



SR. NO.	DESCRIPTION	QUANTITY	WASTAGE	QTY WITH WASTAGE	UNIT	UNIT LABOR HOURS	UNIT MATERIAL COST	UNIT LABOR COST	TOTAL LABOR HOURS	TOTAL MATERIAL COST	TOTAL LABOR COST	UNIT ITEM COST	TOTAL ITEM COST
<b>HVAC ESTIMATE</b>													
<b>NEW WORK</b>													
<b>DUCT WORK</b>													
Sheet Metal Duct													
1	6" Dia Supply Air Duct	4	10%	4	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
2	8" Dia Supply Air Duct	30	10%	33	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
3	5"x4" Supply Air Duct	12	10%	13	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
4	6"x6" Supply Air Duct	72	10%	79	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
5	8"x4" Supply Air Duct	4	10%	4	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
6	8"x6" Supply Air Duct	401	10%	441	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
7	8"x8" Supply Air Duct	180	10%	198	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
8	10"x6" Supply Air Duct	1264	10%	1390	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
9	10"x8" Supply Air Duct	130	10%	143	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
10	10"x10" Supply Air Duct	108	10%	119	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
11	12"x6" Supply Air Duct	655	10%	721	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
12	12"x8" Supply Air Duct	64	10%	70	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
13	12"x10" Supply Air Duct	56	10%	62	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
14	12"x12" Supply Air Duct	12	10%	13	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
15	14"x6" Supply Air Duct	267	10%	294	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
16	14"x8" Supply Air Duct	54	10%	59	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
17	14"x10" Supply Air Duct	69	10%	76	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
18	14"x12" Supply Air Duct	41	10%	45	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
19	16"x6" Supply Air Duct	117	10%	129	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
20	16"x8" Supply Air Duct	6	10%	7	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
21	16"x10" Supply Air Duct	70	10%	77	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
22	16"x12" Supply Air Duct	16	10%	18	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
23	16"x14" Supply Air Duct	5	10%	5	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
24	18"x6" Supply Air Duct	132	10%	145	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
25	18"x8" Supply Air Duct	17	10%	19	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
26	18"x10" Supply Air Duct	38	10%	42	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
27	18"x12" Supply Air Duct	36	10%	40	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
28	20"x6" Supply Air Duct	52	10%	57	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
29	20"x12" Supply Air Duct	22	10%	25	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
30	20"x14" Supply Air Duct	18	10%	20	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -

31	20"x16" Supply Air Duct	6	10%	7	FT	0.000	\$	-	\$	-	0.0	\$	-	\$	-	\$	-	\$	-
32	22"x6" Supply Air Duct	115	10%	127	FT	0.000	\$	-	\$	-	0.0	\$	-	\$	-	\$	-	\$	-
33	22"x8" Supply Air Duct	25	10%	27	FT	0.000	\$	-	\$	-	0.0	\$	-	\$	-	\$	-	\$	-
34	22"x14" Supply Air Duct	88	10%	97	FT	0.000	\$	-	\$	-	0.0	\$	-	\$	-	\$	-	\$	-
35	22"x16" Supply Air Duct	44	10%	49	FT	0.000	\$	-	\$	-	0.0	\$	-	\$	-	\$	-	\$	-
36	24"x6" Supply Air Duct	212	10%	233	FT	0.000	\$	-	\$	-	0.0	\$	-	\$	-	\$	-	\$	-
37	24"x12" Supply Air Duct	28	10%	31	FT	0.000	\$	-	\$	-	0.0	\$	-	\$	-	\$	-	\$	-
38	26"x6" Supply Air Duct	49	10%	54	FT	0.000	\$	-	\$	-	0.0	\$	-	\$	-	\$	-	\$	-
39	26"x8" Supply Air Duct	42	10%	46	FT	0.000	\$	-	\$	-	0.0	\$	-	\$	-	\$	-	\$	-
40	26"x16" Supply Air Duct	33	10%	36	FT	0.000	\$	-	\$	-	0.0	\$	-	\$	-	\$	-	\$	-
41	28"x6" Supply Air Duct	453	10%	498	FT	0.000	\$	-	\$	-	0.0	\$	-	\$	-	\$	-	\$	-
42	28"x12" Supply Air Duct	13	10%	14	FT	0.000	\$	-	\$	-	0.0	\$	-	\$	-	\$	-	\$	-
43	30"x8" Supply Air Duct	4	10%	5	FT	0.000	\$	-	\$	-	0.0	\$	-	\$	-	\$	-	\$	-
44	30"x16" Supply Air Duct	4	10%	4	FT	0.000	\$	-	\$	-	0.0	\$	-	\$	-	\$	-	\$	-
45	30"x28" Supply Air Duct (Fire Rated)	58	10%	64	FT	0.000	\$	-	\$	-	0.0	\$	-	\$	-	\$	-	\$	-
46	30"x28" Supply Air Duct (Size Assumed)	109	10%	120	FT	0.000	\$	-	\$	-	0.0	\$	-	\$	-	\$	-	\$	-
47	30"x28" Supply Air Duct (Size Assumed) (Fire Rated)	47	10%	52	FT	0.000	\$	-	\$	-	0.0	\$	-	\$	-	\$	-	\$	-
48	30"x30" Supply Air Duct	12	10%	13	FT	0.000	\$	-	\$	-	0.0	\$	-	\$	-	\$	-	\$	-
49	32"x8" Supply Air Duct	17	10%	19	FT	0.000	\$	-	\$	-	0.0	\$	-	\$	-	\$	-	\$	-
50	32"x18" Supply Air Duct	48	10%	53	FT	0.000	\$	-	\$	-	0.0	\$	-	\$	-	\$	-	\$	-
51	34"x18" Supply Air Duct	9	10%	10	FT	0.000	\$	-	\$	-	0.0	\$	-	\$	-	\$	-	\$	-
52	40"x18" Supply Air Duct	15	10%	16	FT	0.000	\$	-	\$	-	0.0	\$	-	\$	-	\$	-	\$	-
53	6"x6" Return Air Duct	14	10%	15	FT	0.000	\$	-	\$	-	0.0	\$	-	\$	-	\$	-	\$	-
54	12"x8" Return Air Duct	7	10%	8	FT	0.000	\$	-	\$	-	0.0	\$	-	\$	-	\$	-	\$	-
55	14"x6" Return Air Duct	12	10%	13	FT	0.000	\$	-	\$	-	0.0	\$	-	\$	-	\$	-	\$	-
56	20"x20" Return Air Duct (Assumed)	7	10%	8	FT	0.000	\$	-	\$	-	0.0	\$	-	\$	-	\$	-	\$	-
57	24"x10" Return Air Duct	2	10%	2	FT	0.000	\$	-	\$	-	0.0	\$	-	\$	-	\$	-	\$	-
58	28"x10" Return Air Duct	75	10%	82	FT	0.000	\$	-	\$	-	0.0	\$	-	\$	-	\$	-	\$	-
59	18"x10" Laundry Makeup Air Duct	30	10%	33	FT	0.000	\$	-	\$	-	0.0	\$	-	\$	-	\$	-	\$	-
60	24"x28" Kitchen Makeup Duct	133	10%	146	FT	0.000	\$	-	\$	-	0.0	\$	-	\$	-	\$	-	\$	-
61	26"x24" Makeup Air Duct	48	10%	53	FT	0.000	\$	-	\$	-	0.0	\$	-	\$	-	\$	-	\$	-
62	26"x24" Makeup Air Duct (Fire Rated Enclosure)	132	10%	145	FT	0.000	\$	-	\$	-	0.0	\$	-	\$	-	\$	-	\$	-
63	32"x28" Kitchen Makeup Duct	67	10%	74	FT	0.000	\$	-	\$	-	0.0	\$	-	\$	-	\$	-	\$	-
64	5" Dia Exhaust Air Duct	2759	10%	3035	FT	0.000	\$	-	\$	-	0.0	\$	-	\$	-	\$	-	\$	-
65	10" Dia Exhaust Air Duct	37	10%	41	FT	0.000	\$	-	\$	-	0.0	\$	-	\$	-	\$	-	\$	-
66	12" Dia Engine Exhaust W/ 3" Insulation & (3)Expansion Compensators	30	10%	33	FT	0.000	\$	-	\$	-	0.0	\$	-	\$	-	\$	-	\$	-
67	5"x4" Exhaust Air Duct	10	10%	11	FT	0.000	\$	-	\$	-	0.0	\$	-	\$	-	\$	-	\$	-
68	6"x6" Compactor Room Exhaust Duct	19	10%	21	FT	0.000	\$	-	\$	-	0.0	\$	-	\$	-	\$	-	\$	-
69	6"x6" Exhaust Air Duct	210	10%	231	FT	0.000	\$	-	\$	-	0.0	\$	-	\$	-	\$	-	\$	-
70	8"x6" Exhaust Air Duct	51	10%	56	FT	0.000	\$	-	\$	-	0.0	\$	-	\$	-	\$	-	\$	-
71	8"x6" Kitchen Exhaust Air Duct (Fire Rated)	12	10%	13	FT	0.000	\$	-	\$	-	0.0	\$	-	\$	-	\$	-	\$	-
72	8"x8" Exhaust Air Duct	73	10%	80	FT	0.000	\$	-	\$	-	0.0	\$	-	\$	-	\$	-	\$	-
73	10"x10" Exhaust Air Duct	37	10%	41	FT	0.000	\$	-	\$	-	0.0	\$	-	\$	-	\$	-	\$	-
74	10"x10" Toilet Exhaust Duct	12	10%	13	FT	0.000	\$	-	\$	-	0.0	\$	-	\$	-	\$	-	\$	-
75	10"x6" Compactor Room Exhaust Duct	33	10%	36	FT	0.000	\$	-	\$	-	0.0	\$	-	\$	-	\$	-	\$	-

76	10"x6" Exhaust Air Duct	154	10%	169	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
77	10"x6" Kitchen Exhaust Air Duct (Fire Rated)	97	10%	107	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
78	10"x6" Laundry Exhaust Air Duct	71	10%	78	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
79	10"x8" Compactor Room Exhaust Duct	29	10%	31	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
80	10"x8" Exhaust Air Duct	72	10%	79	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
81	10"x8" FOT Room Exhaust Duct	96	10%	105	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
82	10"x8" FOT Room Exhaust Duct (2-Hr Enclosure)	21	10%	23	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
83	10"x8" Kitchen Exhaust Air Duct (Fire Rated)	24	10%	26	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
84	12"x10" Exhaust Air Duct	128	10%	141	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
85	12"x10" Hydraulic EMR Exhaust	148	10%	162	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
86	12"x10" Toilet Exhaust Duct	101	10%	111	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
87	12"x10" Trash Exhaust Air Duct	62	10%	68	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
88	12"x12" Exhaust Air Duct	268	10%	295	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
89	12"x12" Laundry Exhaust Air Duct	80	10%	89	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
90	12"x6" Exhaust Air Duct	398	10%	438	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
91	12"x6" Kitchen Exhaust Air Duct (Fire Rated)	85	10%	93	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
92	12"x6" Toilet Exhaust Duct	136	10%	149	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
93	12"x6" Toilet Exhaust Duct (Fire Rated)	48	10%	53	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
94	14"x8" Exhaust Air Duct	668	10%	735	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
95	14"x10" Exhaust Air Duct	191	10%	210	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
96	14"x12" Exhaust Air Duct	84	10%	92	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
97	14"x12" Laundry Exhaust Air Duct	28	10%	31	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
98	14"x14" Toilet Exhaust Air Duct (Fire Rated)	61	10%	67	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
99	14"x8" Toilet Exhaust Air Duct	33	10%	36	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
100	16"x10" Compactor Room Exhaust Duct	27	10%	30	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
101	16"x10" Exhaust Air Duct	83	10%	91	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
102	16"x10" Toilet Exhaust Air Duct (Fire Rated)	67	10%	74	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
103	16"x12" Compactor Room Exhaust Duct	34	10%	38	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
104	16"x12" Exhaust Air Duct	190	10%	209	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
105	16"x12" Kitchen Exhaust Air Duct	62	10%	68	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
106	18"x10" Kitchen Exhaust Air Duct (Fire Rated)	61	10%	67	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
107	18"x12" Exhaust Air Duct ( Fire Rated)	35	10%	39	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
108	18"x14" Exhaust Air Duct	10	10%	11	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
109	18"x16" Compactor Room Exhaust Duct	134	10%	147	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
110	18"x16" Exhaust Air Duct	14	10%	15	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
111	18"x8" Exhaust Air Duct	347	10%	382	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
112	18"x8" Kitchen Exhaust Air Duct	61	10%	67	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
113	18"x8" Kitchen Exhaust Air Duct (Fire Rated)	17	10%	18	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
114	18"x8" Toilet Exhaust Air Duct (Fire Rated)	242	10%	266	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
115	20"x24" Exhaust Air Duct	12	10%	13	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
116	22"x22" Exhaust Air Duct	10	10%	11	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
117	24"x18" Exhaust Air Duct	18	10%	20	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
118	24"x18" Exhaust Air Duct ( Fire Rated)	70	10%	77	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
119	24"x20" Exhaust Air Duct	10	10%	11	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
120	24"x24" Exhaust Air Duct	17	10%	19	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -

121	24"x8" Kitchen Exhaust Air Duct	59	10%	65	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
122	26"x16" Exhaust Air Duct	57	10%	63	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
123	26"x14" Exhaust Air Duct	10	10%	12	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
124	28"x14" Exhaust Air Duct	92	10%	101	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
125	28"x28" Kitchen Exhaust Air Duct	42	10%	46	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
126	28"x28" Kitchen Exhaust Air Duct (Fire Rated)	167	10%	184	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
127	30"x8" Exhaust Air Duct	13	10%	14	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
128	32"x16" Exhaust Air Duct	10	10%	11	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
129	34"x18" Exhaust Air Duct	22	10%	24	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
130	36"x18" Smoke Control Exhaust Duct	49	10%	54	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
131	36"x18" Smoke Control Exhaust Duct" (Fire Rated)	88	10%	97	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
132	40"x20" Exhaust Air Duct (Fire Rated)	63	10%	69	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
133	44"x22" Kitchen Exhaust Air Duct	52	10%	57	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
134	44"x22" Kitchen Exhaust Air Duct (Fire Rated)	131	10%	144	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
135	68"x60" Exhaust Air Duct	12	10%	13	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
136	5"x4" Outside Air Duct	67	10%	74	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
137	6"x6" Outside Air Duct	18	10%	19	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
138	8"x6" Outside Air Duct	76	10%	83	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
139	10"x6" Outside Air Duct	5	10%	5	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
140	10"x12" Outside Air Duct	29	10%	32	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
141	12"x10" Outside Air Duct	12	10%	13	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
142	18"x10" Outside Air Duct	49	10%	54	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
143	18"x12" Outside Air Duct	25	10%	28	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
144	20"x10" Outside Air Duct	2	10%	2	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
145	20"x12" Outside Air Duct	35	10%	39	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
146	20"x16" Outside Air Duct	23	10%	25	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
147	20"x20" Outside Air Duct	26	10%	28	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
148	22"x16" Outside Air Duct	6	10%	7	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
149	24"x12" Outside Air Duct	41	10%	45	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
150	24"x14" Outside Air Duct	2	10%	2	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
151	124"x100" Outside Air Duct	32	10%	35	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
152	22"x14" Transfer Air Duct	10	10%	11	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
153	12"x12" Shaft Vent Duct (Fire Rated)	63	10%	69	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
154	Flue - 6" Dia Flue Gas Duct	127	10%	140	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
155	6" Dia Combustion Air Duict	217	10%	239	FT	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
<b>AIR DEVICES</b>													
1	6"x6" CR, Ceiling Register, 50 CFM	2	0%	2	EA	0.500	\$ 207.00	\$ 60.00	1.0	\$ 414	\$ 120	\$ 267	\$ 534
2	6"x6" CR, Ceiling Register, 75 CFM	1	0%	1	EA	0.500	\$ 207.00	\$ 60.00	0.5	\$ 207	\$ 60	\$ 267	\$ 267
3	CD-1, Ceiling Diffuser, 125 CFM, SERVICE: SUPPLY AIR, MODEL: OMNI	2	0%	2	EA	0.800	\$ 263.00	\$ 96.00	1.6	\$ 526	\$ 192	\$ 359	\$ 718
4	CD-2, 12"x6", 100 CFM, SERVICE: SUPPLY AIR, MODEL: OMNI	1	0%	1	EA	0.667	\$ 230.00	\$ 80.00	0.7	\$ 230	\$ 80	\$ 310	\$ 310
5	CD-2, 16"x6", 155 CFM, SERVICE: SUPPLY AIR, MODEL: OMNI	2	0%	2	EA	0.727	\$ 244.00	\$ 87.00	1.5	\$ 488	\$ 174	\$ 331	\$ 662
6	CD-3, 12"x6", 230 CFM, SERVICE: SUPPLY AIR, MODEL: OMNI	6	0%	6	EA	0.667	\$ 230.00	\$ 80.00	4.0	\$ 1,380	\$ 480	\$ 310	\$ 1,860
7	CD-4, Ceiling Diffuser, 100 CFM, SERVICE: SUPPLY AIR, MODEL: OMNI	2	0%	2	EA	0.800	\$ 263.00	\$ 96.00	1.6	\$ 526	\$ 192	\$ 359	\$ 718
8	CD-4, Ceiling Diffuser, 155 CFM, SERVICE: SUPPLY AIR, MODEL: OMNI	2	0%	2	EA	0.800	\$ 263.00	\$ 96.00	1.6	\$ 526	\$ 192	\$ 359	\$ 718

