

PROJECT:

ADDRESS:

REV: 0

SM LABOR RATE \$ 125.72

INS LABOR RATE \$ 117.68

PIPE LABOR RATE \$ 123.52

SR. NO.	DESCRIPTION	QUANTITY	WASTAGE	QTY WITH WASTAGE	UNIT	UNIT COST	MATERIAL COST	LABOR RATE	LABOR HOURS	LABOR COST	TOTAL COST
HVAC ESTIMATE											
NEW WORK											
FLEXIBLE DUCT											
1	6" Dia Flexible Duct	195	10%	215	LFT	\$ 2.46	\$ 528	\$ 126	13	\$ 1,618	\$ 2,146
2	8" Dia Flexible Duct	496	10%	546	LFT	\$ 2.78	\$ 1,517	\$ 126	33	\$ 4,116	\$ 5,632
3	10" Dia Flexible Duct	914	10%	1005	LFT	\$ 3.22	\$ 3,237	\$ 126	80	\$ 10,112	\$ 13,349
4	12" Dia Flexible Duct	75	10%	83	LFT	\$ 4.32	\$ 356	\$ 126	7	\$ 933	\$ 1,290
5	14" Dia Flexible Duct	34	10%	37	LFT	\$ 6.33	\$ 237	\$ 126	4	\$ 470	\$ 707
6	16" Dia Flexible Duct	25	10%	28	LFT	\$ 8.78	\$ 241	\$ 126	3	\$ 415	\$ 656
AIR DEVICES											
1	Ceiling Mounted Supply Diffuser, BASIS OF DESIGN "PRICE", 6" Dia Neck Size, 45 CFM	2	0%	2	EA		\$ -	\$ 124	2	\$ 198	\$ 198
2	Ceiling Mounted Supply Diffuser, BASIS OF DESIGN "PRICE", 6" Dia Neck Size, 50 CFM	35	0%	35	EA		\$ -	\$ 124	28	\$ 3,459	\$ 3,459
3	Ceiling Mounted Supply Diffuser, BASIS OF DESIGN "PRICE", 6" Dia Neck Size, 60 CFM	4	0%	4	EA		\$ -	\$ 124	3	\$ 395	\$ 395
4	Ceiling Mounted Supply Diffuser, BASIS OF DESIGN "PRICE", 6" Dia Neck Size, 65 CFM	2	0%	2	EA		\$ -	\$ 124	2	\$ 198	\$ 198
5	Ceiling Mounted Supply Diffuser, BASIS OF DESIGN "PRICE", 6" Dia Neck Size, 70 CFM	2	0%	2	EA		\$ -	\$ 124	2	\$ 198	\$ 198
6	Ceiling Mounted Supply Diffuser, BASIS OF DESIGN "PRICE", 6" Dia Neck Size, 75 CFM	3	0%	3	EA		\$ -	\$ 124	2	\$ 296	\$ 296
7	Ceiling Mounted Supply Diffuser, BASIS OF DESIGN "PRICE", 6" Dia Neck Size, 80 CFM	2	0%	2	EA		\$ -	\$ 124	2	\$ 198	\$ 198
8	Ceiling Mounted Supply Diffuser, BASIS OF DESIGN "PRICE", 6" Dia Neck Size, 85 CFM	7	0%	7	EA		\$ -	\$ 124	6	\$ 692	\$ 692
9	Ceiling Mounted Supply Diffuser, BASIS OF DESIGN "PRICE", 6" Dia Neck Size, 90 CFM	1	0%	1	EA		\$ -	\$ 124	1	\$ 99	\$ 99
10	Ceiling Mounted Supply Diffuser, BASIS OF DESIGN "PRICE", 6" Dia Neck Size, 95 CFM	2	0%	2	EA		\$ -	\$ 124	2	\$ 198	\$ 198
11	Ceiling Mounted Supply Diffuser, BASIS OF DESIGN "PRICE", 6" Dia Neck Size, 100 CFM	2	0%	2	EA		\$ -	\$ 124	2	\$ 198	\$ 198
12	Ceiling Mounted Supply Diffuser, BASIS OF DESIGN "PRICE", 6" Dia Neck Size, 115 CFM	5	0%	5	EA		\$ -	\$ 124	4	\$ 494	\$ 494
13	Ceiling Mounted Supply Diffuser, BASIS OF DESIGN "PRICE", 8" Dia Neck Size, 50 CFM	2	0%	2	EA		\$ -	\$ 124	2	\$ 198	\$ 198
14	Ceiling Mounted Supply Diffuser, BASIS OF DESIGN "PRICE", 8" Dia Neck Size, 55 CFM	2	0%	2	EA		\$ -	\$ 124	2	\$ 198	\$ 198
15	Ceiling Mounted Supply Diffuser, BASIS OF DESIGN "PRICE", 8" Dia Neck Size, 90 CFM	1	0%	1	EA		\$ -	\$ 124	1	\$ 99	\$ 99
16	Ceiling Mounted Supply Diffuser, BASIS OF DESIGN "PRICE", 8" Dia Neck Size, 105 CFM	6	0%	6	EA		\$ -	\$ 124	5	\$ 593	\$ 593
17	Ceiling Mounted Supply Diffuser, BASIS OF DESIGN "PRICE", 8" Dia Neck Size, 110 CFM	4	0%	4	EA		\$ -	\$ 124	3	\$ 395	\$ 395
18	Ceiling Mounted Supply Diffuser, BASIS OF DESIGN "PRICE", 8" Dia Neck Size, 115 CFM	5	0%	5	EA		\$ -	\$ 124	4	\$ 494	\$ 494
19	Ceiling Mounted Supply Diffuser, BASIS OF DESIGN "PRICE", 8" Dia Neck Size, 120 CFM	10	0%	10	EA		\$ -	\$ 124	8	\$ 988	\$ 988
20	Ceiling Mounted Supply Diffuser, BASIS OF DESIGN "PRICE", 8" Dia Neck Size, 125 CFM	19	0%	19	EA		\$ -	\$ 124	15	\$ 1,878	\$ 1,878
21	Ceiling Mounted Supply Diffuser, BASIS OF DESIGN "PRICE", 8" Dia Neck Size, 130 CFM	11	0%	11	EA		\$ -	\$ 124	9	\$ 1,087	\$ 1,087
22	Ceiling Mounted Supply Diffuser, BASIS OF DESIGN "PRICE", 8" Dia Neck Size, 135 CFM	8	0%	8	EA		\$ -	\$ 124	6	\$ 791	\$ 791
23	Ceiling Mounted Supply Diffuser, BASIS OF DESIGN "PRICE", 8" Dia Neck Size, 140 CFM	6	0%	6	EA		\$ -	\$ 124	5	\$ 593	\$ 593
24	Ceiling Mounted Supply Diffuser, BASIS OF DESIGN "PRICE", 8" Dia Neck Size, 145 CFM	5	0%	5	EA		\$ -	\$ 124	4	\$ 494	\$ 494
25	Ceiling Mounted Supply Diffuser, BASIS OF DESIGN "PRICE", 8" Dia Neck Size, 150 CFM	3	0%	3	EA		\$ -	\$ 124	2	\$ 296	\$ 296
26	Ceiling Mounted Supply Diffuser, BASIS OF DESIGN "PRICE", 8" Dia Neck Size, 155 CFM	1	0%	1	EA		\$ -	\$ 124	1	\$ 99	\$ 99
27	Ceiling Mounted Supply Diffuser, BASIS OF DESIGN "PRICE", 8" Dia Neck Size, 160 CFM	4	0%	4	EA		\$ -	\$ 124	3	\$ 395	\$ 395
28	Ceiling Mounted Supply Diffuser, BASIS OF DESIGN "PRICE", 8" Dia Neck Size, 165 CFM	2	0%	2	EA		\$ -	\$ 124	2	\$ 198	\$ 198
29	Ceiling Mounted Supply Diffuser, BASIS OF DESIGN "PRICE", 8" Dia Neck Size, 170 CFM	4	0%	4	EA		\$ -	\$ 124	3	\$ 395	\$ 395
30	Ceiling Mounted Supply Diffuser, BASIS OF DESIGN "PRICE", 8" Dia Neck Size, 175 CFM	3	0%	3	EA		\$ -	\$ 124	2	\$ 296	\$ 296

31	Ceiling Mounted Supply Diffuser, BASIS OF DESIGN "PRICE", 8" Dia Neck Size, 180 CFM	2	0%	2	EA		\$ -	\$ 124	2	\$ 198	\$ 198
32	Ceiling Mounted Supply Diffuser, BASIS OF DESIGN "PRICE", 8" Dia Neck Size, 185 CFM	5	0%	5	EA		\$ -	\$ 124	4	\$ 494	\$ 494
33	Ceiling Mounted Supply Diffuser, BASIS OF DESIGN "PRICE", 8" Dia Neck Size, 190 CFM	8	0%	8	EA		\$ -	\$ 124	6	\$ 791	\$ 791
34	Ceiling Mounted Supply Diffuser, BASIS OF DESIGN "PRICE", 8" Dia Neck Size, 200 CFM	2	0%	2	EA		\$ -	\$ 124	2	\$ 198	\$ 198
35	Ceiling Mounted Supply Diffuser, BASIS OF DESIGN "PRICE", 8" Dia Neck Size, 210 CFM	2	0%	2	EA		\$ -	\$ 124	2	\$ 198	\$ 198
36	Ceiling Mounted Supply Diffuser, BASIS OF DESIGN "PRICE", 8" Dia Neck Size, 270 CFM	2	0%	2	EA		\$ -	\$ 124	2	\$ 198	\$ 198
37	Ceiling Mounted Supply Diffuser, BASIS OF DESIGN "PRICE", 8" Dia Neck Size, 295 CFM	2	0%	2	EA		\$ -	\$ 124	2	\$ 198	\$ 198
38	Ceiling Mounted Supply Diffuser, BASIS OF DESIGN "PRICE", 8"x6" Neck Size, 120 CFM	1	0%	1	EA		\$ -	\$ 124	1	\$ 99	\$ 99
39	Ceiling Mounted Supply Diffuser, BASIS OF DESIGN "PRICE", 10" Dia Neck Size, 135 CFM	1	0%	1	EA		\$ -	\$ 124	1	\$ 99	\$ 99
40	Ceiling Mounted Supply Diffuser, BASIS OF DESIGN "PRICE", 10" Dia Neck Size, 205 CFM	9	0%	9	EA		\$ -	\$ 124	7	\$ 889	\$ 889
41	Ceiling Mounted Supply Diffuser, BASIS OF DESIGN "PRICE", 10" Dia Neck Size, 210 CFM	11	0%	11	EA		\$ -	\$ 124	9	\$ 1,087	\$ 1,087
42	Ceiling Mounted Supply Diffuser, BASIS OF DESIGN "PRICE", 10" Dia Neck Size, 215 CFM	1	0%	1	EA		\$ -	\$ 124	1	\$ 99	\$ 99
43	Ceiling Mounted Supply Diffuser, BASIS OF DESIGN "PRICE", 10" Dia Neck Size, 220 CFM	4	0%	4	EA		\$ -	\$ 124	3	\$ 395	\$ 395
44	Ceiling Mounted Supply Diffuser, BASIS OF DESIGN "PRICE", 10" Dia Neck Size, 230 CFM	20	0%	20	EA		\$ -	\$ 124	16	\$ 1,976	\$ 1,976
45	Ceiling Mounted Supply Diffuser, BASIS OF DESIGN "PRICE", 10" Dia Neck Size, 235 CFM	6	0%	6	EA		\$ -	\$ 124	5	\$ 593	\$ 593
46	Ceiling Mounted Supply Diffuser, BASIS OF DESIGN "PRICE", 10" Dia Neck Size, 240 CFM	5	0%	5	EA		\$ -	\$ 124	4	\$ 494	\$ 494
47	Ceiling Mounted Supply Diffuser, BASIS OF DESIGN "PRICE", 10" Dia Neck Size, 245 CFM	6	0%	6	EA		\$ -	\$ 124	5	\$ 593	\$ 593
48	Ceiling Mounted Supply Diffuser, BASIS OF DESIGN "PRICE", 10" Dia Neck Size, 250 CFM	24	0%	24	EA		\$ -	\$ 124	19	\$ 2,372	\$ 2,372
49	Ceiling Mounted Supply Diffuser, BASIS OF DESIGN "PRICE", 10" Dia Neck Size, 255 CFM	9	0%	9	EA		\$ -	\$ 124	7	\$ 889	\$ 889
50	Ceiling Mounted Supply Diffuser, BASIS OF DESIGN "PRICE", 10" Dia Neck Size, 260 CFM	16	0%	16	EA		\$ -	\$ 124	13	\$ 1,581	\$ 1,581
51	Ceiling Mounted Supply Diffuser, BASIS OF DESIGN "PRICE", 10" Dia Neck Size, 265 CFM	42	0%	42	EA		\$ -	\$ 124	34	\$ 4,150	\$ 4,150
52	Ceiling Mounted Supply Diffuser, BASIS OF DESIGN "PRICE", 10" Dia Neck Size, 270 CFM	14	0%	14	EA		\$ -	\$ 124	11	\$ 1,383	\$ 1,383
53	Ceiling Mounted Supply Diffuser, BASIS OF DESIGN "PRICE", 10" Dia Neck Size, 275 CFM	8	0%	8	EA		\$ -	\$ 124	6	\$ 791	\$ 791
54	Ceiling Mounted Supply Diffuser, BASIS OF DESIGN "PRICE", 10" Dia Neck Size, 280 CFM	6	0%	6	EA		\$ -	\$ 124	5	\$ 593	\$ 593
55	Ceiling Mounted Supply Diffuser, BASIS OF DESIGN "PRICE", 10" Dia Neck Size, 285 CFM	14	0%	14	EA		\$ -	\$ 124	11	\$ 1,383	\$ 1,383
56	Ceiling Mounted Supply Diffuser, BASIS OF DESIGN "PRICE", 10" Dia Neck Size, 290 CFM	33	0%	33	EA		\$ -	\$ 124	26	\$ 3,261	\$ 3,261
57	Ceiling Mounted Supply Diffuser, BASIS OF DESIGN "PRICE", 10" Dia Neck Size, 295 CFM	8	0%	8	EA		\$ -	\$ 124	6	\$ 791	\$ 791
58	Ceiling Mounted Supply Diffuser, BASIS OF DESIGN "PRICE", 10" Dia Neck Size, 300 CFM	27	0%	27	EA		\$ -	\$ 124	22	\$ 2,668	\$ 2,668
59	Ceiling Mounted Supply Diffuser, BASIS OF DESIGN "PRICE", 12" Dia Neck Size, 270 CFM	1	0%	1	EA		\$ -	\$ 124	1	\$ 111	\$ 111
60	Ceiling Mounted Supply Diffuser, BASIS OF DESIGN "PRICE", 12" Dia Neck Size, 305 CFM	1	0%	1	EA		\$ -	\$ 124	1	\$ 111	\$ 111
61	Ceiling Mounted Supply Diffuser, BASIS OF DESIGN "PRICE", 12" Dia Neck Size, 310 CFM	9	0%	9	EA		\$ -	\$ 124	8	\$ 1,001	\$ 1,001
62	Ceiling Mounted Supply Diffuser, BASIS OF DESIGN "PRICE", 12" Dia Neck Size, 320 CFM	2	0%	2	EA		\$ -	\$ 124	2	\$ 222	\$ 222
63	Ceiling Mounted Supply Diffuser, BASIS OF DESIGN "PRICE", 12" Dia Neck Size, 325 CFM	4	0%	4	EA		\$ -	\$ 124	4	\$ 445	\$ 445
64	Ceiling Mounted Supply Diffuser, BASIS OF DESIGN "PRICE", 12" Dia Neck Size, 350 CFM	4	0%	4	EA		\$ -	\$ 124	4	\$ 445	\$ 445
65	Ceiling Mounted Supply Diffuser, BASIS OF DESIGN "PRICE", 12" Dia Neck Size, 365 CFM	1	0%	1	EA		\$ -	\$ 124	1	\$ 111	\$ 111
66	Ceiling Mounted Supply Diffuser, BASIS OF DESIGN "PRICE", 12" Dia Neck Size, 385 CFM	1	0%	1	EA		\$ -	\$ 124	1	\$ 111	\$ 111
67	Ceiling Mounted Supply Diffuser, BASIS OF DESIGN "PRICE", 12" Dia Neck Size, 395 CFM	1	0%	1	EA		\$ -	\$ 124	1	\$ 111	\$ 111
68	Ceiling Mounted Supply Diffuser, BASIS OF DESIGN "PRICE", 14" Dia Neck Size, 500 CFM	6	0%	6	EA		\$ -	\$ 124	5	\$ 667	\$ 667
69	Ceiling Mounted Supply Diffuser, BASIS OF DESIGN "PRICE", 16" Dia Neck Size, 1250 CFM	6	0%	6	EA		\$ -	\$ 124	5	\$ 667	\$ 667
70	Ceiling Mounted Supply Diffuser, BASIS OF DESIGN "PRICE", 16" Dia Neck Size, 675 CFM	2	0%	2	EA		\$ -	\$ 124	2	\$ 222	\$ 222

71	Wall Mounted Supply Grille, BASIS OF DESIGN "PRICE", 6"x6" Neck Size, 25 CFM	1	0%	1	EA		\$ -	\$ 124	1	\$ 99	\$ 99
72	Wall Mounted Supply Grille, BASIS OF DESIGN "PRICE", 6"x6" Neck Size, 60 CFM	1	0%	1	EA		\$ -	\$ 124	1	\$ 99	\$ 99
73	Wall Mounted Supply Register, BASIS OF DESIGN "PRICE", 6"x6" Neck Size, 50 CFM	1	0%	1	EA		\$ -	\$ 124	1	\$ 99	\$ 99
74	Wall Mounted Supply Register, BASIS OF DESIGN "PRICE", 8"x6" Neck Size, 145 CFM	6	0%	6	EA		\$ -	\$ 124	5	\$ 593	\$ 593
75	Ceiling Mounted Return Grille, BASIS OF DESIGN "PRICE", 8"x8" Neck Size	4	0%	4	EA		\$ -	\$ 124	3	\$ 395	\$ 395
76	Ceiling Mounted Return Grille, BASIS OF DESIGN "PRICE", 24"x24" Neck Size	163	0%	163	EA		\$ -	\$ 124	212	\$ 26,174	\$ 26,174
77	Ceiling Mounted Return Grille, BASIS OF DESIGN "PRICE", 24"x24" Neck Size, 1070 CFM	6	0%	6	EA		\$ -	\$ 124	8	\$ 963	\$ 963
78	Ceiling Mounted Return Grille, BASIS OF DESIGN "PRICE", 24"x24" Neck Size, 175 CFM	1	0%	1	EA		\$ -	\$ 124	1	\$ 161	\$ 161
79	Ceiling Mounted Return Grille, BASIS OF DESIGN "PRICE", 24"x24" Neck Size, 210 CFM	1	0%	1	EA		\$ -	\$ 124	1	\$ 161	\$ 161
80	Ceiling Mounted Return Grille, BASIS OF DESIGN "PRICE", 24"x24" Neck Size, 225 CFM	1	0%	1	EA		\$ -	\$ 124	1	\$ 161	\$ 161
81	Ceiling Mounted Return Grille, BASIS OF DESIGN "PRICE", 24"x24" Neck Size, 330 CFM	1	0%	1	EA		\$ -	\$ 124	1	\$ 161	\$ 161
82	Ceiling Mounted Return Grille, BASIS OF DESIGN "PRICE", 24"x24" Neck Size, 700 CFM	1	0%	1	EA		\$ -	\$ 124	1	\$ 161	\$ 161
83	Ceiling Mounted Return Grille, BASIS OF DESIGN "PRICE", 24"x24" Neck Size, 75 CFM	1	0%	1	EA		\$ -	\$ 124	1	\$ 161	\$ 161
84	Ceiling Mounted Return Register, BASIS OF DESIGN "PRICE", 16"x16" Neck Size, 500 CFM	3	0%	3	EA		\$ -	\$ 124	3	\$ 334	\$ 334
85	Ceiling Mounted Return Register, BASIS OF DESIGN "PRICE", 16"x16" Neck Size, 675 CFM	2	0%	2	EA		\$ -	\$ 124	2	\$ 222	\$ 222
86	Ceiling Mounted Return Register, BASIS OF DESIGN "PRICE", 18"x10" Neck Size, 500 CFM	2	0%	2	EA		\$ -	\$ 124	2	\$ 272	\$ 272
87	Ceiling Mounted Return Register, BASIS OF DESIGN "PRICE", 6"x6" Neck Size, 100 CFM	2	0%	2	EA		\$ -	\$ 124	2	\$ 198	\$ 198
88	Ceiling Mounted Return Register, BASIS OF DESIGN "PRICE", 6"x6" Neck Size, 120 CFM	1	0%	1	EA		\$ -	\$ 124	1	\$ 99	\$ 99
89	Ceiling Mounted Return Register, BASIS OF DESIGN "PRICE", 8"x6" Neck Size, 145 CFM	6	0%	6	EA		\$ -	\$ 124	5	\$ 593	\$ 593
90	Wall Mounted Return Grille, BASIS OF DESIGN "PRICE", 6"x6" Neck Size, 50 CFM	1	0%	1	EA		\$ -	\$ 124	1	\$ 99	\$ 99
91	Wall Mounted Return Grille, BASIS OF DESIGN "PRICE", 100"x40" Neck Size	1	0%	1	EA		\$ -	\$ 124	5	\$ 618	\$ 618
92	Wall Mounted Return Grille, BASIS OF DESIGN "PRICE", 100"x50" Neck Size	1	0%	1	EA		\$ -	\$ 124	5	\$ 618	\$ 618
93	Wall Mounted Return Grille, BASIS OF DESIGN "PRICE", 78"x34" Neck Size	1	0%	1	EA		\$ -	\$ 124	4	\$ 494	\$ 494
94	Wall Mounted Return Grille, BASIS OF DESIGN "PRICE", 120"x40" Neck Size, 12885 CFM, W/ WMS	1	0%	1	EA		\$ -	\$ 124	6	\$ 679	\$ 679
95	Wall Mounted Return Grille, BASIS OF DESIGN "PRICE", 42"x22" Neck Size, 2500 CFM, W/ WMS	1	0%	1	EA		\$ -	\$ 124	2	\$ 198	\$ 198
96	Wall Mounted Return Grille, BASIS OF DESIGN "PRICE", 64"x38" Neck Size, 6645 CFM, W/ WMS	1	0%	1	EA		\$ -	\$ 124	2	\$ 284	\$ 284
97	Wall Mounted Return Grille, BASIS OF DESIGN "PRICE", 72"x28" Neck Size, 5000 CFM, W/ WMS	1	0%	1	EA		\$ -	\$ 124	3	\$ 346	\$ 346
98	Wall Mounted Return Grille, BASIS OF DESIGN "PRICE", 76"x26" Neck Size, 4515 CFM, W/ WMS	2	0%	2	EA		\$ -	\$ 124	6	\$ 692	\$ 692
99	Wall Mounted Return Grille, BASIS OF DESIGN "PRICE", 80"x34" Neck Size, 7200 CFM, W/ WMS	4	0%	4	EA		\$ -	\$ 124	12	\$ 1,482	\$ 1,482
100	Ceiling Mounted Transfer Register, BASIS OF DESIGN "PRICE", 8"x8" Neck Size, 100 CFM	1	0%	1	EA		\$ -	\$ 124	1	\$ 99	\$ 99
101	Ceiling Mounted Transfer Register, BASIS OF DESIGN "PRICE", 8"x8" Neck Size, 105 CFM	3	0%	3	EA		\$ -	\$ 124	2	\$ 296	\$ 296
102	Ceiling Mounted Transfer Register, BASIS OF DESIGN "PRICE", 8"x8" Neck Size, 215 CFM	1	0%	1	EA		\$ -	\$ 124	1	\$ 99	\$ 99
103	Ceiling Mounted Transfer Register, BASIS OF DESIGN "PRICE", 8"x8" Neck Size, 50 CFM	3	0%	3	EA		\$ -	\$ 124	2	\$ 296	\$ 296
104	Ceiling Mounted Transfer Grille, 8"x8" Neck Size, 150 CFM	8	0%	8	EA		\$ -	\$ 124	6	\$ 791	\$ 791
105	Ceiling Mounted Transfer Register, BASIS OF DESIGN "PRICE", 10"x10" Neck Size, 130 CFM	4	0%	4	EA		\$ -	\$ 124	3	\$ 395	\$ 395
106	Ceiling Mounted Transfer Register, BASIS OF DESIGN "PRICE", 10"x10" Neck Size, 135 CFM	4	0%	4	EA		\$ -	\$ 124	3	\$ 395	\$ 395
107	Ceiling Mounted Transfer Register, BASIS OF DESIGN "PRICE", 10"x10" Neck Size, 170 CFM	1	0%	1	EA		\$ -	\$ 124	1	\$ 99	\$ 99
108	Ceiling Mounted Transfer Register, BASIS OF DESIGN "PRICE", 10"x10" Neck Size, 185 CFM	1	0%	1	EA		\$ -	\$ 124	1	\$ 99	\$ 99
109	Ceiling Mounted Transfer Register, BASIS OF DESIGN "PRICE", 12"x12" Neck Size, 215 CFM	1	0%	1	EA		\$ -	\$ 124	1	\$ 111	\$ 111
110	Ceiling Mounted Transfer Register, BASIS OF DESIGN "PRICE", 12"x12" Neck Size, 230 CFM	2	0%	2	EA		\$ -	\$ 124	2	\$ 222	\$ 222
111	Ceiling Mounted Transfer Register, BASIS OF DESIGN "PRICE", 12"x12" Neck Size, 250 CFM	2	0%	2	EA		\$ -	\$ 124	2	\$ 222	\$ 222
112	Ceiling Mounted Transfer Register, BASIS OF DESIGN "PRICE", 12"x12" Neck Size, 260 CFM	1	0%	1	EA		\$ -	\$ 124	1	\$ 111	\$ 111

