufacturer/Model:Metalaire Model CD	2	0%	2	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	

PROJECT													
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05/07/26													

ITEM #	DWG REF./ CSI SEC.	DESCRIPTION	QUANTITY	WASTAGE	QTY W/WASTAGE	UNIT	MAT COST	TOTAL MAT COST	LAB COST	TOTAL LAB COST	TOTAL COST	TRADE COST
167		Cd-A 200 Description: Ceiling Diffuser 360 Deg Discharge Air Patter. Aluminum Construction, Surface Mount. Size 24"x24", Neck As Indicated On OR Awing's. Finish As Per Interior Designer Drawings. Manufacturer/Model:Metalaire Model CD	32	0%	32	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
168		Cd-A 210 Description: Ceiling Diffuser 360 Deg Discharge Air Patter. Aluminum Construction, Surface Mount. Size 24"x24", Neck As Indicated On OR Awing's. Finish As Per Interior Designer Drawings. Manufacturer/Model:Metalaire Model CD	18	0%	18	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
169		Cd-A 225 Description: Ceiling Diffuser 360 Deg Discharge Air Patter. Aluminum Construction, Surface Mount. Size 24"x24", Neck As Indicated On OR Awing's. Finish As Per Interior Designer Drawings. Manufacturer/Model:Metalaire Model CD	6	0%	6	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
170		Cd-A 250 Description: Ceiling Diffuser 360 Deg Discharge Air Patter. Aluminum Construction, Surface Mount. Size 24"x24", Neck As Indicated On OR Awing's. Finish As Per Interior Designer Drawings. Manufacturer/Model:Metalaire Model CD	6	0%	6	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
171		Cd-A 280 Description: Ceiling Diffuser 360 Deg Discharge Air Patter. Aluminum Construction, Surface Mount. Size 24"x24", Neck As Indicated On OR Awing's. Finish As Per Interior Designer Drawings. Manufacturer/Model:Metalaire Model CD	8	0%	8	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
172		Cd-A 300 Description: Ceiling Diffuser 360 Deg Discharge Air Patter. Aluminum Construction, Surface Mount. Size 24"x24", Neck As Indicated On OR Awing's. Finish As Per Interior Designer Drawings. Manufacturer/Model:Metalaire Model CD	20	0%	20	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
173		Cd-A 315 Description: Ceiling Diffuser 360 Deg Discharge Air Patter. Aluminum Construction, Surface Mount. Size 24"x24", Neck As Indicated On OR Awing's. Finish As Per Interior Designer Drawings. Manufacturer/Model:Metalaire Model CD	4	0%	4	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	

PROJECT															
PROJECT ID: Hard Rock Hotel ADDRESS:										E-mail: estimate@msbestimating.com Contact: (305)-813-0053				 05/07/26	
SCOPE: Plumbing															

ITEM #	DWG REF./ CSI SEC.	DESCRIPTION	QUANTITY	WASTAGE	QTY W/WASTAGE	UNIT	MAT COST	TOTAL MAT COST	LAB COST	TOTAL LAB COST	TOTAL COST	TRADE COST
174		Cd-A 325 Description: Ceiling Diffuser 360 Deg Discharge Air Patter. Aluminum Construction, Surface Mount. Size 24"x24", Neck As Indicated On OR Awing's. Finish As Per Interior Designer Drawings. Manufacturer/Model:Metalaire Model CD	9	0%	9	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
175		Cd-A 350 Description: Ceiling Diffuser 360 Deg Discharge Air Patter. Aluminum Construction, Surface Mount. Size 24"x24", Neck As Indicated On OR Awing's. Finish As Per Interior Designer Drawings. Manufacturer/Model:Metalaire Model CD	5	0%	5	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
176		Cd-A 380 Description: Ceiling Diffuser 360 Deg Discharge Air Patter. Aluminum Construction, Surface Mount. Size 24"x24", Neck As Indicated On OR Awing's. Finish As Per Interior Designer Drawings. Manufacturer/Model:Metalaire Model CD	8	0%	8	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
177		Cd-A 400 Description: Ceiling Diffuser 360 Deg Discharge Air Patter. Aluminum Construction, Surface Mount. Size 24"x24", Neck As Indicated On OR Awing's. Finish As Per Interior Designer Drawings. Manufacturer/Model:Metalaire Model CD	5	0%	5	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
178		Cd-A 500 Description: Ceiling Diffuser 360 Deg Discharge Air Patter. Aluminum Construction, Surface Mount. Size 24"x24", Neck As Indicated On OR Awing's. Finish As Per Interior Designer Drawings. Manufacturer/Model:Metalaire Model CD	2	0%	2	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
179		Cd-A 530 Description: Ceiling Diffuser 360 Deg Discharge Air Patter. Aluminum Construction, Surface Mount. Size 24"x24", Neck As Indicated On OR Awing's. Finish As Per Interior Designer Drawings. Manufacturer/Model:Metalaire Model CD	13	0%	13	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
180		Cd-A 550 Description: Ceiling Diffuser 360 Deg Discharge Air Patter. Aluminum Construction, Surface Mount. Size 24"x24", Neck As Indicated On OR Awing's. Finish As Per Interior Designer Drawings. Manufacturer/Model:Metalaire Model CD	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	

PROJECT

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SCOPE: Plumbing

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 Contact: (305)-813-0053



ITEM #	DWG REF./ CSI SEC.	DESCRIPTION	QUANTITY	WASTAGE	QTY W/WASTAGE	UNIT	MAT COST	TOTAL MAT COST	LAB COST	TOTAL LAB COST	TOTAL COST	TRADE COST
181		Cd-A 600 Description: Ceiling Diffuser 360 Deg Discharge Air Patter. Aluminum Construction, Surface Mount. Size 24"x24", Neck As Indicated On OR Awing's. Finish As Per Interior Designer Drawings. Manufacturer/Model:Metalaire Model CD	2	0%	2	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
182		Cd-A 680 Description: Ceiling Diffuser 360 Deg Discharge Air Patter. Aluminum Construction, Surface Mount. Size 24"x24", Neck As Indicated On OR Awing's. Finish As Per Interior Designer Drawings. Manufacturer/Model:Metalaire Model CD	10	0%	10	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
183		Cd-A 700 Description: Ceiling Diffuser 360 Deg Discharge Air Patter. Aluminum Construction, Surface Mount. Size 24"x24", Neck As Indicated On OR Awing's. Finish As Per Interior Designer Drawings. Manufacturer/Model:Metalaire Model CD	2	0%	2	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
184		Cd-A 750 Description: Ceiling Diffuser 360 Deg Discharge Air Patter. Aluminum Construction, Surface Mount. Size 24"x24", Neck As Indicated On OR Awing's. Finish As Per Interior Designer Drawings. Manufacturer/Model:Metalaire Model CD	10	0%	10	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
185		Cd-C 75 Description: Ceiling Diffuser 360 Deg Discharge Air Patter. Aluminum Construction, Surface Mount. Size 12"x12", Neck As Indicated On Drawings. Finish As Per Interior Designer Drawings. Manufacturer/Model:Metalaire Model CD	16	0%	16	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
186		Cd-C 100 Description: Ceiling Diffuser 360 Deg Discharge Air Patter. Aluminum Construction, Surface Mount. Size 12"x12", Neck As Indicated On Drawings. Finish As Per Interior Designer Drawings. Manufacturer/Model:Metalaire Model CD	3	0%	3	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
187		Cd-C 120 Cd-C Description: Ceiling Diffuser 360 Deg Discharge Air Patter. Aluminum Construction, Surface Mount. Size 12"x12", Neck As Indicated On Drawings. Finish As Per Interior Designer Drawings. Manufacturer/Model:Metalaire Model CD	2	0%	2	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	

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ITEM #	DWG REF./ CSI SEC.	DESCRIPTION	QUANTITY	WASTAGE	QTY W/WASTAGE	UNIT	MAT COST	TOTAL MAT COST	LAB COST	TOTAL LAB COST	TOTAL COST	TRADE COST
188		Cd-C 150 Description: Ceiling Diffuser 360 Deg Discharge Air Patter. Aluminum Construction, Surface Mount. Size 12"x12", Neck As Indicated On Drawings. Finish As Per Interior Designer Drawings. Manufacturer/Model:Metalaire Model CD	7	0%	7	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
189		Cd-C 200 Cd-C Description: Ceiling Diffuser 360 Deg Discharge Air Patter. Aluminum Construction, Surface Mount. Size 12"x12", Neck As Indicated On Drawings. Finish As Per Interior Designer Drawings. Manufacturer/Model:Metalaire Model CD	2	0%	2	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
190		Cd-D 200 Description: Ceiling Diffuser 360 Deg Discharge Air Patter. Aluminum Construction, Surface Mount. Size 24"x24", Neck As Indicated On Drawings. Finish As Per Interior Designer Drawings. Manufacturer/Model:Metalaire Model CD— Tc—1	16	0%	16	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
191		Cd-D 210 Description: Ceiling Diffuser 360 Deg Discharge Air Patter. Aluminum Construction, Surface Mount. Size 24"x24", Neck As Indicated On Drawings. Finish As Per Interior Designer Drawings. Manufacturer/Model:Metalaire Model CD— Tc—1	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
192		Diffuser: 30" X 24" 3400 Cfm	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
193		Diffuser: 36" X 24" 8500 Cfm	2	0%	2	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
194		Diffuser 1100 Cfm	2	0%	2	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
195		Diffuser 2200 Cfm	3	0%	3	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
196		Diffuser 4200 Cfm	37	0%	37	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
197		Diffuser 4250 Cfm	3	0%	3	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
198		Ea.: Exhaust Air Grille: 8" X 4"	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
199		Eg: Exhaust Air Grille - Cfm: 25	1552	0%	1552	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
200		Eg: Exhaust Air Grille - Cfm: 50	15	0%	15	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
201		Eg: Exhaust Air Grille - Cfm: 70	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
202		Eg: Exhaust Air Grille - Cfm: 100	108	0%	108	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
203		Eg: Exhaust Air Grille - Cfm: 125	7	0%	7	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
204		Eg: Exhaust Air Grille - Cfm: 150	14	0%	14	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
205		Eg: Exhaust Air Grille - Cfm: 200	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
206		Eg: Exhaust Air Grille - Cfm: 280	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
207		Eg: Exhaust Air Grille - Cfm:150	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
208		Fa: Fresh Air Diffuser 6" X 6"	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
209		Ld.: Louver - Cfm: 50	3	0%	3	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
210		Ld.: Louver - Cfm: 120	2	0%	2	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
211		Ld.: Louver - Cfm: 150	3	0%	3	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
212		Ld.: Louver - Cfm: 175	2	0%	2	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
213		Ld.: Louver - Cfm: 200	11	0%	11	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
214		Ld.: Louver - Cfm: 250	9	0%	9	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	

PROJECT

PROJECT ID: Hard Rock Hotel

ADDRESS:

SCOPE: Plumbing

E-mail: estimate@msbestimating.com
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ITEM #	DWG REF./ CSI SEC.	DESCRIPTION	QUANTITY	WASTAGE	QTY W/WASTAGE	UNIT	MAT COST	TOTAL MAT COST	LAB COST	TOTAL LAB COST	TOTAL COST	TRADE COST
215		Ld.: Louver - Cfm: 350	2	0%	2	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
216		Ld.: Louver - Cfm: 475	4	0%	4	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
217		Ld.- J: Louver - Cfm: 500	4	0%	4	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
218		Ld.-A: Louver - Cfm: 50	442	0%	442	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
219		Ld.-A: Louver - Cfm: 65	39	0%	39	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
220		Ld.-A: Louver - Cfm: 75	109	0%	109	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
221		Ld.-A: Louver - Cfm: 80	129	0%	129	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
222		Ld.-A: Louver - Cfm: 80	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
223		Ld.-A: Louver - Cfm: 85	35	0%	35	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
224		Ld.-A: Louver - Cfm: 130	15	0%	15	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
225		Ld.-A: Louver - Cfm: 300	20	0%	20	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
226		Ld.-A: Louver - Cfm: 340	10	0%	10	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
227		Ld.-A: Louver - Cfm: 360	24	0%	24	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
228		Ld.-A: Louver - Cfm: 370	36	0%	36	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
229		Ld.-A: Louver - Cfm: 400	2	0%	2	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
230		Ld.-A: Louver - Cfm: 420	32	0%	32	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
231		Ld.-A: Louver - Cfm: 560	24	0%	24	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
232		Ld.-A: Louver - Cfm: 652	38	0%	38	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
233		Ld.-A: Louver - Cfm: 670	20	0%	20	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
234		Ld.-D: Louver - Cfm: 100	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
235		Ld.-D: Louver - Cfm: 150	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
236		Ld.-D: Louver - Cfm: 175	4	0%	4	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
237		Ld.-D: Louver - Cfm: 200	51	0%	51	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
238		Ld.-D: Louver - Cfm: 280	29	0%	29	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
239		Ld.-D: Louver - Cfm: 300	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
240		Ld.-D: Louver - Cfm: 1100	5	0%	5	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
241		Ld.-E: Louver - Cfm: 225	6	0%	6	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
242		Ld.-E: Louver - Cfm: 250	4	0%	4	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
243		Ld.-E: Louver - Cfm: 280	5	0%	5	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
244		Ld.-E: Louver - Cfm: 300	6	0%	6	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
245		Ld.-H: Louver - Cfm: 400	8	0%	8	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
246		Ld.-H: Louver - Cfm: 500	21	0%	21	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
247		Ld.-H: Louver - Cfm: 1100	5	0%	5	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
248		Ld.-R: Louver - Cfm: 120	2	0%	2	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
249		Ld.-R: Louver - Cfm: 200	7	0%	7	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
250		Ld.-R: Louver - Cfm: 250	10	0%	10	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
251		Ld.-R: Louver - Cfm: 300	6	0%	6	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
252		Ld.-S: Louver - Cfm: 80	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
253		Ler: Louver - Cfm:- 100	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
254		Ler: Louver - Cfm:- 100	16	0%	16	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
255		Ler: Louver - Cfm:- 250	2	0%	2	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
256		Ler: Louver - Cfm:- 300	2	0%	2	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
257		Ler: Louver - Cfm:- 350	2	0%	2	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
258		Ler: Louver - Cfm:- 475	4	0%	4	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	

PROJECT

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ADDRESS:

SCOPE: Plumbing

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ITEM #	DWG REF./ CSI SEC.	DESCRIPTION	QUANTITY	WASTAGE	QTY W/WASTAGE	UNIT	MAT COST	TOTAL MAT COST	LAB COST	TOTAL LAB COST	TOTAL COST	TRADE COST
259		Ler: Louver - Cfm:-A 80	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
260		Ler: Louver - Cfm:-A 100	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
261		Ler: Louver - Cfm:-A 150	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
262		Ler: Louver - Cfm:-A 175	4	0%	4	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
263		Ler: Louver - Cfm:-A 200	30	0%	30	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
264		Ler: Louver - Cfm:-B 225	4	0%	4	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
265		Ler: Louver - Cfm:-B 250	2	0%	2	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
266		Ler: Louver - Cfm:-B 270	14	0%	14	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
267		Ler: Louver - Cfm:-B 275	3	0%	3	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
268		Ler: Louver - Cfm:-B 280	13	0%	13	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
269		Ler: Louver - Cfm:-B 300	5	0%	5	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
270		Ler: Louver - Cfm:-C 540	3	0%	3	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
271		Ler: Louver - Cfm:-E 400	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
272		Ler: Louver - Cfm:-E 500	21	0%	21	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
273		Ler: Louver - Cfm:-E 520	10	0%	10	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
274		Ler: Louver - Cfm:-E 540	3	0%	3	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
275		Ler: Louver - Cfm:-E 750	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
276		Ler: Louver - Cfm:-F 375	12	0%	12	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
277		Ler: Louver - Cfm:-F 450	8	0%	8	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
278		Rag-A: Return Grille, Cfm:100	3	0%	3	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
279		Rag-A: Return Grille, Cfm:200	2	0%	2	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
280		Rag-A: Return Grille, Cfm:300	31	0%	31	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
281		Rag-A: Return Grille, Cfm:325	9	0%	9	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
282		Rag-A: Return Grille, Cfm:350	3	0%	3	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
283		Rag-A: Return Grille, Cfm:400	5	0%	5	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
284		Rag-A: Return Grille, Cfm:500	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
285		Rag-A: Return Grille, Cfm:600	6	0%	6	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
286		Rag-A: Return Grille, Cfm:650	3	0%	3	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
287		Rag-A: Return Grille, Cfm:700	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
288		Rag-A: Return Grille, Cfm:1060	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
289		Rag-A: Return Grille, Cfm:1100	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
290		Rag-A: Return Grille, Cfm:1780	3	0%	3	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
291		Rag-A: Return Grille, Cfm:1900	2	0%	2	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
292		Rag-A: Return Grille, Cfm:2425	4	0%	4	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
293		Rag-B: Return Grille, Cfm: 50	2	0%	2	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
294		Rag-B: Return Grille, Cfm: 75	8	0%	8	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
295		Rag-B: Return Grille, Cfm: 75	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
296		Rag-B: Return Grille, Cfm: 100	13	0%	13	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
297		Rag-B: Return Grille, Cfm: 150	15	0%	15	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
298		Rag-B: Return Grille, Cfm: 200	10	0%	10	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
299		Rag-B: Return Grille, Cfm: 250	5	0%	5	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
300		Rag-B: Return Grille, Cfm: 300	6	0%	6	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
301		Rag-B: Return Grille, Cfm: 360	5	0%	5	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
302		Rag-B: Return Grille, Cfm: 400	4	0%	4	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	

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303		Rag-B: Return Grille, Cfm: 500	4	0%	4	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
304		Rag-B: Return Grille, Cfm: 550	2	0%	2	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
305		Rag-B: Return Grille, Cfm: 600	5	0%	5	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
306		Rag-B: Return Grille, Cfm: 730	2	0%	2	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
307		Rag-B: Return Grille, Cfm: 800	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
308		Rag-B: Return Grille, Cfm: 900	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
309		Rag-B: Return Grille, Cfm: 950	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
310		Rag-B: Return Grille, Cfm: 1200	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
311		Rag-B: Return Grille, Cfm: 1400	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
312		Diffuser: 10" X 4"	8	0%	8	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
313		Diffuser: 10" X 8"	78	0%	78	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
314		Diffuser: 12" X 8"	78	0%	78	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
315		Diffuser: 18" X 12"	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
316		24" X 24" Down 3'-0"	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
317		48" X 36" Supply	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
318		Emergency Generator Silencer	3	0%	3	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
319		Iwh-01: Instant Water Heater	179	0%	179	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
320		Louver 72" X 120" 41600 Cfm	3	0%	3	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
321		Return 36" X20"	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
322		Return 48" X 24"	3	0%	3	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
323		Return 48" X 34"	2	0%	2	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
324		Stair Press 30" X 24"	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
325		Stair Press 30" X 24" 3400 Cfm	2	0%	2	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
326		Stair Press 36" X 24"	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
327		Stair Press 36" X 30"	5	0%	5	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
328		Stair Press 36" X30" 3400 Cfm	3	0%	3	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
329		Stair Press 42" X 30"	4	0%	4	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
330		Stair Press 48" X 30"	4	0%	4	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
331		Stair Press 60" X24"	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
332		Supply 38" X 24"	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
333		Supply 46" X 24"	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
334		Supply 48" X 22"	2	0%	2	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
335		Supply 48" X 32"	2	0%	2	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
336		12" X 8" Fresh Air Supply Diffuser:	10	0%	10	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
337		16" X 8" Fresh Air Supply Diffuser:	12	0%	12	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
338		20" X 6" Fresh Air Supply Diffuser:	4	0%	4	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
339		Fresh Air Supply Diffuser: 6" X 6"	6	0%	6	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
340		Fresh Air Supply Diffuser: 6" X4"	19	0%	19	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
341		Fresh Air Supply Diffuser: 12" X 6"	2	0%	2	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
342		Fresh Air Supply Diffuser: 14" X 8"	3	0%	3	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
343		Fresh Air Supply Diffuser: 18" X 6"	12	0%	12	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
344		Fresh Air Supply Diffuser: 18" X 8"	3	0%	3	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
345		6" X 4" Exhaust Air Grille:	12	0%	12	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
346		10" X 4" Exhaust Air Grille:	15	0%	15	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	

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347		12" X 6" Exhaust Air Grille:	22	0%	22	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
348		12" X 8" Exhaust Air Grille:	9	0%	9	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
349		12" X 10" Exhaust Air Grille:	14	0%	14	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
350		Exhaust Air Grille: 6" X 4"	31	0%	31	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
351		Exhaust Air Grille: 8" X 4"	5	0%	5	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
352		Exhaust Air Grille: 10" X 6"	9	0%	9	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
353		Exhaust Air Grille: 14" X 6"	13	0%	13	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
354		Exhaust Air Grille: 14" X 8"	24	0%	24	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
		Sensor										
355		No2: Nitrogen Dioxide Detector	93	0%	93	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
356		Co: Carbon Monoxide Detector	93	0%	93	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
		Fan										
357		Exhaust Fan - 701	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
358		Exhaust Fan - 03	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
359		Exhaust Fan - 01	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
360		Exhaust Fan - 702	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
361		Exhaust Fan - 01	32	0%	32	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
362		Exhaust Fan - 02	11	0%	11	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
363		Exhaust Fan - 03	4	0%	4	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
364		KS—03 Cfm:8000 Manufacturer: Greenheck Model's	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
365		KS—04 Cfm:5500 Manufacturer: Greenheck Model's	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
366		KS—06 Cfm:7000 Manufacturer: Greenheck Model's	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
367		KS—07 Cfm:10000 Manufacturer: Greenheck Model's	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
368		KS—08 Cfm:10500 Manufacturer: Greenheck Model's	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
369		KS—09 Cfm:4000 Manufacturer: Greenheck Model's	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	

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370		B-Ef-101: Exhaust Fan Airflow: 1,000 Cfm Spa: 2.0 Ing Rpm: 2175 Drive: Direct Motor: 15 Hp Power: 120V / 1 Phase / 60 Hz Manufacturer: Greenheck Model: 130Hp	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
371		B-Ef-104: Exhaust Fan Airflow: 1,300 Cfm Spa: 2.0 Ing Rpm: 1900 Type: Centrifugal Inline Drive: Direct Power: 120V / 1 Phase / 60 Hz Model: Greenheck	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
		Air Handling Unit										
372		Ahu-11 50 Tons 80 Gym	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
373		Ahu: Air Handling Unit - 101 Model: 39M Mfg.: Carrier V/Ph/Hz: 480/3/60 Size: 14W Air Flow: 6500	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
374		Ahu —102 Cfm:19400 Manufacturer: Carrier Model:14 Motor480/3/60	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
375		Ahu —103 Cfm:19500 Manufacturer: Carrier Model:14 Motor480/3/60	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
376		Ahu—104 Cfm:22000 Manufacturer: Carrier Model:14 Motor480/3/60	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
377		Ahu —105 Cfm:12850 Manufacturer: Carrier Model:14 Motor480/3/60	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	