9	CD-5, 8"x8", 275 CFM, SERVICE: SUPPLY AIR, MODEL: OMNI	5	0%	5	EA	0.533	\$ 107.00	\$ 64.00	2.7	\$ 535	\$ 320	\$ 171	\$ 855
10	CD-5, Ceiling Diffuser, 165 CFM, SERVICE: SUPPLY AIR, MODEL: OMNI	2	0%	2	EA	0.800	\$ 263.00	\$ 96.00	1.6	\$ 526	\$ 192	\$ 359	\$ 718
11	CD-7, 8"x8", 450 CFM, SERVICE: SUPPLY AIR, MODEL: OMNI	3	0%	3	EA	0.533	\$ 107.00	\$ 64.00	1.6	\$ 321	\$ 192	\$ 171	\$ 513
12	LD-2, Linear Diffuser, 125 CFM, SERVICE: SUPPLY AIR & RETURN AIR, MAX CFM: 160 / FT, MODEL: FL-20, NOTES: JET THROW	4	0%	4	EA	0.800	\$ 263.00	\$ 96.00	3.2	\$ 1,052	\$ 384	\$ 359	\$ 1,436
13	LD-2, Linear Diffuser, 150 CFM, SERVICE: SUPPLY AIR & RETURN AIR, MAX CFM: 160 / FT, MODEL: FL-20, NOTES: JET THROW	10	0%	10	EA	0.800	\$ 263.00	\$ 96.00	8.0	\$ 2,630	\$ 960	\$ 359	\$ 3,590
14	LD-2, Linear Diffuser, 165 CFM, SERVICE: SUPPLY AIR & RETURN AIR, MAX CFM: 160 / FT, MODEL: FL-20, NOTES: JET THROW	12	0%	12	EA	0.800	\$ 263.00	\$ 96.00	9.6	\$ 3,156	\$ 1,152	\$ 359	\$ 4,308
15	LD-2, Linear Diffuser, 170 CFM, SERVICE: SUPPLY AIR & RETURN AIR, MAX CFM: 160 / FT, MODEL: FL-20, NOTES: JET THROW	2	0%	2	EA	0.800	\$ 263.00	\$ 96.00	1.6	\$ 526	\$ 192	\$ 359	\$ 718
16	LD-2, Linear Diffuser, 200 CFM, SERVICE: SUPPLY AIR & RETURN AIR, MAX CFM: 160 / FT, MODEL: FL-20, NOTES: JET THROW	36	0%	36	EA	0.800	\$ 263.00	\$ 96.00	28.8	\$ 9,468	\$ 3,456	\$ 359	\$ 12,924
17	LD-2, Linear Diffuser, 215 CFM, SERVICE: SUPPLY AIR & RETURN AIR, MAX CFM: 160 / FT, MODEL: FL-20, NOTES: JET THROW	5	0%	5	EA	0.800	\$ 263.00	\$ 96.00	4.0	\$ 1,315	\$ 480	\$ 359	\$ 1,795
18	LD-2, Linear Diffuser, 235 CFM, SERVICE: SUPPLY AIR & RETURN AIR, MAX CFM: 160 / FT, MODEL: FL-20, NOTES: JET THROW	1	0%	1	EA	0.800	\$ 263.00	\$ 96.00	0.8	\$ 263	\$ 96	\$ 359	\$ 359
19	LD-2, Linear Diffuser, 250 CFM, SERVICE: SUPPLY AIR & RETURN AIR, MAX CFM: 160 / FT, MODEL: FL-20, NOTES: JET THROW	6	0%	6	EA	0.800	\$ 263.00	\$ 96.00	4.8	\$ 1,578	\$ 576	\$ 359	\$ 2,154
20	LD-2, Linear Diffuser, 265 CFM, SERVICE: SUPPLY AIR & RETURN AIR, MAX CFM: 160 / FT, MODEL: FL-20, NOTES: JET THROW	5	0%	5	EA	0.800	\$ 263.00	\$ 96.00	4.0	\$ 1,315	\$ 480	\$ 359	\$ 1,795
21	LD-2, Linear Diffuser, 300 CFM, SERVICE: SUPPLY AIR & RETURN AIR, MAX CFM: 160 / FT, MODEL: FL-20, NOTES: JET THROW	11	0%	11	EA	0.800	\$ 263.00	\$ 96.00	8.8	\$ 2,893	\$ 1,056	\$ 359	\$ 3,949
22	LD-2, Linear Diffuser, 325 CFM, SERVICE: SUPPLY AIR & RETURN AIR, MAX CFM: 160 / FT, MODEL: FL-20, NOTES: JET THROW	10	0%	10	EA	0.800	\$ 263.00	\$ 96.00	8.0	\$ 2,630	\$ 960	\$ 359	\$ 3,590
23	LD-2, Linear Diffuser, 330 CFM, SERVICE: SUPPLY AIR & RETURN AIR, MAX CFM: 160 / FT, MODEL: FL-20, NOTES: JET THROW	1	0%	1	EA	0.800	\$ 263.00	\$ 96.00	0.8	\$ 263	\$ 96	\$ 359	\$ 359
24	LD-2, Linear Diffuser, 335 CFM, SERVICE: SUPPLY AIR & RETURN AIR, MAX CFM: 160 / FT, MODEL: FL-20, NOTES: JET THROW	2	0%	2	EA	0.800	\$ 263.00	\$ 96.00	1.6	\$ 526	\$ 192	\$ 359	\$ 718
25	LD-2, Linear Diffuser, 350 CFM, SERVICE: SUPPLY AIR & RETURN AIR, MAX CFM: 160 / FT, MODEL: FL-20, NOTES: JET THROW	3	0%	3	EA	0.800	\$ 263.00	\$ 96.00	2.4	\$ 789	\$ 288	\$ 359	\$ 1,077
26	LD-2, Linear Diffuser, 400 CFM, SERVICE: SUPPLY AIR & RETURN AIR, MAX CFM: 160 / FT, MODEL: FL-20, NOTES: JET THROW	17	0%	17	EA	0.800	\$ 263.00	\$ 96.00	13.6	\$ 4,471	\$ 1,632	\$ 359	\$ 6,103
27	LD-2, Linear Diffuser, 450 CFM, SERVICE: SUPPLY AIR & RETURN AIR, MAX CFM: 160 / FT, MODEL: FL-20, NOTES: JET THROW	6	0%	6	EA	0.800	\$ 263.00	\$ 96.00	4.8	\$ 1,578	\$ 576	\$ 359	\$ 2,154
28	LD-2, Linear Diffuser, 500 CFM, SERVICE: SUPPLY AIR & RETURN AIR, MAX CFM: 160 / FT, MODEL: FL-20, NOTES: JET THROW	1	0%	1	EA	0.800	\$ 263.00	\$ 96.00	0.8	\$ 263	\$ 96	\$ 359	\$ 359
29	LD-2, 325CFM, SERVICE: SUPPLY AIR & RETURN AIR, MAX CFM: 160 / FT, MODEL: FL-20, NOTES: JET THROW	5	0%	5	EA	0.889	\$ 303.00	\$ 106.00	4.4	\$ 1,515	\$ 530	\$ 409	\$ 2,045
30	LD-2, 350CFM, SERVICE: SUPPLY AIR & RETURN AIR, MAX CFM: 160 / FT, MODEL: FL-20, NOTES: JET THROW	15	0%	15	EA	0.889	\$ 303.00	\$ 106.00	13.3	\$ 4,545	\$ 1,590	\$ 409	\$ 6,135
31	LD-2, 200CFM, SERVICE: SUPPLY AIR & RETURN AIR, MAX CFM: 160 / FT, MODEL: FL-20, NOTES: JET THROW	30	0%	30	EA	0.889	\$ 303.00	\$ 106.00	26.7	\$ 9,090	\$ 3,180	\$ 409	\$ 12,270
32	LD-2, 250CFM, SERVICE: SUPPLY AIR & RETURN AIR, MAX CFM: 160 / FT, MODEL: FL-20, NOTES: JET THROW	5	0%	5	EA	0.889	\$ 303.00	\$ 106.00	4.4	\$ 1,515	\$ 530	\$ 409	\$ 2,045
33	LD-2, 380CFM, SERVICE: SUPPLY AIR & RETURN AIR, MAX CFM: 160 / FT, MODEL: FL-20, NOTES: JET THROW	5	0%	5	EA	0.889	\$ 303.00	\$ 106.00	4.4	\$ 1,515	\$ 530	\$ 409	\$ 2,045

34	LD-2, 400CFM, SERVICE: SUPPLY AIR & RETURN AIR, MAX CFM: 160 / FT, MODEL: FL-20, NOTES: JET THROW	10	0%	10	EA	0.889	\$ 303.00	\$ 106.00	8.9	\$ 3,030	\$ 1,060	\$ 409	\$ 4,090
35	LD-2, 500CFM, SERVICE: SUPPLY AIR & RETURN AIR, MAX CFM: 160 / FT, MODEL: FL-20, NOTES: JET THROW	5	0%	5	EA	0.889	\$ 303.00	\$ 106.00	4.4	\$ 1,515	\$ 530	\$ 409	\$ 2,045
36	LD-4, Linear Diffuser, 130 CFM, SERVICE: SUPPLY AIR & RETURN AIR, MODEL: FL-20, NOTES: HIGH THROW	4	0%	4	EA	0.800	\$ 263.00	\$ 96.00	3.2	\$ 1,052	\$ 384	\$ 359	\$ 1,436
37	LD-4, Linear Diffuser, 165 CFM, SERVICE: SUPPLY AIR & RETURN AIR, MODEL: FL-20, NOTES: HIGH THROW	2	0%	2	EA	0.800	\$ 263.00	\$ 96.00	1.6	\$ 526	\$ 192	\$ 359	\$ 718
38	LD-4, Linear Diffuser, 170 CFM, SERVICE: SUPPLY AIR & RETURN AIR, MODEL: FL-20, NOTES: HIGH THROW	2	0%	2	EA	0.800	\$ 263.00	\$ 96.00	1.6	\$ 526	\$ 192	\$ 359	\$ 718
39	LD-4, Linear Diffuser, 200 CFM, SERVICE: SUPPLY AIR & RETURN AIR, MODEL: FL-20, NOTES: HIGH THROW	2	0%	2	EA	0.800	\$ 263.00	\$ 96.00	1.6	\$ 526	\$ 192	\$ 359	\$ 718
40	LD-4, Linear Diffuser, 250 CFM, SERVICE: SUPPLY AIR & RETURN AIR, MODEL: FL-20, NOTES: HIGH THROW	4	0%	4	EA	0.800	\$ 263.00	\$ 96.00	3.2	\$ 1,052	\$ 384	\$ 359	\$ 1,436
41	LD-R, Linear Diffuser, 400 CFM, SERVICE: SUPPLY AIR & RETURN AIR, MODEL: FL-20, NOTES: HIGH THROW	5	0%	5	EA	0.800	\$ 263.00	\$ 96.00	4.0	\$ 1,315	\$ 480	\$ 359	\$ 1,795
42	LR-2, SERVICE: SUPPLY AIR & RETURN AIR, MAX CFM: 160 / FT, MODEL: FL-20, NOTES: JET THROW	114	0%	114	EA	0.889	\$ 303.00	\$ 106.00	101.3	\$ 34,542	\$ 12,084	\$ 409	\$ 46,626
43	LR-2, 135 CFM, SERVICE: SUPPLY AIR & RETURN AIR, MAX CFM: 160 / FT, MODEL: FL-20, NOTES: JET THROW	1	0%	1	EA	0.889	\$ 303.00	\$ 106.00	0.9	\$ 303	\$ 106	\$ 409	\$ 409
44	LR-2, 250 CFM, SERVICE: SUPPLY AIR & RETURN AIR, MAX CFM: 160 / FT, MODEL: FL-20, NOTES: JET THROW	3	0%	3	EA	0.889	\$ 303.00	\$ 106.00	2.7	\$ 909	\$ 318	\$ 409	\$ 1,227
45	LR-4, SERVICE: SUPPLY AIR & RETURN AIR, MODEL: FL-20, NOTES: HIGH THROW	5	0%	5	EA	0.889	\$ 303.00	\$ 106.00	4.4	\$ 1,515	\$ 530	\$ 409	\$ 2,045
46	TR-1, SERVICE: RETURN AIR, MAX CFM: 250, MODEL: 350R	1	0%	1	EA	0.889	\$ 303.00	\$ 106.00	0.9	\$ 303	\$ 106	\$ 409	\$ 409
47	TR-2, 700 CFM, SERVICE: RETURN AIR, MAX CFM: 2355, MODEL: 350R	2	0%	2	EA	0.889	\$ 303.00	\$ 106.00	1.8	\$ 606	\$ 212	\$ 409	\$ 818
48	12"x6" SG 160 CFM, Supply Diffuser	11	0%	11	EA	0.667	\$ 230.00	\$ 80.00	7.3	\$ 2,530	\$ 880	\$ 310	\$ 3,410
49	0.6 SF NFA Vent Louver	1	0%	1	EA	0.533	\$ 102.00	\$ 64.00	0.5	\$ 102	\$ 64	\$ 166	\$ 166
50	7 SF NFA Vent Louver	1	0%	1	EA	0.533	\$ 102.00	\$ 64.00	0.5	\$ 102	\$ 64	\$ 166	\$ 166
51	Vent Louver, 2.6 SQ FT W/ Plenum in 2-HR Fire Rated Enclosure, All Unused Portion to be insulated & Blanked Off	1	0%	1	EA	0.697	\$ 150.00	\$ 80.00	0.7	\$ 150	\$ 80	\$ 230	\$ 230
52	0.5 SQ.FT NFA Intake Louver (100 CFM) W/ Full Height Insulated Blankoffs	1	0%	1	EA	0.533	\$ 102.00	\$ 64.00	0.5	\$ 102	\$ 64	\$ 166	\$ 166
53	0.5 SQ.FT NFA Intake Louver (425 CFM) W/ Full Height Insulated Blankoffs	1	0%	1	EA	0.533	\$ 102.00	\$ 64.00	0.5	\$ 102	\$ 64	\$ 166	\$ 166
54	0.5 SQ.FT NFA Outside Air Intake Louver	1	0%	1	EA	0.697	\$ 150.00	\$ 80.00	0.7	\$ 150	\$ 80	\$ 230	\$ 230
55	1 SQ.FT NFA Intake Louver (1005 CFM) W/ Full Height Insulated Blankoffs	1	0%	1	EA	0.697	\$ 150.00	\$ 80.00	0.7	\$ 150	\$ 80	\$ 230	\$ 230
56	12" Dia Engine Exhaust Louver	1	0%	1	EA	0.697	\$ 150.00	\$ 80.00	0.7	\$ 150	\$ 80	\$ 230	\$ 230
57	3 SQ.FT NFA Intake Louver (1530 CFM) W/ Full Height Insulated Blankoffs	1	0%	1	EA	0.889	\$ 146.00	\$ 106.00	0.9	\$ 146	\$ 106	\$ 252	\$ 252
58	7 SF NFA Vent Louver	1	0%	1	EA	0.533	\$ 102.00	\$ 64.00	0.5	\$ 102	\$ 64	\$ 166	\$ 166
59	Intake Louver, 1 SQ FT W/ Full Height Insulated Blankoffs	1	0%	1	EA	0.571	\$ 220.00	\$ 69.00	0.6	\$ 220	\$ 69	\$ 289	\$ 289
60	Intake Louver, 12 SQ FT W/ Full Height Insulated Blankoffs	1	0%	1	EA	0.571	\$ 220.00	\$ 69.00	0.6	\$ 220	\$ 69	\$ 289	\$ 289
61	Intake Louver, 12 SQ FT W/ Plenum in 2-HR Fire Rated Enclosure, All Unused Portion to be insulated & Blanked Off	1	0%	1	EA	0.571	\$ 220.00	\$ 69.00	0.6	\$ 220	\$ 69	\$ 289	\$ 289
62	Intake Louver, 20 SQ FT W/ Plenum in 2-HR Fire Rated Enclosure, All Unused Portion to be insulated & Blanked Off	1	0%	1	EA	0.571	\$ 220.00	\$ 69.00	0.6	\$ 220	\$ 69	\$ 289	\$ 289
63	Intake Louver, 4 SQ FT W/ Full Height Insulated Blankoffs (By Tenant)	2	0%	2	EA	0.571	\$ 220.00	\$ 69.00	1.1	\$ 440	\$ 138	\$ 289	\$ 578
64	Intake Louver, 6 SQ FT W/ Plenum in 2-HR Fire Rated Enclosure, All Unused Portion to be insulated & Blanked Off	1	0%	1	EA	0.571	\$ 220.00	\$ 69.00	0.6	\$ 220	\$ 69	\$ 289	\$ 289