113	Ceiling Mounted Transfer Register, BASIS OF DESIGN "PRICE", 12"x12" Neck Size, 255 CFM	1	0%	1	EA		\$ -	\$ 124	1	\$ 111	\$ 111
114	Ceiling Mounted Transfer Register, BASIS OF DESIGN "PRICE", 14" Dia Neck Size, 570 CFM	1	0%	1	EA		\$ -	\$ 124	1	\$ 111	\$ 111
115	Ceiling Mounted Transfer Register, BASIS OF DESIGN "PRICE", 16" Dia Neck Size, 780 CFM	1	0%	1	EA		\$ -	\$ 124	1	\$ 111	\$ 111
116	Ceiling Mounted Transfer Register, BASIS OF DESIGN "PRICE", 16"x16" Neck Size, 465 CFM	3	0%	3	EA		\$ -	\$ 124	3	\$ 334	\$ 334
117	Ceiling Mounted Transfer Register, BASIS OF DESIGN "PRICE", 16"x16" Neck Size, 470 CFM	2	0%	2	EA		\$ -	\$ 124	2	\$ 222	\$ 222
118	Ceiling Mounted Transfer Register, BASIS OF DESIGN "PRICE", 16"x16" Neck Size, 500 CFM	3	0%	3	EA		\$ -	\$ 124	3	\$ 334	\$ 334
119	Ceiling Mounted Transfer Register, BASIS OF DESIGN "PRICE", 16"x16" Neck Size, 510 CFM	1	0%	1	EA		\$ -	\$ 124	1	\$ 111	\$ 111
120	Ceiling Mounted Transfer Register, BASIS OF DESIGN "PRICE", 18"x18" Neck Size, 690 CFM	4	0%	4	EA		\$ -	\$ 124	4	\$ 543	\$ 543
121	Ceiling Mounted Transfer Register, BASIS OF DESIGN "PRICE", 20"x20" Neck Size, 735 CFM	2	0%	2	EA		\$ -	\$ 124	2	\$ 272	\$ 272
122	Ceiling Mounted Transfer Register, BASIS OF DESIGN "PRICE", 14"x14" Neck Size, 285 CFM	1	0%	1	EA		\$ -	\$ 124	1	\$ 111	\$ 111
123	Ceiling Mounted Transfer Register, BASIS OF DESIGN "PRICE", 14"x14" Neck Size, 305 CFM	1	0%	1	EA		\$ -	\$ 124	1	\$ 111	\$ 111
124	Ceiling Mounted Transfer Register, BASIS OF DESIGN "PRICE", 14"x14" Neck Size, 385 CFM	1	0%	1	EA		\$ -	\$ 124	1	\$ 111	\$ 111
125	Wall Mounted Transfer Grille, BASIS OF DESIGN "PRICE", 6"x6" Neck Size, 50 CFM	1	0%	1	EA		\$ -	\$ 124	1	\$ 99	\$ 99
126	Wall Mounted Transfer Grille, BASIS OF DESIGN "PRICE", 16"x16" Neck Size, 500 CFM	2	0%	2	EA		\$ -	\$ 124	2	\$ 222	\$ 222
127	Wall Mounted Transfer Grille, BASIS OF DESIGN "PRICE", 10"x10" Neck Size, 150 CFM	1	0%	1	EA		\$ -	\$ 124	1	\$ 99	\$ 99
128	Wall Mounted Transfer Grille, BASIS OF DESIGN "PRICE", 50"x12" Neck Size, 1300 CFM	1	0%	1	EA		\$ -	\$ 124	2	\$ 247	\$ 247
129	Ceiling Mounted Linear Supply Diffuser, 6"x6" Neck Size, 50 CFM	1	0%	1	EA		\$ -	\$ 124	1	\$ 99	\$ 99
130	Ceiling Mounted Exhaust Grille, BASIS OF DESIGN "PRICE", 14"x10" Neck Size, 570 CFM	1	0%	1	EA		\$ -	\$ 124	1	\$ 111	\$ 111
131	Ceiling Mounted Exhaust Grille, BASIS OF DESIGN "PRICE", 6"x6" Neck Size, 100 CFM	12	0%	12	EA		\$ -	\$ 124	10	\$ 1,186	\$ 1,186
132	Ceiling Mounted Exhaust Grille, BASIS OF DESIGN "PRICE", 6"x6" Neck Size, 105 CFM	1	0%	1	EA		\$ -	\$ 124	1	\$ 99	\$ 99
133	Ceiling Mounted Exhaust Grille, BASIS OF DESIGN "PRICE", 6"x6" Neck Size, 50 CFM	5	0%	5	EA		\$ -	\$ 124	4	\$ 494	\$ 494
134	Ceiling Mounted Exhaust Grille, BASIS OF DESIGN "PRICE", 8"x18" Neck Size, 780 CFM	1	0%	1	EA		\$ -	\$ 124	1	\$ 124	\$ 124
135	Ceiling Mounted Exhaust Grille, BASIS OF DESIGN "PRICE", 8"x8" Neck Size, 215 CFM	2	0%	2	EA		\$ -	\$ 124	2	\$ 198	\$ 198
136	Return Air Opening, 54"x24" Terminate W/ WMS, 3500 CFM	1	0%	1	EA		\$ -	\$ 124	2	\$ 247	\$ 247
137	Return Air Opening, 64"x20" Terminate W/ WMS, 3500 CFM	1	0%	1	EA		\$ -	\$ 124	2	\$ 284	\$ 284
138	LD-1, Linear Diffuser, PRICE SDS100, 10" Dia Neck Size, 325 Air Flow CFM. 1. Provide Pattern Controllers. 2. Provide Continuous Linear Bar Diffuser.	4	0%	4	EA		\$ -	\$ 124	3	\$ 395	\$ 395
139	LD-2, Linear Diffuser, PRICE SDS100, 10" Dia Neck Size, 375 Air Flow CFM. 1. Provide Pattern Controllers. 2. Provide Continuous Linear Bar Diffuser.	3	0%	3	EA		\$ -	\$ 124	2	\$ 296	\$ 296
140	LD-3, Linear Diffuser, PRICE SDS100, 10" Dia Neck Size, 330 Air Flow CFM. 1. Provide Pattern Controllers. 2. Provide Continuous Linear Bar Diffuser.	3	0%	3	EA		\$ -	\$ 124	2	\$ 296	\$ 296
141	LD-4, Linear Diffuser, PRICE SDS100, 8" Dia Neck Size, 205 Air Flow CFM. 1. Provide Pattern Controllers. 2. Provide Continuous Linear Bar Diffuser.	3	0%	3	EA		\$ -	\$ 124	2	\$ 296	\$ 296
142	LD-5, Linear Diffuser, PRICE SDS100, 8" Dia Neck Size, 210 Air Flow CFM. 1. Provide Pattern Controllers. 2. Provide Continuous Linear Bar Diffuser.	3	0%	3	EA		\$ -	\$ 124	2	\$ 296	\$ 296
OUTDOOR AIR HANDLING UNIT											
1	AHU-1N, Air Handling Unit, TRANE CSAA035, 14400 Max Air Flow CFM, 60.6 FLA AMPS, 65.8 MCA AMPS, 460 V, 3 PH, 60 HZ. 1. 100% Modulating Enthalpy Based Economizers. 2. Stainless Steel Condensate Drain Pans. 3. Convenience Outlets (115V) In NEMA 3R Enclosures. 4. All Filters W/Min MERV 13 Efficiency.	1	0%	1	EA		\$ -	\$ 124	32	\$ 3,953	\$ 3,953
2	AHU-1S, Air Handling Unit, TRANE CSAA040, 16800 Max Air Flow CFM, 66.2 FLA AMPS, 71.4 MCA AMPS, 460 V, 3 PH, 60 HZ. 1. 100% Modulating Enthalpy Based Economizers. 2. Stainless Steel Condensate Drain Pans. 3. Convenience Outlets (115V) In NEMA 3R Enclosures. 4. All Filters W/Min MERV 13 Efficiency.	1	0%	1	EA		\$ -	\$ 124	32	\$ 3,953	\$ 3,953

3	AHU-2N, Air Handling Unit, TRANE CSAA040, 17800 Max Air Flow CFM, 78.2 FLA AMPS, 84.9 MCA AMPS, 460 V, 3 PH, 60 HZ. 1. 100% Modulating Enthalpy Based Economizers. 2. Stainless Steel Condensate Drain Pans. 3. Convenience Outlets (115V) In NEMA 3R Enclosures. 4. All Filters W/Min MERV 13 Efficiency.	1	0%	1	EA	\$ -	\$ 124	32	\$ 3,953	\$ 3,953
4	AHU-2S, Air Handling Unit, TRANE CSAA040, 22100 Max Air Flow CFM, 97.4 FLA AMPS, 105.9 MCA AMPS, 460 V, 3 PH, 60 HZ. 1. 100% Modulating Enthalpy Based Economizers. 2. Stainless Steel Condensate Drain Pans. 3. Convenience Outlets (115V) In NEMA 3R Enclosures. 4. All Filters W/Min MERV 13 Efficiency.	1	0%	1	EA	\$ -	\$ 124	36	\$ 4,447	\$ 4,447
5	AHU-3N, Air Handling Unit, TRANE CSAA040, 20000 Max Air Flow CFM, 78.4 FLA AMPS, 81.1 MCA AMPS, 460 V, 3 PH, 60 HZ. 1. 100% Modulating Enthalpy Based Economizers. 2. Stainless Steel Condensate Drain Pans. 3. Convenience Outlets (115V) In NEMA 3R Enclosures. 4. All Filters W/Min MERV 13 Efficiency.	1	0%	1	EA	\$ -	\$ 124	36	\$ 4,447	\$ 4,447
6	AHU-3S, Air Handling Unit, TRANE CSAA040, 20700 Max Air Flow CFM, 84.4 FLA AMPS, 91.1 MCA AMPS, 460 V, 3 PH, 60 HZ. 1. 100% Modulating Enthalpy Based Economizers. 2. Stainless Steel Condensate Drain Pans. 3. Convenience Outlets (115V) In NEMA 3R Enclosures. 4. All Filters W/Min MERV 13 Efficiency.	1	0%	1	EA	\$ -	\$ 124	36	\$ 4,447	\$ 4,447
CHILLER										
1	CH-1, Chiller, "TRANE TURBOCOR ARCTIC CHILLER" TACW450CT4022 ECO, 460 V, 3 PH, 60 HZ, 419.7 MCA AMPS, 387.4 FLA AMPS, 500 MOCAP AMPS. 1. HFC-R513A Refrigerant. 2. Refrigerant Relief Piping With Flexible Connections And Cleanable Vertical Leg Drip Traps.	1	0%	1	EA	\$ -	\$ 124	96	\$ 11,858	\$ 11,858
GAS FIRED HOT WATER BOILER										
1	B-1, Gas- Fired Hot Water Boiler, "AERCO" BMK PLATINUM 2500 W/EDGE (ii), 3.2 Burner Motor HP, 5 FLA AMPS, 460 V, 3 PH, 60 HZ. 1. Category IV Double Wall AL29-4C Stainless Steel Flues W/1" Thermal Insulation. 2. Modulating Sequencing Motor Operated Valves (By Boiler Manufacturer).	1	0%	1	EA	\$ -	\$ 124	48	\$ 5,929	\$ 5,929
2	B-2, Gas- Fired Hot Water Boiler, "AERCO" BMK PLATINUM 2500 W/EDGE (iii), 3.2 Burner Motor HP, 5 FLA AMPS, 460 V, 3 PH, 60 HZ. 1. Category IV Double Wall AL29-4C Stainless Steel Flues W/1" Thermal Insulation. 2. Modulating Sequencing Motor Operated Valves (By Boiler Manufacturer).	1	0%	1	EA	\$ -	\$ 124	48	\$ 5,929	\$ 5,929
COOLING TOWER										
1	CT-1, Cooling Tower, "EVAPCO" ESW4 12-46018-LF, 50 Fan Motor H.P, 155600 Air Flow CFM, 460 V, 3 PH, 60 HZ. 1. VFD For Fan Motor In NEMA 3R Enclosure (Mounted On Cooling Tower).	1	0%	1	EA	\$ -	\$ 124	120	\$ 14,822	\$ 14,822
PUMP										
1	CHWP-1, Pump, "BELL & GOSSETT" SERIES e-1510, MODEL 5GB, 1800 RPM, 460 V, 3 PH, 60 HZ, 50.0 HP. 1. Premium Efficiency Motors.	1	0%	1	EA	\$ -	\$ 124	24	\$ 2,964	\$ 2,964
2	CHWP-2, Pump, "BELL & GOSSETT" SERIES e-1510, MODEL 5GB, 1800 RPM, 460 V, 3 PH, 60 HZ, 50.0 HP. 1. Premium Efficiency Motors.	1	0%	1	EA	\$ -	\$ 124	24	\$ 2,964	\$ 2,964
3	CWP-1, Pump, "BELL & GOSSETT" SERIES e-1510, MODEL 5GB, 1800 RPM, 460 V, 3 PH, 60 HZ, 60.0 HP. 1. Premium Efficiency Motors.	1	0%	1	EA	\$ -	\$ 124	24	\$ 2,964	\$ 2,964
4	CWP-2, Pump, "BELL & GOSSETT" SERIES e-1510, MODEL 5GB, 1800 RPM, 460 V, 3 PH, 60 HZ, 60.0 HP. 1. Premium Efficiency Motors.	1	0%	1	EA	\$ -	\$ 124	24	\$ 2,964	\$ 2,964
5	HWP-1, Pump, "BELL & GOSSETT" SERIES e-1510, MODEL 4GC, 1800 RPM, 460 V, 3 PH, 60 HZ, 30.0 HP. 1. Premium Efficiency Motors.	1	0%	1	EA	\$ -	\$ 124	16	\$ 1,976	\$ 1,976
6	HWP-1, Pump, "BELL & GOSSETT" SERIES e-1510, MODEL 4GC, 1800 RPM, 460 V, 3 PH, 60 HZ, 30.0 HP. 1. Premium Efficiency Motors.	1	0%	1	EA	\$ -	\$ 124	16	\$ 1,976	\$ 1,976
AIR SEPARATOR										
1	AS-1, Air Separator, "BELL & GOSSETT" R-8F, 1100 Max Air Flow.	1	0%	1	EA	\$ -	\$ 124	8	\$ 988	\$ 988
2	AS-2, Air Separator, "BELL & GOSSETT" R-10F, 1300 Max Air Flow.	1	0%	1	EA	\$ -	\$ 124	8	\$ 988	\$ 988
3	AS-3, Air Separator, "BELL & GOSSETT" R-8F, 630 Max Air Flow.	1	0%	1	EA	\$ -	\$ 124	6	\$ 741	\$ 741
MAKE-UP AIR UNIT										

1	MAU-P-1, Makeup Air Unit, "TRANE" GRAA60PFJF0, 5700 Outdoor Air Flow GPM, 7.1 MCA AMPS, 460 V, 3 PH, 60 HZ. 1. NEMA 3R Disconnect Switch.	1	0%	1	EA		\$ -	\$ 124	42	\$ 5,188	\$ 5,188
EXPANSION TANK											
1	ET-1, Expansion Tank, "BELL AND GOSSETT" B-600, 12 / 75 Full Working Pressure PSI.	1	0%	1	EA		\$ -	\$ 124	6	\$ 741	\$ 741
2	ET-2, Expansion Tank, "BELL AND GOSSETT" B-300, 12 / 75 Full Working Pressure PSI.	1	0%	1	EA		\$ -	\$ 124	6	\$ 741	\$ 741
3	ET-3, Expansion Tank, "BELL AND GOSSETT" B-3000, 12 / 75 Full Working Pressure PSI.	1	0%	1	EA		\$ -	\$ 124	6	\$ 741	\$ 741
GLYCOL MAKE-UP PACKAGE											
1	GP-1, Glycol Make-up Package, "ADVANCE CONTROLS" GF-2A3B3H-3-C12, 100 Solution Container Gallons, 1/3 Pump HP, 115 V, 1 PH, 60 HZ. 1. DDC Controls With Pre-Configured ETL Listed XS Series Controllers And Bacnet Cards.	1	0%	1	EA		\$ -	\$ 124	24	\$ 2,964	\$ 2,964
2	GP-2, Glycol Make-up Package, "ADVANCE CONTROLS" GF-2A3B3H-3-C12, 100 Solution Container Gallons, 1/3 Pump HP, 115 V, 1 PH, 60 HZ. 1. DDC Controls With Pre-Configured ETL Listed XS Series Controllers And Bacnet Cards.	1	0%	1	EA		\$ -	\$ 124	24	\$ 2,964	\$ 2,964
GLYCOL MAKE-UP PACKAGE DETAIL											
1	3/4" Dia Ball Valve	4	0%	4	EA	\$ 8.32	\$ 33	\$ 124	2	\$ 217	\$ 251
2	3/4" Dia Check Valve	4	0%	4	EA	\$ 12.48	\$ 50	\$ 124	2	\$ 217	\$ 267
3	SP, Static Pressure Sensor	4	0%	4	EA	\$ 134.46	\$ 538	\$ 124	2	\$ 247	\$ 785
CONDENSATE TREATMENT TANK											
1	CTT-1, Condensate Treatment Tank, "JJM BOILER WORKS, INC" NB-4, 4 Tank Capacity Gallons.	1	0%	1	EA		\$ -	\$ 124	2	\$ 247	\$ 247
2	CTT-2, Condensate Treatment Tank, "JJM BOILER WORKS, INC" NB-4, 4 Tank Capacity Gallons.	1	0%	1	EA		\$ -	\$ 124	2	\$ 247	\$ 247
CHEMICAL POD FEEDER											
1	CPF-1, Chemical Pod Feeder, VECTOR INDUSTRIES, INC. FA-1000AL-TC, 5 Tank Capacity Gallons, 200 PSI.	1	0%	1	EA		\$ -	\$ 124	2	\$ 247	\$ 247
2	CPF-2, Chemical Pod Feeder, VECTOR INDUSTRIES, INC. FA-1000AL-TC, 5 Tank Capacity Gallons, 200 PSI.	1	0%	1	EA		\$ -	\$ 124	2	\$ 247	\$ 247
3	CPF-3, Chemical Pod Feeder, VECTOR INDUSTRIES, INC. FA-1000AL-TC, 5 Tank Capacity Gallons, 200 PSI.	1	0%	1	EA		\$ -	\$ 124	2	\$ 247	\$ 247
CHEMICAL POD FEEDER DETAIL											
1	3/4" Dia Ball Valve	6	0%	6	EA	\$ 8.32	\$ 50	\$ 124	3	\$ 326	\$ 376
2	3/4" Dia Check Valve	3	0%	3	EA	\$ 12.48	\$ 37	\$ 124	1	\$ 163	\$ 200
3	3/4" Dia Drain Valve	3	0%	3	EA	\$ 8.22	\$ 25	\$ 124	1	\$ 163	\$ 188
4	3/4" Dia Drain Connection	3	0%	3	EA	\$ 9.99	\$ 30	\$ 124	1	\$ 163	\$ 193
5	3/4" Dia Union	3	0%	3	EA	\$ 9.30	\$ 28	\$ 124	2	\$ 233	\$ 261