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378		Ahu —106 Cfm:11600 Manufacturer: Carrier Model:14 Motor480/3/60	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
379		Ahu —107 Cfm:6600 Manufacturer: Carrier Model:14 Motor480/3/60	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
380		Ahu —108 Cfm:9200 Manufacturer: Carrier Model:14 Motor480/3/60	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
381		Ahu —109 Cfm:6500 Manufacturer: Carrier Model:14 Motor480/3/60	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
382		Ahu —110 Cfm:11000 Manufacturer: Carrier Model:14 Motor480/3/60	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
383		Ahu —201 Cfm:10600 Manufacturer: Carrier Model:14 Motor480/3/60	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
384		Ahu —202 Cfm:4750 Manufacturer: Carrier Model:14 Motor480/3/60	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
385		Ahu —203 Cfm:2000 Manufacturer: Carrier Model:14 Motor480/3/60	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
386		Ahu —204 Cfm:19400 Manufacturer: Carrier Model:14 Motor480/3/60	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	

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05/07/26

ITEM #	DWG REF./ CSI SEC.	DESCRIPTION	QUANTITY	WASTAGE	QTY W/WASTAGE	UNIT	MAT COST	TOTAL MAT COST	LAB COST	TOTAL LAB COST	TOTAL COST	TRADE COST
387		Ahu—205 Cfm:3750 Manufacturer: Carrier Model:14 Motor480/3/60	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
388		Ahu—206 Cfm:12000 Manufacturer: Carrier Model:14 Motor480/3/60	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
389		Ahu—207 Cfm:6400 Manufacturer: Carrier Model:14 Motor480/3/60	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
390		Ahu—208 Cfm:19. 400 Manufacturer: Carrier Model:14 Motor480/3/60	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
391		Ahu—209 Cfm:19400 Manufacturer: Carrier Model:14 Motor480/3/60	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
392		Ahu —210 Cfm:4500 Manufacturer: Carrier Model:14 Motor480/3/60	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
393		Ahu —501 Cfm:4000 Manufacturer: Carrier Model:14 Motor480/3/60	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
394		Ahu—502 Cfm:3000 Manufacturer: Carrier Model:14 Motor480/3/60	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
395		Ahu —701 Cfm:5500 Manufacturer: Carrier Model:14 Motor480/3/60	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	

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396		Ahu-702 Cfm:7000 Manufacturer: Carrier Model:14 Motor480/3/60	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
397		Ahu-703 Cfm:3500 Manufacturer: Carrier Model:14 Motor480/3/60	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
398		Ahu-704 Cfm:4000 Manufacturer: Carrier Model:14 Motor480/3/60	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
399		Ahu-705 Cfm:9000 Manufacturer: Carrier Model:14 Motor480/3/60	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
400		Ahu-706 Cfm:7000 Manufacturer: Carrier Model:14 Motor480/3/60	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
401		Oa-101 30,000 320 Gym Cfm:25000 Manufacturer: Carrier Model:14 Motor480/3/60	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
402		Oa-102 30,000 320 Gym Cfm:25000 Manufacturer: Carrier Model:14 Motor480/3/60	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
403		Oa-103 30,000 Cfm 320 Gym Cfm:25000 Manufacturer: Carrier Model:14 Motor480/3/60	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
404		12" X 8" Oa Cfm:25000 Manufacturer: Carrier Model:14 Motor480/3/60	3	0%	3	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	

PROJECT

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Contact: (305)-813-0053



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ITEM #	DWG REF./ CSI SEC.	DESCRIPTION	QUANTITY	WASTAGE	QTY W/WASTAGE	UNIT	MAT COST	TOTAL MAT COST	LAB COST	TOTAL LAB COST	TOTAL COST	TRADE COST
405		12" X 8" Oa Cfm:25000 Manufacturer: Carrier Model:14 Motor480/3/60	9	0%	9	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
406		14" X 6" Oa Cfm:25000 Manufacturer: Carrier Model:14 Motor480/3/60	13	0%	13	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
407		14" X10" Oa Cfm:25000 Manufacturer: Carrier Model:14 Motor480/3/60	14	0%	14	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
408		Oa 10" X 6" Cfm:25000 Manufacturer: Carrier Model:14 Motor480/3/60	12	0%	12	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
409		Oa 12" X 6" Cfm:25000 Manufacturer: Carrier Model:14 Motor480/3/60	8	0%	8	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
410		Oa 16" X 8" Cfm:25000 Manufacturer: Carrier Model:14 Motor480/3/60	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
411		Oa 16" X 8" Cfm:25000 Manufacturer: Carrier Model:14 Motor480/3/60	14	0%	14	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
		Variable Air Volume										
412		Vav—XX Inlet Size:20 X 16 Outlet Size:30 X 20 Airflow Rate (Cfm)3800 Inlet Velocity Cfm (Fpm):1750 Manufacturer:Metalaire Model:G3	30	0%	30	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	

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ITEM #	DWG REF./ CSI SEC.	DESCRIPTION	QUANTITY	WASTAGE	QTY W/WASTAGE	UNIT	MAT COST	TOTAL MAT COST	LAB COST	TOTAL LAB COST	TOTAL COST	TRADE COST
413		"Vav—170 Inlet Size:8 Outlet Size:12 X 10 Airflow Rate (Cfm)300 Inlet Velocity Cfm (Fpm):2050 Manufacturer:Metalaire Model:G3"	1	0%	1		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
414		"Vav—201 Inlet Size:20 X 16 Outlet Size:30 X 20 Airflow Rate (Cfm)3800 Inlet Velocity Cfm (Fpm):1750 Manufacturer:Metalaire Model:G3"	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
415		"Vav—202 Inlet Size:16 Outlet Size:24 X 18 Airflow Rate (Cfm)3480 Inlet Velocity Cfm (Fpm):2500 Manufacturer:Metalaire Model:G3"	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
416		"Vav—203 Inlet Size:20 X 16 Outlet Size:30 X 20 Airflow Rate (Cfm)3800 Inlet Velocity Cfm (Fpm):1750 Manufacturer:Metalaire Model:G3"	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
417		"Vav—204 Inlet Size:10 Outlet Size:14 X 12 Airflow Rate (Cfm)1080 Inlet Velocity Cfm (Fpm):1980 Manufacturer:Metalaire Model:G3"	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
418		"Vav—205 Inlet Size:20 X 16 Outlet Size:30 X 20 Airflow Rate (Cfm)3800 Inlet Velocity Cfm (Fpm):1750 Manufacturer:Metalaire Model:G3"	2	0%	2	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	

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ITEM #	DWG REF./ CSI SEC.	DESCRIPTION	QUANTITY	WASTAGE	QTY W/WASTAGE	UNIT	MAT COST	TOTAL MAT COST	LAB COST	TOTAL LAB COST	TOTAL COST	TRADE COST
419		"Vav—206 Inlet Size:6 Outlet Size:12 X 8 Airflow Rate (Cfm)300 Inlet Velocity Cfm (Fpm):1600 Manufacturer:Metalaire Model:G3"	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
420		"Vav—207 Inlet Size:10 Outlet Size:14 X 12 Airflow Rate (Cfm)1080 Inlet Velocity Cfm (Fpm):1980 Manufacturer:Metalaire Model:G3"	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
421		Vav-208"Vav—208 Inlet Size:4 Outlet Size:12 X 8 Airflow Rate (Cfm)100 Inlet Velocity Cfm (Fpm):1150 Manufacturer:Metalaire Model:G3"	2	0%	2	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
422		Vav-209"Vav—210 Inlet Size:4 Outlet Size:12 X 8 Airflow Rate (Cfm)100 Inlet Velocity Cfm (Fpm):1150 Manufacturer:Metalaire Model:G3"	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
423		"Vav—210 Inlet Size:4 Outlet Size:12 X 8 Airflow Rate (Cfm)100 Inlet Velocity Cfm (Fpm):1150 Manufacturer:Metalaire Model:G3"	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
424		"Vav—211 Inlet Size:8 Outlet Size:12 X 10 Airflow Rate (Cfm)800 Inlet Velocity Cfm (Fpm):2300 Manufacturer:Metalaire Model:G3"	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	

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425		"Vav—211 Inlet Size:8 Outlet Size:12 X 10 Airflow Rate (Cfm)800 Inlet Velocity Cfm (Fpm):2300 Manufacturer:Metalaire Model:G3"	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
426		"Vav—212 Inlet Size:4 Outlet Size:12 X 8 Airflow Rate (Cfm)100 Inlet Velocity Cfm (Fpm):1150 Manufacturer:Metalaire Model:G3"	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
427		"Vav—212 Inlet Size:4 Outlet Size:12 X 8 Airflow Rate (Cfm)100 Inlet Velocity Cfm (Fpm):1150 Manufacturer:Metalaire Model:G3"	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
428		"Vav—213 Inlet Size:4 Outlet Size:12 X 8 Airflow Rate (Cfm)100 Inlet Velocity Cfm (Fpm):1150 Manufacturer:Metalaire Model:G3"	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
429		"Vav—214 Inlet Size:4 Outlet Size:12 X 8 Airflow Rate (Cfm)100 Inlet Velocity Cfm (Fpm):1150 Manufacturer:Metalaire Model:G3"	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
430		"Vav—215 Inlet Size:14 Outlet Size:20 X 18 Airflow Rate (Cfm)1920 Inlet Velocity Cfm (Fpm):1800 Manufacturer:Metalaire Model:G3"	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	

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431		"Vav—216 Inlet Size:8 Outlet Size:12 X 10 Airflow Rate (Cfm)800 Inlet Velocity Cfm (Fpm):2300 Manufacturer:Metalaire Model:G3"	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
432		"Vav—218 Inlet Size:10 Outlet Size:14 X 12 Airflow Rate (Cfm)1120 Inlet Velocity Cfm (Fpm):2050 Manufacturer:Metalaire Model:G3"	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
433		"Vav—219 Inlet Size:6 Outlet Size:12 X 8 Airflow Rate (Cfm)300 Inlet Velocity Cfm (Fpm):1600 Manufacturer:Metalaire Model:G3"	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
434		"Vav—220 Inlet Size:20 X 16 Outlet Size:30 X 20 Airflow Rate (Cfm)4550 Inlet Velocity Cfm (Fpm):2375 Manufacturer:Metalaire Model:G3"	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
435		"Vav—221 Inlet Size:6 Outlet Size:12 X 8 Airflow Rate (Cfm)300 Inlet Velocity Cfm (Fpm):1600 Manufacturer:Metalaire Model:G3"	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
436		"Vav—221 Inlet Size:6 Outlet Size:12 X 8 Airflow Rate (Cfm)300 Inlet Velocity Cfm (Fpm):1600 Manufacturer:Metalaire Model:G3"	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	

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437		"Vav—223 Inlet Size:14 Outlet Size:20 X 18 Airflow Rate (Cfm)1920 Inlet Velocity Cfm (Fpm):1800 Manufacturer:Metalaire Model:G3"	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
438		"Vav—224 Inlet Size:16 Outlet Size:24 X 18 Airflow Rate (Cfm)3320 Inlet Velocity Cfm (Fpm):1550 Manufacturer:Metalaire Model:G3"	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
439		"Vav—225 Inlet Size:8 Outlet Size:12 X 10 Airflow Rate (Cfm)700 Inlet Velocity Cfm (Fpm):2000 Manufacturer:Metalaire Model:G3"	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
440		"Vav—225 Inlet Size:8 Outlet Size:12 X 10 Airflow Rate (Cfm)700 Inlet Velocity Cfm (Fpm):2000 Manufacturer:Metalaire Model:G3"	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
441		"Vav—226 Inlet Size:6 Outlet Size:12 X 8 Airflow Rate (Cfm)400 Inlet Velocity Cfm (Fpm):2050 Manufacturer:Metalaire Model:G3"	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
442		"Vav—227 Inlet Size:12 Outlet Size:16 X 16 Airflow Rate (Cfm)1500 Inlet Velocity Cfm (Fpm):1900 Manufacturer:Metalaire Model:G3"	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	