65	Intake Louver, 8 SQ FT W/ Plenum in 2-HR Fire Rated Enclosure, All Unused Portion to be insulated & Blanked Off	1	0%	1	EA	0.571	\$ 220.00	\$ 69.00	0.6	\$ 220	\$ 69	\$ 289	\$ 289
66	Intake Louver, 9 SQ FT W/ Full Height Insulated Blankoffs (By Tenant)	1	0%	1	EA	0.571	\$ 220.00	\$ 69.00	0.6	\$ 220	\$ 69	\$ 289	\$ 289
67	0.125 SQ FT Exhaust Louver	1	0%	1	EA	0.571	\$ 220.00	\$ 69.00	0.6	\$ 220	\$ 69	\$ 289	\$ 289
68	Exhaust Air Louver 51.0 SQ FT	1	0%	1	EA	0.697	\$ 150.00	\$ 80.00	0.7	\$ 150	\$ 80	\$ 230	\$ 230
69	Exhaust Louver 28 SQ.FT	2	0%	2	EA	0.727	\$ 244.00	\$ 87.00	1.5	\$ 488	\$ 174	\$ 331	\$ 662
70	Exhaust Louver, 1 SQ FT W/ Full Height Insulated Blankoffs	1	0%	1	EA	0.727	\$ 244.00	\$ 87.00	0.7	\$ 244	\$ 87	\$ 331	\$ 331
71	Exhaust Louver, 1 SQ FT W/ Full Height Insulated Blankoffs (By Tenant)	1	0%	1	EA	0.727	\$ 244.00	\$ 87.00	0.7	\$ 244	\$ 87	\$ 331	\$ 331
72	Exhaust Louver, 10 SQ FT W/ Plenum in 2-HR Fire Rated Enclosure, All Unused Portion to be insulated & Blanked Off	1	0%	1	EA	0.727	\$ 244.00	\$ 87.00	0.7	\$ 244	\$ 87	\$ 331	\$ 331
73	Exhaust Louver, 11 SQ FT W/ Full Height Insulated Blankoffs	1	0%	1	EA	0.727	\$ 244.00	\$ 87.00	0.7	\$ 244	\$ 87	\$ 331	\$ 331
74	Exhaust Louver, 2 SQ FT W/ Full Height Insulated Blankoffs (By Tenant)	2	0%	2	EA	0.727	\$ 244.00	\$ 87.00	1.5	\$ 488	\$ 174	\$ 331	\$ 662
75	Exhaust Louver, 36 SQ FT W/ Plenum in 2-HR Fire Rated Enclosure, All Unused Portion to be insulated & Blanked Off	1	0%	1	EA	0.727	\$ 244.00	\$ 87.00	0.7	\$ 244	\$ 87	\$ 331	\$ 331
76	Exhaust Louver, 4 SQ FT W/ Full Height Insulated Blankoffs (By Tenant)	1	0%	1	EA	0.727	\$ 244.00	\$ 87.00	0.7	\$ 244	\$ 87	\$ 331	\$ 331
77	Exhaust Louver 3.0 SQ.FT	1	0%	1	EA	0.727	\$ 244.00	\$ 87.00	0.7	\$ 244	\$ 87	\$ 331	\$ 331
78	Exhaust Louver For Emergency Generator 54 SQ.FT	1	0%	1	EA	0.727	\$ 244.00	\$ 87.00	0.7	\$ 244	\$ 87	\$ 331	\$ 331
79	Exhaust Louver, 5 SQ FT W/ Full Height Insulated Blankoffs (By Tenant)	1	0%	1	EA	0.727	\$ 244.00	\$ 87.00	0.7	\$ 244	\$ 87	\$ 331	\$ 331
80	Exhaust Louver, 8 SQ FT W/ Plenum in 2-HR Fire Rated Enclosure, All Unused Portion to be insulated & Blanked Off	1	0%	1	EA	0.727	\$ 244.00	\$ 87.00	0.7	\$ 244	\$ 87	\$ 331	\$ 331
81	Toilet Exhaust Louver, 1 SQ FT W/ Full Height Insulated Blankoffs (By Tenant)	1	0%	1	EA	0.727	\$ 244.00	\$ 87.00	0.7	\$ 244	\$ 87	\$ 331	\$ 331
82	Outside Air Intake Louver 42 SQ.FT	2	0%	2	EA	0.571	\$ 220.00	\$ 69.00	1.1	\$ 440	\$ 138	\$ 289	\$ 578
83	Outside Air Louver 160 SQ FT	1	0%	1	EA	0.571	\$ 220.00	\$ 69.00	0.6	\$ 220	\$ 69	\$ 289	\$ 289
84	OA Intake Louver 6 SQ.FT	1	0%	1	EA	0.571	\$ 220.00	\$ 69.00	0.6	\$ 220	\$ 69	\$ 289	\$ 289
85	OA Intake Louver For Emergency Generator 81 SQ.FT	1	0%	1	EA	0.571	\$ 220.00	\$ 69.00	0.6	\$ 220	\$ 69	\$ 289	\$ 289
86	LD-2 W/ 5FT L Active Section, 300 CFM	18	0%	18	EA	0.500	\$ 207.00	\$ 60.00	9.0	\$ 3,726	\$ 1,080	\$ 267	\$ 4,806
87	LR-2, 4FT, 200 CFM	12	0%	12	EA	0.950	\$ 350.00	\$ 106.00	11.4	\$ 4,200	\$ 1,272	\$ 456	\$ 5,472
88	LR-2, 5FT, 250 CFM	13	0%	13	EA	0.950	\$ 350.00	\$ 106.00	12.4	\$ 4,550	\$ 1,378	\$ 456	\$ 5,928
89	LDP-1 (FL-10) W/ 5FT L Active Section, 250 CFM	4	0%	4	EA	0.950	\$ 350.00	\$ 106.00	3.8	\$ 1,400	\$ 424	\$ 456	\$ 1,824
90	LDP-2 (FL-15) W/ 4FT L Active Section, 400 CFM	10	0%	10	EA	0.950	\$ 350.00	\$ 106.00	9.5	\$ 3,500	\$ 1,060	\$ 456	\$ 4,560
91	LDPE-1 (FL-15) W/ 5FT L Active Section, 430 CFM	10	0%	10	EA	0.950	\$ 350.00	\$ 106.00	9.5	\$ 3,500	\$ 1,060	\$ 456	\$ 4,560
92	30"x8" Exhaust Grille, 1380 CFM	1	0%	1	EA	0.950	\$ 350.00	\$ 106.00	1.0	\$ 350	\$ 106	\$ 456	\$ 456
93	60"x24" Exhaust Grille	4	0%	4	EA	0.950	\$ 350.00	\$ 106.00	3.8	\$ 1,400	\$ 424	\$ 456	\$ 1,824
94	EG, Exhaust Grille, 50 CFM, SERVICE: EXHAUST AIR, MODEL: 350RL	2	0%	2	EA	0.500	\$ 207.00	\$ 60.00	1.0	\$ 414	\$ 120	\$ 267	\$ 534
95	EG, Exhaust Grille, 75 CFM, SERVICE: EXHAUST AIR, MODEL: 350RL	2	0%	2	EA	0.500	\$ 207.00	\$ 60.00	1.0	\$ 414	\$ 120	\$ 267	\$ 534
96	EG-1, 6"x6", 75 CFM, SERVICE: EXHAUST AIR, MODEL: 350RL	1	0%	1	EA	0.500	\$ 207.00	\$ 60.00	0.5	\$ 207	\$ 60	\$ 267	\$ 267
97	EG-1, Exhaust Grille 100 CFM, SERVICE: EXHAUST AIR, MODEL: 350RL	4	0%	4	EA	0.727	\$ 244.00	\$ 87.00	2.9	\$ 976	\$ 348	\$ 331	\$ 1,324
98	EG-2, Exhaust Grille 130 CFM, SERVICE: EXHAUST AIR, MAX CFM: 150, MODEL: 350RL	1	0%	1	EA	0.727	\$ 244.00	\$ 87.00	0.7	\$ 244	\$ 87	\$ 331	\$ 331
99	EG-3, 10"x8", 225 CFM, SERVICE: EXHAUST AIR, MAX CFM: 360, MODEL: 350RL	1	0%	1	EA	0.727	\$ 244.00	\$ 87.00	0.7	\$ 244	\$ 87	\$ 331	\$ 331
100	EG-3, 12"x6", 230 CFM, SERVICE: EXHAUST AIR, MAX CFM: 360, MODEL: 350RL	1	0%	1	EA	0.667	\$ 230.00	\$ 80.00	0.7	\$ 230	\$ 80	\$ 310	\$ 310
101	EG-3, 12"x6", 275 CFM, SERVICE: EXHAUST AIR, MAX CFM: 360, MODEL: 350RL	2	0%	2	EA	0.667	\$ 230.00	\$ 80.00	1.3	\$ 460	\$ 160	\$ 310	\$ 620
102	EG-3, 16"x6", 345 CFM, SERVICE: EXHAUST AIR, MAX CFM: 360, MODEL: 350RL	2	0%	2	EA	0.727	\$ 244.00	\$ 87.00	1.5	\$ 488	\$ 174	\$ 331	\$ 662
103	EG-3, 200 CFM, SERVICE: EXHAUST AIR, MAX CFM: 360, MODEL: 350RL	1	0%	1	EA	0.727	\$ 244.00	\$ 87.00	0.7	\$ 244	\$ 87	\$ 331	\$ 331
104	EG-4, 12"x10", 460 CFM, SERVICE: EXHAUST AIR, MAX CFM: 675, MODEL: 350RL	2	0%	2	EA	0.667	\$ 230.00	\$ 80.00	1.3	\$ 460	\$ 160	\$ 310	\$ 620
105	EG-4, 450 CFM, SERVICE: EXHAUST AIR, MAX CFM: 675, MODEL: 350RL	1	0%	1	EA	0.727	\$ 244.00	\$ 87.00	0.7	\$ 244	\$ 87	\$ 331	\$ 331

106	12"x12" Return Grille, SERVICE: EXHAUST/RETURN AIR, MAX CFM: 350, MODEL: 23RL, NOTES: NON DUCTED RETURN GRILLE	3	0%	3	EA	0.667	\$ 230.00	\$ 80.00	2.0	\$ 690	\$ 240	\$ 310	\$ 930
107	18"x10" Return Grille, SERVICE: EXHAUST/RETURN AIR, MAX CFM: 350, MODEL: 23RL, NOTES: NON DUCTED RETURN GRILLE	1	0%	1	EA	0.889	\$ 303.00	\$ 106.00	0.9	\$ 303	\$ 106	\$ 409	\$ 409
108	24"x10" Return Grille, SERVICE: EXHAUST/RETURN AIR, MAX CFM: 350, MODEL: 23RL, NOTES: NON DUCTED RETURN GRILLE	1	0%	1	EA	0.889	\$ 303.00	\$ 106.00	0.9	\$ 303	\$ 106	\$ 409	\$ 409
109	24"x24" Return Grille, SERVICE: EXHAUST/RETURN AIR, MAX CFM: 350, MODEL: 23RL, NOTES: NON DUCTED RETURN GRILLE	3	0%	3	EA	0.889	\$ 303.00	\$ 106.00	2.7	\$ 909	\$ 318	\$ 409	\$ 1,227
110	RG, SERVICE: EXHAUST/RETURN AIR, MAX CFM: 350, MODEL: 23RL, NOTES: NON DUCTED RETURN GRILLE	10	0%	10	EA	0.889	\$ 303.00	\$ 106.00	8.9	\$ 3,030	\$ 1,060	\$ 409	\$ 4,090
111	RG, 100 CFM, SERVICE: EXHAUST/RETURN AIR, MAX CFM: 350, MODEL: 23RL, NOTES: NON DUCTED RETURN GRILLE	1	0%	1	EA	0.667	\$ 230.00	\$ 80.00	0.7	\$ 230	\$ 80	\$ 310	\$ 310
112	RG, 50 CFM, SERVICE: EXHAUST/RETURN AIR, MAX CFM: 350, MODEL: 23RL, NOTES: NON DUCTED RETURN GRILLE	6	0%	6	EA	0.727	\$ 244.00	\$ 87.00	4.4	\$ 1,464	\$ 522	\$ 331	\$ 1,986
113	RG-2, SERVICE: EXHAUST/RETURN AIR, MAX CFM: 800, MODEL: 23RL, NOTES: NON DUCTED RETURN GRILLE	61	0%	61	EA	0.727	\$ 244.00	\$ 87.00	44.3	\$ 14,884	\$ 5,307	\$ 331	\$ 20,191
114	RG-C, SERVICE: RETURN AIR, MAX CFM: 1370, MODEL: 350RL	16	0%	16	EA	0.667	\$ 230.00	\$ 80.00	10.7	\$ 3,680	\$ 1,280	\$ 310	\$ 4,960
115	12"x6" Supply Grille, SERVICE: SUPPLY AIR, MAX CFM: 150, MODEL: 301RL	1	0%	1	EA	0.667	\$ 230.00	\$ 80.00	0.7	\$ 230	\$ 80	\$ 310	\$ 310
116	12"x8" Supply Grille, SERVICE: SUPPLY AIR, MAX CFM: 150, MODEL: 301RL	1	0%	1	EA	0.667	\$ 230.00	\$ 80.00	0.7	\$ 230	\$ 80	\$ 310	\$ 310
117	26"x24" Supply Grille	3	0%	3	EA	0.889	\$ 303.00	\$ 106.00	2.7	\$ 909	\$ 318	\$ 409	\$ 1,227
118	30"x8" Supply Grille	1	0%	1	EA	0.889	\$ 303.00	\$ 106.00	0.9	\$ 303	\$ 106	\$ 409	\$ 409
119	30"x14" Supply Grille 1300 CFM	1	0%	1	EA	0.889	\$ 303.00	\$ 106.00	0.9	\$ 303	\$ 106	\$ 409	\$ 409
120	SG-1, 10"x10", 50 CFM, SERVICE: SUPPLY AIR, MAX CFM: 150, MODEL: 301RL	2	0%	2	EA	0.571	\$ 220.00	\$ 69.00	1.1	\$ 440	\$ 138	\$ 289	\$ 578
121	SG-1, 6"x6", 50 CFM, SERVICE: SUPPLY AIR, MAX CFM: 150, MODEL: 301RL	1	0%	1	EA	0.500	\$ 207.00	\$ 60.00	0.5	\$ 207	\$ 60	\$ 267	\$ 267
122	SG-1, 6"x6", 75 CFM, SERVICE: SUPPLY AIR, MAX CFM: 150, MODEL: 301RL	1	0%	1	EA	0.500	\$ 207.00	\$ 60.00	0.5	\$ 207	\$ 60	\$ 267	\$ 267
123	SG-1, 6"x6", 95 CFM, SERVICE: SUPPLY AIR, MAX CFM: 150, MODEL: 301RL	1	0%	1	EA	0.500	\$ 207.00	\$ 60.00	0.5	\$ 207	\$ 60	\$ 267	\$ 267
124	SG-1, 8"x4", 100 CFM, SERVICE: SUPPLY AIR, MAX CFM: 150, MODEL: 301RL	1	0%	1	EA	0.571	\$ 230.00	\$ 69.00	0.6	\$ 230	\$ 69	\$ 299	\$ 299
125	SG-1, 8"x6", 125 CFM, SERVICE: SUPPLY AIR, MAX CFM: 150, MODEL: 301RL	2	0%	2	EA	0.571	\$ 230.00	\$ 69.00	1.1	\$ 460	\$ 138	\$ 299	\$ 598
126	SG-1, Supply Grille 100 CFM, SERVICE: SUPPLY AIR, MAX CFM: 150, MODEL: 301RL	9	0%	9	EA	0.571	\$ 230.00	\$ 69.00	5.1	\$ 2,070	\$ 621	\$ 299	\$ 2,691
127	SG-1, Supply Grille 130 CFM, SERVICE: SUPPLY AIR, MAX CFM: 150, MODEL: 301RL	1	0%	1	EA	0.571	\$ 230.00	\$ 69.00	0.6	\$ 230	\$ 69	\$ 299	\$ 299
128	SG-1, Supply Grille 50 CFM, SERVICE: SUPPLY AIR, MAX CFM: 150, MODEL: 301RL	2	0%	2	EA	0.571	\$ 230.00	\$ 69.00	1.1	\$ 460	\$ 138	\$ 299	\$ 598
129	SG-1, Supply Grille 75 CFM, SERVICE: SUPPLY AIR, MAX CFM: 150, MODEL: 301RL	3	0%	3	EA	0.571	\$ 230.00	\$ 69.00	1.7	\$ 690	\$ 207	\$ 299	\$ 897
130	SG-2, 10"x8", 250 CFM, SERVICE: SUPPLY AIR, MAX CFM: 300, MODEL: 301RL	1	0%	1	EA	0.571	\$ 230.00	\$ 69.00	0.6	\$ 230	\$ 69	\$ 299	\$ 299
131	SG-2, Supply Grille 100 CFM, SERVICE: SUPPLY AIR, MAX CFM: 300, MODEL: 301RL	1	0%	1	EA	0.571	\$ 230.00	\$ 69.00	0.6	\$ 230	\$ 69	\$ 299	\$ 299
132	SG-2, Supply Grille 200 CFM, SERVICE: SUPPLY AIR, MAX CFM: 300, MODEL: 301RL	2	0%	2	EA	0.571	\$ 230.00	\$ 69.00	1.1	\$ 460	\$ 138	\$ 299	\$ 598
133	SG-2, Supply Grille 225 CFM, SERVICE: SUPPLY AIR, MAX CFM: 300, MODEL: 301RL	2	0%	2	EA	0.571	\$ 230.00	\$ 69.00	1.1	\$ 460	\$ 138	\$ 299	\$ 598
134	SG-2, Supply Grille 230 CFM, SERVICE: SUPPLY AIR, MAX CFM: 300, MODEL: 301RL	6	0%	6	EA	0.571	\$ 230.00	\$ 69.00	3.4	\$ 1,380	\$ 414	\$ 299	\$ 1,794
135	SG-3, 12"x8", 350 CFM, SERVICE: SUPPLY AIR, MAX CFM: 450, MODEL: 301RL	2	0%	2	EA	0.667	\$ 230.00	\$ 80.00	1.3	\$ 460	\$ 160	\$ 310	\$ 620
136	SG-3, Supply Grille 350 CFM, SERVICE: SUPPLY AIR, MAX CFM: 450, MODEL: 301RL	1	0%	1	EA	0.889	\$ 303.00	\$ 106.00	0.9	\$ 303	\$ 106	\$ 409	\$ 409
137	SG-4, 12"x10", 510 CFM, SERVICE: SUPPLY AIR, MAX CFM: 810, MODEL: 301RL	2	0%	2	EA	0.667	\$ 230.00	\$ 80.00	1.3	\$ 460	\$ 160	\$ 310	\$ 620
138	SD-3, Supply Diffuser, 510 CFM	4	0%	4	EA	0.667	\$ 230.00	\$ 80.00	2.7	\$ 920	\$ 320	\$ 310	\$ 1,240
<b>FANS - BASIS OF DESIGN: GREENHECK</b>													
1	GXF-1-1, MFR: GREENHECK, MODEL NO: CSP-A390-VG, CFM: 175, FAN RPM: 1521, FAN TYPE: INLINE, DRIVE: DIRECT, MOTOR HP: 0.1, VOLT/PH/HZ: 115/1/60	1	0%	1	EA	1.000	\$ 116.00	\$ 110.00	1.0	\$ 116	\$ 110	\$ 226	\$ 226