BUFFER TANK										
1	BT-1, Buffer Tank, "ELBI" CWT-500, 125 Max Pressure, 500 Tank Volume Gallons. 1. ASME Complied Tank Construction. 2. Thermal Insulation.	1	0%	1	EA	\$ -	\$ 124	12	\$ 1,482	\$ 1,482
EXPANSION LOOPS										
1	EL-0-1A, Expansion Loop, 3/4" Steel Pipe Dia.	1	0%	1	EA	\$ -	\$ 124	1	\$ 93	\$ 93
2	EL-1-1A, Expansion Loop, 2" Steel Pipe Dia.	1	0%	1	EA	\$ -	\$ 124	1	\$ 178	\$ 178
3	EL-1-2A, Expansion Loop, 1-1/4" Steel Pipe Dia.	1	0%	1	EA	\$ -	\$ 124	1	\$ 142	\$ 142
4	EL-1-3A, Expansion Loop, 1-1/4" Steel Pipe Dia.	1	0%	1	EA	\$ -	\$ 124	1	\$ 142	\$ 142
5	EL-1-3A, Expansion Loop, 1-1/2" Steel Pipe Dia.	1	0%	1	EA	\$ -	\$ 124	1	\$ 154	\$ 154
6	EL-1-4A, Expansion Loop, 1-1/4" Steel Pipe Dia.	1	0%	1	EA	\$ -	\$ 124	1	\$ 142	\$ 142
7	EL-1-5A, Expansion Loop, 1-1/2" Steel Pipe Dia.	1	0%	1	EA	\$ -	\$ 124	1	\$ 154	\$ 154
8	EL-1-6A, Expansion Loop, 1" Steel Pipe Dia.	1	0%	1	EA	\$ -	\$ 124	1	\$ 124	\$ 124
9	EL-1-7A, Expansion Loop, 1" Steel Pipe Dia.	1	0%	1	EA	\$ -	\$ 124	1	\$ 124	\$ 124
10	EL-1-8A, Expansion Loop, 2" Steel Pipe Dia.	1	0%	1	EA	\$ -	\$ 124	1	\$ 178	\$ 178
11	EL-1-9A, Expansion Loop, 3/4" Steel Pipe Dia.	1	0%	1	EA	\$ -	\$ 124	1	\$ 93	\$ 93
12	EL-1-9A, Expansion Loop, 3/4" Steel Pipe Dia.	1	0%	1	EA	\$ -	\$ 124	1	\$ 93	\$ 93
13	EL-1-10A, Expansion Loop, 2" Steel Pipe Dia.	1	0%	1	EA	\$ -	\$ 124	1	\$ 178	\$ 178
14	EL-1-11A, Expansion Loop, 1-1/2" Steel Pipe Dia.	1	0%	1	EA	\$ -	\$ 124	1	\$ 154	\$ 154
15	EL-1-12A, Expansion Loop, 1-1/2" Steel Pipe Dia.	1	0%	1	EA	\$ -	\$ 124	1	\$ 154	\$ 154
16	EL-1-13A, Expansion Loop, 1" Steel Pipe Dia.	1	0%	1	EA	\$ -	\$ 124	1	\$ 124	\$ 124
17	EL-1-14A, Expansion Loop, 3/4" Steel Pipe Dia.	1	0%	1	EA	\$ -	\$ 124	1	\$ 93	\$ 93
18	EF-0-1B, Expansion Loop, 3/4" Steel Pipe Dia.	1	0%	1	EA	\$ -	\$ 124	1	\$ 93	\$ 93
19	EL-1-2B, Expansion Loop, 1-1/4" Steel Pipe Dia.	1	0%	1	EA	\$ -	\$ 124	1	\$ 142	\$ 142
20	EL-1-3B, Expansion Loop, 1-1/2" Steel Pipe Dia.	1	0%	1	EA	\$ -	\$ 124	1	\$ 154	\$ 154
21	EL-1-4B, Expansion Loop, 1-1/4" Steel Pipe Dia.	1	0%	1	EA	\$ -	\$ 124	1	\$ 142	\$ 142
22	EL-1-5B, Expansion Loop, 1-1/4" Steel Pipe Dia.	1	0%	1	EA	\$ -	\$ 124	1	\$ 142	\$ 142
23	EL-1-6B, Expansion Loop, 1-1/2" Steel Pipe Dia.	1	0%	1	EA	\$ -	\$ 124	1	\$ 154	\$ 154
24	EL-1-7B, Expansion Loop, 1-1/4" Steel Pipe Dia.	1	0%	1	EA	\$ -	\$ 124	1	\$ 142	\$ 142
25	EL-1-9B, Expansion Loop, 3/4" Steel Pipe Dia.	1	0%	1	EA	\$ -	\$ 124	1	\$ 93	\$ 93
26	EL-1-10B, Expansion Loop, 3/4" Steel Pipe Dia.	1	0%	1	EA	\$ -	\$ 124	1	\$ 93	\$ 93
27	EL-1-11B, Expansion Loop, 1-1/2" Steel Pipe Dia.	1	0%	1	EA	\$ -	\$ 124	1	\$ 154	\$ 154
28	EL-1-12B, Expansion Loop, 2" Steel Pipe Dia.	1	0%	1	EA	\$ -	\$ 124	1	\$ 178	\$ 178
29	EL-1-13B, Expansion Loop, 2" Steel Pipe Dia.	1	0%	1	EA	\$ -	\$ 124	1	\$ 178	\$ 178
30	EL-1-14B, Expansion Loop, 2" Steel Pipe Dia.	1	0%	1	EA	\$ -	\$ 124	1	\$ 178	\$ 178
31	EL-1-15B, Expansion Loop, 2" Steel Pipe Dia.	1	0%	1	EA	\$ -	\$ 124	1	\$ 178	\$ 178
32	EL-2-1A, Expansion Loop, 2" Steel Pipe Dia.	1	0%	1	EA	\$ -	\$ 124	1	\$ 178	\$ 178
33	EL-2-2A, Expansion Loop, 1-1/2" Steel Pipe Dia.	1	0%	1	EA	\$ -	\$ 124	1	\$ 154	\$ 154
34	EL-2-3A, Expansion Loop, 3/4" Steel Pipe Dia.	1	0%	1	EA	\$ -	\$ 124	1	\$ 93	\$ 93
35	EL-2-4A, Expansion Loop, 1-1/4" Steel Pipe Dia.	1	0%	1	EA	\$ -	\$ 124	1	\$ 142	\$ 142
36	EL-2-5A, Expansion Loop, 1-1/2" Steel Pipe Dia.	1	0%	1	EA	\$ -	\$ 124	1	\$ 154	\$ 154
37	EL-2-6A, Expansion Loop, 1-1/2" Steel Pipe Dia.	1	0%	1	EA	\$ -	\$ 124	1	\$ 154	\$ 154
38	EL-2-8A, Expansion Loop, 3/4" Steel Pipe Dia.	1	0%	1	EA	\$ -	\$ 124	1	\$ 93	\$ 93
39	EL-2-9A, Expansion Loop, 3/4" Steel Pipe Dia.	1	0%	1	EA	\$ -	\$ 124	1	\$ 93	\$ 93
40	EL-2-10A, Expansion Loop, 1-1/4" Steel Pipe Dia.	1	0%	1	EA	\$ -	\$ 124	1	\$ 142	\$ 142
41	EL-2-11A, Expansion Loop, 1-1/2" Steel Pipe Dia.	1	0%	1	EA	\$ -	\$ 124	1	\$ 154	\$ 154
42	EL-2-12A, Expansion Loop, 2" Steel Pipe Dia.	1	0%	1	EA	\$ -	\$ 124	1	\$ 178	\$ 178
43	EL-2-1B, Expansion Loop, 1" Steel Pipe Dia.	1	0%	1	EA	\$ -	\$ 124	1	\$ 124	\$ 124
44	EL-2-2B, Expansion Loop, 1-1/2" Steel Pipe Dia.	1	0%	1	EA	\$ -	\$ 124	1	\$ 154	\$ 154
45	EL-2-3B, Expansion Loop, 1-1/2" Steel Pipe Dia.	1	0%	1	EA	\$ -	\$ 124	1	\$ 154	\$ 154
46	EL-2-4B, Expansion Loop, 1-1/4" Steel Pipe Dia.	1	0%	1	EA	\$ -	\$ 124	1	\$ 142	\$ 142
47	EL-2-5B, Expansion Loop, 1" Steel Pipe Dia.	1	0%	1	EA	\$ -	\$ 124	1	\$ 142	\$ 142
48	EL-2-6B, Expansion Loop, 1-1/4" Steel Pipe Dia.	1	0%	1	EA	\$ -	\$ 124	1	\$ 142	\$ 142
49	EL-2-7B, Expansion Loop, 2" Steel Pipe Dia.	1	0%	1	EA	\$ -	\$ 124	1	\$ 178	\$ 178
50	EL-2-8B, Expansion Loop, 2" Steel Pipe Dia.	1	0%	1	EA	\$ -	\$ 124	1	\$ 178	\$ 178
51	EL-2-9B, Expansion Loop, 3/4" Steel Pipe Dia.	1	0%	1	EA	\$ -	\$ 124	1	\$ 93	\$ 93
52	EL-2-10B, Expansion Loop, 1-1/4" Steel Pipe Dia.	1	0%	1	EA	\$ -	\$ 124	1	\$ 142	\$ 142
53	EL-2-11B, Expansion Loop, 1-1/4" Steel Pipe Dia.	1	0%	1	EA	\$ -	\$ 124	1	\$ 142	\$ 142
54	EL-2-12B, Expansion Loop, 1" Steel Pipe Dia.	1	0%	1	EA	\$ -	\$ 124	1	\$ 124	\$ 124
55	EF-2-N1, Expansion Loop, 2-1/2" Steel Pipe Dia.	1	0%	1	EA	\$ -	\$ 124	2	\$ 210	\$ 210
56	EF-2-N2, Expansion Loop, 2-1/2" Steel Pipe Dia.	1	0%	1	EA	\$ -	\$ 124	2	\$ 210	\$ 210
57	EF-2-S1, Expansion Loop, 2-1/2" Steel Pipe Dia.	1	0%	1	EA	\$ -	\$ 124	2	\$ 210	\$ 210
58	EF-2-S2, Expansion Loop, 2-1/2" Steel Pipe Dia.	1	0%	1	EA	\$ -	\$ 124	2	\$ 210	\$ 210
59	EL-3-1A, Expansion Loop, 2" Steel Pipe Dia.	1	0%	1	EA	\$ -	\$ 124	1	\$ 178	\$ 178
60	EL-3-1A, Expansion Loop, 2" Steel Pipe Dia.	1	0%	1	EA	\$ -	\$ 124	1	\$ 178	\$ 178
61	EL-3-2A, Expansion Loop, 1-1/2" Steel Pipe Dia.	1	0%	1	EA	\$ -	\$ 124	1	\$ 154	\$ 154
62	EL-3-3A, Expansion Loop, 1" Steel Pipe Dia.	1	0%	1	EA	\$ -	\$ 124	1	\$ 124	\$ 124
63	EL-3-4A, Expansion Loop, 1-1/4" Steel Pipe Dia.	1	0%	1	EA	\$ -	\$ 124	1	\$ 142	\$ 142
64	EL-3-5A, Expansion Loop, 2" Steel Pipe Dia.	1	0%	1	EA	\$ -	\$ 124	1	\$ 178	\$ 178
65	EL-3-6A, Expansion Loop, 1-1/2" Steel Pipe Dia.	1	0%	1	EA	\$ -	\$ 124	1	\$ 154	\$ 154
66	EL-3-9A, Expansion Loop, 1" Steel Pipe Dia.	1	0%	1	EA	\$ -	\$ 124	1	\$ 124	\$ 124
67	EL-3-10A, Expansion Loop, 1-1/2" Steel Pipe Dia.	1	0%	1	EA	\$ -	\$ 124	1	\$ 154	\$ 154
68	EF-3-11A, Expansion Loop, 2" Steel Pipe Dia.	1	0%	1	EA	\$ -	\$ 124	1	\$ 178	\$ 178

69	EL-3-1B, Expansion Loop, 3/4" Steel Pipe Dia.	1	0%	1	EA	\$ -	\$ 124	1	\$ 93	\$ 93
70	EL-3-2B, Expansion Loop, 1-1/4" Steel Pipe Dia.	1	0%	1	EA	\$ -	\$ 124	1	\$ 142	\$ 142
71	EL-3-3B, Expansion Loop, 2" Steel Pipe Dia.	1	0%	1	EA	\$ -	\$ 124	1	\$ 178	\$ 178
72	EL-3-4B, Expansion Loop, 1-1/4" Steel Pipe Dia.	1	0%	1	EA	\$ -	\$ 124	1	\$ 142	\$ 142
73	EL-3-5B, Expansion Loop, 3/4" Steel Pipe Dia.	1	0%	1	EA	\$ -	\$ 124	1	\$ 93	\$ 93
74	EL-3-6B, Expansion Loop, 1-1/4" Steel Pipe Dia.	1	0%	1	EA	\$ -	\$ 124	1	\$ 142	\$ 142
75	EL-3-8B, Expansion Loop, 2" Steel Pipe Dia.	1	0%	1	EA	\$ -	\$ 124	1	\$ 178	\$ 178
76	EL-3-9B, Expansion Loop, 1-1/2" Steel Pipe Dia.	1	0%	1	EA	\$ -	\$ 124	1	\$ 154	\$ 154
77	EL-3-10B, Expansion Loop, 1-1/2" Steel Pipe Dia.	1	0%	1	EA	\$ -	\$ 124	1	\$ 154	\$ 154
EXHAUST FAN										
1	EF-1, Fan, GREENHECK CUE 101HP--VG, 300 Air Flow CFM, 1/2 HP, 115 V, 1 PH, 60 HZ. 1. Minimum 14 In. Roof Curb With 1-1/2 In. Thermal Insulation & Damper Tray. 2. Motor Operated Damper (MOD) W/ End Switch, 115V, Aluminum Construction, Curb Mounted. 3. VARI-Green EC Motor W/Wiring Package.	1	0%	1	EA	\$ -	\$ 124	2	\$ 247	\$ 247
2	EF-2, Fan, GREENHECK CUE 101HP--VG, 550 Air Flow CFM, 1/2 HP, 115 V, 1 PH, 60 HZ. 1. Minimum 14 In. Roof Curb With 1-1/2 In. Thermal Insulation & Damper Tray. 2. Motor Operated Damper (MOD) W/ End Switch, 115V, Aluminum Construction, Curb Mounted. 3. VARI-Green EC Motor W/Wiring Package.	1	0%	1	EA	\$ -	\$ 124	2	\$ 247	\$ 247
3	EF-3, Fan, GREENHECK CUBE 141, 1400 Air Flow CFM, 1 HP, 460 V, 3 PH, 60HZ. 1. Minimum 14 In. Roof Curb With 1-1/2 In. Thermal Insulation & Damper Tray. 2. Motor Operated Damper (MOD) W/ End Switch, 115V, Aluminum Construction, Curb Mounted. 3. VARI-Green EC Motor W/Wiring Package.	1	0%	1	EA	\$ -	\$ 124	3	\$ 371	\$ 371
4	EF-4, Fan, GREENHECK CUBE 141HP-7, 950 Air Flow CFM, 3/4 HP, 460 V, 3 PH, 60 HZ. 1. Minimum 14 In. Roof Curb With 1-1/2 In. Thermal Insulation & Damper Tray. 2. Motor Operated Damper (MOD) W/ End Switch, 115V, Aluminum Construction, Curb Mounted. 3. VARI-Green EC Motor W/Wiring Package.	1	0%	1	EA	\$ -	\$ 124	3	\$ 371	\$ 371
5	EF-5, Fan, GREENHECK SQ-140HP-VG, 1600 Air Flow CFM, 1 HP, 460 V, 3 PH, 60 HZ. 1. Minimum 14 In. Roof Curb With 1-1/2 In. Thermal Insulation & Damper Tray. 2. Motor Operated Damper (MOD) W/ End Switch, 115V, Aluminum Construction, Curb Mounted. 3. VARI-Green EC Motor W/Wiring Package.	1	0%	1	EA	\$ -	\$ 124	3	\$ 371	\$ 371
6	EF-6, Fan, GREENHECK SQ-140HP-VG, 1350 Air Flow CFM, 1 HP, 460 V, 3 PH, 60 HZ. 1. Minimum 14 In. Roof Curb With 1-1/2 In. Thermal Insulation & Damper Tray. 2. Motor Operated Damper (MOD) W/ End Switch, 115V, Aluminum Construction, Curb Mounted. 3. VARI-Green EC Motor W/Wiring Package.	1	0%	1	EA	\$ -	\$ 124	3	\$ 371	\$ 371
7	EF-7, Fan, GREENHECK CUBE-101 HP-5, 500 Air Flow CFM, 1/2 HP, 460 V, 3 PH, 60 HZ. 1. Minimum 14 In. Roof Curb With 1-1/2 In. Thermal Insulation & Damper Tray. 2. Motor Operated Damper (MOD) W/ End Switch, 115V, Aluminum Construction, Curb Mounted. 3. VARI-Green EC Motor W/Wiring Package.	1	0%	1	EA	\$ -	\$ 124	2	\$ 247	\$ 247
8	EF-P-1, Fan, GREENHECK CUE-200-B-VGD, 5700 Air Flow CFM, 3 HP, 460 V, 3 PH, 60 HZ. 1. Minimum 14 In. Roof Curb With 1-1/2 In. Thermal Insulation & Damper Tray. 2. Motor Operated Damper (MOD) W/ End Switch, 115V, Aluminum Construction, Curb Mounted. 3. VARI-Green EC Motor W/Wiring Package.	1	0%	1	EA	\$ -	\$ 124	4	\$ 494	\$ 494
9	EF-P-2, Fan, GREENHECK CUBE-180-VGD-7, 3000 Air Flow CFM, 3/4 PH, 460 V, 3 PH, 60HZ. 1. Minimum 14 In. Roof Curb With 1-1/2 In. Thermal Insulation & Damper Tray. 2. Motor Operated Damper (MOD) W/ End Switch, 115V, Aluminum Construction, Curb Mounted. 3. VARI-Green EC Motor W/Wiring Package.	1	0%	1	EA	\$ -	\$ 124	4	\$ 494	\$ 494