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443		"Vav—228 Inlet Size:6 Outlet Size:12 X 8 Airflow Rate (Cfm)400 Inlet Velocity Cfm (Fpm):2050 Manufacturer:Metalaire Model:G3"	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
444		"Vav—229 Inlet Size:6 Outlet Size:12 X 8 Airflow Rate (Cfm)400 Inlet Velocity Cfm (Fpm):2050 Manufacturer:Metalaire Model:G3"	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
445		"Vav—230 Inlet Size:8 Outlet Size:12 X 10 Airflow Rate (Cfm)800 Inlet Velocity Cfm (Fpm):2300 Manufacturer:Metalaire Model:G3"	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
446		"Vav—231 Inlet Size:10 Outlet Size:14 X 12 Airflow Rate (Cfm)400 Inlet Velocity Cfm (Fpm):1970 Manufacturer:Metalaire Model:G3"	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
447		"Vav—232 Inlet Size:12 Outlet Size:16 X 16 Airflow Rate (Cfm)1500 Inlet Velocity Cfm (Fpm):1900 Manufacturer:Metalaire Model:G3"	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
448		"Vav—233 Inlet Size:12 Outlet Size:16 X 16 Airflow Rate (Cfm)1500 Inlet Velocity Cfm (Fpm):1900 Manufacturer:Metalaire Model:G3"	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	

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449		"Vav—234 Inlet Size:6 Outlet Size:12 X 8 Airflow Rate (Cfm)400 Inlet Velocity Cfm (Fpm):2050 Manufacturer:Metalaire Model:G3"	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
450		"Vav—235 Inlet Size:10 Outlet Size:14 X 12 Airflow Rate (Cfm)400 Inlet Velocity Cfm (Fpm):1970 Manufacturer:Metalaire Model:G3"	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
451		"Vav—236 Inlet Size:12 Outlet Size:16 X 16 Airflow Rate (Cfm)1500 Inlet Velocity Cfm (Fpm):1900 Manufacturer:Metalaire Model:G3"	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
452		"Vav—237 Inlet Size:4 Outlet Size:12 X 8 Airflow Rate (Cfm)175 Inlet Velocity Cfm (Fpm):2150 Manufacturer:Metalaire Model:G3"	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
453		"Vav—238 Inlet Size:4 Outlet Size:12 X 8 Airflow Rate (Cfm)175 Inlet Velocity Cfm (Fpm):2150 Manufacturer:Metalaire Model:G3"	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
454		Vav—239 Inlet Size:8 Outlet Size:12 X 10 Airflow Rate (Cfm)800 Inlet Velocity Cfm (Fpm):2300 Manufacturer:Metalaire Model:G3	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	

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455		Vav—240 Inlet Size:6 Outlet Size:12 X 8 Airflow Rate (Cfm)400 Inlet Velocity Cfm (Fpm):2050 Manufacturer:Metalaire Model:G3	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
456		Vav—241 Inlet Size:4 Outlet Size:12 X 8 Airflow Rate (Cfm)175 Inlet Velocity Cfm (Fpm):2150 Manufacturer:Metalaire Model:G3	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
457		Vav—242 Inlet Size:8 Outlet Size:12 X 10 Airflow Rate (Cfm)800 Inlet Velocity Cfm (Fpm):2300 Manufacturer:Metalaire Model:G3	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
458		Vav—243 Inlet Size:12 Outlet Size:16 X 16 Airflow Rate (Cfm)1500 Inlet Velocity Cfm (Fpm):1900 Manufacturer:Metalaire Model:G3	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
459		Vav—244 Inlet Size:8 Outlet Size:12 X 10 Airflow Rate (Cfm)600 Inlet Velocity Cfm (Fpm):2450 Manufacturer:Metalaire Model:G3	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
460		Vav—24 Inlet Size:12 Outlet Size:16 X 16 Airflow Rate (Cfm)1500 Inlet Velocity Cfm (Fpm):1900 Manufacturer:Metalaire Model:G3	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	

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461		Vav—246 Inlet Size:8 Outlet Size:12 X 10 Airflow Rate (Cfm)800 Inlet Velocity Cfm (Fpm):2300 Manufacturer:Metalaire Model:G3	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
462		Vav—247 Inlet Size:6 Outlet Size:12 X 8 Airflow Rate (Cfm)400 Inlet Velocity Cfm (Fpm):1732 Manufacturer:Metalaire Model:G3	2	0%	2	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
463		Vav—248 Inlet Size:12 Outlet Size:16 X 16 Airflow Rate (Cfm)1500 Inlet Velocity Cfm (Fpm):1900 Manufacturer:Metalaire Model:G3	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
464		Vav—249 Inlet Size:20 X 16 Outlet Size:30 X 20 Airflow Rate (Cfm)4550 Inlet Velocity Cfm (Fpm):2375 Manufacturer:Metalaire Model:G3	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
465		Vav—250 Inlet Size:20 X 16 Outlet Size:30 X 20 Airflow Rate (Cfm)4550 Inlet Velocity Cfm (Fpm):2375 Manufacturer:Metalaire Model:G3	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
466		Vav—251 Inlet Size:20 X 16 Outlet Size:30 X 20 Airflow Rate (Cfm)4550 Inlet Velocity Cfm (Fpm):2375 Manufacturer:Metalaire Model:G3	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	

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467		Vav—252 Inlet Size:12 Outlet Size:16 X 16 Airflow Rate (Cfm)1500 Inlet Velocity Cfm (Fpm):1900 Manufacturer:Metalaire Model:G3	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
468		Vav—253 Inlet Size:14 Outlet Size:20 X 18 Airflow Rate (Cfm)1920 Inlet Velocity Cfm (Fpm):1800 Manufacturer:Metalaire Model:G3	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
469		Vav—254 Inlet Size:20 X 16 Outlet Size:30 X 20 Airflow Rate (Cfm)4550 Inlet Velocity Cfm (Fpm):2375 Manufacturer:Metalaire Model:G3	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
470		Vav—255 Inlet Size:20 X 16 Outlet Size:30 X 20 Airflow Rate (Cfm)4550 Inlet Velocity Cfm (Fpm):2375 Manufacturer:Metalaire Model:G3	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
471		Vav—256 Inlet Size:20 X 16 Outlet Size:30 X 20 Airflow Rate (Cfm)4550 Inlet Velocity Cfm (Fpm):2375 Manufacturer:Metalaire Model:G3	4	0%	4	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
		Fan Coil										
472		Fan Coil - Cfm:101	4	0%	4	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
473		Fan Coil - Cfm:103	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
474		Fan Coil - Cfm:104	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
475		Fan Coil - Cfm:105	2	0%	2	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
476		Fan Coil - Cfm:301	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
477		Fan Coil - Cfm:302	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
478		Fan Coil - Cfm:401	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
479		Fan Coil - Cfm:402	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
480		Fan Coil - Cfm:501	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
481		Fan Coil - Cfm:502	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
482		Fan Coil - Cfm:601	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	

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ITEM #	DWG REF./ CSI SEC.	DESCRIPTION	QUANTITY	WASTAGE	QTY W/WASTAGE	UNIT	MAT COST	TOTAL MAT COST	LAB COST	TOTAL LAB COST	TOTAL COST	TRADE COST
483		Fan Coil - Cfm:602	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
484		Fan Coil - Cfm:802	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
485		Fan Coil - Cfm:803	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
486		Fan Coil - Cfm:804	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
487		Fan Coil - Cfm:805	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
488		Fan Coil - Cfm:806	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
489		Fan Coil - Cfm:901	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
490		Fan Coil - Cfm:902	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
491		Fan Coil - Cfm:903	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
492		Fan Coil - Cfm:904	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
493		Fan Coil - Cfm:905	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
494		Fan Coil - Cfm:906	2	0%	2	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
495		Fan Coil - Cfm:1003	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
496		Fan Coil - Cfm:1004	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
497		Fan Coil - Cfm:1005	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
498		Fan Coil - Cfm:1102	4	0%	4	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
499		Fan Coil - Cfm:1106	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
500		Fan Coil - Cfm:1201	2	0%	2	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
501		Fan Coil - Cfm:1202	2	0%	2	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
502		Fan Coil - Cfm:1203	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
503		Fan Coil - Cfm:1204	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
504		Fan Coil - Cfm:1206	2	0%	2	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
		Fan Coil Unit										
505		Fcu—101 Cfm:1200 Manufacturer: Carrier Model:42Ca—12 Motor208/1 /60	547	0%	547	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
506		Fcu—102 Cfm:750 Manufacturer: Carrier Model:42Ca—08 Motor208/1 /60	482	0%	482	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
507		Fcu—103 Cfm:1200 Manufacturer: Carrier Model:42Ca—12 Motor208/1 /60	129	0%	129	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
508		Fcu—08 Cfm:300 Manufacturer: Carrier Model:42Ca—0 Motor208/1 /60	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	

PROJECT

PROJECT ID: Hard Rock Hotel

ADDRESS:

SCOPE: Plumbing

E-mail: estimate@msbestimating.com

Contact: (305)-813-0053



ITEM #	DWG REF./ CSI SEC.	DESCRIPTION	QUANTITY	WASTAGE	QTY W/WASTAGE	UNIT	MAT COST	TOTAL MAT COST	LAB COST	TOTAL LAB COST	TOTAL COST	TRADE COST
509		Fcu-70 Cfm:300 Manufacturer:Carrier Model:42Ca-06 Motor208/1 /60	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
510		Fcu-201 Cfm:750 Manufacturer: Carrier Model:42Ca-08 Motor208/1 /60	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
511		Fcu-202 Cfm:2000 Manufacturer: Carrier Model:42De-2 Motor208/1 /60	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
512		Fcu-203 Cfm:2000 Manufacturer: Carrier Model:42De-2 Motor208/1 /60	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
513		Fcu-204 Cfm:1200 Manufacturer: Carrier Model:42Ca-12 Motor208/1/6	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
514		Fcu-205 Cfm:1000 Manufacturer: Carrier Model:42Ca-10 Motor208/1 /60	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
515		Fcu-70 Cfm:1200 Manufacturer: Carrier Model:42Ca-12 Motor208/1 /60	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
516		Fcu-702 Cfm:1000 Manufacturer: Carrier Model:42Ca-1 Motor208/1 /60	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
517		Fcu-70 Cfm:1000 Manufacturer: Carrier Model:42Ca-12 Motor208/1 /60	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
518		Supply Fan-01	3	0%	3	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	

PROJECT

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SCOPE: Plumbing



ITEM #	DWG REF./ CSI SEC.	DESCRIPTION	QUANTITY	WASTAGE	QTY W/WASTAGE	UNIT	MAT COST	TOTAL MAT COST	LAB COST	TOTAL LAB COST	TOTAL COST	TRADE COST
519		He: Heat Exchanger-01	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
520		He: Heat Exchanger-02	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
521		He: Heat Exchanger-03	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
522		He: Heat Exchanger-04	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
523		He: Heat Exchanger-05	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
524		He: Heat Exchanger-06	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
525		He: Heat Exchanger-07	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
		Pollution Control Unit										
526		Pcu —01 Cfm:12900 Manufacturer:Captive Aire Model:Kb32 Motor:460/3/60 Weight:344 Lbs.	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
527		Pcu —02 Cfm:12600 Manufacturer:Captive Aire Model:Kb32 Motor:460/3/60 Weight:344 Lbs.	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
528		Pcu —03 Cfm:8100 Manufacturer:Captive Aire Model:Kb25 Motor:460/3/60 Weight:215 Lbs.	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
529		Pcu —04 Cfm:13200 Manufacturer:Captive Aire Model:Kb32 Motor:460/3/60 Weight:344 Lbs.	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
530		Pcu —05 Cfm:4800 Manufacturer:Captive Aire Model:Kb25 Motor:460/3/60 Weight:215 Lbs.	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
531		Pcu —06 Cfm:10200 Manufacturer:Captive Aire Model:Kb25 Motor:460/3/60 Weight:215 Lbs.	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	