2	EF-1-2, MFR: GREENHECK, MODEL NO: AX-36-160-0609-A5, CFM: 705, FAN RPM: 1770, FAN TYPE: AXIAL, DRIVE: DIRECT, MOTOR HP: 0.5, VOLT/PH/HZ: 208/3/60	1	0%	1	EA	3.000	\$ 485.00	\$ 325.00	3.0	\$ 485	\$ 325	\$ 810	\$ 810
3	SF-1-2, MFR: GREENHECK, MODEL NO: BSQ-180HP, CFM: 2705, FAN RPM: 1471, FAN TYPE: INLINE, DRIVE: BELT, MOTOR HP: 2, VOLT/PH/HZ: 208/3/60, REMARKS: MERV 8 FILTER	1	0%	1	EA	6.000	\$ 912.00	\$ 566.00	6.0	\$ 912	\$ 566	\$ 1,478	\$ 1,478
4	SF-1-3, MFR: GREENHECK, MODEL NO: SQ-160HP-VG, CFM: 2000, FAN RPM: 1361, FAN TYPE: INLINE, DRIVE: DIRECT, MOTOR HP: 1, VOLT/PH/HZ: 208/3/60, REMARKS: MERV 8 FILTER	1	0%	1	EA	5.000	\$ 666.00	\$ 502.00	5.0	\$ 666	\$ 502	\$ 1,168	\$ 1,168
5	SPF-1-1 & 2, MFR: GREENHECK, MODEL NO: BSQ-180, CFM: 3000, FAN RPM: 1011, FAN TYPE: INLINE, DRIVE: BELT, MOTOR HP: 1, VOLT/PH/HZ: 208/3/60	2	0%	2	EA	7.000	\$ 995.00	\$ 796.00	14.0	\$ 1,990	\$ 1,592	\$ 1,791	\$ 3,582
6	SPF-1-3&4, MFR: GREENHECK, MODEL NO: BSQ-180, CFM: 3000, FAN RPM: 1011, FAN TYPE: INLINE, DRIVE: BELT, MOTOR HP: 1, VOLT/PH/HZ: 208/3/60	2	0%	2	EA	7.000	\$ 995.00	\$ 796.00	14.0	\$ 1,990	\$ 1,592	\$ 1,791	\$ 3,582
7	EF-2-1, MFR: GREENHECK, MODEL NO: CSP-A700-VG, CFM: 450, FAN RPM: 1523, FAN TYPE: INLINE, DRIVE: DIRECT, MOTOR HP: 0.3, VOLT/PH/HZ: 115/1/60	1	0%	1	EA	2.000	\$ 402.00	\$ 212.00	2.0	\$ 402	\$ 212	\$ 614	\$ 614
8	EF-2-2, MFR: GREENHECK, MODEL NO: SQ-140-VG, CFM: 1905, FAN RPM: 1346, FAN TYPE: INLINE, DRIVE: DIRECT, MOTOR HP: 0.8, VOLT/PH/HZ: 115/1/60, REMARKS: NEMA-1 DISCONNECT, INSULATED HOUSING, MOUNTING BRACKETS	1	0%	1	EA	7.000	\$ 995.00	\$ 796.00	7.0	\$ 995	\$ 796	\$ 1,791	\$ 1,791
9	SMXF-2-1, MFR: GREENHECK, MODEL NO: AX-63-160-0433-A50, CFM: 10054, FAN RPM: 1770, FAN TYPE: AXIAL, DRIVE: DIRECT, MOTOR HP: 5, VOLT/PH/HZ: 208/3/60	1	0%	1	EA	10.000	\$ 1,653.00	\$1,020.00	10.0	\$ 1,653	\$ 1,020	\$ 2,673	\$ 2,673
10	SMF-2-1, MFR: GREENHECK, MODEL NO: AX-63-160-0633-A50, CFM: 10021, FAN RPM: 1770, FAN TYPE: AXIAL, DRIVE: DIRECT, MOTOR HP: 5, VOLT/PH/HZ: 208/3/60	1	0%	1	EA	10.000	\$ 1,653.00	\$1,020.00	10.0	\$ 1,653	\$ 1,020	\$ 2,673	\$ 2,673
11	LXF-2-1, MFR: ENERVEX, MODEL NO: BEF450x, CFM: 1200, FAN RPM: VAR, FAN TYPE: CENTRIFUGAL IMPELLER, MOTOR HP: 2.3, VOLT/PH/HZ: 208/3/60	1	0%	1	EA	6.000	\$ 912.00	\$ 566.00	6.0	\$ 912	\$ 566	\$ 1,478	\$ 1,478
12	LMF-C-1, MFR: ENERVEX, MODEL NO: BEF450x, CFM: 1200, FAN RPM: VAR, MOTOR HP: 2.3, VOLT/PH/HZ: 208/3/60	1	0%	1	EA	6.000	\$ 912.00	\$ 566.00	6.0	\$ 912	\$ 566	\$ 1,478	\$ 1,478
13	TXF-2-1, MFR: GREENHECK, MODEL NO: CSP-A700-VG, CFM: 325, FAN RPM: 1532, FAN TYPE: INLINE, DRIVE: DIRECT, MOTOR HP: 0.33, VOLT/PH/HZ: 115/1/60	1	0%	1	EA	2.000	\$ 402.00	\$ 212.00	2.0	\$ 402	\$ 212	\$ 614	\$ 614
14	TXF-2-2, MFR: GREENHECK, MODEL NO: CSP-A290, CFM: 100, FAN RPM: 808, FAN TYPE: INLINE, DRIVE: DIRECT, MOTOR HP: 108 (WATTS), VOLT/PH/HZ: 220/1/60	1	0%	1	EA	1.000	\$ 116.00	\$ 110.00	1.0	\$ 116	\$ 110	\$ 226	\$ 226
15	EF-3-1, MFR: GREENHECK, MODEL NO: SQ-120-VG, CFM: 300, FAN RPM: 1355, FAN TYPE: INLINE, DRIVE: DIRECT, MOTOR HP: 0.5, VOLT/PH/HZ: 208/1/60, REMARKS: NEMA-1 DISCONNECT, INSULATED HOUSING, MOUNTING BRACKETS, PEFORMANCE BAFFLE	1	0%	1	EA	2.000	\$ 402.00	\$ 212.00	2.0	\$ 402	\$ 212	\$ 614	\$ 614
16	EF-4-1, MFR: GREENHECK, MODEL NO: SQ-140-VG, CFM: 1700, FAN RPM: 1408, FAN TYPE: INLINE, DRIVE: DIRECT, MOTOR HP: 1, VOLT/PH/HZ: 208/3/60, REMARKS: NEMA-1 DISCONNECT, INSULATED HOUSING, MOUNTING BRACKETS	1	0%	1	EA	6.000	\$ 912.00	\$ 566.00	6.0	\$ 912	\$ 566	\$ 1,478	\$ 1,478
17	EF-4-3, MFR: GREENHECK, MODEL NO: CSP-A290, CFM: 75, FAN RPM: 808, FAN TYPE: INLINE, DRIVE: DIRECT, MOTOR HP: 108 (WATTS), VOLT/PH/HZ: 220/60/1	1	0%	1	EA	1.000	\$ 116.00	\$ 110.00	1.0	\$ 116	\$ 110	\$ 226	\$ 226
18	TXF-5-1, MFR: GREENHECK, MODEL NO: SQ-98-VG, CFM: 425, FAN RPM: 1675, FAN TYPE: INLINE, DRIVE: DIRECT, MOTOR HP: 0.25, VOLT/PH/HZ: 208/1/60, REMARKS: NEMA-1 DISCONNECT, INSULATED HOUSING, MOUNTING BRACKETS, PEFORMANCE BAFFLE	1	0%	1	EA	2.000	\$ 402.00	\$ 212.00	2.0	\$ 402	\$ 212	\$ 614	\$ 614
19	EF-5-1, MFR: GREENHECK, MODEL NO: CSP-A390-VG, CFM: 100, FAN RPM: 826, FAN TYPE: INLINE, DRIVE: DIRECT, MOTOR HP: 34 (WATTS), VOLT/PH/HZ: 115/1/60	1	0%	1	EA	1.000	\$ 116.00	\$ 110.00	1.0	\$ 116	\$ 110	\$ 226	\$ 226
20	GXF-5-1, MFR: GREENHECK, MODEL NO: CSP-A1300, CFM: 1005, FAN RPM: 1242, FAN TYPE: INLINE, DRIVE: DIRECT, MOTOR HP: 680(WATTS), VOLT/PH/HZ: 115/1/60	1	0%	1	EA	7.000	\$ 995.00	\$ 796.00	7.0	\$ 995	\$ 796	\$ 1,791	\$ 1,791

21	KXF-27-1, MFR: GREENHECK, MODEL NO: USF-16, CFM: 3160, FAN RPM: 1679, FAN TYPE: UTILITY, DRIVE: DIRECT, MOTOR HP: 3, VOLT/PH/HZ: 208/3/60	1	0%	1	EA	7.000	\$ 995.00	\$ 796.00	7.0	\$ 995	\$ 796	\$ 1,791	\$ 1,791
22	KXF-27-2, MFR: GREENHECK, MODEL NO: USF-18, CFM: 3400, FAN RPM: 1333, FAN TYPE: UTILITY, DRIVE: DIRECT, MOTOR HP: 3, VOLT/PH/HZ: 208/3/60	1	0%	1	EA	7.000	\$ 995.00	\$ 796.00	7.0	\$ 995	\$ 796	\$ 1,791	\$ 1,791
23	PFSXF-28-1, MFR: GREENHECK, MODEL NO: AX-47-190-0419-M50, CFM: 7000, FAN RPM: 3500, FAN TYPE: AXIAL, DRIVE: DIRECT, MOTOR HP: 5, VOLT/PH/HZ: 208/3/60, REMARKS: REVERSIBLE FANS, WITH MANUAL CONTROLS	1	0%	1	EA	8.500	\$ 1,340.00	\$ 966.00	8.5	\$ 1,340	\$ 966	\$ 2,306	\$ 2,306
24	PFSXF-R-1, MFR: GREENHECK, MODEL NO: AX-47-190-0419-M50, CFM: 7000, FAN RPM: 3500, FAN TYPE: AXIAL, DRIVE: DIRECT, MOTOR HP: 5, VOLT/PH/HZ: 208/3/60, REMARKS: REVERSIBLE FANS, WITH MANUAL CONTROLS	1	0%	1	EA	8.500	\$ 1,340.00	\$ 966.00	8.5	\$ 1,340	\$ 966	\$ 2,306	\$ 2,306
25	TRXF-EMR-1, MFR: GREENHECK, MODEL NO: SQ-98-VG, CFM: 525, FAN RPM: 1989, FAN TYPE: INLINE, DRIVE: DIRECT, MOTOR HP: 0.8, VOLT/PH/HZ: 115/60/1	1	0%	1	EA	3.000	\$ 485.00	\$ 325.00	3.0	\$ 485	\$ 325	\$ 810	\$ 810
<b>VARIABLE REFRIGERANT VOLUME - ZONE HEAT RECOVERY DEVICE</b>													
1	HRB-C-1, BASIS OF DESIGN (DAIKIN): BSF6Q54TVJ, VOLTAGE-PHASE: 208-230V 1PH	1	0%	1	EA	10.000	\$ 2,863.00	\$1,020.00	10.0	\$ 2,863	\$ 1,020	\$ 3,883	\$ 3,883
2	HRB-SC2-1, BASIS OF DESIGN (DAIKIN): BSQ60TVJ, VOLTAGE-PHASE: 208-230V 1PH	1	0%	1	EA	10.000	\$ 2,863.00	\$1,020.00	10.0	\$ 2,863	\$ 1,020	\$ 3,883	\$ 3,883
3	HRB-1-1, BASIS OF DESIGN (DAIKIN): BSF4Q54TVJ, VOLTAGE-PHASE: 208-230V 1PH	1	0%	1	EA	10.000	\$ 2,863.00	\$1,020.00	10.0	\$ 2,863	\$ 1,020	\$ 3,883	\$ 3,883
4	HRB-3-1, BASIS OF DESIGN (DAIKIN): BSF4Q54TVJ, VOLTAGE-PHASE: 208-230V 1PH	1	0%	1	EA	10.000	\$ 2,863.00	\$1,020.00	10.0	\$ 2,863	\$ 1,020	\$ 3,883	\$ 3,883
5	HRB-4-1, BASIS OF DESIGN (DAIKIN): BSF6Q54TVJ, VOLTAGE-PHASE: 208-230V 1PH	1	0%	1	EA	10.000	\$ 2,863.00	\$1,020.00	10.0	\$ 2,863	\$ 1,020	\$ 3,883	\$ 3,883
6	HRB-5-1, BASIS OF DESIGN (DAIKIN): BSF6Q54TVJ, VOLTAGE-PHASE: 208-230V 1PH	1	0%	1	EA	10.000	\$ 2,863.00	\$1,020.00	10.0	\$ 2,863	\$ 1,020	\$ 3,883	\$ 3,883
<b>VARIABLE REFRIGERANT VOLUME - INDOOR UNIT</b>													
1	AC-C-1, BASIS OF DESIGN (DAIKIN): FXMQ72MVJU, NOMINAL TONNAGE: 6, TYPE: Concealed Ducted (Medium Static), Voltage - Phase: 208-230V 1ph	1	0%	1	EA	29.000	\$ 2,600.00	\$3,200.00	29.0	\$ 2,600	\$ 3,200	\$ 5,800	\$ 5,800
2	AC-C-2, BASIS OF DESIGN (DAIKIN): FXMQ12PBVJU, NOMINAL TONNAGE: 1, TYPE: Ceiling Mounted Ducted (Medium Static), Voltage - Phase: 208-230V 1ph	1	0%	1	EA	6.400	\$ 1,064.00	\$ 722.00	6.4	\$ 1,064	\$ 722	\$ 1,786	\$ 1,786
3	AC-C-3, BASIS OF DESIGN (DAIKIN): FXMQ09PBVJU, NOMINAL TONNAGE: 0.8, TYPE: Ceiling Mounted Ducted (Medium Static), Voltage - Phase: 208-230V 1ph	1	0%	1	EA	6.400	\$ 1,064.00	\$ 722.00	6.4	\$ 1,064	\$ 722	\$ 1,786	\$ 1,786
4	AC-C-4, BASIS OF DESIGN (DAIKIN): FXMQ15PBVJU, NOMINAL TONNAGE: 1.3, TYPE: Ceiling Mounted Ducted (Medium Static), Voltage - Phase: 208-230V 1ph	1	0%	1	EA	6.400	\$ 1,064.00	\$ 722.00	6.4	\$ 1,064	\$ 722	\$ 1,786	\$ 1,786
5	AC-SC2-2, BASIS OF DESIGN (DAIKIN): FXMQ48PBVJU, NOMINAL TONNAGE: 4, TYPE: Ceiling Mounted Ducted (Medium Static), Voltage - Phase: 208-230V 1ph	1	0%	1	EA	22.000	\$ 1,950.00	\$2,602.00	22.0	\$ 1,950	\$ 2,602	\$ 4,552	\$ 4,552
6	AC-1-1, BASIS OF DESIGN (DAIKIN): FXMQ18PBVJU, NOMINAL TONNAGE: 1.5, TYPE: Ceiling Mounted Ducted (Medium Static), Voltage - Phase: 208-230V 1ph	1	0%	1	EA	6.400	\$ 1,064.00	\$ 722.00	6.4	\$ 1,064	\$ 722	\$ 1,786	\$ 1,786
7	AC-1-2, BASIS OF DESIGN (DAIKIN): FXM Q72 M VJU, NOMINAL TONNAGE: 6, TYPE: Concealed Ducted (Medium Static), Voltage - Phase: 208-230V 1ph	1	0%	1	EA	29.000	\$ 2,600.00	\$3,200.00	29.0	\$ 2,600	\$ 3,200	\$ 5,800	\$ 5,800
8	AC-3-1, BASIS OF DESIGN (DAIKIN): FXMQ24PBVJU, NOMINAL TONNAGE: 2, TYPE: Ceiling Mounted Ducted (Medium Static), Voltage - Phase: 208-230V 1ph	1	0%	1	EA	17.000	\$ 1,540.00	\$2,140.00	17.0	\$ 1,540	\$ 2,140	\$ 3,680	\$ 3,680
9	AC-3-2, BASIS OF DESIGN (DAIKIN): FXMQ24PBVJU, NOMINAL TONNAGE: 2, TYPE: Ceiling Mounted Ducted (Medium Static), Voltage - Phase: 208-230V 1ph	1	0%	1	EA	17.000	\$ 1,540.00	\$2,140.00	17.0	\$ 1,540	\$ 2,140	\$ 3,680	\$ 3,680