10	EF-P-3, GREENHECK CUBE-300-30, 10600 Air Flow CFM, 3 PH, 460 V, 3 PH, 60HZ. 1. Minimum 14 In. Roof Curb With 1-1/2 In. Thermal Insulation & Damper Tray. 2. Motor Operated Damper (MOD) W/ End Switch, 115V, Aluminum Construction, Curb Mounted. 3. VARI-Green EC Motor W/Wiring Package.	1	0%	1	EA	\$	-	\$ 124	6	\$	741	\$	741
COMPUTER ROOM AIR CONDITIONING UNIT													
1	CRAC-1, Computer Room Air Conditioning Unit, "LIEBERT" MMD96E, 3750 Total Air Flow CFM, 36.6 FLA AMPS, 45.0 MOCAP AMPS, 460 V, 3 PH, 60 HZ. CRACC-1, Computer Room Remote Condensing Unit, "LIEBERT" PFH096A, 460 V, 3 PH, 60 HZ, 30 MOCAP AMPS, 18.1 FLA AMPS.	1	0%	1	EA	\$	-	\$ 124	60	\$	7,411	\$	7,411
2	CRAC-2, Computer Room Air Conditioning Unit, "LIEBERT" MMD96E, 3750 Total Air Flow CFM, 36.6 FLA AMPS, 45.0 MOCAP AMPS, 460 V, 3 PH, 60 HZ. CRACC-2, Computer Room Remote Condensing Unit, "LIEBERT" PFH096A, 460 V, 3 PH, 60 HZ, 30 MOCAP AMPS, 18.1 FLA AMPS.	1	0%	1	EA	\$	-	\$ 124	60	\$	7,411	\$	7,411
SPLIT SYSTEM AIR CONDITIONING UNIT													
1	AC-1-1, Split System Air Conditioning Unit, TRANE / MITSUBISHI PKA-A24KA6, 775 Air Flow CFM, 208 V, 1 PH, 60 HZ, 1 MCA AMPS, 0.36 Fan FLA AMPS.	1	0%	1	EA	\$	-	\$ 124	4	\$	494	\$	494
2	AC-1-2, Split System Air Conditioning Unit, TRANE / MITSUBISHI PKA-A24KA6, 775 Air Flow CFM, 208 V, 1 PH, 60 HZ, 1 MCA AMPS, 0.36 Fan FLA AMPS.	1	0%	1	EA	\$	-	\$ 124	4	\$	494	\$	494
3	AC-1-3, Split System Air Conditioning Unit, TRANE / MITSUBISHI PKA-A24KA6, 775 Air Flow CFM, 208 V, 1 PH, 60 HZ, 1 MCA AMPS, 0.36 Fan FLA AMPS.	1	0%	1	EA	\$	-	\$ 124	4	\$	494	\$	494
4	AC-1-4, Split System Air Conditioning Unit, TRANE / MITSUBISHI PKA-A24KA6, 775 Air Flow CFM, 208 V, 1 PH, 60 HZ, 1 MCA AMPS, 0.36 Fan FLA AMPS.	1	0%	1	EA	\$	-	\$ 124	4	\$	494	\$	494
5	AC-2-1, Split System Air Conditioning Unit, TRANE / MITSUBISHI PKA-A12KA6, 425 Air Flow CFM, 208 V, 1 PH, 60 HZ, 1 MCA AMPS, 0.33 Fan FLA AMPS.	1	0%	1	EA	\$	-	\$ 124	3	\$	371	\$	371
6	AC-2-2, Split System Air Conditioning Unit, TRANE / MITSUBISHI PKA-A24KA6, 775 Air Flow CFM, 208 V, 1 PH, 60 HZ, 1 MCA AMPS, 0.36 Fan FLA AMPS.	1	0%	1	EA	\$	-	\$ 124	4	\$	494	\$	494
7	AC-2-3, Split System Air Conditioning Unit, TRANE / MITSUBISHI PKA-A12KA6, 425 Air Flow CFM, 208 V, 1 PH, 60 HZ, 1 MCA AMPS, 0.33 Fan FLA AMPS.	1	0%	1	EA	\$	-	\$ 124	3	\$	371	\$	371
8	AC-2-4, Split System Air Conditioning Unit, TRANE / MITSUBISHI PKA-A24KA6, 775 Air Flow CFM, 208 V, 1 PH, 60 HZ, 1 MCA AMPS, 0.36 Fan FLA AMPS.	1	0%	1	EA	\$	-	\$ 124	4	\$	494	\$	494
9	AC-3-1, Split System Air Conditioning Unit, TRANE / MITSUBISHI PKA-A36KA6, 920 Air Flow CFM, 208 V, 1 PH, 60 HZ, 1 MCA AMPS, 0.57 Fan FLA AMPS.	1	0%	1	EA	\$	-	\$ 124	4	\$	494	\$	494
10	AC-3-2, Split System Air Conditioning Unit, TRANE / MITSUBISHI PKA-A36KA6, 920 Air Flow CFM, 208 V, 1 PH, 60 HZ, 1 MCA AMPS, 0.57 Fan FLA AMPS.	1	0%	1	EA	\$	-	\$ 124	4	\$	494	\$	494
SPLIT SYSTEM CONDENSING UNIT													
1	ACCU-1-1, TRANE/MITSUBISHI PUY-A24NHA6, 208 V, 1 PH, 60 HZ, 18 MCA AMPS.	1	0%	1	EA	\$	-	\$ 124	6	\$	741	\$	741
2	ACCU-1-2, TRANE/MITSUBISHI PUY-A24NHA6, 208 V, 1 PH, 60 HZ, 18 MCA AMPS.	1	0%	1	EA	\$	-	\$ 124	6	\$	741	\$	741
3	ACCU-1-3, TRANE/MITSUBISHI PUY-A24NHA6, 208 V, 1 PH, 60 HZ, 18 MCA AMPS.	1	0%	1	EA	\$	-	\$ 124	6	\$	741	\$	741
4	ACCU-1-4, TRANE/MITSUBISHI PUY-A24NHA6, 208 V, 1 PH, 60 HZ, 18 MCA AMPS.	1	0%	1	EA	\$	-	\$ 124	6	\$	741	\$	741
5	ACCU-2-1, TRANE/MITSUBISHI PUY-A12NHA6, 208 V, 1 PH, 60 HZ, 13 MCA AMPS.	1	0%	1	EA	\$	-	\$ 124	5	\$	618	\$	618
6	ACCU-2-2, TRANE/MITSUBISHI PUY-A24NHA6, 208 V, 1 PH, 60 HZ, 18 MCA AMPS.	1	0%	1	EA	\$	-	\$ 124	6	\$	741	\$	741
7	ACCU-2-3, TRANE/MITSUBISHI PUY-A12NHA6, 208 V, 1 PH, 60 HZ, 13 MCA AMPS.	1	0%	1	EA	\$	-	\$ 124	5	\$	618	\$	618
8	ACCU-2-4, TRANE/MITSUBISHI PUY-A24NHA6, 208 V, 1 PH, 60 HZ, 18 MCA AMPS.	1	0%	1	EA	\$	-	\$ 124	6	\$	741	\$	741
9	ACCU-3-1, TRANE/MITSUBISHI PUY-A36NHA6, 208 V, 1 PH, 60 HZ, 25 MCA AMPS.	1	0%	1	EA	\$	-	\$ 124	6	\$	741	\$	741
10	ACCU-3-2, TRANE/MITSUBISHI PUY-A36NHA6, 208 V, 1 PH, 60 HZ, 25 MCA AMPS.	1	0%	1	EA	\$	-	\$ 124	6	\$	741	\$	741
SPLIT SYSTEM HEAT PUMP UNIT													
1	HP-1-1, Split System Heat Pump Unit, TRANE /MITSUBISHI PEFY-P24NMAU-E, 670 Air Flow CFM, 208 V, 1 PH, 60 HZ, 2.25 MCA AMPS, 2.18 Fan FLA AMPS.	1	0%	1	EA	\$	-	\$ 124	4	\$	494	\$	494

2	HP-1-2, Split System Heat Pump Unit, TRANE /MITSUBISHI PEFY-P24NMAU-E, 670 Air Flow CFM, 208 V, 1 PH, 60 HZ, 2.25 MCA AMPS, 2.18 Fan FLA AMPS.	1	0%	1	EA	\$	-	\$ 124	4	\$ 494	\$ 494
3	HP-3-1, Split System Heat Pump Unit, TRANE /MITSUBISHI PKA-A12KA7, 425 Air Flow CFM, 208 V, 1 PH, 60 HZ, 1 MCA AMPS, 0.33 Fan FLA AMPS.	1	0%	1	EA	\$	-	\$ 124	3	\$ 371	\$ 371
4	HP-3-2, Split System Heat Pump Unit, TRANE /MITSUBISHI PKA-A12KA7, 425 Air Flow CFM, 208 V, 1 PH, 61 HZ, 1 MCA AMPS, 0.33 Fan FLA AMPS.	1	0%	1	EA	\$	-	\$ 124	3	\$ 371	\$ 371
5	HP-4-1, Split System Heat Pump Unit, TRANE /MITSUBISHI PKA-A24KA7, 425 Air Flow CFM, 208 V, 1 PH, 60 HZ, 1 MCA AMPS, 0.36 Fan FLA AMPS.	1	0%	1	EA	\$	-	\$ 124	4	\$ 494	\$ 494
SPLIT SYSTEM HEAT PUMP CONDENSING UNIT											
1	HPCU-1-1, Heat Pump Condensing Unit, TRANE / MITSUBISHI PUMY-P36NKMU2, 208 V, 1 PH, 60 HZ, 29 MCA AMPS.	1	0%	1	EA	\$	-	\$ 124	6	\$ 741	\$ 741
2	HPCU-1-2, Heat Pump Condensing Unit, TRANE / MITSUBISHI PUMY-P36NKMU2, 208 V, 1 PH, 60 HZ, 29 MCA AMPS.	1	0%	1	EA	\$	-	\$ 124	6	\$ 741	\$ 741
3	HPCU-3-1, Heat Pump Condensing Unit, TRANE / MITSUBISHI PUZ-A12NHA7, 208 V, 1 PH, 60 HZ, 11 MCA AMPS.	1	0%	1	EA	\$	-	\$ 124	5	\$ 618	\$ 618
4	HPCU-3-2, Heat Pump Condensing Unit, TRANE / MITSUBISHI PUZ-A12NHA7, 208 V, 1 PH, 60 HZ, 11 MCA AMPS.	1	0%	1	EA	\$	-	\$ 124	5	\$ 618	\$ 618
5	HPCU-4-1, Heat Pump Condensing Unit, TRANE / MITSUBISHI PUZ-A24NHA7, 208 V, 1 PH, 60 HZ, 19 MCA AMPS.	1	0%	1	EA	\$	-	\$ 124	6	\$ 741	\$ 741
VARIABLE AIR VOLUME UNIT											
1	VAV-1-1, Variable Air Volume Unit, "TRANE" VCWF, 470 Air Flow CFM, 115 V, 1 PH, 60 HZ. 1. VAV Unit Manufacturer To Provide Disconnect Switch NEMA 12, 120/24V Transformer, And Control Panel.	1	0%	1	EA	\$	-	\$ 124	3	\$ 358	\$ 358
2	VAV-1-1, Variable Air Volume Unit, "TRANE" VCWF, 470 Air Flow CFM, 115 V, 1 PH, 60 HZ. 1. VAV Unit Manufacturer To Provide Disconnect Switch NEMA 12, 120/24V Transformer, And Control Panel.	1	0%	1	EA	\$	-	\$ 124	4	\$ 494	\$ 494
3	VAV-1-3, Variable Air Volume Unit, "TRANE" VCWF, 930 Air Flow CFM, 115 V, 1 PH, 60 HZ.	1	0%	1	EA	\$	-	\$ 124	4	\$ 494	\$ 494
4	VAV-1-4, Variable Air Volume Unit, "TRANE" VCWF, 480 Air Flow CFM, 115 V, 1 PH, 60 HZ.	1	0%	1	EA	\$	-	\$ 124	3	\$ 358	\$ 358
5	VAV-1-5, Variable Air Volume Unit, "TRANE" VCWF, 640 Air Flow CFM, 115 V, 1 PH, 60 HZ.	1	0%	1	EA	\$	-	\$ 124	3	\$ 408	\$ 408
6	VAV-1-6, Variable Air Volume Unit, "TRANE" VCWF, 825 Air Flow CFM, 115 V, 1 PH, 60 HZ.	1	0%	1	EA	\$	-	\$ 124	4	\$ 494	\$ 494
7	VAV-1-7, Variable Air Volume Unit, "TRANE" VCWF, 750 Air Flow CFM, 115 V, 1 PH, 60 HZ.	1	0%	1	EA	\$	-	\$ 124	3	\$ 408	\$ 408
8	VAV-1-8, Variable Air Volume Unit, "TRANE" VCWF, 320 Air Flow CFM, 115 V, 1 PH, 60 HZ.	1	0%	1	EA	\$	-	\$ 124	2	\$ 247	\$ 247
9	VAV-1-9, Variable Air Volume Unit, "TRANE" VCWF, 220 Air Flow CFM, 115 V, 1 PH, 60 HZ.	1	0%	1	EA	\$	-	\$ 124	2	\$ 247	\$ 247
10	VAV-1-10, Variable Air Volume Unit, "TRANE" VCWF, 370 Air Flow CFM, 115 V, 1 PH, 60 HZ.	1	0%	1	EA	\$	-	\$ 124	2	\$ 247	\$ 247
11	VAV-1-11, Variable Air Volume Unit, "TRANE" VCWF, 370 Air Flow CFM, 115 V, 1 PH, 60 HZ.	1	0%	1	EA	\$	-	\$ 124	2	\$ 247	\$ 247
12	VAV-1-12, Variable Air Volume Unit, "TRANE" VCWF, 425 Air Flow CFM, 115 V, 1 PH, 60 HZ.	1	0%	1	EA	\$	-	\$ 124	3	\$ 358	\$ 358
13	VAV-1-13, Variable Air Volume Unit, "TRANE" VCWF, 1300 Air Flow CFM, 115 V, 1 PH, 60 HZ.	1	0%	1	EA	\$	-	\$ 124	5	\$ 556	\$ 556
14	VAV-1-14, Variable Air Volume Unit, "TRANE" VCWF, 580 Air Flow CFM, 115 V, 1 PH, 60 HZ.	1	0%	1	EA	\$	-	\$ 124	3	\$ 358	\$ 358
15	VAV-1-15, Variable Air Volume Unit, "TRANE" VCWF, 535 Air Flow CFM, 115 V, 1 PH, 60 HZ.	1	0%	1	EA	\$	-	\$ 124	3	\$ 358	\$ 358
16	VAV-1-16, Variable Air Volume Unit, "TRANE" VCWF, 1050 Air Flow CFM, 115 V, 1 PH, 60 HZ.	1	0%	1	EA	\$	-	\$ 124	5	\$ 556	\$ 556
17	VAV-1-17, Variable Air Volume Unit, "TRANE" VCWF, 1000 Air Flow CFM, 115 V, 1 PH, 60 HZ.	1	0%	1	EA	\$	-	\$ 124	4	\$ 494	\$ 494
18	VAV-1-18, Variable Air Volume Unit, "TRANE" VCWF, 980 Air Flow CFM, 115 V, 1 PH, 60 HZ.	1	0%	1	EA	\$	-	\$ 124	4	\$ 494	\$ 494
19	VAV-1-19, Variable Air Volume Unit, "TRANE" VCWF, 1520 Air Flow CFM, 115 V, 1 PH, 60 HZ.	1	0%	1	EA	\$	-	\$ 124	5	\$ 556	\$ 556
20	VAV-1-20, Variable Air Volume Unit, "TRANE" VCWF, 365 Air Flow CFM, 115 V, 1 PH, 60 HZ.	1	0%	1	EA	\$	-	\$ 124	2	\$ 247	\$ 247
21	VAV-1-21, Variable Air Volume Unit, "TRANE" VCWF, 1225 Air Flow CFM, 115 V, 1 PH, 60 HZ.	1	0%	1	EA	\$	-	\$ 124	3	\$ 408	\$ 408
22	VAV-1-22, Variable Air Volume Unit, "TRANE" VCWF, 670 Air Flow CFM, 115 V, 1 PH, 60 HZ.	1	0%	1	EA	\$	-	\$ 124	3	\$ 408	\$ 408
23	VAV-1-23, Variable Air Volume Unit, "TRANE" VCWF, 960 Air Flow CFM, 115 V, 1 PH, 60 HZ.	1	0%	1	EA	\$	-	\$ 124	4	\$ 494	\$ 494
24	VAV-1-24, Variable Air Volume Unit, "TRANE" VCWF, 720 Air Flow CFM, 115 V, 1 PH, 60 HZ.	1	0%	1	EA	\$	-	\$ 124	3	\$ 408	\$ 408
25	VAV-1-25, Variable Air Volume Unit, "TRANE" VCWF, 630 Air Flow CFM, 115 V, 1 PH, 60 HZ.	1	0%	1	EA	\$	-	\$ 124	3	\$ 408	\$ 408
26	VAV-1-26, Variable Air Volume Unit, "TRANE" VCWF, 630 Air Flow CFM, 115 V, 1 PH, 60 HZ.	1	0%	1	EA	\$	-	\$ 124	3	\$ 408	\$ 408
27	VAV-1-27, Variable Air Volume Unit, "TRANE" VCWF, 470 Air Flow CFM, 115 V, 1 PH, 60 HZ.	1	0%	1	EA	\$	-	\$ 124	3	\$ 358	\$ 358
28	VAV-1-28, Variable Air Volume Unit, "TRANE" VCWF, 625 Air Flow CFM, 115 V, 1 PH, 60 HZ.	1	0%	1	EA	\$	-	\$ 124	3	\$ 408	\$ 408
29	VAV-1-29, Variable Air Volume Unit, "TRANE" VCWF, 1250 Air Flow CFM, 115 V, 1 PH, 60 HZ.	1	0%	1	EA	\$	-	\$ 124	5	\$ 556	\$ 556
30	VAV-1-30, Variable Air Volume Unit, "TRANE" VCWF, 835 Air Flow CFM, 115 V, 1 PH, 60 HZ.	1	0%	1	EA	\$	-	\$ 124	4	\$ 494	\$ 494
31	VAV-1-31, Variable Air Volume Unit, "TRANE" VCWF, 1525 Air Flow CFM, 115 V, 1 PH, 60 HZ.	1	0%	1	EA	\$	-	\$ 124	5	\$ 556	\$ 556
32	VAV-1-32, Variable Air Volume Unit, "TRANE" VCWF, 1740 Air Flow CFM, 115 V, 1 PH, 60 HZ.	1	0%	1	EA	\$	-	\$ 124	5	\$ 618	\$ 618
33	VAV-1-33, Variable Air Volume Unit, "TRANE" VCWF, 1000 Air Flow CFM, 115 V, 1 PH, 60 HZ.	1	0%	1	EA	\$	-	\$ 124	5	\$ 556	\$ 556
34	VAV-1-34, Variable Air Volume Unit, "TRANE" VCWF, 1045 Air Flow CFM, 115 V, 1 PH, 60 HZ.	1	0%	1	EA	\$	-	\$ 124	5	\$ 556	\$ 556
35	VAV-1-35, Variable Air Volume Unit, "TRANE" VCWF, 1600 Air Flow CFM, 115 V, 1 PH, 60 HZ.	1	0%	1	EA	\$	-	\$ 124	5	\$ 618	\$ 618
36	VAV-1-36, Variable Air Volume Unit, "TRANE" VCWF, 985 Air Flow CFM, 115 V, 1 PH, 60 HZ.	1	0%	1	EA	\$	-	\$ 124	4	\$ 494	\$ 494
37	VAV-1-37, Variable Air Volume Unit, "TRANE" VCWF, 195 Air Flow CFM, 115 V, 1 PH, 60 HZ.	1	0%	1	EA	\$	-	\$ 124	2	\$ 247	\$ 247
38	VAV-1-38, Variable Air Volume Unit, "TRANE" VCWF, 250 Air Flow CFM, 115 V, 1 PH, 60 HZ.	1	0%	1	EA	\$	-	\$ 124	2	\$ 247	\$ 247
39	VAV-2-1, Variable Air Volume Unit, "TRANE" VCWF, 580 Air Flow CFM, 115 V, 1 PH, 60 HZ.	1	0%	1	EA	\$	-	\$ 124	3	\$ 408	\$ 408
40	VAV-2-2, Variable Air Volume Unit, "TRANE" VCWF, 1000 Air Flow CFM, 115 V, 1 PH, 60 HZ.	1	0%	1	EA	\$	-	\$ 124	4	\$ 494	\$ 494
41	VAV-2-3, Variable Air Volume Unit, "TRANE" VCWF, 1000 Air Flow CFM, 115 V, 1 PH, 60 HZ.	1	0%	1	EA	\$	-	\$ 124	4	\$ 494	\$ 494
42	VAV-2-4, Variable Air Volume Unit, "TRANE" VCWF, 1025 Air Flow CFM, 115 V, 1 PH, 60 HZ.	1	0%	1	EA	\$	-	\$ 124	5	\$ 556	\$ 556
43	VAV-2-5, Variable Air Volume Unit, "TRANE" VCWF, 1200 Air Flow CFM, 115 V, 1 PH, 60 HZ.	1	0%	1	EA	\$	-	\$ 124	5	\$ 556	\$ 556
44	VAV-2-6, Variable Air Volume Unit, "TRANE" VCWF, 1200 Air Flow CFM, 115 V, 1 PH, 60 HZ.	1	0%	1	EA	\$	-	\$ 124	5	\$ 556	\$ 556
45	VAV-2-7, Variable Air Volume Unit, "TRANE" VCWF, 1110 Air Flow CFM, 115 V, 1 PH, 60 HZ.	1	0%	1	EA	\$	-	\$ 124	5	\$ 556	\$ 556
46	VAV-2-8, Variable Air Volume Unit, "TRANE" VCWF, 870 Air Flow CFM, 115 V, 1 PH, 60 HZ.	1	0%	1	EA	\$	-	\$ 124	4	\$ 494	\$ 494
47	VAV-2-9, Variable Air Volume Unit, "TRANE" VCWF, 780 Air Flow CFM, 115 V, 1 PH, 60 HZ.	1	0%	1	EA	\$	-	\$ 124	3	\$ 408	\$ 408
48	VAV-2-10, Variable Air Volume Unit, "TRANE" VCWF, 780 Air Flow CFM, 115 V, 1 PH, 60 HZ.	1	0%	1	EA	\$	-	\$ 124	3	\$ 408	\$ 408

3	3/4" Dia Drain Valve	120	0%	120	EA	\$ 8.12	\$ 974	\$ 124	53	\$ 6,522	\$ 7,496
4	3/4" Dia Manual Air Vent	240	0%	240	EA	\$ 6.44	\$ 1,546	\$ 124	106	\$ 13,044	\$ 14,589
5	3/4" Dia Union	240	0%	240	EA	\$ 3.53	\$ 847	\$ 124	174	\$ 21,463	\$ 22,310
BLOWER COIL AIR HANDLER											
1	BC-1-1, TRANE BCHD012, 500 CFM, 115 V, 1 PH, 60 HZ, 9.3 MAX AMP, 15 MAX FUSE AMP. 1. Bas Contractor To Provide Distech Controls Controller (BACNET/IP), 2-Way Valve, And Space Temperature Sensor (No Display). 2. Spring Vibration Isolation. 3. MERV 13 Filter.	1	0%	1	EA	\$ -	\$ 124	\$ 124	6	\$ 741	\$ 741
2	BC-1-2, TRANE BCHD012, 500 CFM, 115 V, 1 PH, 60 HZ, 9.3 MAX AMP, 15 MAX FUSE AMP. 1. Bas Contractor To Provide Distech Controls Controller (BACNET/IP), 2-Way Valve, And Space Temperature Sensor (No Display). 2. Spring Vibration Isolation. 3. MERV 13 Filter.	1	0%	1	EA	\$ -	\$ 124	\$ 124	6	\$ 741	\$ 741
3	BC-1-3, TRANE BCHD012, 500 CFM, 115 V, 1 PH, 60 HZ, 9.3 MAX AMP, 15 MAX FUSE AMP. 1. Bas Contractor To Provide Distech Controls Controller (BACNET/IP), 2-Way Valve, And Space Temperature Sensor (No Display). 2. Spring Vibration Isolation. 3. MERV 13 Filter.	1	0%	1	EA	\$ -	\$ 124	\$ 124	6	\$ 741	\$ 741
4	BC-1-4, TRANE BCHD012, 500 CFM, 115 V, 1 PH, 60 HZ, 9.3 MAX AMP, 15 MAX FUSE AMP. 1. Bas Contractor To Provide Distech Controls Controller (BACNET/IP), 2-Way Valve, And Space Temperature Sensor (No Display). 2. Spring Vibration Isolation. 3. MERV 13 Filter.	1	0%	1	EA	\$ -	\$ 124	\$ 124	6	\$ 741	\$ 741
5	BC-2-1, TRANE BCHD012, 500 CFM, 115 V, 1 PH, 60 HZ, 9.3 MAX AMP, 15 MAX FUSE AMP. 1. Bas Contractor To Provide Distech Controls Controller (BACNET/IP), 2-Way Valve, And Space Temperature Sensor (No Display). 2. Spring Vibration Isolation. 3. MERV 13 Filter.	1	0%	1	EA	\$ -	\$ 124	\$ 124	6	\$ 741	\$ 741
6	BC-3-1, TRANE BCHD012, 500 CFM, 115 V, 1 PH, 60 HZ, 9.3 MAX AMP, 15 MAX FUSE AMP. 1. Bas Contractor To Provide Distech Controls Controller (BACNET/IP), 2-Way Valve, And Space Temperature Sensor (No Display). 2. Spring Vibration Isolation. 3. MERV 13 Filter.	1	0%	1	EA	\$ -	\$ 124	\$ 124	6	\$ 741	\$ 741
BLOWER COIL AIR HANDLER PIPING DETAIL											
1	3/4" Dia Ball Valve	12	0%	12	EA	\$ 8.32	\$ 100	\$ 124	5	\$ 652	\$ 752
2	3/4" Dia Combination Balancing Valve / Flow Measuring Station	6	0%	6	EA	\$ 148.98	\$ 894	\$ 124	3	\$ 408	\$ 1,301
3	3/4" Dia Drain Valve	6	0%	6	EA	\$ 8.12	\$ 49	\$ 124	3	\$ 326	\$ 375
4	3/4" Dia Manual Air Vent	12	0%	12	EA	\$ 6.44	\$ 77	\$ 124	5	\$ 652	\$ 729
5	3/4" Dia Union	12	0%	12	EA	\$ 3.53	\$ 42	\$ 124	9	\$ 1,073	\$ 1,116
FAN COIL UNIT											
1	FC-0-1, Fan Coil Unit Heater, "TRANE" FFDB020, 290 Air Flow CFM, .13 Motor HP, 2,75 MCA, 115 V, 1 PH, 60 HZ. 1. Spring Vibration Isolation. 2. MERV 13 Filter. 3. Bas Contractor To Provide Distech Controls Controller (BACNET/IP), 2-Way Valve, And Space Temperature Sensor (No Display).	1	0%	1	EA	\$ -	\$ 124	\$ 124	4	\$ 494	\$ 494