PROJECT

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Contact: (305)-813-0053



05/07/26

ITEM #	DWG REF./ CSI SEC.	DESCRIPTION	QUANTITY	WASTAGE	QTY W/WASTAGE	UNIT	MAT COST	TOTAL MAT COST	LAB COST	TOTAL LAB COST	TOTAL COST	TRADE COST
532		Pcu —07 Cfm:12600 Manufacturer:Captive Aire Model:Kb32 Motor:460/3/60 Weight:344 Lbs.	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
		Chilled Piping										
		Carbon Steel										
533		1 1/2" Dia Chilled Hot Water Supply Piping	260	10%	286	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
534		1" Dia Chilled Hot Water Piping	515	10%	567	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
535		1" Dia Chilled Hot Water Supply Piping	521	10%	573	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
536		1/2" Chilled Hot Water Supply Piping	1117	10%	1228	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
537		1/2" Dia Chilled Hot Water Piping	851	10%	936	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
538		1/2" Dia Chilled Hot Water Supply Piping	93	10%	103	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
539		1/2" Dia Chilled Hot Water Supply Piping	686	10%	754	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
540		1-1/2" Dia Chilled Hot Water Piping	426	10%	469	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
541		1-1/2" Dia Chilled Hot Water Supply Piping	512	10%	563	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
542		2" Dia Chilled Hot Water Piping	431	10%	475	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
543		2" Dia Chilled Hot Water Supply Piping	7842	10%	8626	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
544		3" Dia Chilled Hot Water Piping	3468	10%	3815	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
545		3" Dia Chilled Hot Water Supply Piping	918	10%	1009	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
546		3" Dia Chilled Hot Water Supply Piping	4310	10%	4741	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
547		3/4" Dia Chilled Hot Water Piping	808	10%	888	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
548		3/4" Dia Chilled Hot Water Supply Piping	1137	10%	1251	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
549		4" Dia Chilled Hot Water Piping	91	10%	100	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
550		4" Dia Chilled Hot Water Supply Piping	268	10%	295	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
551		6" Dia Chilled Hot Water Piping	206	10%	227	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
552		6" Dia Chilled Hot Water Supply Piping	1242	10%	1367	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
553		6" Dia Hot Water Supply Piping	17	10%	19	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
554		10" Dia Chilled Hot Water Piping	380	10%	418	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
555		10" Dia Chilled Hot Water Supply Piping	441	10%	485	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
		Chilled Piping										
		Carbon Steel										
556		8" Dia Chilled Hot Water Piping	345	10%	379	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
557		8" Dia Chilled Hot Water Supply Piping	855	10%	941	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
558		12" Dia Chilled Hot Water Piping	1420	10%	1562	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
559		12" Dia Chilled Hot Water Supply Piping	1625	10%	1787	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
560		14" Dia Chilled Hot Water Supply Piping	500	10%	550	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
561		18" Dia Chilled Hot Water Piping	100	10%	110	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
562		18" Dia Chilled Hot Water Supply Piping	227	10%	250	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
563		20" Dia Chilled Hot Water Piping	708	10%	779	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
564		20" Dia Chilled Hot Water Supply Piping	288	10%	316	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	

PROJECT												
PROJECT ID: Hard Rock Hotel							E-mail: estimate@msbestimating.com			 ESTIMATING LLC 05/07/26		
ADDRESS:							Contact: (305)-813-0053					
SCOPE: Plumbing												

ITEM #	DWG REF / CSI SEC.	DESCRIPTION	QUANTITY	WASTAGE	QTY W/WASTAGE	UNIT	MAT COST	TOTAL MAT COST	LAB COST	TOTAL LAB COST	TOTAL COST	TRADE COST
Chilled Hot Water Return Piping												
Carbon Steel												
565		1 1/2" Dia Chilled Hot Water Return Piping	329	10%	362	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
566		1" Dia Chilled Hot Water Return Piping	79	10%	87	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
567		1/2" Dia Chilled Hot Water Return Piping	1294	10%	1423	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
568		2" Chilled Hot Water Return Piping	5942	10%	6536	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
569		2" Dia Chilled Hot Water Return Piping	1285	10%	1414	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
570		3" Dia Chilled Hot Water Return Piping	905	10%	996	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
571		3/4" Dia Chilled Hot Water Return Piping	316	10%	347	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
572		4" Dia Chilled Hot Water Return Piping	146	10%	160	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
573		6" Dia Chilled Hot Water Return Piping	996	10%	1095	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
574		8" Dia Chilled Hot Water Return Piping	646	10%	711	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
575		10" Dia Chilled Hot Water Return Piping	118	10%	130	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
576		12" Dia Chilled Hot Water Return Piping	188	10%	207	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
577		14" Dia Chilled Hot Water Return Piping	499	10%	549	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
578		18" Dia Chilled Hot Water Return Piping	131	10%	144	LF	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Fitting												
Chilled Hot Water Supply Piping Tee												
579		3/4" Dia Chilled Hot Water Supply Piping Tee	2	0%	2	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
580		3/4"x1/2"x3/4" Dia Chilled Hot Water Supply Piping Tee	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
581		3/4"x1/2"x1/2" Dia Chilled Hot Water Supply Piping Tee	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
582		1/2" Dia Chilled Hot Water Supply Piping Tee	5	0%	5	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
583		1/2"x1/2"x3/4" Dia Chilled Hot Water Supply Piping Tee	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
584		1/2"x1/2"x1-1/2" Dia Chilled Hot Water Supply Piping Tee	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
585		1" Dia Chilled Hot Water Supply Piping Tee	8	0%	8	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
586		1-1/2" Dia Chilled Hot Water Supply Piping Tee	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
587		1-1/2"x1-1/2"x1/2" Dia Chilled Hot Water Supply Piping Tee	2	0%	2	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
588		2"x4"x3" Dia Chilled Hot Water Supply Piping Tee	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
589		3" Dia Chilled Hot Water Supply Piping Tee	10	0%	10	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
590		3"x3/4"x3" Dia Chilled Hot Water Supply Piping Tee	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
591		3"x3"x1/2" Dia Chilled Hot Water Supply Piping Tee	3	0%	3	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
592		3"x3"x1" Dia Chilled Hot Water Supply Piping Tee	2	0%	2	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
593		3"x3"x1-1/2" Dia Chilled Hot Water Supply Piping Tee	2	0%	2	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
594		3"x3"x2" Dia Chilled Hot Water Supply Piping Tee	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
595		4"x2"x2" Dia Chilled Hot Water Supply Piping Tee	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
596		6"x6"x1" Dia Chilled Hot Water Supply Piping Tee	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
597		6"x6"x1/2" Dia Chilled Hot Water Supply Piping Tee	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
598		6"x6"x1-1/2" Dia Chilled Hot Water Supply Piping Tee	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
599		6"x6"x2" Dia Chilled Hot Water Supply Piping Tee	2	0%	2	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
600		6"x6"x3" Dia Chilled Hot Water Supply Piping Tee	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
601		8"x8"x1-1/2" Dia Chilled Hot Water Supply Piping Tee	3	0%	3	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
602		8"x8"x2" Dia Chilled Hot Water Supply Piping Tee	2	0%	2	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
603		8"x8"x3" Dia Chilled Hot Water Supply Piping Tee	4	0%	4	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
604		8"x8"x6" Dia Chilled Hot Water Supply Piping Tee	3	0%	3	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
605		10"x10"x3" Dia Chilled Hot Water Supply Piping Tee	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
606		10"x10"x8" Dia Chilled Hot Water Supply Piping Tee	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	

PROJECT												
PROJECT ID: Hard Rock Hotel							E-mail: estimate@msbestimating.com			 ESTIMATING LLC 05/07/26		
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SCOPE: Plumbing												

ITEM #	DWG REF./ CSI SEC.	DESCRIPTION	QUANTITY	WASTAGE	QTY W/WASTAGE	UNIT	MAT COST	TOTAL MAT COST	LAB COST	TOTAL LAB COST	TOTAL COST	TRADE COST
607		12"x12"x8" Dia Chilled Hot Water Supply Piping Tee	2	0%	2	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
608		12"x12"x1/2" Dia Chilled Hot Water Supply Piping Tee	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
609		12"x12"x1" Dia Chilled Hot Water Supply Piping Tee	2	0%	2	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
610		12"x12"x3" Dia Chilled Hot Water Supply Piping Tee	2	0%	2	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
611		12"x12"x4" Dia Chilled Hot Water Supply Piping Tee	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
612		12"x12"x6" Dia Chilled Hot Water Supply Piping Tee	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
613		20" Dia Chilled Hot Water Supply Piping Tee	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
614		20"x20"x10" Dia Chilled Hot Water Supply Piping Tee	5	0%	5	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
		Chilled Hot Water Supply Piping Elbow										
615		3/4" Dia Chilled Hot Water Supply Piping 90 Degree Elbow	6	0%	6	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
616		3/4"x1/2" Dia Chilled Hot Water Supply Piping 90 Degree Elbow	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
617		1/2" Dia Chilled Hot Water Supply Piping 90 Degree Elbow	10	0%	10	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
618		1/2" Dia Chilled Hot Water Supply Piping 45 Degree Elbow	3	0%	3	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
619		1/2" Dia Chilled Hot Water Supply Piping 90 Degree Elbow	24	0%	24	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
620		1/2" Dia Chilled Hot Water Supply Piping 45 Degree Elbow	6	0%	6	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
621		1" Dia Chilled Hot Water Supply Piping 90 Degree Elbow	6	0%	6	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
622		1-1/2" Dia Chilled Hot Water Supply Piping 90 Degree Elbow	7	0%	7	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
623		2" Dia Chilled Hot Water Supply Piping 90 Degree Elbow	6	0%	6	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
624		3" Dia Chilled Hot Water Supply Piping 90 Degree Elbow	21	0%	21	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
625		6" Dia Chilled Hot Water Supply Piping 90 Degree Elbow	2	0%	2	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
626		8" Dia Chilled Hot Water Supply Piping 90 Degree Elbow	2	0%	2	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
627		10" Dia Chilled Hot Water Supply Piping 90 Degree Elbow	3	0%	3	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
628		10" Dia Chilled Hot Water Supply Piping 45 Degree Elbow	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
629		12" Dia Chilled Hot Water Supply Piping 90 Degree Elbow	4	0%	4	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
630		20" Dia Chilled Hot Water Supply Piping 90 Degree Elbow	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
631		20" Dia Chilled Hot Water Supply Piping 45 Degree Elbow	2	0%	2	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
632		3" Dia Chilled Hot Water Return 90 Degree Elbow	2	0%	2	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
633		2" Dia Chilled Hot Water Return 90 Degree Elbow	245	0%	245	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
634		1/2" Dia Chilled Hot Water Return 90 Degree Elbow	19	0%	19	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
635		3" Dia Chilled Hot Water Supply 90 Degree Elbow	2	0%	2	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
636		2" Dia Chilled Hot Water Supply 90 Degree Elbow	158	0%	158	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
637		1/2" Dia Chilled Hot Water Supply 90 Degree Elbow	18	0%	18	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
		Chilled Hot Water Return Piping Elbow										
638		1" Dia Piping 45 Degree Elbow	2	0%	2	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
639		1" Dia Chilled Hot Water Return Piping 90 Degree Elbow	10	0%	10	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
640		1/2" Dia Chilled Hot Water Return Piping 45 Degree Elbow	6	0%	6	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
641		1/2" Dia Chilled Hot Water Return Piping 90 Degree Elbow	24	0%	24	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
642		1/2" Dia Chilled Hot Water Return Piping 45 Degree Elbow	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
643		1/2" Dia Chilled Hot Water Return Piping 90 Degree Elbow	14	0%	14	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
644		10" Dia Chilled Hot Water Return Piping 45 Degree Elbow	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
645		10" Dia Chilled Hot Water Return Piping 90 Degree Elbow	3	0%	3	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
646		1-1/2" Dia Chilled Hot Water Return Piping 90 Degree Elbow	6	0%	6	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
647		12" Dia Chilled Hot Water Return Piping 90 Degree Elbow	4	0%	4	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
648		2" Dia Chilled Hot Water Return Piping 90 Degree Elbow	6	0%	6	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
649		20" Dia Chilled Hot Water Return Piping 45 Degree Elbow	4	0%	4	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
650		20" Dia Chilled Hot Water Return Piping 90 Degree Elbow	3	0%	3	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	