10	AC-4-3, BASIS OF DESIGN (DAIKIN): FXMQ54PBVJU, NOMINAL TONNAGE: 4.5, TYPE: Ceiling Mounted Ducted (Medium Static), Voltage - Phase: 208-230V 1ph	1	0%	1	EA	22.000	\$ 1,950.00	\$2,602.00	22.0	\$ 1,950	\$ 2,602	\$ 4,552	\$ 4,552
11	AC-4-2, BASIS OF DESIGN (DAIKIN): FXMQ54PBVJU, NOMINAL TONNAGE: 4.5, TYPE: Ceiling Mounted Ducted (Medium Static), Voltage - Phase: 208-230V 1ph	1	0%	1	EA	22.000	\$ 1,950.00	\$2,602.00	22.0	\$ 1,950	\$ 2,602	\$ 4,552	\$ 4,552
12	AC-4-1, BASIS OF DESIGN (DAIKIN): FXMQ48PBVJU, NOMINAL TONNAGE: 4, TYPE: Ceiling Mounted Ducted (Medium Static), Voltage - Phase: 208-230V 1ph	1	0%	1	EA	22.000	\$ 1,950.00	\$2,602.00	22.0	\$ 1,950	\$ 2,602	\$ 4,552	\$ 4,552
13	AC-4-4, BASIS OF DESIGN (DAIKIN): FXMQ24PBVJU, NOMINAL TONNAGE: 2, TYPE: Ceiling Mounted Ducted (Medium Static), Voltage - Phase: 208-230V 1ph	1	0%	1	EA	17.000	\$ 1,540.00	\$2,140.00	17.0	\$ 1,540	\$ 2,140	\$ 3,680	\$ 3,680
14	AC-5-1, BASIS OF DESIGN (DAIKIN): FXMQ24PBVJU, NOMINAL TONNAGE: 2, TYPE: Ceiling Mounted Ducted (Medium Static), Voltage - Phase: 208-230V 1ph	1	0%	1	EA	17.000	\$ 1,540.00	\$2,140.00	17.0	\$ 1,540	\$ 2,140	\$ 3,680	\$ 3,680
15	AC-5-2, BASIS OF DESIGN (DAIKIN): FXMQ36PBVJU, NOMINAL TONNAGE: 3, TYPE: Ceiling Mounted Ducted (Medium Static), Voltage - Phase: 208-230V 1ph	1	0%	1	EA	19.500	\$ 2,026.00	\$2,322.00	19.5	\$ 2,026	\$ 2,322	\$ 4,348	\$ 4,348
16	AC-5-3, BASIS OF DESIGN (DAIKIN): FXMQ96MVJU, NOMINAL TONNAGE: 8, TYPE: Concealed Ducted (Medium Static), Voltage - Phase: 208-230V 1ph	1	0%	1	EA	32.000	\$ 3,656.00	\$3,608.00	32.0	\$ 3,656	\$ 3,608	\$ 7,264	\$ 7,264
17	AC-5-4, BASIS OF DESIGN (DAIKIN): FXMQ12PBVJU, NOMINAL TONNAGE: 1, TYPE: Ceiling Mounted Ducted (Medium Static), Voltage - Phase: 208-230V 1ph	1	0%	1	EA	6.400	\$ 1,064.00	\$ 722.00	6.4	\$ 1,064	\$ 722	\$ 1,786	\$ 1,786
18	AC-5-5, BASIS OF DESIGN (DAIKIN): FXMQ12PBVJU, NOMINAL TONNAGE: 1, TYPE: Ceiling Mounted Ducted (Medium Static), Voltage - Phase: 208-230V 1ph	1	0%	1	EA	6.400	\$ 1,064.00	\$ 722.00	6.4	\$ 1,064	\$ 722	\$ 1,786	\$ 1,786
19	AC-5-6, BASIS OF DESIGN (DAIKIN): FXMQ54PBVJU, NOMINAL TONNAGE: 4.5, TYPE: Ceiling Mounted Ducted (Medium Static), Voltage - Phase: 208-230V 1ph	1	0%	1	EA	22.000	\$ 1,950.00	\$2,602.00	22.0	\$ 1,950	\$ 2,602	\$ 4,552	\$ 4,552
20	AC-5-7, BASIS OF DESIGN (DAIKIN): FXMQ54PBVJU, NOMINAL TONNAGE: 4.5, TYPE: Ceiling Mounted Ducted (Medium Static), Voltage - Phase: 208-230V 1ph	1	0%	1	EA	22.000	\$ 1,950.00	\$2,602.00	22.0	\$ 1,950	\$ 2,602	\$ 4,552	\$ 4,552
21	AC-5-8, BASIS OF DESIGN (DAIKIN): FXMQ54PBVJU, NOMINAL TONNAGE: 4.5, TYPE: Ceiling Mounted Ducted (Medium Static), Voltage - Phase: 208-230V 1ph	1	0%	1	EA	22.000	\$ 1,950.00	\$2,602.00	22.0	\$ 1,950	\$ 2,602	\$ 4,552	\$ 4,552
22	AC-5-9, BASIS OF DESIGN (DAIKIN): FXMQ54PBVJU, NOMINAL TONNAGE: 4.5, TYPE: Ceiling Mounted Ducted (Medium Static), Voltage - Phase: 208-230V 1ph	1	0%	1	EA	22.000	\$ 1,950.00	\$2,602.00	22.0	\$ 1,950	\$ 2,602	\$ 4,552	\$ 4,552
23	AC-5-10, BASIS OF DESIGN (DAIKIN): FXMQ48PBVJU, NOMINAL TONNAGE: 4, TYPE: Ceiling Mounted Ducted (Medium Static), Voltage - Phase: 208-230V 1ph	1	0%	1	EA	22.000	\$ 1,950.00	\$2,602.00	22.0	\$ 1,950	\$ 2,602	\$ 4,552	\$ 4,552
24	AC-5-11, BASIS OF DESIGN (DAIKIN): FXMQ48PBVJU, NOMINAL TONNAGE: 4, TYPE: Ceiling Mounted Ducted (Medium Static), Voltage - Phase: 208-230V 1ph	1	0%	1	EA	22.000	\$ 1,950.00	\$2,602.00	22.0	\$ 1,950	\$ 2,602	\$ 4,552	\$ 4,552
25	AC-5-12, BASIS OF DESIGN (DAIKIN): FXMQ48PBVJU, NOMINAL TONNAGE: 4, TYPE: Ceiling Mounted Ducted (Medium Static), Voltage - Phase: 208-230V 1ph	1	0%	1	EA	22.000	\$ 1,950.00	\$2,602.00	22.0	\$ 1,950	\$ 2,602	\$ 4,552	\$ 4,552
26	AC-5-13, BASIS OF DESIGN (DAIKIN): FXMQ48PBVJU, NOMINAL TONNAGE: 4, TYPE: Ceiling Mounted Ducted (Medium Static), Voltage - Phase: 208-230V 1ph	1	0%	1	EA	22.000	\$ 1,950.00	\$2,602.00	22.0	\$ 1,950	\$ 2,602	\$ 4,552	\$ 4,552
27	AC-5-14, BASIS OF DESIGN (DAIKIN): FXMQ48PBVJU, NOMINAL TONNAGE: 4, TYPE: Ceiling Mounted Ducted (Medium Static), Voltage - Phase: 208-230V 1ph	1	0%	1	EA	22.000	\$ 1,950.00	\$2,602.00	22.0	\$ 1,950	\$ 2,602	\$ 4,552	\$ 4,552
28	E-6-H-1, BASIS OF DESIGN (DAIKIN): FXSQ36TAVJU, NOMINAL TONNAGE: 3, TYPE: MSP Concealed Ducted Unit, Voltage - Phase: 208-230V 1ph	1	0%	1	EA	19.500	\$ 2,026.00	\$2,322.00	19.5	\$ 2,026	\$ 2,322	\$ 4,348	\$ 4,348
29	A-6-J-1, BASIS OF DESIGN (DAIKIN): FXSQ12TAVJU, NOMINAL TONNAGE: 1, TYPE: MSP Concealed Ducted Unit, Voltage - Phase: 208-230V 1ph	1	0%	1	EA	6.400	\$ 1,064.00	\$ 722.00	6.4	\$ 1,064	\$ 722	\$ 1,786	\$ 1,786
30	A-6-K-1, BASIS OF DESIGN (DAIKIN): FXSQ12TAVJU, NOMINAL TONNAGE: 1, TYPE: MSP Concealed Ducted Unit, Voltage - Phase: 208-230V 1ph	1	0%	1	EA	6.400	\$ 1,064.00	\$ 722.00	6.4	\$ 1,064	\$ 722	\$ 1,786	\$ 1,786
31	E-7-G-1, BASIS OF DESIGN (DAIKIN): FXSQ36TAVJU, NOMINAL TONNAGE: 3, TYPE: MSP Concealed Ducted Unit, Voltage - Phase: 208-230V 1ph	1	0%	1	EA	19.500	\$ 2,026.00	\$2,322.00	19.5	\$ 2,026	\$ 2,322	\$ 4,348	\$ 4,348
32	E-8-G-1, BASIS OF DESIGN (DAIKIN): FXSQ36TAVJU, NOMINAL TONNAGE: 3, TYPE: MSP Concealed Ducted Unit, Voltage - Phase: 208-230V 1ph	1	0%	1	EA	19.500	\$ 2,026.00	\$2,322.00	19.5	\$ 2,026	\$ 2,322	\$ 4,348	\$ 4,348

















1	ACCU-3-1, DESCRIPTION: Air cooled heat recovery, BASIS OF DESIGN (DAIKIN): REYQ168XATJA, NOMINAL TONNAGE: 14, BTU/h: 162680, VOLTAGE- PHASE: 208V - 230V 3ph	1	0%	1	EA	40.000	\$ 4,650.00	\$4,243.00	40.0	\$ 4,650	\$ 4,243	\$ 8,893	\$ 8,893
2	ACCU-3-2, DESCRIPTION: Air cooled heat recovery, BASIS OF DESIGN (DAIKIN): REYQ144XATJA, NOMINAL TONNAGE: 12, BTU/h: 142942, VOLTAGE- PHASE: 208V - 230V 3ph	1	0%	1	EA	34.000	\$ 3,950.00	\$4,013.00	34.0	\$ 3,950	\$ 4,013	\$ 7,963	\$ 7,963
3	ACCU-4-1, DESCRIPTION: Air cooled heat recovery, BASIS OF DESIGN (DAIKIN): REYQ168XATJA, NOMINAL TONNAGE: 14, BTU/h: 168406, VOLTAGE- PHASE: 208V - 230V 3ph	1	0%	1	EA	40.000	\$ 4,650.00	\$4,243.00	40.0	\$ 4,650	\$ 4,243	\$ 8,893	\$ 8,893
4	ACCU-4-2, DESCRIPTION: Air cooled heat recovery, BASIS OF DESIGN (DAIKIN): REYQ168XATJA, NOMINAL TONNAGE: 14, BTU/h: 166635, VOLTAGE- PHASE: 208V - 230V 3ph	1	0%	1	EA	40.000	\$ 4,650.00	\$4,243.00	40.0	\$ 4,650	\$ 4,243	\$ 8,893	\$ 8,893
5	ACCU-4-3, DESCRIPTION: Air cooled heat pump, BASIS OF DESIGN (DAIKIN): RXYQ216XATJA, NOMINAL TONNAGE: 18, BTU/h: 201237, VOLTAGE- PHASE: 208V - 230V 3ph	1	0%	1	EA	54.000	\$ 8,520.00	\$6,120.00	54.0	\$ 8,520	\$ 6,120	\$ 14,640	\$ 14,640
6	ACCU-4-4, DESCRIPTION: Air cooled heat pump, BASIS OF DESIGN (DAIKIN): RXYQ264XATJA, NOMINAL TONNAGE: 22, BTU/h: 238872, VOLTAGE- PHASE: 208V - 230V 3ph	1	0%	1	EA	66.000	\$12,163.00	\$7,350.00	66.0	\$ 12,163	\$ 7,350	\$ 19,513	\$ 19,513
7	ACCU-4-5, DESCRIPTION: Air cooled heat pump, BASIS OF DESIGN (DAIKIN): RXYQ168XATJA, NOMINAL TONNAGE: 14, BTU/h: 156871, VOLTAGE- PHASE: 208V - 230V 3ph	1	0%	1	EA	40.000	\$ 4,650.00	\$4,243.00	40.0	\$ 4,650	\$ 4,243	\$ 8,893	\$ 8,893
8	ACCU-4-6, DESCRIPTION: Air cooled heat pump, BASIS OF DESIGN (DAIKIN): RXYQ144XATJA, NOMINAL TONNAGE: 12, BTU/h: 138027, VOLTAGE- PHASE: 208V - 230V 3ph	1	0%	1	EA	34.000	\$ 3,950.00	\$4,013.00	34.0	\$ 3,950	\$ 4,013	\$ 7,963	\$ 7,963
9	ACCU-4-7, DESCRIPTION: Air cooled heat pump, BASIS OF DESIGN (DAIKIN): RXYQ144XATJA, NOMINAL TONNAGE: 12, BTU/h: 138027, VOLTAGE- PHASE: 208V - 230V 3ph	1	0%	1	EA	34.000	\$ 3,950.00	\$4,013.00	34.0	\$ 3,950	\$ 4,013	\$ 7,963	\$ 7,963
10	ACCU-4-8, DESCRIPTION: Air cooled heat pump, BASIS OF DESIGN (DAIKIN): RXYQ168XATJA, NOMINAL TONNAGE: 14, BTU/h: 157853, VOLTAGE- PHASE: 208V - 230V 3ph	1	0%	1	EA	40.000	\$ 4,650.00	\$4,243.00	40.0	\$ 4,650	\$ 4,243	\$ 8,893	\$ 8,893
11	ACCU-4-9, DESCRIPTION: Air cooled heat pump, BASIS OF DESIGN (DAIKIN): RXYQ168XATJA, NOMINAL TONNAGE: 14, BTU/h: 154950, VOLTAGE- PHASE: 208V - 230V 3ph	1	0%	1	EA	40.000	\$ 4,650.00	\$4,243.00	40.0	\$ 4,650	\$ 4,243	\$ 8,893	\$ 8,893
12	ACCU-4-10, DESCRIPTION: Air cooled heat pump, BASIS OF DESIGN (DAIKIN): RXYQ144XATJA, NOMINAL TONNAGE: 12, BTU/h: 136250, VOLTAGE- PHASE: 208V - 230V 3ph	1	0%	1	EA	34.000	\$ 3,950.00	\$4,013.00	34.0	\$ 3,950	\$ 4,013	\$ 7,963	\$ 7,963
13	ACCU-4-11, DESCRIPTION: Air cooled heat pump, BASIS OF DESIGN (DAIKIN): RXYQ144XATJA, NOMINAL TONNAGE: 12, BTU/h: 136250, VOLTAGE- PHASE: 208V - 230V 3ph	1	0%	1	EA	34.000	\$ 3,950.00	\$4,013.00	34.0	\$ 3,950	\$ 4,013	\$ 7,963	\$ 7,963
14	ACCU-4-12, DESCRIPTION: Air cooled heat pump, BASIS OF DESIGN (DAIKIN): RXYQ120XATJA, NOMINAL TONNAGE: 10, BTU/h: 114121, VOLTAGE- PHASE: 208V - 230V 3ph	1	0%	1	EA	32.000	\$ 3,659.00	\$3,608.00	32.0	\$ 3,659	\$ 3,608	\$ 7,267	\$ 7,267
15	ACCU-4-13, DESCRIPTION: Air cooled heat pump, BASIS OF DESIGN (DAIKIN): RXYQ168XATJA, NOMINAL TONNAGE: 14, BTU/h: 152171, VOLTAGE- PHASE: 208V - 230V 3ph	1	0%	1	EA	40.000	\$ 4,650.00	\$4,243.00	40.0	\$ 4,650	\$ 4,243	\$ 8,893	\$ 8,893