2	FC-0-2, Fan Coil Unit Heater, "TRANE" FFDB020, 290 Air Flow CFM, .13 Motor H	1	0%	1	EA		\$ -	\$ 124	4	\$ 494	\$ 494
3	FC-0-3, Fan Coil Unit Heater, "TRANE" FFDB020, 290 Air Flow CFM, .13 Motor H	1	0%	1	EA		\$ -	\$ 124	4	\$ 494	\$ 494
4	FC-1-1, Fan Coil Unit Heater, "TRANE" FFDB020, 290 Air Flow CFM, .13 Motor H	1	0%	1	EA		\$ -	\$ 124	4	\$ 494	\$ 494
5	FC-1-2, Fan Coil Unit Heater, "TRANE" FFDB020, 290 Air Flow CFM, .13 Motor H	1	0%	1	EA		\$ -	\$ 124	4	\$ 494	\$ 494
6	FC-1-3, Fan Coil Unit Heater, "TRANE" FFDB020, 290 Air Flow CFM, .13 Motor H	1	0%	1	EA		\$ -	\$ 124	4	\$ 494	\$ 494
7	FC-1-4, Fan Coil Unit Heater, "TRANE" FFDB020, 290 Air Flow CFM, .13 Motor H	1	0%	1	EA		\$ -	\$ 124	4	\$ 494	\$ 494
8	FC-1-5, Fan Coil Unit Heater, "TRANE" FFDB020, 290 Air Flow CFM, .13 Motor H	1	0%	1	EA		\$ -	\$ 124	4	\$ 494	\$ 494
9	FC-2-1, Fan Coil Unit Heater, "TRANE" FFDB020, 290 Air Flow CFM, .13 Motor H	1	0%	1	EA		\$ -	\$ 124	4	\$ 494	\$ 494
10	FC-2-2, Fan Coil Unit Heater, "TRANE" FFDB020, 290 Air Flow CFM, .13 Motor H	1	0%	1	EA		\$ -	\$ 124	4	\$ 494	\$ 494
11	FC-3-1, Fan Coil Unit Heater, "TRANE" FFDB020, 290 Air Flow CFM, .13 Motor H	1	0%	1	EA		\$ -	\$ 124	4	\$ 494	\$ 494
12	FC-3-2, Fan Coil Unit Heater, "TRANE" FFDB020, 290 Air Flow CFM, .13 Motor H	1	0%	1	EA		\$ -	\$ 124	4	\$ 494	\$ 494
13	FC-3-3, Fan Coil Unit Heater, "TRANE" FFDB020, 290 Air Flow CFM, .13 Motor H	1	0%	1	EA		\$ -	\$ 124	4	\$ 494	\$ 494
14	FC-4-1, Fan Coil Unit Heater, "TRANE" FFDB020, 290 Air Flow CFM, .13 Motor H	1	0%	1	EA		\$ -	\$ 124	4	\$ 494	\$ 494
15	FC-4-2, Fan Coil Unit Heater, "TRANE" FFDB020, 290 Air Flow CFM, .13 Motor H	1	0%	1	EA		\$ -	\$ 124	4	\$ 494	\$ 494
FAN COIL UNIT PIPING DETAIL											
1	3/4" Dia Ball Valve	30	0%	30	EA	\$ 8.32	\$ 250	\$ 124	13	\$ 1,630	\$ 1,880
2	3/4" Dia Combination Balancing Valve / Flow Measuring Station	15	0%	15	EA	\$ 148.98	\$ 2,235	\$ 124	8	\$ 1,019	\$ 3,254
3	3/4" Dia Drain Valve	15	0%	15	EA	\$ 8.12	\$ 122	\$ 124	7	\$ 815	\$ 937
4	3/4" Dia Manual Air Vent	30	0%	30	EA	\$ 6.44	\$ 193	\$ 124	13	\$ 1,630	\$ 1,824
5	3/4" Dia Union	30	0%	30	EA	\$ 3.53	\$ 106	\$ 124	22	\$ 2,683	\$ 2,789
CONVECTOR											
1	C-1-1, Convector, "STERLING " FSG-A. 1. Knob Dampers. 2. 4" End Pockets (Field Verify Side Location). 3. Bas Contractor To Provide Distech 2-Way Control Valve	1	0%	1	EA		\$ -	\$ 124	4	\$ 494	\$ 494
2	C-1-2, Convector, "STERLING " RFG-A.1. Knob Dampers.2. 4" End Pockets (Field	1	0%	1	EA		\$ -	\$ 124	4	\$ 494	\$ 494
3	C-2-1, Convector, "STERLING " FSG-A.1. Knob Dampers.2. 4" End Pockets (Field	1	0%	1	EA		\$ -	\$ 124	4	\$ 494	\$ 494
4	C-3-1, Convector, "STERLING " FSG-A.1. Knob Dampers.2. 4" End Pockets (Field	1	0%	1	EA		\$ -	\$ 124	4	\$ 494	\$ 494
BASEBOARD											
1	BB-1-1, Baseboard, "SLANT FIN" RL-10.	1	0%	1	EA		\$ -	\$ 124	4	\$ 494	\$ 494
2	BB-1-2, Baseboard, "SLANT FIN" RL-10.	1	0%	1	EA		\$ -	\$ 124	4	\$ 494	\$ 494
3	BB-1-3, Baseboard, "SLANT FIN" RL-10.	1	0%	1	EA		\$ -	\$ 124	4	\$ 494	\$ 494
4	BB-1-4, Baseboard, "SLANT FIN" RL-10.	1	0%	1	EA		\$ -	\$ 124	4	\$ 494	\$ 494
5	BB-1-5, Baseboard, "SLANT FIN" RL-10.	1	0%	1	EA		\$ -	\$ 124	4	\$ 494	\$ 494
6	BB-1-6, Baseboard, "SLANT FIN" RL-10.	1	0%	1	EA		\$ -	\$ 124	4	\$ 494	\$ 494
7	BB-1-7, Baseboard, "SLANT FIN" RL-10.	1	0%	1	EA		\$ -	\$ 124	4	\$ 494	\$ 494
8	BB-1-8, Baseboard, "SLANT FIN" RL-10.	1	0%	1	EA		\$ -	\$ 124	4	\$ 494	\$ 494
9	BB-1-9, Baseboard, "SLANT FIN" RL-10.	1	0%	1	EA		\$ -	\$ 124	4	\$ 494	\$ 494
10	BB-1-10, Baseboard, "SLANT FIN" RL-10.	1	0%	1	EA		\$ -	\$ 124	4	\$ 494	\$ 494
11	BB-1-11, Baseboard, "SLANT FIN" RL-10.	1	0%	1	EA		\$ -	\$ 124	4	\$ 494	\$ 494
12	BB-1-12, Baseboard, "SLANT FIN" RL-10.	1	0%	1	EA		\$ -	\$ 124	4	\$ 494	\$ 494
13	BB-1-13, Baseboard, "SLANT FIN" RL-10.	1	0%	1	EA		\$ -	\$ 124	4	\$ 494	\$ 494
14	BB-1-14, Baseboard, "SLANT FIN" RL-10.	1	0%	1	EA		\$ -	\$ 124	4	\$ 494	\$ 494
15	BB-1-15, Baseboard, "SLANT FIN" RL-10.	1	0%	1	EA		\$ -	\$ 124	4	\$ 494	\$ 494
16	BB-1-16, Baseboard, "SLANT FIN" RL-10.	1	0%	1	EA		\$ -	\$ 124	4	\$ 494	\$ 494
17	BB-1-17, Baseboard, "SLANT FIN" RL-10.	1	0%	1	EA		\$ -	\$ 124	4	\$ 494	\$ 494
18	BB-1-18, Baseboard, "SLANT FIN" RL-10.	1	0%	1	EA		\$ -	\$ 124	4	\$ 494	\$ 494
19	BB-1-19, Baseboard, "SLANT FIN" RL-10.	1	0%	1	EA		\$ -	\$ 124	4	\$ 494	\$ 494
20	BB-1-20, Baseboard, "SLANT FIN" RL-10.	1	0%	1	EA		\$ -	\$ 124	4	\$ 494	\$ 494
21	BB-1-21, Baseboard, "SLANT FIN" RL-10.	1	0%	1	EA		\$ -	\$ 124	4	\$ 494	\$ 494
22	BB-1-22, Baseboard, "SLANT FIN" RL-10.	1	0%	1	EA		\$ -	\$ 124	4	\$ 494	\$ 494
23	BB-1-23, Baseboard, "SLANT FIN" RL-10.	1	0%	1	EA		\$ -	\$ 124	4	\$ 494	\$ 494
24	BB-1-24, Baseboard, "SLANT FIN" RL-10.	1	0%	1	EA		\$ -	\$ 124	4	\$ 494	\$ 494
25	BB-1-25, Baseboard, "SLANT FIN" RL-10.	1	0%	1	EA		\$ -	\$ 124	4	\$ 494	\$ 494
26	BB-1-26, Baseboard, "SLANT FIN" RL-10.	1	0%	1	EA		\$ -	\$ 124	4	\$ 494	\$ 494
27	BB-1-27, Baseboard, "SLANT FIN" RL-10.	1	0%	1	EA		\$ -	\$ 124	4	\$ 494	\$ 494
28	BB-1-28, Baseboard, "SLANT FIN" RL-10.	1	0%	1	EA		\$ -	\$ 124	4	\$ 494	\$ 494
29	BB-1-29, Baseboard, "SLANT FIN" RL-10.	1	0%	1	EA		\$ -	\$ 124	4	\$ 494	\$ 494
30	BB-1-30, Baseboard, "SLANT FIN" RL-10.	1	0%	1	EA		\$ -	\$ 124	4	\$ 494	\$ 494
31	BB-1-31, Baseboard, "SLANT FIN" RL-10.	1	0%	1	EA		\$ -	\$ 124	4	\$ 494	\$ 494
32	BB-1-32, Baseboard, "SLANT FIN" RL-10.	1	0%	1	EA		\$ -	\$ 124	4	\$ 494	\$ 494
33	BB-1-33, Baseboard, "SLANT FIN" RL-10.	1	0%	1	EA		\$ -	\$ 124	4	\$ 494	\$ 494
34	BB-1-34, Baseboard, "SLANT FIN" RL-10.	1	0%	1	EA		\$ -	\$ 124	4	\$ 494	\$ 494
35	BB-1-35, Baseboard, "SLANT FIN" RL-10.	1	0%	1	EA		\$ -	\$ 124	4	\$ 494	\$ 494
36	BB-1-36, Baseboard, "SLANT FIN" RL-10.	1	0%	1	EA		\$ -	\$ 124	4	\$ 494	\$ 494
37	BB-1-37, Baseboard, "SLANT FIN" RL-10.	1	0%	1	EA		\$ -	\$ 124	4	\$ 494	\$ 494
38	BB-1-38, Baseboard, "SLANT FIN" RL-10.	1	0%	1	EA		\$ -	\$ 124	4	\$ 494	\$ 494
39	BB-1-39, Baseboard, "SLANT FIN" RL-10.	1	0%	1	EA		\$ -	\$ 124	4	\$ 494	\$ 494
40	BB-1-40, Baseboard, "SLANT FIN" RL-10.	1	0%	1	EA		\$ -	\$ 124	4	\$ 494	\$ 494
41	BB-1-41, Baseboard, "SLANT FIN" RL-10.	1	0%	1	EA		\$ -	\$ 124	4	\$ 494	\$ 494
42	BB-1-42, Baseboard, "SLANT FIN" RL-10.	1	0%	1	EA		\$ -	\$ 124	4	\$ 494	\$ 494
43	BB-1-43, Baseboard, "SLANT FIN" RL-10.	1	0%	1	EA		\$ -	\$ 124	4	\$ 494	\$ 494
44	BB-1-44, Baseboard, "SLANT FIN" RL-10.	1	0%	1	EA		\$ -	\$ 124	4	\$ 494	\$ 494

197	BB-3-62, Baseboard, "SLANT FIN" RL-10.	1	0%	1	EA		\$ -	\$ 124	4	\$ 494	\$ 494
198	BB-3-63, Baseboard, "SLANT FIN" RL-10.	1	0%	1	EA		\$ -	\$ 124	4	\$ 494	\$ 494
199	BB-3-64, Baseboard, "SLANT FIN" RL-10.	1	0%	1	EA		\$ -	\$ 124	4	\$ 494	\$ 494
200	BB-3-65, Baseboard, "SLANT FIN" RL-10.	1	0%	1	EA		\$ -	\$ 124	4	\$ 494	\$ 494
201	BB-3-66, Baseboard, "SLANT FIN" RL-10.	1	0%	1	EA		\$ -	\$ 124	4	\$ 494	\$ 494
202	BB-3-67, Baseboard, "SLANT FIN" RL-10.	1	0%	1	EA		\$ -	\$ 124	4	\$ 494	\$ 494
203	BB-3-68, Baseboard, "SLANT FIN" RL-10.	1	0%	1	EA		\$ -	\$ 124	4	\$ 494	\$ 494
204	BB-3-69, Baseboard, "SLANT FIN" RL-10.	1	0%	1	EA		\$ -	\$ 124	4	\$ 494	\$ 494
205	BB-3-70, Baseboard, "SLANT FIN" RL-10.	1	0%	1	EA		\$ -	\$ 124	4	\$ 494	\$ 494
206	BB-3-71, Baseboard, "SLANT FIN" RL-10.	1	0%	1	EA		\$ -	\$ 124	4	\$ 494	\$ 494
207	BB-3-72, Baseboard, "SLANT FIN" RL-10.	1	0%	1	EA		\$ -	\$ 124	4	\$ 494	\$ 494
208	BB-3-73, Baseboard, "SLANT FIN" RL-10.	1	0%	1	EA		\$ -	\$ 124	4	\$ 494	\$ 494
209	BB-3-74, Baseboard, "SLANT FIN" RL-10.	1	0%	1	EA		\$ -	\$ 124	4	\$ 494	\$ 494
210	BB-3-75, Baseboard, "SLANT FIN" RL-10.	1	0%	1	EA		\$ -	\$ 124	4	\$ 494	\$ 494
211	BB-3-76, Baseboard, "SLANT FIN" RL-10.	1	0%	1	EA		\$ -	\$ 124	4	\$ 494	\$ 494
212	BB-3-77, Baseboard, "SLANT FIN" RL-10.	1	0%	1	EA		\$ -	\$ 124	4	\$ 494	\$ 494
213	BB-3-78, Baseboard, "SLANT FIN" RL-10.	1	0%	1	EA		\$ -	\$ 124	4	\$ 494	\$ 494
214	BB-4-1, Baseboard, "SLANT FIN" RL-10.	1	0%	1	EA		\$ -	\$ 124	4	\$ 494	\$ 494
CONTROL VALVE											
1	6"Dia CV-1, Chilled Water, "BRAY, BELIMO, OR APPROVED EQUAL" MKL2-C060/70-0121SVH, Valve Type: Bray High Performance Butterfly Valve, 2-Way, 120 VAC POWER V / PH / HZ.	1	0%	1	EA		\$ -	\$ 124	2	\$ 272	\$ 272
2	4"Dia CV-2, Chilled Water, "BRAY, BELIMO, OR APPROVED EQUAL" Belimo CCV Valve, 2-Way, Electronic Fail-Safe, Belimo CCV Valve, 24 VAC POWER V / PH / HZ.	1	0%	1	EA		\$ -	\$ 124	2	\$ 247	\$ 247
3	4"Dia CV-3, Chilled Water, "BRAY, BELIMO, OR APPROVED EQUAL" Belimo CCV Valve, 2-Way, Electronic Fail-Safe, Belimo CCV Valve, 24 VAC POWER V / PH / HZ.	1	0%	1	EA		\$ -	\$ 124	2	\$ 247	\$ 247
4	4"Dia CV-4, Chilled Water, "BRAY, BELIMO, OR APPROVED EQUAL" Belimo CCV Valve, 2-Way, Electronic Fail-Safe, Belimo CCV Valve, 24 VAC POWER V / PH / HZ.	1	0%	1	EA		\$ -	\$ 124	2	\$ 247	\$ 247
5	4"Dia CV-5, Chilled Water, "BRAY, BELIMO, OR APPROVED EQUAL" PROVIDED BY AERCO BOILER MANUFACTURER, 24 VAC POWER V / PH / HZ.	1	0%	1	EA		\$ -	\$ 124	2	\$ 247	\$ 247
6	4"Dia CV-6, Chilled Water, "BRAY, BELIMO, OR APPROVED EQUAL" PROVIDED BY AERCO BOILER MANUFACTURER, 24 VAC POWER V / PH / HZ.	1	0%	1	EA		\$ -	\$ 124	2	\$ 247	\$ 247
HOT WATER UNIT HEATER											
1	UH-1-1, Hot Water Unit Heater, "TRANE" S-A18, 16 Motor W, 1 MCA, 1.8 MOP, 115 V, 1 PH, 60 HZ. 1. Osha Fan Guard. 2. Bas Contractor To Provide Distech Controls Controller (BACNET/IP), 2-Way Valve, And Space Temperature Sensor (No Display).	1	0%	1	EA		\$ -	\$ 124	2	\$ 247	\$ 247
2	UH-1-2, Hot Water Unit Heater, "TRANE" S-A18, 16 Motor W, 1 MCA, 1.8 MOP, 115 V, 1 PH, 60 HZ. 1. Osha Fan Guard. 2. Bas Contractor To Provide Distech Controls Controller (BACNET/IP), 2-Way Valve, And Space Temperature Sensor (No Display).	1	0%	1	EA		\$ -	\$ 124	2	\$ 247	\$ 247
HOT WATER UNIT PIPING DETAIL											
1	3/4" Dia Ball Valve	4	0%	4	EA	\$ 8.32	\$ 33	\$ 124	2	\$ 217	\$ 251
2	3/4" Dia Combination Balancing Valve / Flow Measuring Station	2	0%	2	EA	\$ 148.98	\$ 298	\$ 124	1	\$ 136	\$ 434
3	3/4" Dia Drain Valve	2	0%	2	EA	\$ 8.12	\$ 16	\$ 124	1	\$ 109	\$ 125
4	3/4" Dia Manual Air Vent	4	0%	4	EA	\$ 6.44	\$ 26	\$ 124	2	\$ 217	\$ 243
5	3/4" Dia Union	4	0%	4	EA	\$ 3.53	\$ 14	\$ 124	3	\$ 358	\$ 372
LOUVERS											
1	PL-1, Penthouse Louver, "GREENHECK" WRH. 1. Aluminum Housing & Bird Screen. 2. Aluminum Curb Cap W/ Mounting Holes. 3. 18" Aluminum Insulated Roof Curb W/Curb With Seal.	1	0%	1	EA		\$ -	\$ 124	5	\$ 618	\$ 618
2	36"x16" Exhaust Louver, 1620 CFM	1	0%	1	EA		\$ -	\$ 124	2	\$ 284	\$ 284
3	48"x26" Intake Louver, 1620 CFM	1	0%	1	EA		\$ -	\$ 124	3	\$ 346	\$ 346
4	48"x36" Intake Louver, 3000 CFM	1	0%	1	EA		\$ -	\$ 124	4	\$ 494	\$ 494
5	68"x68" Intake Louver, 10600 CFM	1	0%	1	EA		\$ -	\$ 124	5	\$ 618	\$ 618
6	36"x26" Louver	1	0%	1	EA		\$ -	\$ 124	2	\$ 284	\$ 284
FIRE SMOKE DAMPER											
1	64"x18" FSD-1-1, Fire Smoke Damper, "RUSKIN" FSD60, 120 V, 1 PH, 60 HZ.	1	0%	1	EA		\$ -	\$ 124	5	\$ 556	\$ 556
2	64"x18" FSD-1-2, Fire Smoke Damper, "RUSKIN" FSD60, 120 V, 1 PH, 60 HZ.	1	0%	1	EA		\$ -	\$ 124	5	\$ 556	\$ 556
3	10"x6" FSD-1-3, Fire Smoke Damper, "RUSKIN" FSD60, 120 V, 1 PH, 60 HZ.	1	0%	1	EA		\$ -	\$ 124	1	\$ 124	\$ 124
4	6"x6" FSD-1-4, Fire Smoke Damper, "RUSKIN" FSD60, 120 V, 1 PH, 60 HZ.	1	0%	1	EA		\$ -	\$ 124	1	\$ 124	\$ 124
5	46"x24" FSD-1-5, Fire Smoke Damper, "RUSKIN" FSD60, 120 V, 1 PH, 60 HZ.	1	0%	1	EA		\$ -	\$ 124	4	\$ 432	\$ 432
6	46"x26" FSD-1-6, Fire Smoke Damper, "RUSKIN" FSD60, 120 V, 1 PH, 60 HZ.	1	0%	1	EA		\$ -	\$ 124	4	\$ 432	\$ 432
7	12"x10" FSD-1-7, Fire Smoke Damper, "RUSKIN" FSD60, 120 V, 1 PH, 60 HZ.	1	0%	1	EA		\$ -	\$ 124	1	\$ 136	\$ 136
8	6"x6" FSD-1-8, Fire Smoke Damper, "RUSKIN" FSD60, 120 V, 1 PH, 60 HZ.	1	0%	1	EA		\$ -	\$ 124	1	\$ 124	\$ 124
9	6"x8" FSD-1-9, Fire Smoke Damper, "RUSKIN" FSD60, 120 V, 1 PH, 60 HZ.	1	0%	1	EA		\$ -	\$ 124	1	\$ 124	\$ 124