PROJECT

PROJECT ID: Hard Rock Hotel

ADDRESS:

SCOPE: Plumbing

E-mail: estimate@msbestimating.com

Contact: (305)-813-0053



05/07/26

ITEM #	DWG REF./ CSI SEC.	DESCRIPTION	QUANTITY	WASTAGE	QTY W/WASTAGE	UNIT	MAT COST	TOTAL MAT COST	LAB COST	TOTAL LAB COST	TOTAL COST	TRADE COST
651		3" Dia Chilled Hot Water Return Piping 90 Degree Elbow	15	0%	15	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
652		3/4" Dia Chilled Hot Water Return Piping 90 Degree Elbow	10	0%	10	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
653		3/4"x3/4"x2" Dia Chilled Hot Water Return Piping Tee	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
654		3/4"x1/2" Dia Chilled Hot Water Return Piping 90 Degree Elbow	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
655		4" Dia Piping 90 Degree Elbow	4	0%	4	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
656		6" Dia Chilled Hot Water Return Piping 90 Degree Elbow	2	0%	2	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
657		8" Dia Chilled Hot Water Return Piping 90 Degree Elbow	2	0%	2	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
		Chilled Hot Water Return Piping Tee										
658		6"x2" Dia Piping Tee	10	0%	10	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
659		10"x2" Dia Piping Tee	2	0%	2	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
660		10"x10"X6" Dia Piping Tee	2	0%	2	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
661		18"x2" Dia Piping Tee	8	0%	8	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
662		18"x3" Dia Piping Tee	2	0%	2	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
663		18"x6" Dia Piping Tee	2	0%	2	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
664		1-1/2"x1" Dia Piping Tee	6	0%	6	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
665		1-1/2"x2" Dia Piping Tee	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
666		1-1/2" Dia Piping Tee	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
667		1"x3/4" Dia Piping Tee	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
668		2"x2" Dia Piping Cross	10	0%	10	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
669		2"x3"X2" Dia Piping Tee	3	0%	3	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
670		3"x3"X2" Dia Piping Tee	2	0%	2	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
671		1"x1-1/2" Dia Piping 90 Degree Tee	2	0%	2	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
672		2" Dia Piping 45 Degree Elbow	4	0%	4	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
673		2"x1/2" Dia Piping 90 Degree Tee	2	0%	2	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
674		2"x1/2" Dia Piping 90 Degree Tee	6	0%	6	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
675		4" Dia Piping 90 Degree Tee	2	0%	2	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
676		4"x1-1/2" Dia Piping 90 Degree Tee	2	0%	2	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
677		4"x2" Dia Piping 90 Degree Tee	2	0%	2	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
678		3/4" Dia Chilled Hot Water Return Piping Tee	3	0%	3	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
679		3/4"x3/4"x1/2" Dia Chilled Hot Water Return Piping Tee	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
680		3/4"x1/2"x1/2" Dia Chilled Hot Water Return Piping Tee	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
681		3/4"x1/2"x3/4" Dia Chilled Hot Water Return Piping Tee	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
682		1/2" Dia Chilled Hot Water Return Piping Tee	15	0%	15	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
683		1/2"x1/2"x3/4" Dia Chilled Hot Water Return Piping Tee	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
684		1"x3/4"x1/2" Dia Chilled Hot Water Return Piping Tee	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
685		1"x1"x3/4" Dia Hot Water Return Piping Tee	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
686		1-1/2"x1-1/2"x1/2" Dia Chilled Hot Water Return Piping Tee	2	0%	2	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
687		2"x2"x1-1/2" Dia Hot Water Return Piping Tee	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
688		2"x4"x3" Dia Chilled Hot Water Return Piping Tee	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
689		3" Dia Chilled Hot Water Return Piping Tee	7	0%	7	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
690		3"x3/4"x3" Dia Chilled Hot Water Return Piping Tee	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
691		3"x3"x1/2" Dia Chilled Hot Water Return Piping Tee	3	0%	3	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
692		3"x3"x1" Dia Chilled Hot Water Return Piping Tee	2	0%	2	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
693		3"x3"x1-1/2" Dia Chilled Hot Water Return Piping Tee	2	0%	2	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
694		3"x3"x2" Dia Chilled Hot Water Return Piping Tee	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
695		4"x2"x4" Dia Chilled Hot Water Return Piping Tee	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	

PROJECT												
PROJECT ID: Hard Rock Hotel							E-mail: estimate@msbestimating.com			 ESTIMATING LLC 05/07/26		
ADDRESS:							Contact: (305)-813-0053					
SCOPE: Plumbing												

ITEM #	DWG REF./ CSI SEC.	DESCRIPTION	QUANTITY	WASTAGE	QTY W/WASTAGE	UNIT	MAT COST	TOTAL MAT COST	LAB COST	TOTAL LAB COST	TOTAL COST	TRADE COST
696		6"x6"x1 Dia Chilled Hot Water Return Piping Tee	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
697		6"x6"x1-1/2" Dia Chilled Hot Water Return Piping Tee	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
698		6"x6"x2" Dia Chilled Hot Water Return Piping Tee	2	0%	2	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
699		6"x6"x2" Dia Chilled Hot Water Return Piping Tee	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
700		6"x6"x3" Dia Chilled Hot Water Return Piping Tee	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
701		8"x8"x1-1/2" Dia Chilled Hot Water Return Piping	3	0%	3	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
702		8"x8"x2" Dia Chilled Hot Water Return Piping Tee	2	0%	2	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
703		8"x8"x3" Dia Chilled Hot Water Return Piping Tee	4	0%	4	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
704		8"x8"x6" Dia Chilled Hot Water Return Piping Tee	3	0%	3	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
705		10"x10"x3" Dia Chilled Hot Water Return Piping Tee	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
706		10"x10"x8" Dia Chilled Hot Water Return Piping Tee	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
707		12"x12"x1/2" Dia Chilled Hot Water Return Piping Tee	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
708		12"x12"x1" Dia Chilled Hot Water Return Piping Tee	2	0%	2	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
709		12"x12"x4" Dia Chilled Hot Water Return Piping Tee	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
710		12"x12"x6" Dia Chilled Hot Water Return Piping	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
711		12"x12"x8" Dia Chilled Hot Water Return Piping	2	0%	2	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
712		12"x12"x3" Dia Chilled Hot Water Return Piping Tee	2	0%	2	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
713		20" Dia Chilled Hot Water Return Piping Tee	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
714		20"x20"x10" Dia Chilled Hot Water Return Piping Tee	12	0%	12	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
		Chilled Water Pump										
715		Location: Second Level Performance: Flow: 1600 GPM Head: 220 ft H2O NPSHR: 9.12 ft H2O Efficiency / Motor: NEMA Premium, 125 HP Motor: Speed: 1800 RPM Type: TEFC Power: 460V / 3PH / 60Hz Pump Details: Manufacturer: Armstrong Series: 4300 Curve: 0815-125 Size (In/Out): 8" / 8" Impeller Dia: 14.84" Seal: Type: Single Inside Spring Material: Carbon / Ceramic	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	

PROJECT

PROJECT ID: Hard Rock Hotel

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SCOPE: Plumbing

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ITEM #	DWG REF./ CSI SEC.	DESCRIPTION	QUANTITY	WASTAGE	QTY W/WASTAGE	UNIT	MAT COST	TOTAL MAT COST	LAB COST	TOTAL LAB COST	TOTAL COST	TRADE COST
716		CRWV-02: Chilled Water Pump Location: Second Level Performance: Flow: 1600 GPM Head: 220 ft H2O NPSHR: 9.12 ft H2O Efficiency / Motor: NEMA Premium, 125 HP Motor: Speed: 1800 RPM Type: TEFC Power: 460V / 3PH / 60Hz Pump Details: Manufacturer: Armstrong Series: 4300 Curve: 0815-125 Size (In/Out): 8" / 8" Impeller Dia: 14.84" Seal: Type: Single Inside Spring Material: Carbon / Ceramic	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
717		Location: Second Level Performance: Flow: 1600 GPM Head: 220 ft H2O NPSHR: 9.12 ft H2O Efficiency / Motor: NEMA Premium, 125 HP Motor: Speed: 1800 RPM Type: TEFC Power: 460V / 3PH / 60Hz Pump Details: Manufacturer: Armstrong Series: 4300 Curve: 0815-125 Size (In/Out): 8" / 8" Impeller Dia: 14.84" Seal: Type: Single Inside Spring Material: Carbon / Ceramic	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	

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ITEM #	DWG REF / CSI SEC.	DESCRIPTION	QUANTITY	WASTAGE	QTY W/WASTAGE	UNIT	MAT COST	TOTAL MAT COST	LAB COST	TOTAL LAB COST	TOTAL COST	TRADE COST
718		CRWT - 04. Chilled Water Pump Location: Second Level Performance: Flow: 1600 GPM Head: 220 ft H2O NPSHR: 9.12 ft H2O Efficiency / Motor: NEMA Premium, 125 HP Motor: Speed: 1800 RPM Type: TEFC Power: 460V / 3PH / 60Hz Pump Details: Manufacturer: Armstrong Series: 4300 Curve: 0815-125 Size (In/Out): 8" / 8" Impeller Dia: 14.84" Seal: Type: Single Inside Spring Material: Carbon / Ceramic	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
719		Capacity: 1000 Tons Efficiency: 0.5272 kW/Ton Refrigerant: R-1233zd(E) Compressor Type: VFD Screw Evaporator Data Entering Water Temp: 57°F Leaving Water Temp: 42°F Flow Rate: 1600 GPM Pressure Drop: 15.9 ft W.G. Fouling Factor: 0.0001 Number of Passes: 2 Condenser Data Entering Water Temp: 85°F Leaving Water Temp: 95°F Flow Rate: 3000 GPM Pressure Drop: 16.8 ft W.G. Fouling Factor: 0.000250 Number of Passes: 2 Unit Dimensions & Weight Length: 133 inches Width: — (Not specified) Height: 143 inches Operating Weight: 61,017 lbs Electrical Data Unit Power: 527.2 kW	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	

PROJECT

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ITEM #	DWG REF./ CSI SEC.	DESCRIPTION	QUANTITY	WASTAGE	QTY W/WASTAGE	UNIT	MAT COST	TOTAL MAT COST	LAB COST	TOTAL LAB COST	TOTAL COST	TRADE COST
720		Capacity: 1000 Tons Efficiency: 0.5272 kW/Ton Refrigerant: R-1233zd(E) Compressor Type: VFD Screw Evaporator Data Entering Water Temp: 57°F Leaving Water Temp: 42°F Flow Rate: 1600 GPM Pressure Drop: 15.9 ft W.G. Fouling Factor: 0.0001 Number of Passes: 2 Condenser Data Entering Water Temp: 85°F Leaving Water Temp: 95°F Flow Rate: 3000 GPM Pressure Drop: 16.8 ft W.G. Fouling Factor: 0.000250 Number of Passes: 2 Unit Dimensions & Weight Length: 133 inches Width: — (Not specified) Height: 143 inches Operating Weight: 61,017 lbs Electrical Data Unit Power: 527.2 kW	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	