16	ACCU-4-14, DESCRIPTION: Air cooled heat pump, BASIS OF DESIGN (DAIKIN): RXYQ144XATJA, NOMINAL TONNAGE: 12, BTU/h: 134521, VOLTAGE PHASE: 208V - 230V 3ph	1	0%	1	EA	34.000	\$ 3,950.00	\$4,013.00	34.0	\$ 3,950	\$ 4,013	\$ 7,963	\$ 7,963
17	ACCU-4-15, DESCRIPTION: Air cooled heat pump, BASIS OF DESIGN (DAIKIN): RXYQ144XATJA, NOMINAL TONNAGE: 12, BTU/h: 134521, VOLTAGE PHASE: 208V - 230V 3ph	1	0%	1	EA	34.000	\$ 3,950.00	\$4,013.00	34.0	\$ 3,950	\$ 4,013	\$ 7,963	\$ 7,963
18	ACCU-4-16, DESCRIPTION: Air cooled heat pump, BASIS OF DESIGN (DAIKIN): RXYQ120XATJA, NOMINAL TONNAGE: 10, BTU/h: 113146, VOLTAGE PHASE: 208V - 230V 3ph	1	0%	1	EA	32.000	\$ 3,659.00	\$3,608.00	32.0	\$ 3,659	\$ 3,608	\$ 7,267	\$ 7,267
19	ACCU-4-17, DESCRIPTION: Air cooled heat pump, BASIS OF DESIGN (DAIKIN): RXYQ120XATJA, NOMINAL TONNAGE: 10, BTU/h: 112188, VOLTAGE PHASE: 208V - 230V 3ph	1	0%	1	EA	32.000	\$ 3,659.00	\$3,608.00	32.0	\$ 3,659	\$ 3,608	\$ 7,267	\$ 7,267
20	ACCU-27-1, DESCRIPTION: Air cooled heat pump, BASIS OF DESIGN (DAIKIN): RXYQ168XATJA, NOMINAL TONNAGE: 14, BTU/h: 152171, VOLTAGE PHASE: 208V - 230V 3ph	1	0%	1	EA	40.000	\$ 4,650.00	\$4,243.00	40.0	\$ 4,650	\$ 4,243	\$ 8,893	\$ 8,893
21	ACCU-27-2, DESCRIPTION: Air cooled heat pump, BASIS OF DESIGN (DAIKIN): RXYQ144XATJA, NOMINAL TONNAGE: 12, BTU/h: 134521, VOLTAGE PHASE: 208V - 230V 3ph	1	0%	1	EA	34.000	\$ 3,950.00	\$4,013.00	34.0	\$ 3,950	\$ 4,013	\$ 7,963	\$ 7,963
22	ACCU-27-3, DESCRIPTION: Air cooled heat pump, BASIS OF DESIGN (DAIKIN): RXYQ144XATJA, NOMINAL TONNAGE: 12, BTU/h: 134521, VOLTAGE PHASE: 208V - 230V 3ph	1	0%	1	EA	34.000	\$ 3,950.00	\$4,013.00	34.0	\$ 3,950	\$ 4,013	\$ 7,963	\$ 7,963
23	ACCU-27-4, DESCRIPTION: Air cooled heat pump, BASIS OF DESIGN (DAIKIN): RXYQ120XATJA, NOMINAL TONNAGE: 10, BTU/h: 112188, VOLTAGE PHASE: 208V - 230V 3ph	1	0%	1	EA	32.000	\$ 3,659.00	\$3,608.00	32.0	\$ 3,659	\$ 3,608	\$ 7,267	\$ 7,267
24	ACCU-27-5, DESCRIPTION: Air cooled heat pump, BASIS OF DESIGN (DAIKIN): RXYQ120XATJA, NOMINAL TONNAGE: 10, BTU/h: 113146, VOLTAGE PHASE: 208V - 230V 3ph	1	0%	1	EA	32.000	\$ 3,659.00	\$3,608.00	32.0	\$ 3,659	\$ 3,608	\$ 7,267	\$ 7,267
25	ACCU-27-6, DESCRIPTION: Air cooled heat pump, BASIS OF DESIGN (DAIKIN): RXYQ168XATJA, NOMINAL TONNAGE: 14, BTU/h: 154950, VOLTAGE PHASE: 208V - 230V 3ph	1	0%	1	EA	40.000	\$ 4,650.00	\$4,243.00	40.0	\$ 4,650	\$ 4,243	\$ 8,893	\$ 8,893
26	ACCU-27-7, DESCRIPTION: Air cooled heat pump, BASIS OF DESIGN (DAIKIN): RXYQ144XATJA, NOMINAL TONNAGE: 12, BTU/h: 136250, VOLTAGE PHASE: 208V - 230V 3ph	1	0%	1	EA	34.000	\$ 3,950.00	\$4,013.00	34.0	\$ 3,950	\$ 4,013	\$ 7,963	\$ 7,963
27	ACCU-27-8, DESCRIPTION: Air cooled heat pump, BASIS OF DESIGN (DAIKIN): RXYQ144XATJA, NOMINAL TONNAGE: 12, BTU/h: 136250, VOLTAGE PHASE: 208V - 230V 3ph	1	0%	1	EA	34.000	\$ 3,950.00	\$4,013.00	34.0	\$ 3,950	\$ 4,013	\$ 7,963	\$ 7,963
28	ACCU-27-9, DESCRIPTION: Air cooled heat pump, BASIS OF DESIGN (DAIKIN): RXYQ144XATJA, NOMINAL TONNAGE: 12, BTU/h: 136837, VOLTAGE PHASE: 208V - 230V 3ph	1	0%	1	EA	34.000	\$ 3,950.00	\$4,013.00	34.0	\$ 3,950	\$ 4,013	\$ 7,963	\$ 7,963
29	ACCU-27-10, DESCRIPTION: Air cooled heat pump, BASIS OF DESIGN (DAIKIN): RXYQ120XATJA, NOMINAL TONNAGE: 10, BTU/h: 115115, VOLTAGE PHASE: 208V - 230V 3ph	1	0%	1	EA	32.000	\$ 3,659.00	\$3,608.00	32.0	\$ 3,659	\$ 3,608	\$ 7,267	\$ 7,267
30	ACCU-27-11, DESCRIPTION: Air cooled heat pump, BASIS OF DESIGN (DAIKIN): RXYQ120XATJA, NOMINAL TONNAGE: 10, BTU/h: 115115, VOLTAGE PHASE: 208V - 230V 3ph	1	0%	1	EA	32.000	\$ 3,659.00	\$3,608.00	32.0	\$ 3,659	\$ 3,608	\$ 7,267	\$ 7,267

31	ACCU-27-12, DESCRIPTION: Air cooled heat pump, BASIS OF DESIGN (DAIKIN): RXYQ120XATJA, NOMINAL TONNAGE: 10, BTU/h: 115033, VOLTAG E- PHASE: 208V - 230V 3ph	1	0%	1	EA	32.000	\$ 3,659.00	\$3,608.00	32.0	\$ 3,659	\$ 3,608	\$ 7,267	\$ 7,267
32	ACCU-27-13, DESCRIPTION: Air cooled heat pump, BASIS OF DESIGN (DAIKIN): RXYQ144XATJA, NOMINAL TONNAGE: 12, BTU/h: 140845, VOLTAG E- PHASE: 208V - 230V 3ph	1	0%	1	EA	34.000	\$ 3,950.00	\$4,013.00	34.0	\$ 3,950	\$ 4,013	\$ 7,963	\$ 7,963
33	ACCU-27-14, DESCRIPTION: Air cooled heat pump, BASIS OF DESIGN (DAIKIN): RXYQ120XATJA, NOMINAL TONNAGE: 10, BTU/h: 117156, VOLTAG E- PHASE: 208V - 230V 3ph	1	0%	1	EA	32.000	\$ 3,659.00	\$3,608.00	32.0	\$ 3,659	\$ 3,608	\$ 7,267	\$ 7,267
34	ACCU-27-15, DESCRIPTION: Air cooled heat pump, BASIS OF DESIGN (DAIKIN): RXYQ120XATJA, NOMINAL TONNAGE: 10, BTU/h: 117156, VOLTAG E- PHASE: 208V - 230V 3ph	1	0%	1	EA	32.000	\$ 3,659.00	\$3,608.00	32.0	\$ 3,659	\$ 3,608	\$ 7,267	\$ 7,267
35	ACCU-27-16, DESCRIPTION: Air cooled heat pump, BASIS OF DESIGN (DAIKIN): RXYQ120XATJA, NOMINAL TONNAGE: 10, BTU/h: 117592, VOLTAG E- PHASE: 208V - 230V 3ph	1	0%	1	EA	32.000	\$ 3,659.00	\$3,608.00	32.0	\$ 3,659	\$ 3,608	\$ 7,267	\$ 7,267
36	ACCU-27-17, DESCRIPTION: Air cooled heat pump, BASIS OF DESIGN (DAIKIN): RXYQ120XATJA, NOMINAL TONNAGE: 10, BTU/h: 118204, VOLTAG E- PHASE: 208V - 230V 3ph	1	0%	1	EA	32.000	\$ 3,659.00	\$3,608.00	32.0	\$ 3,659	\$ 3,608	\$ 7,267	\$ 7,267
37	ACCU-27-18, DESCRIPTION: Air cooled heat pump, BASIS OF DESIGN (DAIKIN): RXYQ120XATJA, NOMINAL TONNAGE: 10, BTU/h: 118204, VOLTAG E- PHASE: 208V - 230V 3ph	1	0%	1	EA	32.000	\$ 3,659.00	\$3,608.00	32.0	\$ 3,659	\$ 3,608	\$ 7,267	\$ 7,267
38	ACCU-27-19, DESCRIPTION: Air cooled heat pump, BASIS OF DESIGN (DAIKIN): RXYQ72XATJA, NOMINAL TONNAGE: 6, BTU/h: 72040, VOLTAG E- PHASE: 208V - 230V 3ph	1	0%	1	EA	27.000	\$ 2,252.00	\$3,014.00	27.0	\$ 2,252	\$ 3,014	\$ 5,266	\$ 5,266
<b>SINGLE SPLIT - AIR-COOLED CONDENSING UNIT</b>													
1	ACCU-27-20, BASIS OF DESIGN (DAIKIN): RX12RMVJU9, 1 TON, DESCRIPTION: 1.0 TON HEAT	1	0%	1	EA	32.000	\$ 2,758.00	\$3,608.00	32.0	\$ 2,758	\$ 3,608	\$ 6,366	\$ 6,366
<b>SINGLE SPLIT - AIR-COOLED CONDENSING UNIT</b>													
1	AC-27-1, BASIS OF DESIGN (DAIKIN): FDMQ12RVJU, 1 TON, TYPE: 1.0 TON CEILING MOUNTED DUCT TYPE, 12800 BTU/H, 208-230V 1PH	1	0%	1	EA	32.000	\$ 2,758.00	\$3,608.00	32.0	\$ 2,758	\$ 3,608	\$ 6,366	\$ 6,366
<b>CONSTANT AIR REGULATOR</b>													
1	CAR-A, 40 CFM, DESCRIPTION: REGISTER TYPE W/GRILLE, STANDARD MFR. AMERICAN ALDES, MODEL: CER3-L4-R5-0606	31	0%	31	EA	1.000	\$ 183.00	\$ 116.00	31.0	\$ 5,673	\$ 3,596	\$ 299	\$ 9,269
2	CAR-B, 35 CFM, DESCRIPTION: REGISTER TYPE W/GRILLE, STANDARD MFR. AMERICAN ALDES, MODEL: CER3-L4-R5-0606	34	0%	34	EA	0.800	\$ 166.00	\$ 100.00	27.2	\$ 5,644	\$ 3,400	\$ 266	\$ 9,044
3	CAR-C, 40 CFM, DESCRIPTION: CEILING MOUNTED CONSTANT EXHAUST BOX, STANDARD MFR. AMERICAN ALDES, MODEL: CEB3-L5-CS-5-1212	87	0%	87	EA	1.000	\$ 183.00	\$ 116.00	87.0	\$ 15,921	\$ 10,092	\$ 299	\$ 26,013
4	CAR-D, 35 CFM, DESCRIPTION: CEILING MOUNTED CONSTANT EXHAUST BOX, STANDARD MFR. AMERICAN ALDES, MODEL: CEB3-L5-CS-5-1212	79	0%	79	EA	0.800	\$ 166.00	\$ 100.00	63.2	\$ 13,114	\$ 7,900	\$ 266	\$ 21,014
5	CAR-D, 40 CFM, DESCRIPTION: CEILING MOUNTED CONSTANT EXHAUST BOX, STANDARD MFR. AMERICAN ALDES, MODEL: CEB3-L5-CS-5-1212	1	0%	1	EA	1.000	\$ 183.00	\$ 116.00	1.0	\$ 183	\$ 116	\$ 299	\$ 299
<b>HEATING &amp; VENTILATION UNIT - STANDARD MFR</b>													
1	HV-3-1, MANUFACTURER: NEPTRONIC, MODEL No: CMU12G120DD, CFM: 450, KW: 12, ELECTRICAL DATA: 208/3/60, TYPE: PLEATED	1	0%	1	EA	10.000	\$ 1,650.00	\$1,080.00	10.0	\$ 1,650	\$ 1,080	\$ 2,730	\$ 2,730