10	46"x26" FSD-2-1, Fire Smoke Damper, "RUSKIN" FSD60, 120 V, 1 PH, 60 HZ.	1	0%	1	EA	\$ -	\$ 124	4	\$ 432	\$ 432
11	46"x26" FSD-2-2, Fire Smoke Damper, "RUSKIN" FSD60, 120 V, 1 PH, 60 HZ.	1	0%	1	EA	\$ -	\$ 124	4	\$ 432	\$ 432
12	8"x8" FSD-2-3, Fire Smoke Damper, "RUSKIN" FSD60, 120 V, 1 PH, 60 HZ.	1	0%	1	EA	\$ -	\$ 124	1	\$ 124	\$ 124
13	52"x26" FSD-2-4, Fire Smoke Damper, "RUSKIN" FSD60, 120 V, 1 PH, 60 HZ.	1	0%	1	EA	\$ -	\$ 124	4	\$ 432	\$ 432
14	52"x26" FSD-2-5, Fire Smoke Damper, "RUSKIN" FSD60, 120 V, 1 PH, 60 HZ.	1	0%	1	EA	\$ -	\$ 124	4	\$ 432	\$ 432
15	12"x10" FSD-2-6, Fire Smoke Damper, "RUSKIN" FSD60, 120 V, 1 PH, 60 HZ.	1	0%	1	EA	\$ -	\$ 124	1	\$ 124	\$ 124
16	10"x10" FSD-2-7, Fire Smoke Damper, "RUSKIN" FSD60, 120 V, 1 PH, 60 HZ.	1	0%	1	EA	\$ -	\$ 124	1	\$ 124	\$ 124
17	8"x6" FSD-2-8, Fire Smoke Damper, "RUSKIN" FSD60, 120 V, 1 PH, 60 HZ.	1	0%	1	EA	\$ -	\$ 124	1	\$ 124	\$ 124
18	46"x26" FSD-3-1, Fire Smoke Damper, "RUSKIN" FSD60, 120 V, 1 PH, 60 HZ.	1	0%	1	EA	\$ -	\$ 124	4	\$ 432	\$ 432
19	46"x26" FSD-3-2, Fire Smoke Damper, "RUSKIN" FSD60, 120 V, 1 PH, 60 HZ.	1	0%	1	EA	\$ -	\$ 124	4	\$ 432	\$ 432
20	46"x26" FSD-3-3, Fire Smoke Damper, "RUSKIN" FSD60, 120 V, 1 PH, 60 HZ.	1	0%	1	EA	\$ -	\$ 124	4	\$ 432	\$ 432
21	46"x26" FSD-3-4, Fire Smoke Damper, "RUSKIN" FSD60, 120 V, 1 PH, 60 HZ.	1	0%	1	EA	\$ -	\$ 124	4	\$ 432	\$ 432
22	10"x6" FSD-3-5, Fire Smoke Damper, "RUSKIN" FSD60, 120 V, 1 PH, 60 HZ.	1	0%	1	EA	\$ -	\$ 124	1	\$ 124	\$ 124
23	10"x8" FSD-3-6, Fire Smoke Damper, "RUSKIN" FSD60, 120 V, 1 PH, 60 HZ.	1	0%	1	EA	\$ -	\$ 124	1	\$ 124	\$ 124
24	46"x24" FSD-3-7, Fire Smoke Damper, "RUSKIN" FSD60, 120 V, 1 PH, 60 HZ.	1	0%	1	EA	\$ -	\$ 124	4	\$ 432	\$ 432
25	46"x26" FSD-3-8, Fire Smoke Damper, "RUSKIN" FSD60, 120 V, 1 PH, 60 HZ.	1	0%	1	EA	\$ -	\$ 124	4	\$ 432	\$ 432
26	52"x26" FSD-3-9, Fire Smoke Damper, "RUSKIN" FSD60, 120 V, 1 PH, 60 HZ.	1	0%	1	EA	\$ -	\$ 124	4	\$ 432	\$ 432
27	52"x26" FSD-3-10, Fire Smoke Damper, "RUSKIN" FSD60, 120 V, 1 PH, 60 HZ.	1	0%	1	EA	\$ -	\$ 124	4	\$ 432	\$ 432
28	10"x8" FSD-3-11, Fire Smoke Damper, "RUSKIN" FSD60, 120 V, 1 PH, 60 HZ.	1	0%	1	EA	\$ -	\$ 124	1	\$ 124	\$ 124
29	22"x10" FSD-3-12, Fire Smoke Damper, "RUSKIN" FSD60, 120 V, 1 PH, 60 HZ.	1	0%	1	EA	\$ -	\$ 124	1	\$ 173	\$ 173
30	14"x10" FSD-3-13, Fire Smoke Damper, "RUSKIN" FSD60, 120 V, 1 PH, 60 HZ.	1	0%	1	EA	\$ -	\$ 124	1	\$ 136	\$ 136
31	8"x10" FSD-3-14, Fire Smoke Damper, "RUSKIN" FSD60, 120 V, 1 PH, 60 HZ.	1	0%	1	EA	\$ -	\$ 124	1	\$ 124	\$ 124
32	28"x28" FSD-3-15, Fire Smoke Damper, "RUSKIN" FSD60, 120 V, 1 PH, 60 HZ.	1	0%	1	EA	\$ -	\$ 124	2	\$ 247	\$ 247
33	36"x26" FSD-4-1, Fire Smoke Damper, "RUSKIN" FSD60, 120 V, 1 PH, 60 HZ.	1	0%	1	EA	\$ -	\$ 124	2	\$ 247	\$ 247
FIRE DAMPERS										
1	6" Dia Fire Damper	1	0%	1	EA	\$ -	\$ 124	1	\$ 124	\$ 124
2	6"x6" Fire Damper	3	0%	3	EA	\$ -	\$ 124	3	\$ 371	\$ 371
3	8"x6" Fire Damper	1	0%	1	EA	\$ -	\$ 124	1	\$ 124	\$ 124
4	10"x8" Fire Damper	1	0%	1	EA	\$ -	\$ 124	1	\$ 124	\$ 124
5	10"x10" Fire Damper	1	0%	1	EA	\$ -	\$ 124	1	\$ 124	\$ 124
6	12"x12" Fire Damper	1	0%	1	EA	\$ -	\$ 124	1	\$ 136	\$ 136
7	16"x10" Fire Damper	1	0%	1	EA	\$ -	\$ 124	1	\$ 136	\$ 136
8	18"x10" Fire Damper	1	0%	1	EA	\$ -	\$ 124	1	\$ 161	\$ 161
9	18"x14" Fire Damper	1	0%	1	EA	\$ -	\$ 124	1	\$ 161	\$ 161
10	20"x10" Fire Damper	1	0%	1	EA	\$ -	\$ 124	1	\$ 173	\$ 173
11	30"x22" Fire Damper	1	0%	1	EA	\$ -	\$ 124	2	\$ 247	\$ 247
12	46"x20" Fire Damper	2	0%	2	EA	\$ -	\$ 124	5	\$ 642	\$ 642
13	48"x20" Fire Damper	1	0%	1	EA	\$ -	\$ 124	3	\$ 371	\$ 371
VOLUME DAMPERS										
1	4" Dia Volume Damper	3	0%	3	EA	\$ -	\$ 124	3	\$ 371	\$ 371
2	6" Dia Volume Damper	58	0%	58	EA	\$ -	\$ 124	58	\$ 7,164	\$ 7,164
3	6"x6" Volume Damper	26	0%	26	EA	\$ -	\$ 124	26	\$ 3,212	\$ 3,212
4	6"x8" Volume Damper	1	0%	1	EA	\$ -	\$ 124	1	\$ 124	\$ 124
5	8" Dia Volume Damper	118	0%	118	EA	\$ -	\$ 124	118	\$ 14,575	\$ 14,575
6	8"x10" Volume Damper	2	0%	2	EA	\$ -	\$ 124	2	\$ 247	\$ 247
7	8"x6" Volume Damper	15	0%	15	EA	\$ -	\$ 124	15	\$ 1,853	\$ 1,853
8	8"x8" Volume Damper	5	0%	5	EA	\$ -	\$ 124	5	\$ 618	\$ 618
9	10"x6" Volume Damper	2	0%	2	EA	\$ -	\$ 124	2	\$ 247	\$ 247
10	10"x8" Volume Damper	2	0%	2	EA	\$ -	\$ 124	2	\$ 247	\$ 247
11	10" Dia Volume Damper	282	0%	282	EA	\$ -	\$ 124	282	\$ 34,833	\$ 34,833
12	10"x12" Volume Damper	2	0%	2	EA	\$ -	\$ 124	2	\$ 247	\$ 247
13	12" Dia Volume Damper	24	0%	24	EA	\$ -	\$ 124	26	\$ 3,261	\$ 3,261
14	12"x6" Volume Damper	1	0%	1	EA	\$ -	\$ 124	1	\$ 136	\$ 136
15	12"x8" Volume Damper	2	0%	2	EA	\$ -	\$ 124	2	\$ 272	\$ 272
16	12"x10" Volume Damper	2	0%	2	EA	\$ -	\$ 124	2	\$ 272	\$ 272
17	12"x12" Volume Damper	2	0%	2	EA	\$ -	\$ 124	2	\$ 272	\$ 272
18	14"x6" Volume Damper	2	0%	2	EA	\$ -	\$ 124	2	\$ 272	\$ 272
19	14"x8" Volume Damper	1	0%	1	EA	\$ -	\$ 124	1	\$ 136	\$ 136
20	20"x16" Volume Damper	1	0%	1	EA	\$ -	\$ 124	1	\$ 173	\$ 173
21	38"x10" Volume Damper	1	0%	1	EA	\$ -	\$ 124	3	\$ 321	\$ 321
22	42"x22" Volume Damper	1	0%	1	EA	\$ -	\$ 124	3	\$ 321	\$ 321
23	46"x26" Volume Damper	1	0%	1	EA	\$ -	\$ 124	3	\$ 321	\$ 321
24	48"x22" Volume Damper	1	0%	1	EA	\$ -	\$ 124	3	\$ 371	\$ 371
25	52"x26" Volume Damper	1	0%	1	EA	\$ -	\$ 124	4	\$ 432	\$ 432
26	54"x22" Volume Damper	1	0%	1	EA	\$ -	\$ 124	4	\$ 432	\$ 432
27	54"x24" Volume Damper	1	0%	1	EA	\$ -	\$ 124	4	\$ 432	\$ 432
28	60"x24" Volume Damper	1	0%	1	EA	\$ -	\$ 124	4	\$ 494	\$ 494
29	64"x20" Volume Damper	1	0%	1	EA	\$ -	\$ 124	4	\$ 494	\$ 494
30	66"x24" Volume Damper	2	0%	2	EA	\$ -	\$ 124	8	\$ 988	\$ 988
31	72"x16" Volume Damper	2	0%	2	EA	\$ -	\$ 124	9	\$ 1,112	\$ 1,112
32	80"x24" Volume Damper	1	0%	1	EA	\$ -	\$ 124	5	\$ 618	\$ 618
33	90"x24" Volume Damper	1	0%	1	EA	\$ -	\$ 124	6	\$ 741	\$ 741
MOTORIZED DAMPERS										

1	14"x10" Motorized Damper	1	0%	1	EA	\$ -	\$ 124	2	\$ 259	\$ 259	
2	18"x16" Motorized Damper	2	0%	2	EA	\$ -	\$ 124	5	\$ 568	\$ 568	
3	20"x16" Motorized Damper	1	0%	1	EA	\$ -	\$ 124	2	\$ 296	\$ 296	
4	20"x20" Motorized Damper	1	0%	1	EA	\$ -	\$ 124	2	\$ 296	\$ 296	
5	48"x26" Motorized Damper	1	0%	1	EA	\$ -	\$ 124	5	\$ 556	\$ 556	
6	48"x36" Motorized Damper	1	0%	1	EA	\$ -	\$ 124	5	\$ 556	\$ 556	
7	68"x68" Motorized Damper	1	0%	1	EA	\$ -	\$ 124	6	\$ 679	\$ 679	
SMOKE DETECTOR											
1	SD-1-1, Smoke Detector	1	0%	1	EA	\$ -	\$ 124	1	\$ 62	\$ 62	
2	SD-1-2, Smoke Detector	1	0%	1	EA	\$ -	\$ 124	1	\$ 62	\$ 62	
3	SD-3-1, Smoke Detector	1	0%	1	EA	\$ -	\$ 124	1	\$ 62	\$ 62	
4	SD-3-2, Smoke Detector	1	0%	1	EA	\$ -	\$ 124	1	\$ 62	\$ 62	
5	SD-3-3, Smoke Detector	1	0%	1	EA	\$ -	\$ 124	1	\$ 62	\$ 62	
6	SD-3-4, Smoke Detector	1	0%	1	EA	\$ -	\$ 124	1	\$ 62	\$ 62	
7	SD-3-5, Smoke Detector	1	0%	1	EA	\$ -	\$ 124	1	\$ 62	\$ 62	
8	SD-3-6, Smoke Detector	1	0%	1	EA	\$ -	\$ 124	1	\$ 62	\$ 62	
9	SD-3-7, Smoke Detector	1	0%	1	EA	\$ -	\$ 124	1	\$ 62	\$ 62	
10	SD-3-8, Smoke Detector	1	0%	1	EA	\$ -	\$ 124	1	\$ 62	\$ 62	
11	SD-3-9, Smoke Detector	1	0%	1	EA	\$ -	\$ 124	1	\$ 62	\$ 62	
12	SD-3-10, Smoke Detector	1	0%	1	EA	\$ -	\$ 124	1	\$ 62	\$ 62	
13	SD-3-11, Smoke Detector	1	0%	1	EA	\$ -	\$ 124	1	\$ 62	\$ 62	
14	SD-3-12, Smoke Detector	1	0%	1	EA	\$ -	\$ 124	1	\$ 62	\$ 62	
15	SD-4-1, Smoke Detector	1	0%	1	EA	\$ -	\$ 124	1	\$ 62	\$ 62	
16	SD-4-2, Smoke Detector	1	0%	1	EA	\$ -	\$ 124	1	\$ 62	\$ 62	
17	SD-4-3, Smoke Detector	1	0%	1	EA	\$ -	\$ 124	1	\$ 62	\$ 62	
18	SD-4-4, Smoke Detector	1	0%	1	EA	\$ -	\$ 124	1	\$ 62	\$ 62	
SENSORS											
1	SP, Static Pressure Sensor	8	0%	8	EA	\$ -	\$ 124	4	\$ 494	\$ 494	
2	DP, Differential Pressure Sensor	7	0%	7	EA	\$ -	\$ 124	4	\$ 432	\$ 432	
3	SD, Wall Mounted Smoke Detector	2	0%	2	EA	\$ -	\$ 124	1	\$ 124	\$ 124	
4	TS, Wall Mounted Thermostat / Temperature Sensor	177	0%	177	EA	\$ -	\$ 124	89	\$ 10,932	\$ 10,932	
5	RS, Wall Mounted Refrigerant Leak Detector	4	0%	4	EA	\$ -	\$ 124	2	\$ 247	\$ 247	
6	SW, Wall Mounted Emergency Shut off Switch	9	0%	9	EA	\$ -	\$ 124	7	\$ 834	\$ 834	
7	CG, Ceiling Mounted Combustible Gas Sensor	2	0%	2	EA	\$ -	\$ 124	2	\$ 247	\$ 247	
THERMOMETER											
1	Thermometer	16	0%	16	EA	\$ -	\$ 124	8	\$ 988	\$ 988	
2-WAY CONTROL VALVE											
1	3/4" Dia Two Way Control Valve	248	0%	248	EA	\$ -	\$ 124	136	\$ 16,848	\$ 16,848	
VALVES											
1	8" Dia Isolation Valve	2	0%	2	EA	\$ -	\$ 124	6	\$ 741	\$ 741	
2	10" Dia Isolation Valve	2	0%	2	EA	\$ -	\$ 124	7	\$ 865	\$ 865	
3	1" Dia Gate Valve	4	0%	4	EA	\$ -	\$ 124	2	\$ 296	\$ 296	
4	1-1/2" Dia Gate Valve	14	0%	14	EA	\$ -	\$ 124	12	\$ 1,522	\$ 1,522	
5	2" Dia Gate Valve	4	0%	4	EA	\$ -	\$ 124	3	\$ 395	\$ 395	
6	2-1/2" Dia Gate Valve	10	0%	10	EA	\$ -	\$ 124	10	\$ 1,235	\$ 1,235	
7	3" Dia Gate Valve	2	0%	2	EA	\$ -	\$ 124	2	\$ 296	\$ 296	
8	6" Dia Gate Valve	10	0%	10	EA	\$ -	\$ 124	25	\$ 3,088	\$ 3,088	
9	8" Dia Gate Valve	19	0%	19	EA	\$ -	\$ 124	57	\$ 7,041	\$ 7,041	
10	10" Dia Gate Valve	10	0%	10	EA	\$ -	\$ 124	35	\$ 4,323	\$ 4,323	
11	2-1/2" Dia Shutoff Valve	2	0%	2	EA	\$ -	\$ 124	2	\$ 247	\$ 247	
12	3" Dia Shutoff Valve	2	0%	2	EA	\$ -	\$ 124	2	\$ 296	\$ 296	
13	4" Dia Shutoff Valve	14	0%	14	EA	\$ -	\$ 124	28	\$ 3,459	\$ 3,459	
14	6" Dia Shutoff Valve	4	0%	4	EA	\$ -	\$ 124	10	\$ 1,235	\$ 1,235	
15	8" Dia Shutoff Valve	1	0%	1	EA	\$ -	\$ 124	3	\$ 371	\$ 371	
16	6" Dia Check Valve	4	0%	4	EA	\$ -	\$ 124	10	\$ 1,235	\$ 1,235	
17	8" Dia Check Valve	4	0%	4	EA	\$ -	\$ 124	12	\$ 1,482	\$ 1,482	
18	10" Dia Check Valve	2	0%	2	EA	\$ -	\$ 124	7	\$ 865	\$ 865	
19	2-1/2 Dia Balancing Valve	4	0%	4	EA	\$ -	\$ 124	6	\$ 761	\$ 761	
20	3" Dia Balancing Valve	2	0%	2	EA	\$ -	\$ 124	3	\$ 380	\$ 380	
21	6" Dia Balancing Valve	2	0%	2	EA	\$ -	\$ 124	6	\$ 679	\$ 679	
22	8" Dia Balancing Valve	6	0%	6	EA	\$ -	\$ 124	20	\$ 2,446	\$ 2,446	
23	10" Dia Balancing Valve	4	0%	4	EA	\$ -	\$ 124	15	\$ 1,902	\$ 1,902	
24	8" Dia Strainer With Drain Valve	4	0%	4	EA	\$ -	\$ 124	12	\$ 1,482	\$ 1,482	
25	10" Dia Strainer With Drain Valve	2	0%	2	EA	\$ -	\$ 124	7	\$ 865	\$ 865	
26	3/4" Dia Drain Valve With Cap	1	0%	1	EA	\$ -	\$ 124	0.4	\$ 54	\$ 54	
27	1-1/2" Dia Drain Valve With Hose End Cap	2	0%	2	EA	\$ -	\$ 124	1	\$ 173	\$ 173	
28	1" Dia Drain Valve With Cap	4	0%	4	EA	\$ -	\$ 124	2	\$ 296	\$ 296	
29	1" Dia Manual Blowdown Valve W/Cap	3	0%	3	EA	\$ -	\$ 124	2	\$ 222	\$ 222	
FLEXIBLE CONNECTOR											
1	46"x24" Flexible Connector	1	0%	1	EA	\$ 54.64	\$ 55	\$ 124	1	\$ 124	\$ 178