PROJECT

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ITEM #	DWG REF./ CSI SEC.	DESCRIPTION	QUANTITY	WASTAGE	QTY W/WASTAGE	UNIT	MAT COST	TOTAL MAT COST	LAB COST	TOTAL LAB COST	TOTAL COST	TRADE COST
721		Capacity: 1000 Tons Efficiency: 0.5272 kW/Ton Refrigerant: R-1233zd(E) Compressor Type: VFD Screw Evaporator Data Entering Water Temp: 57°F Leaving Water Temp: 42°F Flow Rate: 1600 GPM Pressure Drop: 15.9 ft W.G. Fouling Factor: 0.0001 Number of Passes: 2 Condenser Data Entering Water Temp: 85°F Leaving Water Temp: 95°F Flow Rate: 3000 GPM Pressure Drop: 16.8 ft W.G. Fouling Factor: 0.000250 Number of Passes: 2 Unit Dimensions & Weight Length: 133 inches Width: — (Not specified) Height: 143 inches Operating Weight: 61,017 lbs Electrical Data Unit Power: 527.2 kW	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	

PROJECT

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05/07/26

ITEM #	DWG REF./ CSI SEC.	DESCRIPTION	QUANTITY	WASTAGE	QTY W/WASTAGE	UNIT	MAT COST	TOTAL MAT COST	LAB COST	TOTAL LAB COST	TOTAL COST	TRADE COST
722		Capacity: 1000 Tons Efficiency: 0.5272 kW/Ton Refrigerant: R-1233zd(E) Compressor Type: VFD Screw Evaporator Data Entering Water Temp: 57°F Leaving Water Temp: 42°F Flow Rate: 1600 GPM Pressure Drop: 15.9 ft W.G. Fouling Factor: 0.0001 Number of Passes: 2 Condenser Data Entering Water Temp: 85°F Leaving Water Temp: 95°F Flow Rate: 3000 GPM Pressure Drop: 16.8 ft W.G. Fouling Factor: 0.000250 Number of Passes: 2 Unit Dimensions & Weight Length: 133 inches Width: — (Not specified) Height: 143 inches Operating Weight: 61,017 lbs Electrical Data Unit Power: 527.2 kW	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
723		Location: Roof Service: Tower Water Flow Rate: 3000 GPM Head: 90 ft H2O NPSHR: 25.84 ft H2O Motor Details: Efficiency: NEMA Premium (12.12) RPM: 1800 Type: TEFO HP: 100 Voltage: 460/3/60 Pump Details: Manufacturer: Armstrong Series: 4300 Model: 1013-100 Impeller Diameter: 12.03 in Seal Type: Single, Carbon Ceramic	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	

PROJECT

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ITEM #	DWG REF./ CSI SEC.	DESCRIPTION	QUANTITY	WASTAGE	QTY W/WASTAGE	UNIT	MAT COST	TOTAL MAT COST	LAB COST	TOTAL LAB COST	TOTAL COST	TRADE COST
724		CH-02 - Condenser (Tower) Water Pumps Location: Roof Service: Tower Water Flow Rate: 3000 GPM Head: 90 ft H2O NPSHR: 25.84 ft H2O Motor Details: Efficiency: NEMA Premium (12.12) RPM: 1800 Type: TEFO HP: 100 Voltage: 460/3/60 Pump Details: Manufacturer: Armstrong Series: 4300 Model: 1013-100 Impeller Diameter: 12.03 in Seal Type: Single, Carbon Ceramic	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
725		CH-03 - Condenser (Tower) Water Pumps Location: Roof Service: Tower Water Flow Rate: 3000 GPM Head: 90 ft H2O NPSHR: 25.84 ft H2O Motor Details: Efficiency: NEMA Premium (12.12) RPM: 1800 Type: TEFO HP: 100 Voltage: 460/3/60 Pump Details: Manufacturer: Armstrong Series: 4300 Model: 1013-100 Impeller Diameter: 12.03 in Seal Type: Single, Carbon Ceramic	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	

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726		CTF-04 - Condenser (Tower) Water Pumps Location: Roof Service: Tower Water Flow Rate: 3000 GPM Head: 90 ft H2O NPSHR: 25.84 ft H2O Motor Details: Efficiency: NEMA Premium (12.12) RPM: 1800 Type: TEFO HP: 100 Voltage: 460/3/60 Pump Details: Manufacturer: Armstrong Series: 4300 Model: 1013-100 Impeller Diameter: 12.03 in Seal Type: Single, Carbon Ceramic	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
727		ET-01 - Expansion Tank Description: Chilled Water System Expansion Tank Location: Chiller Room (CUB) Serving: Chilled Water Similar To: Armstrong AX-100V	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
728		AS-01 - Air Separator Description: Chilled Water System Air Separator Location: Chiller Room (CUB) Serving: Chilled Water Similar To: Armstrong VAS-10 Remarks: With base ring	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
729		SD - Suction Diffuser Location: Chiller Room (CUB) Serving: Pumps Similar To: Armstrong Series SD Remarks: To be furnished by pump supplier	8	0%	8	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
730		BV-01 - Balancing Valve Description: Lug Type Butterfly Valve with Memory Stop Handle Location: Chiller Room (CUB) Similar To: Apollo Fig. 143	16	0%	16	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
731		TI - Temperature Indicator Description: Bimetal Dial Thermometer (25°F to 125°F) with Well, 5" Dial Serving: Chillers Similar To: Trerice Type 88560603 Remarks: Provide thermowell with 2" extension for insulated pipe	7	0%	7	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	

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732		PI – Pressure Gauge Description: 0–100 PSI Pressure Gauge Serving: Chillers and Pumps Similar To: Trerice 4508	32	0%	32	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
733		FC-01 – Flexible Connector Description: Two Sphere Flexible Connector Location: Chiller Room (CUB) Serving: Chillers and Pumps Similar To: Mercer Flexmore Style 452	8	0%	8	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
734		AAV – Automatic Air Vent Location: Chilled Water High Points Similar To: Taco 418	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
735		FV-01 – Butterfly Valve (Motorized) Description: Lug Type Butterfly Valve with Electric Actuator (120V/1/60) Location: Chiller Room (CUB) Similar To: Apollo Fig. 143	20	0%	20	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
736		Capacity: 3000 GPM HP/GPM: 0.026 Type: Counter Flow Performance Data Airflow: 289,300 CFM Entering Air (WB): 81°F Entering Water Temp: 95°F Leaving Water Temp: 85°F Pressure Drop: 2.7 PSI Number of Fans: 2 Fan Details Fan Type: Axial Discharge Airflow: 112,600 CFM Motor Characteristics RPM: 1800 Type: TEFC Motor Power: 25 HP Voltage: 460/3/60 Physical Data Operating Weight: 44,700 lbs Dimensions (W × L × H): 289" × 216" × 126" Manufacturer Details Manufacturer: Evapco Model: AT 224-4N18	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	

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737		Capacity: 3000 GPM HP/GPM: 0.026 Type: Counter Flow Performance Data Airflow: 289,300 CFM Entering Air (WB): 81°F Entering Water Temp: 95°F Leaving Water Temp: 85°F Pressure Drop: 2.7 PSI Number of Fans: 2 Fan Details Fan Type: Axial Discharge Airflow: 112,600 CFM Motor Characteristics RPM: 1800 Type: TEFC Motor Power: 25 HP Voltage: 460/3/60 Physical Data Operating Weight: 44,700 lbs Dimensions (W x L x H): 289" x 216" x 126" Manufacturer Details Manufacturer: Evapco Model: AT 224-4N18	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	

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ITEM #	DWG REF./ CSI SEC.	DESCRIPTION	QUANTITY	WASTAGE	QTY W/WASTAGE	UNIT	MAT COST	TOTAL MAT COST	LAB COST	TOTAL LAB COST	TOTAL COST	TRADE COST
738		Capacity: 3000 GPM HP/GPM: 0.026 Type: Counter Flow Performance Data Airflow: 289,300 CFM Entering Air (WB): 81°F Entering Water Temp: 95°F Leaving Water Temp: 85°F Pressure Drop: 2.7 PSI Number of Fans: 2 Fan Details Fan Type: Axial Discharge Airflow: 112,600 CFM Motor Characteristics RPM: 1800 Type: TEFC Motor Power: 25 HP Voltage: 460/3/60 Physical Data Operating Weight: 44,700 lbs Dimensions (W x L x H): 289" x 216" x 126" Manufacturer Details Manufacturer: Evapco Model: AT 224-4N18	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	

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739		Capacity: 3000 GPM HP/GPM: 0.026 Type: Counter Flow Performance Data Airflow: 289,300 CFM Entering Air (WB): 81°F Entering Water Temp: 95°F Leaving Water Temp: 85°F Pressure Drop: 2.7 PSI Number of Fans: 2 Fan Details Fan Type: Axial Discharge Airflow: 112,600 CFM Motor Characteristics RPM: 1800 Type: TEFC Motor Power: 25 HP Voltage: 460/3/60 Physical Data Operating Weight: 44,700 lbs Dimensions (W x L x H): 289" x 216" x 126" Manufacturer Details Manufacturer: Evapco Model: AT 224-4N18	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
740		FC-02 – Flexible Connector Description: Two Sphere Flexible Connector Location: Chiller Room (CUB) Serving: Chillers and Pumps Similar To: Mercer Flexmore Style 452	8	0%	8	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
741		RP-06 – Hot Water Circulating Pump Flow: 8 GPM Body: Bronze Voltage: 230V Motor Power: 0.75 HP Full Load Amps: 3.8 A Similar To: Taco Model 1915e	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
742		TW – Temperature Indicator with Thermowell Description: Bimetal Dial Thermometer (25°F to 125°F) with Well, 5" Dial Serving: Chillers Similar To: Trerice Type 88560603 Remarks: Provide thermowell with 2" extension for insulated pipe	7	0%	7	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	

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743		BF010Refrigerated Cold Rail Provided By:KEC Installed By:KEC Mfr: Model:Custom	3	0%	3	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
744		CIK049Backbar Refrigerator Provided By:KE C Installed By:KEC Mfr:Glastender Model:C1S B48L-SN(LR)	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
745		YR049Exhaust Ventilator Provided By:KEC Installed By:KEC Mfr:CaptieAire Model:6024-ND-2-PSP-F	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
746		YK023Walk-in Cooler Assembly Provided By:KEC Installed By:KEC Mfr:RMI or Equal Model:Custom	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
747		YK026Remote Refrigeration Compressor Provided By:KEC Installed By:KEC Mfr:Airdyne Model:WZM15E 3	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
748		PSB001Walk-In Cooler Assembly Provided By:KEC Installed By:KEC Mfr:RMI or Equal Model:Custom	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
749		PSB004Remote Refrigeration Compressor Provided By:KEC Installed By:KEC Mfr:RMI A irdyne Model:WHM075E 1	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
750		PK016Refrigerated Equipment Stand Provided By:KEC Installed By:KEC Mfr:Jade Range Model:JRLH-02S-T-60	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
751		PK001Walk-In Cooler Assembly Provided By:KEC Installed By:KEC Mfr:RMI or Equal Model:Custom	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	

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752		PK003Cooler Coil Provided By:KEC Installed By:KEC Mfr:RMI Airdyne Model:BEL0060AS6AM	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
753		PK004Remote Refrigeration Compressor Provided By:KEC Installed By:KEC Mfr:RMI Airdyne Model:WHM075E 1	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
754		PK008Exhaust Ventilator Provided By:KEC Installed By:KEC Mfr:CaptiveAire Model:6030-T-ND-2-PSP-F	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
755		PG049Walk-In Cooler Assembly Provided By:KEC Installed By:KEC Mfr:RMI or Equal Model:Custom	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
756		PG052Remote Refrigeration Compressor Provided By:KEC Installed By:KEC Mfr:Airdy ne Model:WZM 17E3	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
757		PG046U/C Freezer Provided By:KEC Installed By:KEC Mfr:True Food Sewce Equipment Model:TUC-27F-LP-HC	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
758		PG033Refrigerated Equipment Stand Provided By:KEC Installed By:KEC Mfr:Jade Range Model:JRLH-025-T-72	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
759		PG008Exhaust Ventilator Provided By:KEC Installed By:KEC Mfr:CaptiveAire Model:4830-T-VHB-G	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
760		M068Reach-In Freezer Provided By:KEC Installed By:KEC Mfr:True Model:STG1F-15	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	