ELECTRIC SPACE HEATER													
1	TSH, TYPE: TOE HEATER, WATTS: 1500, AMPS: 12.5, V/Ph/Hz: 120/1/60, MODEL NO.: QTS1500T, REMARKS: QTS-AG ADAPTER GRILL 3-1/2"H x 23-3/8" W	1	0%	1	EA	8.000	\$ 4,643.00	\$ 950.00	8.0	\$ 4,643	\$ 950	\$ 5,593	\$ 5,593
MECHANICAL EQUIPMENT/DEVICES (DETAILS NOT GIVEN)													
1	EFH-1	2	0%	2	EA	2.000	\$ 360.00	\$ 205.00	4.0	\$ 720	\$ 410	\$ 565	\$ 1,130
2	EHC-1-3	1	0%	1	EA	2.000	\$ 360.00	\$ 205.00	2.0	\$ 360	\$ 205	\$ 565	\$ 565
3	EHO-1-2	1	0%	1	EA	2.000	\$ 360.00	\$ 205.00	2.0	\$ 360	\$ 205	\$ 565	\$ 565
4	EMR-A	1	0%	1	EA	2.000	\$ 360.00	\$ 205.00	2.0	\$ 360	\$ 205	\$ 565	\$ 565
5	ST-4-1, 5 FT Long	2	0%	2	EA	2.000	\$ 360.00	\$ 205.00	4.0	\$ 720	\$ 410	\$ 565	\$ 1,130
6	SF-5-1	1	0%	1	EA	2.000	\$ 360.00	\$ 205.00	2.0	\$ 360	\$ 205	\$ 565	\$ 565
REFRIGERATION PIPE													
Copper Type L (Assumed)													
1	5/8" Dia Refrigeration Liquid Pipe	730	10%	803	FT	0.101	\$ 5.94	\$ 11.63	81.1	\$ 4,770	\$ 9,339	\$ 18	\$ 14,109
2	3/8" Dia Refrigeration Liquid Pipe	1400	10%	1540	FT	0.095	\$ 2.09	\$ 10.95	146.3	\$ 3,219	\$ 16,863	\$ 13	\$ 20,082
3	1/4" Dia Refrigeration Liquid Pipe	570	10%	627	FT	0.091	\$ 1.80	\$ 10.44	57.1	\$ 1,129	\$ 6,546	\$ 12	\$ 7,675
4	1/2" Dia Refrigeration Liquid Pipe	890	10%	979	FT	0.099	\$ 2.46	\$ 11.38	96.9	\$ 2,408	\$ 11,141	\$ 14	\$ 13,549
5	3/4" Dia Refrigeration Liquid Pipe	220	10%	242	FT	0.105	\$ 2.98	\$ 12.14	25.4	\$ 721	\$ 2,938	\$ 15	\$ 3,659
6	1-1/8" Dia Refrigeration Suction Pipe	1960	10%	2156	FT	0.145	\$ 8.50	\$ 14.60	312.6	\$ 18,326	\$ 31,478	\$ 23	\$ 49,804
7	5/8" Dia Refrigeration Suction Pipe	1150	10%	1265	FT	0.101	\$ 5.94	\$ 11.63	127.8	\$ 7,514	\$ 14,712	\$ 18	\$ 22,226
8	1/2" Dia Refrigeration Suction Pipe	570	10%	627	FT	0.099	\$ 2.46	\$ 11.38	62.1	\$ 1,542	\$ 7,135	\$ 14	\$ 8,678
9	7/8" Dia Refrigeration Suction Pipe	240	10%	264	FT	0.095	\$ 2.09	\$ 10.95	25.1	\$ 552	\$ 2,891	\$ 13	\$ 3,443
10	3/4" Dia Refrigeration Suction Pipe	110	10%	121	FT	0.105	\$ 2.98	\$ 12.14	12.7	\$ 361	\$ 1,469	\$ 15	\$ 1,830
11	3/8" Dia Refrigeration Suction Pipe	100	10%	110	FT	0.095	\$ 2.09	\$ 10.95	10.5	\$ 230	\$ 1,205	\$ 13	\$ 1,434
12	1-3/8" Dia Refrigeration Suction Pipe	100	10%	110	FT	0.145	\$ 8.50	\$ 14.60	16.0	\$ 935	\$ 1,606	\$ 23	\$ 2,541
INSULATION													
1/2" Armaflex Insulation (Assumed)													
1	5/8" Dia Refrigeration Liquid Pipe	730	10%	803	FT	0.056	\$ 0.70	\$ 5.40	45.0	\$ 562	\$ 4,336	\$ 6	\$ 4,898
2	3/8" Dia Refrigeration Liquid Pipe	1400	10%	1540	FT	0.050	\$ 0.63	\$ 5.10	77.0	\$ 970	\$ 7,854	\$ 6	\$ 8,824
3	1/4" Dia Refrigeration Liquid Pipe	570	10%	627	FT	0.048	\$ 0.60	\$ 4.60	30.1	\$ 376	\$ 2,884	\$ 5	\$ 3,260
4	1/2" Dia Refrigeration Liquid Pipe	890	10%	979	FT	0.060	\$ 0.85	\$ 5.80	58.7	\$ 832	\$ 5,678	\$ 7	\$ 6,510
5	3/4" Dia Refrigeration Liquid Pipe	220	10%	242	FT	0.067	\$ 0.96	\$ 6.30	16.2	\$ 232	\$ 1,525	\$ 7	\$ 1,757
6	1-1/8" Dia Refrigeration Suction Pipe	1960	10%	2156	FT	0.073	\$ 1.20	\$ 6.80	157.4	\$ 2,587	\$ 14,661	\$ 8	\$ 17,248
7	5/8" Dia Refrigeration Suction Pipe	1150	10%	1265	FT	0.056	\$ 0.70	\$ 5.40	70.8	\$ 886	\$ 6,831	\$ 6	\$ 7,717
8	1/2" Dia Refrigeration Suction Pipe	570	10%	627	FT	0.060	\$ 0.85	\$ 5.80	37.6	\$ 533	\$ 3,637	\$ 7	\$ 4,170
9	7/8" Dia Refrigeration Suction Pipe	240	10%	264	FT	0.050	\$ 0.63	\$ 5.10	13.2	\$ 166	\$ 1,346	\$ 6	\$ 1,513
10	3/4" Dia Refrigeration Suction Pipe	110	10%	121	FT	0.067	\$ 0.96	\$ 6.30	8.1	\$ 116	\$ 762	\$ 7	\$ 878
11	3/8" Dia Refrigeration Suction Pipe	100	10%	110	FT	0.050	\$ 0.63	\$ 5.10	5.5	\$ 69	\$ 561	\$ 6	\$ 630
12	1-3/8" Dia Refrigeration Suction Pipe	100	10%	110	FT	0.073	\$ 1.20	\$ 6.80	8.0	\$ 132	\$ 748	\$ 8	\$ 880
CONDENSATE DRAIN PIPE													
CPVC SCH 40													
1	3/4" Dia Condensate Drain Pipe	1529	10%	1682	FT	0.157	\$ 4.68	\$ 18.00	264.1	\$ 7,871	\$ 30,274	\$ 23	\$ 38,145

2	1" Dia Condensate Drain Pipe	225.11	10%	248	FT	0.174	\$ 3.29	\$ 19.95	43.1	\$ 815	\$ 4,940	\$ 23	\$ 5,755
3	1-1/4" Dia Condensate Drain Pipe	299.45	10%	329	FT	0.190	\$ 3.30	\$ 21.90	62.6	\$ 1,087	\$ 7,214	\$ 25	\$ 8,301
4	1-1/2" Dia Condensate Drain Pipe	113.66	10%	125	FT	0.222	\$ 4.81	\$ 22.55	27.8	\$ 601	\$ 2,819	\$ 27	\$ 3,421
5	2" Dia Condensate Drain Pipe	15.52	10%	17	FT	0.271	\$ 4.76	\$ 28.02	4.6	\$ 81	\$ 478	\$ 33	\$ 560
6	3" Dia Condensate Drain Pipe	27.86	10%	31	FT	0.302	\$ 9.86	\$ 31.24	9.3	\$ 302	\$ 957	\$ 41	\$ 1,260
<b>INSULATION</b>													
1/2" Armaflex Insulation (Assumed)													
1	3/4" Dia Condensate Drain Pipe	1070.3	10%	1177	FT	0.067	\$ 0.96	\$ 6.30	78.9	\$ 1,130	\$ 7,417	\$ 7	\$ 8,547
2	1" Dia Condensate Drain Pipe	157.577	10%	173	FT	0.070	\$ 1.10	\$ 6.46	12.1	\$ 191	\$ 1,120	\$ 8	\$ 1,310
3	1-1/4" Dia Condensate Drain Pipe	209.615	10%	231	FT	0.073	\$ 1.20	\$ 6.80	16.8	\$ 277	\$ 1,568	\$ 8	\$ 1,845
4	1-1/2" Dia Condensate Drain Pipe	79.562	10%	88	FT	0.077	\$ 1.50	\$ 7.20	6.7	\$ 131	\$ 630	\$ 9	\$ 761
<b>FUEL OIL PIPE</b>													
BLACK STEEL(ASSUMED)													
1	2" Dia Fuel Oil Supply Pipe	188	10%	207	FT	0.250	\$ 7.46	\$ 25.89	51.7	\$ 1,543	\$ 5,354	\$ 33	\$ 6,897
<b>OVEFLOW / RETURN PIPE</b>													
BLACK STEEL(ASSUMED)													
1	1-1/4" Dia Overflow / Return Pipe	187	10%	206	FT	0.180	\$ 4.73	\$ 18.59	37.0	\$ 973	\$ 3,824	\$ 23	\$ 4,797
<b>OVEFLOW / RETURN PIPE</b>													
BLACK STEEL(ASSUMED)													
1	12" Dia Gas Meter Room Vent (2-HR Fire Rated Enclosed)	111.38	10%	123	FT	1.263	\$ 112.82	\$ 135.84	154.7	\$ 13,822	\$ 16,643	\$ 249	\$ 30,465
<b>HOT WATER PIPE</b>													
TYPE L COPPER (ASSUMED)													
1	4" Dia Hot Water Supply Pipe	41.77	10%	46	FT	0.410	\$ 40.22	\$ 42.45	18.8	\$ 1,848	\$ 1,950	\$ 83	\$ 3,798
2	4" Dia Hot Water Return Pipe	41.18	10%	45	FT	0.410	\$ 40.22	\$ 42.45	18.6	\$ 1,822	\$ 1,923	\$ 83	\$ 3,745
<b>INSULATION</b>													
1/2" Thick Fiberglass Insulation (Assumed)													
1	4" Dia Hot Water Supply Pipe	41.77	10%	46	FT	0.099	\$ 2.60	\$ 10.20	4.5	\$ 119	\$ 469	\$ 13	\$ 588
2	4" Dia Hot Water Return Pipe	41.18	10%	45	FT	0.099	\$ 2.60	\$ 10.20	4.5	\$ 118	\$ 462	\$ 13	\$ 580
<b>DAMPERS</b>													
1	5"x4" Volume Damper	4	0%	4	EA	0.364	\$ 144.00	\$ 44.00	1.5	\$ 576	\$ 176	\$ 188	\$ 752
2	6"x6" Volume Damper	9	0%	9	EA	0.364	\$ 144.00	\$ 44.00	3.3	\$ 1,296	\$ 396	\$ 188	\$ 1,692
3	8"x4" Volume Damper	1	0%	1	EA	0.364	\$ 144.00	\$ 44.00	0.4	\$ 144	\$ 44	\$ 188	\$ 188
4	8"x6" Volume Damper	7	0%	7	EA	0.364	\$ 144.00	\$ 44.00	2.5	\$ 1,008	\$ 308	\$ 188	\$ 1,316
5	8"x8" Volume Damper	15	0%	15	EA	0.364	\$ 144.00	\$ 44.00	5.5	\$ 2,160	\$ 660	\$ 188	\$ 2,820
6	10"x6" Volume Damper	11	0%	11	EA	0.381	\$ 140.00	\$ 46.00	4.2	\$ 1,540	\$ 506	\$ 186	\$ 2,046
7	10"x8" Volume Damper	14	0%	14	EA	0.381	\$ 140.00	\$ 46.00	5.3	\$ 1,960	\$ 644	\$ 186	\$ 2,604
8	10"x10" Volume Damper	2	0%	2	EA	0.381	\$ 140.00	\$ 46.00	0.8	\$ 280	\$ 92	\$ 186	\$ 372
9	12"x10" Volume Damper	5	0%	5	EA	0.444	\$ 213.00	\$ 53.00	2.2	\$ 1,065	\$ 265	\$ 266	\$ 1,330



10	12"x6" Volume Damper	10	0%	10	EA	0.444	\$ 213.00	\$ 53.00	4.4	\$ 2,130	\$ 530	\$ 266	\$ 2,660
11	12"x8" Volume Damper	4	0%	4	EA	0.444	\$ 213.00	\$ 53.00	1.8	\$ 852	\$ 212	\$ 266	\$ 1,064
12	16"x10" Volume Damper	1	0%	1	EA	0.500	\$ 167.00	\$ 60.00	0.5	\$ 167	\$ 60	\$ 227	\$ 227
13	16"x6" Volume Damper	8	0%	8	EA	0.500	\$ 167.00	\$ 60.00	4.0	\$ 1,336	\$ 480	\$ 227	\$ 1,816
14	18"x8" Volume Damper	1	0%	1	EA	0.571	\$ 252.00	\$ 68.00	0.6	\$ 252	\$ 68	\$ 320	\$ 320
15	22"x14" Volume Damper	2	0%	2	EA	0.571	\$ 252.00	\$ 68.00	1.1	\$ 504	\$ 136	\$ 320	\$ 640
16	24"x18" Volume Damper	1	0%	1	EA	0.571	\$ 252.00	\$ 68.00	0.6	\$ 252	\$ 68	\$ 320	\$ 320
17	30"x8" Volume Damper	1	0%	1	EA	0.571	\$ 252.00	\$ 68.00	0.6	\$ 252	\$ 68	\$ 320	\$ 320
18	5"x4" Fusible Link Fire Damper W/ Access Door	1	0%	1	EA	0.364	\$ 144.00	\$ 44.00	0.4	\$ 144	\$ 44	\$ 188	\$ 188
19	6"x6" Fusible Link Fire Damper W/ Access Door	10	0%	10	EA	0.364	\$ 144.00	\$ 44.00	3.6	\$ 1,440	\$ 440	\$ 188	\$ 1,880
20	8"x6" Fusible Link Fire Damper W/ Access Door	2	0%	2	EA	0.364	\$ 144.00	\$ 44.00	0.7	\$ 288	\$ 88	\$ 188	\$ 376
21	8"x8" Fusible Link Fire Damper W/ Access Door	1	0%	1	EA	0.364	\$ 144.00	\$ 44.00	0.4	\$ 144	\$ 44	\$ 188	\$ 188
22	10"x6" Fusible Link Fire Damper W/ Access Door	3	0%	3	EA	0.364	\$ 144.00	\$ 44.00	1.1	\$ 432	\$ 132	\$ 188	\$ 564
23	10"x10" Fusible Link Fire Damper W/ Access Door	4	0%	4	EA	0.381	\$ 140.00	\$ 46.00	1.5	\$ 560	\$ 184	\$ 186	\$ 744
24	10"x8" Fusible Link Fire Damper W/ Access Door	2	0%	2	EA	0.381	\$ 140.00	\$ 46.00	0.8	\$ 280	\$ 92	\$ 186	\$ 372
25	12"x10" Fusible Link Fire Damper W/ Access Door	10	0%	10	EA	0.381	\$ 140.00	\$ 46.00	3.8	\$ 1,400	\$ 460	\$ 186	\$ 1,860
26	12"x6" Fusible Link Fire Damper W/ Access Door	1	0%	1	EA	0.444	\$ 213.00	\$ 53.00	0.4	\$ 213	\$ 53	\$ 266	\$ 266
27	14"x10" Fusible Link Fire Damper W/ Access Door	2	0%	2	EA	0.444	\$ 213.00	\$ 53.00	0.9	\$ 426	\$ 106	\$ 266	\$ 532
28	16"x10" Fusible Link Fire Damper W/ Access Door	1	0%	1	EA	0.444	\$ 213.00	\$ 53.00	0.4	\$ 213	\$ 53	\$ 266	\$ 266
29	18"x12" Fusible Link Fire Damper W/ Access Door	1	0%	1	EA	0.500	\$ 167.00	\$ 60.00	0.5	\$ 167	\$ 60	\$ 227	\$ 227
30	20"x16" Fusible Link Fire Damper W/ Access Door	1	0%	1	EA	0.500	\$ 167.00	\$ 60.00	0.5	\$ 167	\$ 60	\$ 227	\$ 227
31	20"x20" Fusible Link Fire Damper W/ Access Door	1	0%	1	EA	0.571	\$ 252.00	\$ 68.00	0.6	\$ 252	\$ 68	\$ 320	\$ 320
32	30"x8" Fusible Link Fire Damper W/ Access Door	1	0%	1	EA	0.571	\$ 252.00	\$ 68.00	0.6	\$ 252	\$ 68	\$ 320	\$ 320
33	8"x6" Fire Smoke Damper W/ Fusible Link & Access Door	2	0%	2	EA	0.571	\$ 252.00	\$ 68.00	1.1	\$ 504	\$ 136	\$ 320	\$ 640
34	10"x10" Fire Smoke Damper W/ Fusible Link & Access Door	1	0%	1	EA	0.571	\$ 252.00	\$ 68.00	0.6	\$ 252	\$ 68	\$ 320	\$ 320
35	22"x14" Fire Smoke Damper W/ Fusible Link & Access Door	2	0%	2	EA	0.700	\$ 312.00	\$ 95.00	1.4	\$ 624	\$ 190	\$ 407	\$ 814
36	24"x20" Fire Smoke Damper W/ Fusible Link & Access Door	1	0%	1	EA	0.700	\$ 312.00	\$ 95.00	0.7	\$ 312	\$ 95	\$ 407	\$ 407
37	26"x24" Fire Smoke Damper W/ Fusible Link & Access Door	2	0%	2	EA	0.700	\$ 312.00	\$ 95.00	1.4	\$ 624	\$ 190	\$ 407	\$ 814
38	28"x24" Fire Smoke Damper W/ Fusible Link & Access Door	2	0%	2	EA	0.700	\$ 312.00	\$ 95.00	1.4	\$ 624	\$ 190	\$ 407	\$ 814
39	30"x18" Fire Smoke Damper W/ Fusible Link & Access Door	1	0%	1	EA	0.750	\$ 335.00	\$ 100.00	0.8	\$ 335	\$ 100	\$ 435	\$ 435
40	32"x28" Fire Smoke Damper W/ Fusible Link & Access Door	1	0%	1	EA	0.750	\$ 335.00	\$ 100.00	0.8	\$ 335	\$ 100	\$ 435	\$ 435
41	34"x18" Fire Smoke Damper W/ Fusible Link & Access Door	1	0%	1	EA	0.750	\$ 335.00	\$ 100.00	0.8	\$ 335	\$ 100	\$ 435	\$ 435
42	40"x18" Fire Smoke Damper W/ Fusible Link & Access Door	1	0%	1	EA	0.750	\$ 335.00	\$ 100.00	0.8	\$ 335	\$ 100	\$ 435	\$ 435
43	4'-0"x3'-0" Fire Smoke Damper W/ Fusible Link & Access Door	1	0%	1	EA	0.750	\$ 335.00	\$ 100.00	0.8	\$ 335	\$ 100	\$ 435	\$ 435
44	5"x4" Automatic Louvered Damper	1	0%	1	EA	0.800	\$ 206.00	\$ 92.00	0.8	\$ 206	\$ 92	\$ 298	\$ 298
45	6"x6" Automatic Louvered Damper	3	0%	3	EA	0.800	\$ 206.00	\$ 92.00	2.4	\$ 618	\$ 276	\$ 298	\$ 894
46	8"x6" Automatic Louvered Damper	1	0%	1	EA	0.800	\$ 206.00	\$ 92.00	0.8	\$ 206	\$ 92	\$ 298	\$ 298
47	12"x8" Automatic Louvered Damper	1	0%	1	EA	0.900	\$ 278.00	\$ 102.00	0.9	\$ 278	\$ 102	\$ 380	\$ 380
48	14"x12" Automatic Louvered Damper	4	0%	4	EA	0.900	\$ 278.00	\$ 102.00	3.6	\$ 1,112	\$ 408	\$ 380	\$ 1,520
49	16"x10" Automatic Louvered Damper	1	0%	1	EA	0.900	\$ 278.00	\$ 102.00	0.9	\$ 278	\$ 102	\$ 380	\$ 380
50	18"x10" Automatic Louvered Damper	2	0%	2	EA	0.900	\$ 278.00	\$ 102.00	1.8	\$ 556	\$ 204	\$ 380	\$ 760
51	20"x10" Automatic Louvered Damper	1	0%	1	EA	1.000	\$ 375.00	\$ 120.00	1.0	\$ 375	\$ 120	\$ 495	\$ 495
52	22"x14" Automatic Louvered Damper	2	0%	2	EA	1.000	\$ 375.00	\$ 120.00	2.0	\$ 750	\$ 240	\$ 495	\$ 990
53	22"x16" Automatic Louvered Damper	1	0%	1	EA	1.000	\$ 375.00	\$ 120.00	1.0	\$ 375	\$ 120	\$ 495	\$ 495
54	40"x20" Automatic Louvered Damper	2	0%	2	EA	1.500	\$ 412.00	\$ 146.00	3.0	\$ 824	\$ 292	\$ 558	\$ 1,116