2	46"x26" Flexible Connector	4	0%	4	EA	\$ 54.64	\$ 219	\$ 124	4	\$ 494	\$ 713
3	48"x26" Flexible Connector	1	0%	1	EA	\$ 58.98	\$ 59	\$ 124	1	\$ 124	\$ 183
4	52"x23" Flexible Connector	1	0%	1	EA	\$ 74.64	\$ 75	\$ 124	1	\$ 148	\$ 223
5	52"x26" Flexible Connector	1	0%	1	EA	\$ 75.78	\$ 76	\$ 124	1	\$ 148	\$ 224
6	54"x20" Flexible Connector	1	0%	1	EA	\$ 82.34	\$ 82	\$ 124	1	\$ 148	\$ 231
7	54"x24" Flexible Connector	1	0%	1	EA	\$ 85.62	\$ 86	\$ 124	1	\$ 124	\$ 209
FLEXIBLE CONNECTION											
1	16"x16" Flexible Connection	1	0%	1	EA	\$ 21.32	\$ 21	\$ 124	1	\$ 62	\$ 83
2	18"x10" Flexible Connection	1	0%	1	EA	\$ 26.65	\$ 27	\$ 124	1	\$ 74	\$ 101
3	18"x12" Flexible Connection	2	0%	2	EA	\$ 26.78	\$ 54	\$ 124	1	\$ 148	\$ 202
4	42"x7" Flexible Connection	2	0%	2	EA	\$ 56.67	\$ 113	\$ 124	2	\$ 247	\$ 360
5	44"x10" Flexible Connection	1	0%	1	EA	\$ 58.82	\$ 59	\$ 124	1	\$ 124	\$ 182
BIRDS SCREEN											
1	1/2"x1/2" Bird Screen	6	0%	6	EA	\$ 49.98	\$ 300	\$ 124	3	\$ 371	\$ 670
WALL OPENING TERMINATE											
1	Wall Opening Terminate, 30"x30" Neck Size, 18"x18" W/ WMS, 3000 CFM	1	0%	1	EA	\$ 84.78	\$ 85	\$ 124	1	\$ 93	\$ 177
2	Wall Opening Terminate, 40"x40" Neck Size, 30"x30" W/ WMS, 10600 CFM	1	0%	1	EA	\$ 134.48	\$ 134	\$ 124	1	\$ 124	\$ 258
HOT WATER SUPPLY PIPE											
Schedule 40, Grade B steel pipe; Class 125, cast-iron fittings, and threaded joints											
1	3/4" Dia Hot Water Supply Pipe	4883	10%	5371	LFT	\$ 2.62	\$ 14,050	\$ 124	269	\$ 33,173	\$ 47,223
2	1" Dia Hot Water Supply Pipe	579	10%	637	LFT	\$ 2.96	\$ 1,887	\$ 124	38	\$ 4,720	\$ 6,607
3	1-1/4" Dia Hot Water Supply Pipe	804	10%	884	LFT	\$ 4.02	\$ 3,554	\$ 124	62	\$ 7,647	\$ 11,201
4	1-1/2" Dia Hot Water Supply Pipe	654	10%	719	LFT	\$ 4.81	\$ 3,462	\$ 124	58	\$ 7,109	\$ 10,571
5	2" Dia Hot Water Supply Pipe	1200	10%	1320	LFT	\$ 7.44	\$ 9,817	\$ 124	106	\$ 13,044	\$ 22,861
Schedule 40 steel pipe, wrought-steel fittings and wrought-cast or forged-steel flanges and flange fittings, and welded and flanged joints											
6	2-1/2" Dia Hot Water Supply Pipe	174	10%	191	LFT	\$ 12.67	\$ 2,425	\$ 124	34	\$ 4,256	\$ 6,681
7	3" Dia Hot Water Supply Pipe	36	10%	40	LFT	\$ 16.36	\$ 648	\$ 124	7	\$ 880	\$ 1,528
8	4" Dia Hot Water Supply Pipe	299	10%	329	LFT	\$ 23.84	\$ 7,842	\$ 124	66	\$ 8,125	\$ 15,967
9	6" Dia Hot Water Supply Pipe	323	10%	355	LFT	\$ 35.42	\$ 12,585	\$ 124	107	\$ 13,166	\$ 25,751
10	8" Dia Hot Water Supply Pipe	88	10%	97	LFT	\$ 41.56	\$ 4,045	\$ 124	29	\$ 3,607	\$ 7,652
HOT WATER SUPPLY PIPE INSULATION											
1-1/2" Thick, Mineral-Fiber, Preformed Pipe Insulation, Type I.											
1	3/4" Dia Hot Water Supply Pipe	4883	10%	5371	LFT	\$ 0.36	\$ 1,927	\$ 118	107	\$ 12,642	\$ 14,569
2	1" Dia Hot Water Supply Pipe	579	10%	637	LFT	\$ 0.39	\$ 251	\$ 118	25	\$ 2,998	\$ 3,249
3	1-1/4" Dia Hot Water Supply Pipe	804	10%	884	LFT	\$ 0.42	\$ 373	\$ 118	35	\$ 4,163	\$ 4,536
2" Thick, Mineral-Fiber, Preformed Pipe Insulation, Type I.											
4	1-1/2" Dia Hot Water Supply Pipe	654	10%	719	LFT	\$ 0.45	\$ 325	\$ 118	29	\$ 3,386	\$ 3,712
5	2" Dia Hot Water Supply Pipe	1200	10%	1320	LFT	\$ 0.64	\$ 840	\$ 118	53	\$ 6,214	\$ 7,053
6	2-1/2" Dia Hot Water Supply Pipe	174	10%	191	LFT	\$ 0.79	\$ 150	\$ 118	10	\$ 1,126	\$ 1,277
7	3" Dia Hot Water Supply Pipe	36	10%	40	LFT	\$ 0.83	\$ 33	\$ 118	2	\$ 233	\$ 266
8	4" Dia Hot Water Supply Pipe	299	10%	329	LFT	\$ 1.04	\$ 340	\$ 118	20	\$ 2,322	\$ 2,663
9	6" Dia Hot Water Supply Pipe	323	10%	355	LFT	\$ 1.39	\$ 495	\$ 118	21	\$ 2,509	\$ 3,003
10	8" Dia Hot Water Supply Pipe	88	10%	97	LFT	\$ 1.57	\$ 153	\$ 118	7	\$ 802	\$ 955
HOT WATER SUPPLY PIPE FITTING											
ELBOW											
1	3/4" Dia Hot Water Supply Pipe 90 Deg Elbow	499	0%	499	EA	\$ 4.14	\$ 2,066	\$ 124	274	\$ 33,900	\$ 35,966
2	1" Dia Hot Water Supply Pipe 90 Deg Elbow	27	0%	27	EA	\$ 4.91	\$ 133	\$ 124	16	\$ 2,001	\$ 2,134
3	1-1/4" Dia Hot Water Supply Pipe 90 Deg Elbow	33	0%	33	EA	\$ 6.96	\$ 230	\$ 124	23	\$ 2,853	\$ 3,083
4	1-1/2" Dia Hot Water Supply Pipe 90 Deg Elbow	39	0%	39	EA	\$ 9.63	\$ 376	\$ 124	29	\$ 3,613	\$ 3,989
5	2" Dia Hot Water Supply Pipe 90 Deg Elbow	63	0%	63	EA	\$ 15.04	\$ 948	\$ 124	50	\$ 6,225	\$ 7,173
6	2-1/2" Dia Hot Water Supply Pipe 90 Deg Elbow	12	0%	12	EA	\$ 36.04	\$ 432	\$ 124	22	\$ 2,668	\$ 3,101
7	3" Dia Hot Water Supply Pipe 90 Deg Elbow	4	0%	4	EA	\$ 59.03	\$ 236	\$ 124	8	\$ 939	\$ 1,175
8	4" Dia Hot Water Supply Pipe 90 Deg Elbow	21	0%	21	EA	\$ 109.43	\$ 2,298	\$ 124	42	\$ 5,188	\$ 7,486
9	6" Dia Hot Water Supply Pipe 90 Deg Elbow	26	0%	26	EA	\$ 325.45	\$ 8,462	\$ 124	78	\$ 9,635	\$ 18,096
10	8" Dia Hot Water Supply Pipe 90 Deg Elbow	6	0%	6	EA	\$ 759.66	\$ 4,558	\$ 124	23	\$ 2,890	\$ 7,448
11	3/4" Dia Hot Water Supply Pipe 45 Deg Elbow	5	0%	5	EA	\$ 6.12	\$ 31	\$ 124	3	\$ 340	\$ 370
12	1-1/2" Dia Hot Water Supply Pipe 45 Deg Elbow	1	0%	1	EA	\$ 15.99	\$ 16	\$ 124	1	\$ 93	\$ 109
13	2" Dia Hot Water Supply Pipe 45 Deg Elbow	5	0%	5	EA	\$ 18.44	\$ 92	\$ 124	4	\$ 494	\$ 586
TEE											
1	3/4" Dia Hot Water Supply Pipe Tee	112	0%	112	EA	\$ 7.22	\$ 809	\$ 124	90	\$ 11,067	\$ 11,876
2	1" Dia Hot Water Supply Pipe Tee	1	0%	1	EA	\$ 6.43	\$ 6	\$ 124	1	\$ 111	\$ 118
3	1-1/2" Dia Hot Water Supply Pipe Tee	1	0%	1	EA	\$ 15.25	\$ 15	\$ 124	1	\$ 142	\$ 157
4	2" Dia Hot Water Supply Pipe Tee	2	0%	2	EA	\$ 21.23	\$ 42	\$ 124	2	\$ 296	\$ 339
5	4" Dia Hot Water Supply Pipe Tee	1	0%	1	EA	\$ 165.11	\$ 165	\$ 124	3	\$ 371	\$ 536
6	1" / 3/4" Dia Hot Water Supply Pipe Tee	28	0%	28	EA	\$ 8.70	\$ 244	\$ 124	27	\$ 3,355	\$ 3,598
7	1-1/4" / 3/4" Dia Hot Water Supply Pipe Tee	45	0%	45	EA	\$ 12.58	\$ 566	\$ 124	46	\$ 5,670	\$ 6,236
8	1-1/2" / 3/4" Dia Hot Water Supply Pipe Tee	34	0%	34	EA	\$ 16.33	\$ 555	\$ 124	36	\$ 4,452	\$ 5,007

9	2" / 3/4" Dia Hot Water Supply Pipe Tee	39	0%	39	EA	\$ 21.43	\$ 836	\$ 124	43	\$ 5,299	\$ 6,135
10	2" / 1" Dia Hot Water Supply Pipe Tee	1	0%	1	EA	\$ 21.43	\$ 21	\$ 124	1	\$ 143	\$ 165
11	2-1/2" / 3/4" Dia Hot Water Supply Pipe Tee	1	0%	1	EA	\$ 61.33	\$ 61	\$ 124	2	\$ 267	\$ 328
12	2-1/2" / 2" Dia Hot Water Supply Pipe Tee	4	0%	4	EA	\$ 62.55	\$ 250	\$ 124	9	\$ 1,087	\$ 1,337
13	3" / 3/4" Dia Hot Water Supply Pipe Tee	1	0%	1	EA	\$ 88.57	\$ 89	\$ 124	2	\$ 279	\$ 368
14	3" / 1-1/2" Dia Hot Water Supply Pipe Tee	1	0%	1	EA	\$ 108.99	\$ 109	\$ 124	2	\$ 284	\$ 393
15	4" / 1-1/2" Dia Hot Water Supply Pipe Tee	1	0%	1	EA	\$ 217.61	\$ 218	\$ 124	2	\$ 296	\$ 514
16	4" / 2-1/2" Dia Hot Water Supply Pipe Tee	1	0%	1	EA	\$ 200.53	\$ 201	\$ 124	3	\$ 364	\$ 565
17	6" / 3/4" Dia Hot Water Supply Pipe Tee	1	0%	1	EA	\$ 415.55	\$ 416	\$ 124	4	\$ 488	\$ 903
18	6" / 1" Dia Hot Water Supply Pipe Tee	1	0%	1	EA	\$ 570.68	\$ 571	\$ 124	4	\$ 494	\$ 1,065
19	6" / 1-1/2" Dia Hot Water Supply Pipe Tee	1	0%	1	EA	\$ 588.42	\$ 588	\$ 124	4	\$ 494	\$ 1,083
20	6" / 2" Dia Hot Water Supply Pipe Tee	3	0%	3	EA	\$ 605.47	\$ 1,816	\$ 124	12	\$ 1,482	\$ 3,299
21	6" / 2-1/2" Dia Hot Water Supply Pipe Tee	1	0%	1	EA	\$ 630.97	\$ 631	\$ 124	4	\$ 494	\$ 1,125
22	6" / 4" Dia Hot Water Supply Pipe Tee	1	0%	1	EA	\$ 680.95	\$ 681	\$ 124	5	\$ 556	\$ 1,237
REDUCER											
1	1" / 3/4" Dia Hot Water Supply Pipe Reducer	10	0%	10	EA	\$ 7.53	\$ 75	\$ 124	20	\$ 2,470	\$ 2,546
2	1-1/4" / 3/4" Dia Hot Water Supply Pipe Reducer	1	0%	1	EA	\$ 14.57	\$ 15	\$ 124	1	\$ 82	\$ 96
3	1-1/4" / 1" Dia Hot Water Supply Pipe Reducer	10	0%	10	EA	\$ 19.52	\$ 195	\$ 124	7	\$ 815	\$ 1,010
4	1-1/2" / 1-1/4" Dia Hot Water Supply Pipe Reducer	12	0%	12	EA	\$ 27.62	\$ 331	\$ 124	9	\$ 1,097	\$ 1,428
5	2" / 1-1/2" Dia Hot Water Supply Pipe Reducer	12	0%	12	EA	\$ 36.12	\$ 433	\$ 124	9	\$ 1,156	\$ 1,590
6	2-1/2" / 2" Dia Hot Water Supply Pipe Reducer	5	0%	5	EA	\$ 51.33	\$ 257	\$ 124	7	\$ 803	\$ 1,060
7	3" / 2" Dia Hot Water Supply Pipe Reducer	1	0%	1	EA	\$ 62.91	\$ 63	\$ 124	1	\$ 167	\$ 230
8	3" / 2-1/2" Dia Hot Water Supply Pipe Reducer	1	0%	1	EA	\$ 73.58	\$ 74	\$ 124	2	\$ 229	\$ 302
9	4" / 2-1/2" Dia Hot Water Supply Pipe Reducer	1	0%	1	EA	\$ 174.80	\$ 175	\$ 124	2	\$ 235	\$ 409
10	4" / 3" Dia Hot Water Supply Pipe Reducer	1	0%	1	EA	\$ 174.80	\$ 175	\$ 124	2	\$ 241	\$ 416
11	6" / 4" Dia Hot Water Supply Pipe Reducer	1	0%	1	EA	\$ 316.84	\$ 317	\$ 124	3	\$ 309	\$ 626
HOT WATER RETURN PIPE											
Schedule 40, Grade B steel pipe; Class 125, cast-iron fittings, and threaded joints											
1	3/4" Dia Hot Water Return Pipe	4468	10%	4915	LFT	\$ 2.62	\$ 12,856	\$ 124	246	\$ 30,354	\$ 43,210
2	1" Dia Hot Water Return Pipe	387	10%	426	LFT	\$ 2.96	\$ 1,261	\$ 124	26	\$ 3,155	\$ 4,416
3	1-1/4" Dia Hot Water Return Pipe	830	10%	913	LFT	\$ 4.02	\$ 3,669	\$ 124	64	\$ 7,894	\$ 11,563
4	1-1/2" Dia Hot Water Return Pipe	890	10%	979	LFT	\$ 4.81	\$ 4,712	\$ 124	78	\$ 9,674	\$ 14,386
5	2" Dia Hot Water Return Pipe	939	10%	1033	LFT	\$ 7.44	\$ 7,682	\$ 124	83	\$ 10,207	\$ 17,889
Schedule 40 steel pipe, wrought-steel fittings and wrought-cast or forged-steel flanges and flange fittings, and welded and flanged joints											
6	2-1/2" Dia Hot Water Return Pipe	236	10%	260	LFT	\$ 12.67	\$ 3,290	\$ 124	47	\$ 5,772	\$ 9,062
7	3" Dia Hot Water Return Pipe	254	10%	279	LFT	\$ 16.36	\$ 4,570	\$ 124	50	\$ 6,212	\$ 10,782
8	4" Dia Hot Water Return Pipe	264	10%	290	LFT	\$ 23.84	\$ 6,924	\$ 124	58	\$ 7,174	\$ 14,098
9	6" Dia Hot Water Return Pipe	377	10%	415	LFT	\$ 35.42	\$ 14,689	\$ 124	124	\$ 15,367	\$ 30,056
HOT WATER RETURN PIPE INSULATION											
1-1/2" Thick, Mineral-Fiber, Preformed Pipe Insulation, Type I.											
1	3/4" Dia Hot Water Return Pipe	4468	10%	4915	LFT	\$ 0.36	\$ 1,763	\$ 118	98	\$ 11,567	\$ 13,331
2	1" Dia Hot Water Return Pipe	387	10%	426	LFT	\$ 0.39	\$ 168	\$ 118	17	\$ 2,004	\$ 2,172
3	1-1/4" Dia Hot Water Return Pipe	830	10%	913	LFT	\$ 0.42	\$ 385	\$ 118	37	\$ 4,298	\$ 4,682
2" Thick, Mineral-Fiber, Preformed Pipe Insulation, Type I.											
4	1-1/2" Dia Hot Water Return Pipe	890	10%	979	LFT	\$ 0.45	\$ 443	\$ 118	39	\$ 4,608	\$ 5,051
5	2" Dia Hot Water Return Pipe	939	10%	1033	LFT	\$ 0.64	\$ 657	\$ 118	41	\$ 4,862	\$ 5,519
6	2-1/2" Dia Hot Water Return Pipe	236	10%	260	LFT	\$ 0.79	\$ 204	\$ 118	13	\$ 1,527	\$ 1,732
7	3" Dia Hot Water Return Pipe	254	10%	279	LFT	\$ 0.83	\$ 233	\$ 118	14	\$ 1,644	\$ 1,877
8	4" Dia Hot Water Return Pipe	264	10%	290	LFT	\$ 1.04	\$ 301	\$ 118	17	\$ 2,050	\$ 2,351
9	6" Dia Hot Water Return Pipe	377	10%	415	LFT	\$ 1.39	\$ 577	\$ 118	25	\$ 2,928	\$ 3,505
HOT WATER PIPE FITTING											
ELBOW											
1	3/4" Dia Hot Water Return Pipe 90 Deg Elbow	495	0%	495	EA	\$ 4.14	\$ 2,049	\$ 124	272	\$ 33,628	\$ 35,678
2	1" Dia Hot Water Return Pipe 90 Deg Elbow	21	0%	21	EA	\$ 4.91	\$ 103	\$ 124	13	\$ 1,556	\$ 1,659
3	1-1/4" Dia Hot Water Return Pipe 90 Deg Elbow	33	0%	33	EA	\$ 6.96	\$ 230	\$ 124	23	\$ 2,853	\$ 3,083
4	1-1/2" Dia Hot Water Return Pipe 90 Deg Elbow	41	0%	41	EA	\$ 9.63	\$ 395	\$ 124	31	\$ 3,798	\$ 4,193
5	2" Dia Hot Water Return Pipe 90 Deg Elbow	62	0%	62	EA	\$ 15.04	\$ 932	\$ 124	50	\$ 6,127	\$ 7,059
6	2-1/2" Dia Hot Water Return Pipe 90 Deg Elbow	13	0%	13	EA	\$ 36.04	\$ 469	\$ 124	23	\$ 2,890	\$ 3,359
7	3" Dia Hot Water Return Pipe 90 Deg Elbow	14	0%	14	EA	\$ 59.03	\$ 826	\$ 124	27	\$ 3,286	\$ 4,112
8	4" Dia Hot Water Return Pipe 90 Deg Elbow	20	0%	20	EA	\$ 109.43	\$ 2,189	\$ 124	40	\$ 4,941	\$ 7,129
9	6" Dia Hot Water Return Pipe 90 Deg Elbow	33	0%	33	EA	\$ 325.45	\$ 10,740	\$ 124	99	\$ 12,228	\$ 22,968
10	3/4" Dia Hot Water Return Pipe 45 Deg Elbow	4	0%	4	EA	\$ 6.12	\$ 24	\$ 124	2	\$ 272	\$ 296
11	1-1/2" Dia Hot Water Return Pipe 45 Deg Elbow	1	0%	1	EA	\$ 15.99	\$ 16	\$ 124	1	\$ 93	\$ 109
12	3" Dia Hot Water Return Pipe 45 Deg Elbow	2	0%	2	EA	\$ 75.94	\$ 152	\$ 124	4	\$ 469	\$ 621
TEE											
1	3/4" Dia Hot Water Return Pipe Tee	65	0%	65	EA	\$ 7.22	\$ 469	\$ 124	52	\$ 6,423	\$ 6,892
2	1" Dia Hot Water Return Pipe Tee	2	0%	2	EA	\$ 6.43	\$ 13	\$ 124	2	\$ 222	\$ 235
3	1-1/2" Dia Hot Water Return Pipe Tee	1	0%	1	EA	\$ 15.25	\$ 15	\$ 124	1	\$ 142	\$ 157
4	4" Dia Hot Water Return Pipe Tee	1	0%	1	EA	\$ 165.11	\$ 165	\$ 124	3	\$ 371	\$ 536
5	1" / 3/4" Dia Hot Water Return Pipe Tee	13	0%	13	EA	\$ 8.70	\$ 113	\$ 124	13	\$ 1,558	\$ 1,671