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761		M069Reach-In Glass Door Refrigerator Provided By:KEC Installed By:KEC Mfr:True Model:STG1R-1G	2	0%	2	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
762		M037Refrigerated Equipment Stand Provided By:KEC Installed By:KEC Mfr:Jade Range Model:JRLH-025-T-36	3	0%	3	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
763		M043Reach-in Blast Chiller (110 lbs.) Provided By:KEC Installed By:KEC Mfr:Electrolux Model:(101) 727738	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
764		M047Exhaust Ventilator Provided By:KEC Installed By:KEC Mfr:Captiveaire Model:6030-T-ND-2-PSP-F	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
765		M029Exhaust Ventilator Provided By:KEC Installed By:KEC Mfr:Captiveaire Model:6030-T-ND-2-PSP-F	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
766		M024Reach-In Refrigerator Provided By:KEC Installed By:KEC Mfr:True Model:STG1R-15	3	0%	3	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
767		M012Remote Refrigeration Compressor Provided By:KEC Installed By:KEC Mfr:RMI-Airdyne Model:WZL30E3	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
768		M019Reach-In Refrigerator Provided By:KEC Installed By:KEC Mfr:True Model:T-19-HC	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
769		M004Walk-In Cooler / Freezer Assembly Provided By:KEC Installed By:KEC Mfr:RMI or Equal Model:Custom	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	

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770		M006Cooler Coil Provided By:KEC Installed By:KEC Mfr:RMI-Airby ne Model:BEL0060AS6AM	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
771		M007Remote Refrigeration Compressor Provided By:KEC Installed By:KEC Mfr:RMI-Airby ne Model:WHM075E 1	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
772		M008Cooler Coil Provided By:KEC Installed By:KEC Mfr:RMI-Airby ne Model:BEL0105AS6AMA	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
773		M009Remote Refrigeration Compressor Provided By:KEC Installed By:KEC Mfr:RMI-Airby ne Model:WZM15E3	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
774		M010Freezer Coil Provided By:KEC Installed By:KEC Mfr:RMI-Airby ne Model:BEL0080BS6EMA	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
775		HA099Reach-In Refrigerator Provided By:KEC Installed By:KEC Mfr:True Model:STG1R-1G-HC	2	0%	2	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
776		HA034Reach-In Dual Temp Refrigerator / Freezer Provided By:KEC Installed By:KEC Mfr:True Model:STG1DT-2HS-HC	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
777		HA035Exhaust Ventilator Provided By:KEC Installed By:KEC Mfr:CaptieAire Model:6030-T-ND-2-PSP-F	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
778		HA053Reach-In Refrigerator Provided By:KEC Installed By:KEC Mfr:True Model:STG1R-2S-HC	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	

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779		HA028Exhaust Ventilator Provided By:KEC Installed By:KEC Mfr:CaptieAire Model:4830-T-ND-2	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
780		HA001Walk-In Cooler Assembly Provided By:KEC Installed By:KEC Mfr:RMI Model:Custom	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
781		HA003Cooler Coil Provided By:KEC Installed By:KEC Mfr:Airdyne Model:BEL0125AS6AMA	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
782		HA004Remote Refrigeration Compressor Provided By:KEC Installed By:KEC Mfr:Airdyne Model:WZM17E3	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
783		HA008Walk-In Cooler Assembly Provided By:KEC Installed By:KEC Mfr:RMI Model:Custom	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
784		HA010Beverage Cooler Coil Provided By:KEC Installed By:KEC Mfr:Airdyne Model:BEL0125AS6AMA	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
785		HA011Remote Refrigeration Compressor Provided By:KEC Installed By:KEC Mfr:Airdyne Model:WZM17E3	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
786		ED018Exhaust Ventilator Provided By:KEC Installed By:KEC Mfr:CaptieAire Model:6030-T-ND-2-PSP-F	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
787		ED019Fire Suppression System Provided By:KEC Installed By:KEC Mfr:Ansul Model:R-102	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	

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788		ED0284 Drawer Condiment Top Refrigerator Provided By:KEC Installed By:KEC Mfr:True Food Service Equipment Model:TSSU-48-12D-2-HC	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
789		ED039Condiment Top Refrigerator Provided By:KEC Installed By:KEC Mfr:True Food Service Equipment Model:TSSU72-18	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
790		ED001Walk-in Cooler/Freezer Assembly Provided By:KEC Installed By:KEC Mfr:RMI or Equal Model:Custom	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
791		ED003Freezer Coil Provided By:KEC Installed By:KEC Mfr:RMI/Airdyne Model:BEL0065BS6E M	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
792		ED004Remote Refrigeration Compressor Provided By:KEC Installed By:KEC Mfr:RMI/Airdyne Model:WZL17E1	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
793		ED005Cooler Coil Provided By:KEC Installed By:KEC Mfr:RMI/Airdyne Model:BEL0060AS6AM	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
794		ED006Remote Refrigeration Compressor Provided By:KEC Installed By:KEC Mfr:RMI/Airdyne Model:WHM075E 1	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
795		COK106Exhaust Ventilator Provided By:KEC Installed By:KEC Mfr:Gaylord Model:PBW-20	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
796		COK051Exhaust Ventilator Provided By:KEC Installed By:KEC Mfr:Gaylord Model:PBW-20	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	

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ITEM #	DWG REF./ CSI SEC.	DESCRIPTION	QUANTITY	WASTAGE	QTY W/WASTAGE	UNIT	MAT COST	TOTAL MAT COST	LAB COST	TOTAL LAB COST	TOTAL COST	TRADE COST
797		COK040Reach-in Blast Chiller (110 lbs.) Provided By:KEC Installed By:KEC Mfr:Electrolux Model:(101) 727738	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
798		COK004Walk-In Cooler / Freezer Assembly Provided By:KEC Installed By:KEC Mfr:RMI Model:Custom	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
799		COK006Cooler Coil Provided By:KEC Installed By:KEC Mfr:RMI-Airdyne Model:BEL0155AS6AM	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
800		COK007Remote Refrigeration Compressor Provided By:KEC Installed By:KEC Mfr:RMI-Airdyne Model:WZM29E3	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
801		COK008Cooler Coil Provided By:KEC Installed By:KEC Mfr:RMI-Airdyne Model:BEL0125AS6AMA	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
802		COK009Remote Refrigeration Compressor Provided By:KEC Installed By:KEC Mfr:RMI-Airdyne Model:WZM17E3	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
803		COK010Freezer Coil Provided By:KEC Installed By:KEC Mfr:RMI-Airdyne Model:BEL0080B S6EM	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
804		COK011Remote Refrigeration Compressor Provided By:KEC Installed By:KEC Mfr:RMI-Airdyne Model:WZL17E1	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
805		COK012Freezer Coil Provided By:KEC Installed By:KEC Mfr:RMI-Airdyne Model:BEL0065B S6EM	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	

PROJECT

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ADDRESS:

SCOPE: Plumbing

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806		COK013Freezer Drain Line Heater Wire Provided By:EC Installed By:EC Mfr: Model:	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
807		COK014Remote Refrigeration Compressor Provided By:KEC Installed By:KEC Mfr:RMI-Airdyne Model:WZL17E1	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
808		CIK030Exhaust Ventilator Provided By:KEC Installed By:KEC Mfr:Gaylord Model:EL-S D-CL-S-MP-SPA-DCA400-48	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
809		CIK022U/C Refrigerator Provided By:KEC Installed By:KEC Mfr:Glastender Model:C1S L44-UC-L	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
810		CIK023U/C Refrigerator Provided By:KEC Installed By:KEC Mfr:Glastender Model:C1S L44-UC-R	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
811		CG056Undercounter Refrigerator (left hinged) Provided By:KEC Installed By:KEC Mfr:BeuerQge-Air Model:UCR24-HC (L)	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
812		CG057Undercounter Refrigerator (nght hinged) Provided By:KEC Installed By:KEC Mfr:Beverage-Air Model:UCR24-HC (R)	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
813		CIK001Exhaust Ventilator Provided By:KEC Installed By:KEC Mfr:CaptieAire Model:6030-T-ND-2-PSP-F	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
814		CG028Undercounter Refrgerator Provided By:KEC Installed By:KEC Mfr:True Manufactunng Model:TUC-48-LP	2	0%	2	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	

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815		CG 045U/C Refrigerated Grab-N-Go Case Provided By:KEC Installed By:KEC Mfr:Structural Concept Model:C53R-UC	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
816		CG004Remote Refrigeration Compressor Provided By:KEC Installed By:KEC Mfr:RMI/Airdyne Model:WZM15E3	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
817		CG 030Undercounter Refrgerator Provided By:KEC Installed By:KEC Mfr:True Manufactunng Model:TUC-27-LP	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
818		CG 001Walk-In Cooler Assembly Provided By:KEC Installed By:KEC Mfr:RMI or Equal Model:Custom	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
819		CG 003Cooler Coil Provided By:KEC Installed By:KEC Mfr:RMI/Airdyne Model:BELO095AS6AM	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
820		BS024Undermounted Refrigerated Cold Shelf Provided By:KE C Installed By:KEC Mfr:Hatco Model:CSU-48-S	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
821		BS010Remote Refrigeration Compressor Provided By:KEC Installed By:KEC Mfr:RMI-Airdyne Model:WZM 17E3	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
822		BQ026Fire Suppression System Provided By:KEC Installed By:KEC Mfr:Ansul Model:R-102	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
823		BQ024Exhaust Ventilator Provided By:KEC Installed By:KEC Mfr:CaptiveAire Model:6030-T-ND-2-PSP-F	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	

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824		BQ019Remote Condenser Unit Provided By:KEC Installed By:KEC Mfr:RMI/Airdyne Model:WZM70E3	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
825		BQ009Freezer Drain Line Heater Wire Provided By:EC Installed By:EC Mfr: Model:	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
826		BQ010Remote Refrigeration Compressor Provided By:KEC Installed By:KEC Mfr:RMI/Airdyne Model:WZL32E3	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
827		BQ018Roll-In Blast Freezer ((20)13x18) Provided By:KEC Installed By:KEC Mfr:Electrolux Model:201 w/ (1) mobile rack	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
828		BQ004Walk-In Cooler/ Freezer Assembly Provided By:KEC Installed By:KEC Mfr:RMI or Equal Model:Custom	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
829		BQ007Remote Refrigeration Compressor Provided By:KEC Installed By:KEC Mfr:RMI/Airdyne Model:WZM017E3	1	0%	1	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
		Damper										
830		Opposed Blade Dampers	277	0%	277	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
831		Volume Damper	662	0%	662	EA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Subtotal (Heating, Ventilating & Air-Conditioning)							TOTAL MAT COST:	\$0	LABOR COST			\$2,584,344

SUBTOTAL	20%		\$2,584,344.00
OVERHEADS & PROFITS	3%		\$77,530.32
INSURANCES	7%		\$180,904.08
TOTAL BASE BID			\$5,427,122.40

Note:

- This estimate is based on real market prices that are regularly updated by our team persons through market surveys and online resources, we still encourage our clients to put their own.
- This sheet is your property and we encourage you to fine tune the wastage and pricing values to your preference.
- Feel free to contact us for any queries or suggestions.