55	54 SQ.FT Automatic Louvered Damper	1	0%	1	EA	0.727	\$ 244.00	\$ 87.00	0.7	\$ 244	\$ 87	\$ 331	\$ 331
56	81 SQ.FT Automatic Louvered Damper	1	0%	1	EA	0.727	\$ 244.00	\$ 87.00	0.7	\$ 244	\$ 87	\$ 331	\$ 331
57	10"x12" Gravity Damper	1	0%	1	EA	0.444	\$ 213.00	\$ 53.00	0.4	\$ 213	\$ 53	\$ 266	\$ 266
58	20"x20" Smoke Damper	1	0%	1	EA	0.700	\$ 312.00	\$ 95.00	0.7	\$ 312	\$ 95	\$ 407	\$ 407
<b>VFDs</b>													
1	VFD	10	0%	10	EA	2.000	\$ 260.00	\$ 212.00	20.0	\$ 2,600	\$ 2,120	\$ 472	\$ 4,720
<b>PLENUMS</b>													
1	10'-0" Wx 8"Hx12"D Plenum	1	0%	1	EA	1.500	\$ 182.00	\$ 155.00	1.5	\$ 182	\$ 155	\$ 337	\$ 337
2	150"Wx132"Hx36"D Exhaust Plenum	1	0%	1	EA	1.000	\$ 166.00	\$ 116.00	1.0	\$ 166	\$ 116	\$ 282	\$ 282
3	220"Wx132"Hx36"D Intake Plenum	1	0%	1	EA	1.300	\$ 150.00	\$ 140.00	1.3	\$ 150	\$ 140	\$ 290	\$ 290
4	4'-0" Lx 8"Hx4"W Plenum	10	0%	10	EA	1.000	\$ 192.00	\$ 116.00	10.0	\$ 1,920	\$ 1,160	\$ 308	\$ 3,080
5	4'-0"Lx3'-0"Dx2'-0"H Plenum	1	0%	1	EA	1.000	\$ 181.00	\$ 116.00	1.0	\$ 181	\$ 116	\$ 297	\$ 297
6	5'-0" Lx 8"Hx4"W Plenum	32	0%	32	EA	1.000	\$ 225.00	\$ 116.00	32.0	\$ 7,200	\$ 3,712	\$ 341	\$ 10,912
7	68"Wx16"Hx36"D Exhaust Plenum	1	0%	1	EA	0.600	\$ 133.00	\$ 75.00	0.6	\$ 133	\$ 75	\$ 208	\$ 208
8	72"Wx30"Hx36"D OA Intake Plenum	1	0%	1	EA	0.850	\$ 166.00	\$ 92.00	0.9	\$ 166	\$ 92	\$ 258	\$ 258
9	Outside Air Plenum	1	0%	1	EA	1.000	\$ 144.00	\$ 116.00	1.0	\$ 144	\$ 116	\$ 260	\$ 260
10	Water Tight Exhaust Plenum (Stainless Steel)	6	0%	6	EA	1.000	\$ 144.00	\$ 116.00	6.0	\$ 864	\$ 696	\$ 260	\$ 1,560
11	0.5 SF NFA Vent Plenum	2	0%	2	EA	1.000	\$ 144.00	\$ 116.00	2.0	\$ 288	\$ 232	\$ 260	\$ 520
12	3 SF NFA Vent Plenum	2	0%	2	EA	1.000	\$ 144.00	\$ 116.00	2.0	\$ 288	\$ 232	\$ 260	\$ 520
13	7 SF NFA Vent Plenum	1	0%	1	EA	1.000	\$ 144.00	\$ 116.00	1.0	\$ 144	\$ 116	\$ 260	\$ 260
<b>WIRE MESH SCREEN</b>													
1	12"x8" Wire Mesh Screen	1	0%	1	EA	1.000	\$ 168.00	\$ 116.00	1.0	\$ 168	\$ 116	\$ 284	\$ 284
2	16"x10" Wire Mesh Screen	1	0%	1	EA	1.500	\$ 242.00	\$ 149.00	1.5	\$ 242	\$ 149	\$ 391	\$ 391
3	16"x8" Wire Mesh Screen	1	0%	1	EA	1.500	\$ 242.00	\$ 149.00	1.5	\$ 242	\$ 149	\$ 391	\$ 391
4	18"x8" Wire Mesh Screen	2	0%	2	EA	2.000	\$ 304.00	\$ 212.00	4.0	\$ 608	\$ 424	\$ 516	\$ 1,032
5	18"x10" Wire Mesh Screen	3	0%	3	EA	2.000	\$ 304.00	\$ 212.00	6.0	\$ 912	\$ 636	\$ 516	\$ 1,548
6	22"x14" Wire Mesh Screen	4	0%	4	EA	2.500	\$ 464.00	\$ 266.00	10.0	\$ 1,856	\$ 1,064	\$ 730	\$ 2,920
7	24"x20" Wire Mesh Screen	2	0%	2	EA	3.000	\$ 512.00	\$ 340.00	6.0	\$ 1,024	\$ 680	\$ 852	\$ 1,704
8	4'-0"x3'-0" Wire Mesh Screen	1	0%	1	EA	4.000	\$ 643.00	\$ 419.00	4.0	\$ 643	\$ 419	\$ 1,062	\$ 1,062
<b>DUCT CAPS</b>													
1	10"x10" Duct Cap	1	0%	1	EA	0.300	\$ 80.00	\$ 42.00	0.3	\$ 80	\$ 42	\$ 122	\$ 122
2	12"x10" Duct Cap	1	0%	1	EA	0.500	\$ 114.00	\$ 59.00	0.5	\$ 114	\$ 59	\$ 173	\$ 173
3	28"x24" Duct Cap	2	0%	2	EA	1.200	\$ 139.00	\$ 126.00	2.4	\$ 278	\$ 252	\$ 265	\$ 530
4	28"X28" Duct Cap	2	0%	2	EA	1.200	\$ 166.00	\$ 126.00	2.4	\$ 332	\$ 252	\$ 292	\$ 584
5	32"x28" Duct Cap	1	0%	1	EA	1.500	\$ 190.00	\$ 149.00	1.5	\$ 190	\$ 149	\$ 339	\$ 339
6	44"x22" Duct CaP	1	0%	1	EA	2.000	\$ 231.00	\$ 202.00	2.0	\$ 231	\$ 202	\$ 433	\$ 433
<b>MISCELLANEOUS</b>													
1	Thermostat	18	0%	18	EA	0.500	\$ 84.00	\$ 56.00	9.0	\$ 1,512	\$ 1,008	\$ 140	\$ 2,520
2	Duct Mounted Smoke Detector	10	0%	10	EA	1.500	\$ 316.00	\$ 149.00	15.0	\$ 3,160	\$ 1,490	\$ 465	\$ 4,650
3	BMS Control Panel	1	0%	1	EA	2.000	\$ 563.00	\$ 212.00	2.0	\$ 563	\$ 212	\$ 775	\$ 775

4	55 Gallon Drum	1	0%	1	EA	10.000	\$ 3,250.00	\$1,090.00	10.0	\$ 3,250	\$ 1,090	\$ 4,340	\$ 4,340	
5	6" Dia Goose Neck	3	0%	3	EA	1.000	\$ 160.00	\$ 116.00	3.0	\$ 480	\$ 348	\$ 276	\$ 828	
6	24"x25" Discharge Hood	17	0%	17	EA	5.000	\$ 1,250.00	\$ 563.00	85.0	\$ 21,250	\$ 9,571	\$ 1,813	\$ 30,821	
<b>WEIGHT</b>														
1	Galvanized Sheet Metal Duct	65747	0%	65747	LB	0.084	\$ 0.71	\$ 9.41	5522.7	\$ 46,680	\$ 618,679	\$ 10	\$ 665,360	
<b>INSULATION</b>														
1	1.5" Thick Density Glass Fiber Blanket (Assumed)	25908	0%	25908	SQFT	0.048	\$ 0.35	\$ 4.58	1243.6	\$ 9,068	\$ 118,659	\$ 5	\$ 127,726	
2	3" Thick 3/4 lb. Density Glass Fiber Blanket (Engine Exhaust) (Material Assumed)	94	0%	94	SQFT	0.065	\$ 2.20	\$ 9.00	6.1	\$ 207	\$ 846	\$ 11	\$ 1,053	
3	Fire Rated Enclosure 2-HR (Details Not Given)	10257	0%	10257	SQFT	0.052	\$ 0.46	\$ 4.87	533.4	\$ 4,718	\$ 49,952	\$ 5	\$ 54,670	
<b>PIPE SUPPORT</b>														
1	1/4" Dia Adjustable Clevis Hanger	95	0%	95	EA	0.115	\$ 1.50	\$ 8.66	10.9	\$ 143	\$ 823	\$ 10	\$ 965	
2	1/2" Dia Adjustable Clevis Hanger	243	0%	243	EA	0.117	\$ 1.59	\$ 9.11	28.4	\$ 386	\$ 2,214	\$ 11	\$ 2,600	
3	3/4" Dia Adjustable Clevis Hanger	310	0%	310	EA	0.119	\$ 1.48	\$ 9.24	36.9	\$ 459	\$ 2,864	\$ 11	\$ 3,323	
4	3/8" Dia Adjustable Clevis Hanger	250	0%	250	EA	0.120	\$ 1.60	\$ 9.70	30.0	\$ 400	\$ 2,425	\$ 11	\$ 2,825	
5	5/8" Dia Adjustable Clevis Hanger	313	0%	313	EA	0.122	\$ 1.69	\$ 10.10	38.2	\$ 529	\$ 3,161	\$ 12	\$ 3,690	
6	7/8" Dia Adjustable Clevis Hanger	40	0%	40	EA	0.126	\$ 1.80	\$ 10.50	5.0	\$ 72	\$ 420	\$ 12	\$ 492	
7	1" Dia Adjustable Clevis Hanger	38	0%	38	EA	0.118	\$ 1.55	\$ 9.16	4.5	\$ 59	\$ 348	\$ 11	\$ 407	
8	1-1/2" Dia Adjustable Clevis Hanger	19	0%	19	EA	0.127	\$ 1.77	\$ 9.94	2.4	\$ 34	\$ 189	\$ 12	\$ 222	
9	1-1/4" Dia Adjustable Clevis Hanger	81	0%	81	EA	0.121	\$ 1.52	\$ 9.49	9.8	\$ 123	\$ 769	\$ 11	\$ 892	
10	1-1/8" Dia Adjustable Clevis Hanger	327	0%	327	EA	0.121	\$ 1.52	\$ 9.49	39.6	\$ 497	\$ 3,103	\$ 11	\$ 3,600	
11	1-3/8" Dia Adjustable Clevis Hanger	16	0%	16	EA	0.121	\$ 1.52	\$ 9.49	1.9	\$ 24	\$ 152	\$ 11	\$ 176	
12	2" Dia Adjustable Clevis Hanger	20	0%	20	EA	0.129	\$ 2.11	\$ 10.07	2.6	\$ 42	\$ 201	\$ 12	\$ 244	
13	3" Dia Adjustable Clevis Hanger	3	0%	3	EA	0.137	\$ 4.10	\$ 10.71	0.4	\$ 12	\$ 32	\$ 15	\$ 44	
14	4" Dia Adjustable Clevis Hanger	8	0%	8	EA	0.145	\$ 5.07	\$ 11.35	1.2	\$ 41	\$ 91	\$ 16	\$ 131	
15	12" Dia Adjustable Clevis Hanger	11	0%	11	EA	0.300	\$ 9.60	\$ 18.50	3.3	\$ 106	\$ 204	\$ 28	\$ 309	
16	3/8" Dia Threaded Rod (1 Ea = 1 FT)	1732	0%	1732	EA	0.167	\$ 5.02	\$ 14.50	289.2	\$ 8,695	\$ 25,114	\$ 20	\$ 33,809	
17	5/8" Dia Threaded Rod (1 Ea = 1 FT)	31	0%	31	EA	0.170	\$ 8.60	\$ 16.80	5.3	\$ 267	\$ 521	\$ 25	\$ 787	
18	1/2" Dia Threaded Rod (1 Ea = 1 FT)	11	0%	11	EA	0.168	\$ 7.50	\$ 15.40	1.8	\$ 83	\$ 169	\$ 23	\$ 252	
<b>DUCT SUPPORT</b>														
1	3/8" Threaded Rod	3060	0%	3060	EA	0.167	\$ 6.80	\$ 11.00	511.0	\$ 20,808	\$ 33,660	\$ 18	\$ 54,468	
2	1" x 22 Ga. Strap	1530	0%	1530	EA	0.117	\$ 5.20	\$ 8.00	179.0	\$ 7,956	\$ 12,240	\$ 13	\$ 20,196	
<b>ALLOWANCE</b>														
1	Mobilization & De-Mobilization	1	0%	1	LS	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -	
2	Crane Services/ Transportation	1	0%	1	LS	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -	
<b>TOTAL MATERIAL COST</b>											<b>\$ 1,139,230</b>			
<b>TOTAL LABOR COST</b>											<b>\$ 1,803,585</b>			
<b>TOTAL COST</b>											<b>\$ 2,942,816</b>			
<b>OVERHEADS &amp; PROFIT</b>											<b>25%</b>		<b>\$ 735,704</b>	
<b>TOTAL BID</b>											<b>\$ 3,678,520</b>			