6	1-1/4" / 3/4" Dia Hot Water Return Pipe Tee	40	0%	40	EA	\$ 12.58	\$ 503	\$ 124	41	\$ 5,040	\$ 5,543
7	1-1/2" / 3/4" Dia Hot Water Return Pipe Tee	38	0%	38	EA	\$ 16.33	\$ 621	\$ 124	40	\$ 4,975	\$ 5,596
8	2" / 3/4" Dia Hot Water Return Pipe Tee	42	0%	42	EA	\$ 21.43	\$ 900	\$ 124	46	\$ 5,707	\$ 6,607
9	2-1/2" / 1-1/4" Dia Hot Water Return Pipe Tee	1	0%	1	EA	\$ 62.55	\$ 63	\$ 124	2	\$ 269	\$ 332
10	2-1/2" / 2" Dia Hot Water Return Pipe Tee	4	0%	4	EA	\$ 62.55	\$ 250	\$ 124	9	\$ 1,087	\$ 1,337
11	3" / 3/4" Dia Hot Water Return Pipe Tee	6	0%	6	EA	\$ 88.57	\$ 531	\$ 124	14	\$ 1,675	\$ 2,206
12	3" / 1-1/2" Dia Hot Water Return Pipe Tee	1	0%	1	EA	\$ 108.99	\$ 109	\$ 124	2	\$ 284	\$ 393
13	3" / 2" Dia Hot Water Return Pipe Tee	2	0%	2	EA	\$ 93.74	\$ 187	\$ 124	6	\$ 692	\$ 879
14	4" / 1-1/2" Dia Hot Water Return Pipe Tee	1	0%	1	EA	\$ 217.61	\$ 218	\$ 124	2	\$ 296	\$ 514
15	4" / 2-1/2" Dia Hot Water Return Pipe Tee	1	0%	1	EA	\$ 200.53	\$ 201	\$ 124	3	\$ 364	\$ 565
16	6" / 3/4" Dia Hot Water Return Pipe Tee	1	0%	1	EA	\$ 415.55	\$ 416	\$ 124	4	\$ 488	\$ 903
17	6" / 1" Dia Hot Water Return Pipe Tee	1	0%	1	EA	\$ 570.68	\$ 571	\$ 124	4	\$ 494	\$ 1,065
18	6" / 1-1/2" Dia Hot Water Return Pipe Tee	1	0%	1	EA	\$ 588.42	\$ 588	\$ 124	4	\$ 494	\$ 1,083
19	6" / 2" Dia Hot Water Return Pipe Tee	1	0%	1	EA	\$ 605.47	\$ 605	\$ 124	4	\$ 494	\$ 1,100
20	6" / 2-1/2" Dia Hot Water Return Pipe Tee	1	0%	1	EA	\$ 814.59	\$ 815	\$ 124	4	\$ 494	\$ 1,309
21	6" / 3" Dia Hot Water Return Pipe Tee	1	0%	1	EA	\$ 630.97	\$ 631	\$ 124	4	\$ 494	\$ 1,125
22	6" / 4" Dia Hot Water Return Pipe Tee	1	0%	1	EA	\$ 680.95	\$ 681	\$ 124	5	\$ 556	\$ 1,237
REDUCER											
1	1" / 3/4" Dia Hot Water Return Pipe Reducer	9	0%	9	EA	\$ 7.53	\$ 68	\$ 124	18	\$ 2,223	\$ 2,291
2	1-1/4" / 3/4" Dia Hot Water Return Pipe Reducer	4	0%	4	EA	\$ 14.57	\$ 58	\$ 124	3	\$ 326	\$ 384
3	1-1/4" / 1" Dia Hot Water Return Pipe Reducer	6	0%	6	EA	\$ 19.52	\$ 117	\$ 124	4	\$ 489	\$ 606
4	1-1/2" / 3/4" Dia Hot Water Return Pipe Reducer	1	0%	1	EA	\$ 22.59	\$ 23	\$ 124	1	\$ 91	\$ 114
5	1-1/2" / 1" Dia Hot Water Return Pipe Reducer	1	0%	1	EA	\$ 27.62	\$ 28	\$ 124	1	\$ 84	\$ 112
6	1-1/2" / 1-1/4" Dia Hot Water Return Pipe Reducer	10	0%	10	EA	\$ 27.62	\$ 276	\$ 124	7	\$ 914	\$ 1,190
7	2" / 1-1/2" Dia Hot Water Return Pipe Reducer	10	0%	10	EA	\$ 36.12	\$ 361	\$ 124	8	\$ 963	\$ 1,325
8	2-1/2" / 2" Dia Hot Water Return Pipe Reducer	3	0%	3	EA	\$ 51.33	\$ 154	\$ 124	4	\$ 482	\$ 636
9	3" / 3/4" Dia Hot Water Return Pipe Reducer	2	0%	2	EA	\$ 94.58	\$ 189	\$ 124	3	\$ 334	\$ 523
10	3" / 2" Dia Hot Water Return Pipe Reducer	2	0%	2	EA	\$ 62.91	\$ 126	\$ 124	3	\$ 334	\$ 459
11	3" / 2-1/2" Dia Hot Water Return Pipe Reducer	1	0%	1	EA	\$ 57.69	\$ 58	\$ 124	1	\$ 167	\$ 224
12	4" / 2-1/2" Dia Hot Water Return Pipe Reducer	1	0%	1	EA	\$ 174.80	\$ 175	\$ 124	2	\$ 235	\$ 409
13	4" / 3" Dia Hot Water Return Pipe Reducer	1	0%	1	EA	\$ 174.80	\$ 175	\$ 124	2	\$ 241	\$ 416
14	6" / 4" Dia Hot Water Return Pipe Reducer	1	0%	1	EA	\$ 316.84	\$ 317	\$ 124	3	\$ 309	\$ 626
CHILLED WATER SUPPLY PIPE											
Schedule 40 steel pipe, wrought-steel fittings and wrought-cast or forged-steel flanges and flange fittings, and welded and flanged joints											
1	4" Dia Chilled Water Supply Pipe	252	10%	277	LFT	\$ 23.84	\$ 6,609	\$ 124	55	\$ 6,848	\$ 13,457
2	6" Dia Chilled Water Supply Pipe	162	10%	178	LFT	\$ 35.42	\$ 6,312	\$ 124	53	\$ 6,603	\$ 12,915
3	8" Dia Chilled Water Supply Pipe	239	10%	263	LFT	\$ 41.56	\$ 10,926	\$ 124	79	\$ 9,742	\$ 20,668
CHILLED WATER SUPPLY PIPE INSULATION											
1" Thick, Mineral-Fiber, Preformed Pipe Insulation, Type I.											
1	4" Dia Chilled Water Supply Pipe	252	10%	277	LFT	\$ 1.04	\$ 287	\$ 118	17	\$ 1,957	\$ 2,244
2	6" Dia Chilled Water Supply Pipe	162	10%	178	LFT	\$ 1.39	\$ 248	\$ 118	11	\$ 1,258	\$ 1,506
1-1/2" Thick, Mineral-Fiber, Preformed Pipe Insulation, Type I.											
3	8" Dia Chilled Water Supply Pipe	239	10%	263	LFT	\$ 1.57	\$ 413	\$ 118	18	\$ 2,166	\$ 2,579
CHILLED WATER SUPPLY PIPE FITTING											
ELBOW											
1	4" Dia Chilled Water Supply Pipe 90 Deg Elbow	21	0%	21	EA	\$ 109.43	\$ 2,298	\$ 124	42	\$ 5,188	\$ 7,486
2	6" Dia Chilled Water Supply Pipe 90 Deg Elbow	6	0%	6	EA	\$ 325.45	\$ 1,953	\$ 124	18	\$ 2,223	\$ 4,176
3	8" Dia Chilled Water Supply Pipe 90 Deg Elbow	7	0%	7	EA	\$ 759.66	\$ 5,318	\$ 124	27	\$ 3,372	\$ 8,690
4	4" Dia Chilled Water Supply Pipe 45 Deg Elbow	1	0%	1	EA	\$ 353.50	\$ 354	\$ 124	2	\$ 247	\$ 601
TEE											
1	8" Dia Chilled Water Supply Pipe Tee	1	0%	1	EA	\$ 2,705.93	\$ 2,706	\$ 124	6	\$ 723	\$ 3,429
2	6" / 4" Dia Chilled Water Supply Pipe Tee	2	0%	2	EA	\$ 680.95	\$ 1,362	\$ 124	9	\$ 1,112	\$ 2,474
3	8" / 4" Dia Chilled Water Supply Pipe Tee	2	0%	2	EA	\$ 1,259.79	\$ 2,520	\$ 124	9	\$ 1,112	\$ 3,631
REDUCER											
1	6" / 4" Dia Chilled Water Supply Pipe Reducer	1	0%	1	EA	\$ 316.84	\$ 317	\$ 124	3	\$ 309	\$ 626
2	8" / 4" Dia Chilled Water Supply Pipe Reducer	1	0%	1	EA	\$ 658.88	\$ 659	\$ 124	3	\$ 309	\$ 968
3	8" / 6" Dia Chilled Water Supply Pipe Reducer	1	0%	1	EA	\$ 754.96	\$ 755	\$ 124	3	\$ 309	\$ 1,064
CHILLED WATER RETURN PIPE											
Schedule 40 steel pipe, wrought-steel fittings and wrought-cast or forged-steel flanges and flange fittings, and welded and flanged joints											
1	4" Dia Chilled Water Return Pipe	262	10%	288	LFT	\$ 23.84	\$ 6,872	\$ 124	58	\$ 7,120	\$ 13,991
2	6" Dia Chilled Water Return Pipe	172	10%	189	LFT	\$ 35.42	\$ 6,701	\$ 124	57	\$ 7,011	\$ 13,712
3	8" Dia Chilled Water Return Pipe	257	10%	283	LFT	\$ 41.56	\$ 11,749	\$ 124	85	\$ 10,476	\$ 22,225
CHILLED WATER RETURN PIPE INSULATION											
1" Thick, Mineral-Fiber, Preformed Pipe Insulation, Type I.											
1	4" Dia Chilled Water Return Pipe	262	10%	288	LFT	\$ 1.04	\$ 298	\$ 118	17	\$ 2,035	\$ 2,333
2	6" Dia Chilled Water Return Pipe	172	10%	189	LFT	\$ 1.39	\$ 263	\$ 118	11	\$ 1,336	\$ 1,599

1-1/2" Thick, Mineral-Fiber, Preformed Pipe Insulation, Type I.											
3	8" Dia Chilled Water Return Pipe	257	10%	283	LFT	\$ 1.57	\$ 444	\$ 118	20	\$ 2,329	\$ 2,773
CHILLED WATER RETURN PIPE FITTING											
ELBOW											
1	4" Dia Chilled Water Return Pipe 90 Deg Elbow	21	0%	21	EA	\$ 109.43	\$ 2,298	\$ 124	42	\$ 5,188	\$ 7,486
2	6" Dia Chilled Water Return Pipe 90 Deg Elbow	6	0%	6	EA	\$ 325.45	\$ 1,953	\$ 124	18	\$ 2,223	\$ 4,176
3	8" Dia Chilled Water Return Pipe 90 Deg Elbow	6	0%	6	EA	\$ 759.66	\$ 4,558	\$ 124	23	\$ 2,890	\$ 7,448
TEE											
1	8" Dia Chilled Water Return Pipe Tee	1	0%	1	EA	\$ 2,705.93	\$ 2,706	\$ 124	6	\$ 723	\$ 3,429
2	6" / 4" Dia Chilled Water Return Pipe Tee	4	0%	4	EA	\$ 680.95	\$ 2,724	\$ 124	18	\$ 2,223	\$ 4,947
3	8" / 4" Dia Chilled Water Return Pipe Tee	2	0%	2	EA	\$ 1,259.79	\$ 2,520	\$ 124	9	\$ 1,112	\$ 3,631
REDUCER											
1	8" / 4" Dia Chilled Water Return Pipe Reducer	1	0%	1	EA	\$ 658.88	\$ 659	\$ 124	3	\$ 309	\$ 968
2	8" / 6" Dia Chilled Water Return Pipe Reducer	1	0%	1	EA	\$ 754.96	\$ 755	\$ 124	3	\$ 309	\$ 1,064
CONDENSER WATER SUPPLY PIPE											
Schedule 40, Grade B steel pipe; Class 125, cast-iron fittings, cast-iron flanges and flange fittings; and threaded joints.											
1	10" Dia Condenser Water Supply Pipe	64	10%	71	LFT	\$ 58.89	\$ 4,178	\$ 124	21	\$ 2,629	\$ 6,806
CONDENSER WATER SUPPLY PIPE INSULATION											
1-1/2" Thick, Mineral-Fiber, Preformed Pipe Insulation, Type I.											
1	10" Dia Condenser Water Supply Pipe	64	10%	71	LFT	\$ 2.03	\$ 144	\$ 118	6	\$ 668	\$ 812
CONDENSER WATER SUPPLY PIPE FITTING											
ELBOW											
1	10" Dia Condenser Water Supply Pipe 90 Deg Elbow	5	0%	5	EA	\$ 1,108.79	\$ 5,544	\$ 124	20	\$ 2,409	\$ 7,953
2	10" Dia Condenser Water Supply Pipe 45 Deg Elbow	1	0%	1	EA	\$ 1,045.85	\$ 1,046	\$ 124	4	\$ 482	\$ 1,528
CONDENSER WATER RETURN PIPE											
Schedule 40, Grade B steel pipe; Class 125, cast-iron fittings, cast-iron flanges and flange fittings; and threaded joints.											
1	10" Dia Condenser Water Return Pipe	56	10%	61	LFT	\$ 58.89	\$ 3,621	\$ 124	18	\$ 2,279	\$ 5,900
CONDENSER WATER RETURN PIPE INSULATION											
1-1/2" Thick, Mineral-Fiber, Preformed Pipe Insulation, Type I.											
1	10" Dia Condenser Water Return Pipe	56	10%	61	LFT	\$ 2.03	\$ 125	\$ 118	5	\$ 579	\$ 704
CONDENSER WATER RETURN PIPE FITTING											
ELBOW											
1	10" Dia Condenser Water Return Pipe 90 Deg Elbow	6	0%	6	EA	\$ 1,108.79	\$ 6,653	\$ 124	23	\$ 2,890	\$ 9,543
2	10" Dia Condenser Water Return Pipe 45 Deg Elbow	1	0%	1	EA	\$ 1,045.85	\$ 1,046	\$ 124	4	\$ 482	\$ 1,528
COMBUSTION AIR INTAKE PIPE											
Sch 40, Steel Pipe (Assumed)											
1	6" Dia Combustion Air Intake Pipe	10	10%	11	LFT	\$ 35.42	\$ 381	\$ 124	3	\$ 399	\$ 780
2	8" Dia Combustion Air Intake Pipe	37	10%	41	LFT	\$ 41.56	\$ 1,686	\$ 124	12	\$ 1,503	\$ 3,189
COMBUSTION AIR INTAKE PIPE FITTING											
ELBOW											
1	6" Dia Combustion Air Intake Pipe 90 Deg Elbow	2	0%	2	EA	\$ 325.45	\$ 651	\$ 124	6	\$ 741	\$ 1,392
2	8" Dia Combustion Air Intake Pipe 90 Deg Elbow	4	0%	4	EA	\$ 759.66	\$ 3,039	\$ 124	16	\$ 1,927	\$ 4,966
REFRIGERANT PIPE											
Type ACR, Drawn-Temper Tubing And Wrought-Copper Fittings With Brazed Joints.											
1	3/8" Dia Liquid Pipe	1528	10%	1681	LFT	\$ 1.15	\$ 1,934	\$ 124	67	\$ 8,304	\$ 10,238
2	3/8" Dia Hot Gas Pipe	24	10%	26	LFT	\$ 1.15	\$ 30	\$ 124	1	\$ 131	\$ 161
3	1/2" Dia Liquid Pipe	184	10%	202	LFT	\$ 1.46	\$ 295	\$ 124	8	\$ 1,000	\$ 1,295
4	1/2" Dia Hot Gas Pipe	15	10%	16	LFT	\$ 1.46	\$ 23	\$ 124	1	\$ 79	\$ 102
5	5/8" Dia Liquid Pipe	177	10%	195	LFT	\$ 1.30	\$ 253	\$ 124	8	\$ 962	\$ 1,215
6	5/8" Dia Hot Gas Pipe	1587	10%	1746	LFT	\$ 1.30	\$ 2,270	\$ 124	70	\$ 8,627	\$ 10,897
7	1-3/8" Dia Liquid Pipe	14	10%	15	LFT	\$ 5.15	\$ 79	\$ 124	1	\$ 95	\$ 174
8	1-1/8" Dia Liquid Pipe	14	10%	15	LFT	\$ 5.12	\$ 77	\$ 124	1	\$ 93	\$ 169
9	1-1/8" Dia Hot Gas Line Pipe	245	10%	270	LFT	\$ 5.12	\$ 1,380	\$ 124	13	\$ 1,664	\$ 3,044
10	1-3/8" Dia Hot Gas Pipe	214	10%	235	LFT	\$ 5.15	\$ 1,212	\$ 124	12	\$ 1,454	\$ 2,666
11	3" Dia Refrigerant Relief Pipe	19	10%	21	LFT	\$ 18.95	\$ 391	\$ 124	3	\$ 382	\$ 773
REFRIGERANT PIPE INSULATION											
1" Thick, Mineral-Fiber, Preformed Pipe Insulation, Type I.											
1	3/8" Dia Liquid Pipe	1528	10%	1681	LFT	\$ 0.26	\$ 433	\$ 118	34	\$ 3,956	\$ 4,388
2	3/8" Dia Hot Gas Pipe	24	10%	26	LFT	\$ 0.26	\$ 7	\$ 118	1	\$ 62	\$ 69
3	1/2" Dia Liquid Pipe	184	10%	202	LFT	\$ 0.28	\$ 57	\$ 118	4	\$ 476	\$ 534

4	1/2" Dia Hot Gas Pipe	15	10%	16	LFT	\$ 0.28	\$ 5	\$ 118	0	\$ 38	\$ 42
5	5/8" Dia Liquid Pipe	177	10%	195	LFT	\$ 0.36	\$ 70	\$ 118	4	\$ 458	\$ 528
6	5/8" Dia Hot Gas Pipe	1587	10%	1746	LFT	\$ 0.36	\$ 627	\$ 118	35	\$ 4,110	\$ 4,736
7	1-3/8" Dia Liquid Pipe	14	10%	15	LFT	\$ 0.42	\$ 6	\$ 118	1	\$ 72	\$ 79
8	1-1/8" Dia Liquid Pipe	14	10%	15	LFT	\$ 0.42	\$ 6	\$ 118	1	\$ 71	\$ 77
9	1-1/8" Dia Hot Gas Line Pipe	245	10%	270	LFT	\$ 0.42	\$ 114	\$ 118	11	\$ 1,269	\$ 1,382
10	1-3/8" Dia Hot Gas Pipe	214	10%	235	LFT	\$ 0.42	\$ 99	\$ 118	9	\$ 1,108	\$ 1,207
11	3" Dia Refrigerant Relief Pipe	19	10%	21	LFT	\$ 0.83	\$ 17	\$ 118	1	\$ 121	\$ 139
REFRIGERANT PIPE FITTING											
ELBOW											
1	1/2" Dia Liquid Pipe 90 Deg Elbow	16	0%	16	EA	\$ 0.71	\$ 11	\$ 124	6	\$ 791	\$ 802
2	1/2" Dia Hot Gas Pipe 90 Deg Elbow	1	0%	1	EA	\$ 0.71	\$ 1	\$ 124	0	\$ 49	\$ 50
3	3/8" Dia Liquid Pipe 90 Deg Elbow	111	0%	111	EA	\$ 2.08	\$ 231	\$ 124	44	\$ 5,484	\$ 5,715
4	3/8" Dia Hot Gas Pipe 90 Deg Elbow	2	0%	2	EA	\$ 2.08	\$ 4	\$ 124	1	\$ 99	\$ 103
5	5/8" Dia Liquid Pipe 90 Deg Elbow	13	0%	13	EA	\$ 3.17	\$ 41	\$ 124	5	\$ 642	\$ 684
6	5/8" Dia Hot Gas Pipe 90 Deg Elbow	117	0%	117	EA	\$ 3.17	\$ 371	\$ 124	47	\$ 5,781	\$ 6,152
7	1-1/8" Dia Hot Gas Pipe 90 Deg Elbow	26	0%	26	EA	\$ 9.39	\$ 244	\$ 124	18	\$ 2,248	\$ 2,492
8	1-3/8" Dia Hot Gas Pipe 90 Elbow	13	0%	13	EA	\$ 10.24	\$ 133	\$ 124	10	\$ 1,285	\$ 1,418
9	1-3/8" Dia Liquid Pipe 90 Deg Elbow	1	0%	1	EA	\$ 10.24	\$ 10	\$ 124	1	\$ 99	\$ 109
10	1-1/8" Dia Liquid Pipe 90 Deg Elbow	2	0%	2	EA	\$ 9.39	\$ 19	\$ 124	1	\$ 173	\$ 192
TEE											
1	3/8" Dia Liquid Pipe Tee	4	0%	4	EA	\$ 3.44	\$ 14	\$ 124	2	\$ 296	\$ 310
2	5/8" Dia Hot Gas Pipe Tee	8	0%	8	EA	\$ 5.17	\$ 41	\$ 124	5	\$ 593	\$ 634
3	1-3/8" Dia Hot Gas Pipe Tee	1	0%	1	EA	\$ 1.87	\$ 2	\$ 124	1	\$ 112	\$ 114
4	1-1/8" Dia Hot Gas Pipe Tee	1	0%	1	EA	\$ 1.87	\$ 2	\$ 124	1	\$ 112	\$ 114
5	5/8" / 1/2" Dia Liquid Line Pipe Tee	2	0%	2	EA	\$ 11.54	\$ 23	\$ 124	2	\$ 193	\$ 216
6	1-3/8" / 1/2" Dia Liquid Line Pipe Tee	1	0%	1	EA	\$ 12.88	\$ 13	\$ 124	1	\$ 112	\$ 125
7	1-1/8" / 3/8" Dia Hot Gas Pipe Tee	1	0%	1	EA	\$ 12.88	\$ 13	\$ 124	1	\$ 112	\$ 125
CONDENSATE DRAIN PIPE											
Condensate-Drain Piping: Type L, drawn-temper copper tubing, wrought-copper fittings, and soldered joints											
1	3/4" Dia Condensate Drain Pipe	737	10%	811	LFT	\$ 2.37	\$ 1,923	\$ 124	32	\$ 4,006	\$ 5,929
2	1" Dia Condensate Drain Pipe	25	10%	28	LFT	\$ 3.36	\$ 93	\$ 124	1	\$ 172	\$ 265
CONDENSATE DRAIN PIPE INSULATION											
1-1/2" Thick, Mineral-Fiber, Preformed Pipe Insulation, Type I.											
1	3/4" Dia Condensate Drain Pipe	737	10%	811	LFT	\$ 0.36	\$ 291	\$ 118	16	\$ 1,908	\$ 2,199
2	1" Dia Condensate Drain Pipe	25	10%	28	LFT	\$ 0.39	\$ 11	\$ 118	1	\$ 131	\$ 142
CONDENSATE DRAIN PIPE FITTING											
ELBOW											
1	3/4" Dia Condensate Drain Pipe 90 Deg Elbow	50	0%	50	EA	\$ 1.57	\$ 79	\$ 124	21	\$ 2,594	\$ 2,672
2	1" Dia Condensate Drain Pipe 90 Deg Elbow	3	0%	3	EA	\$ 4.06	\$ 12	\$ 124	2	\$ 185	\$ 197
3	3/4" Dia Condensate Drain Pipe 45 Deg Elbow	2	0%	2	EA	\$ 2.18	\$ 4	\$ 124	1	\$ 104	\$ 108
TEE											
1	3/4" Dia Condensate Drain Pipe Tee	7	0%	7	EA	\$ 2.88	\$ 20	\$ 124	4	\$ 545	\$ 565
2	1" / 3/4" Dia Condensate Drain Pipe Tee	2	0%	2	EA	\$ 11.09	\$ 22	\$ 124	2	\$ 200	\$ 222
REDUCER											
1	1" / 3/4" Dia Condensate Drain Pipe Reducer	3	0%	3	EA	\$ 3.59	\$ 11	\$ 124	2	\$ 185	\$ 196
PIPE FLANGE											
1	4" Dia Flange	8	0%	8	EA	\$ 56.42	\$ 451	\$ 124	20	\$ 2,530	\$ 2,981
2	6" Dia Flange	5	0%	5	EA	\$ 124.42	\$ 622	\$ 124	19	\$ 2,372	\$ 2,994
3	8" Dia Flange	6	0%	6	EA	\$ 234.95	\$ 1,410	\$ 124	31	\$ 3,795	\$ 5,204
4	10" Dia Flange	6	0%	6	EA	\$ 467.65	\$ 2,806	\$ 124	38	\$ 4,743	\$ 7,549
DUCT LINER											
1	1" Thick, Acoustical Duct Liner	899	0%	899	SF		\$ -	\$ 126	36	\$ 4,521	\$ 4,521
DUCT INSULATION											
1	1-1/2" Thick, Mineral-Fiber Blanket, 1.5-lb/cu. ft. Nominal Density, Factory-Applied Jacket, Value Of R-5, Manufacturer Knauf Insulation.	54660	0%	54660	SF		\$ -	\$ 118	1093	\$ 128,648	\$ 128,648
2	2" Thick, Mineral-Fiber Blanket, 3-lb/cu. ft. Nominal Density, Factory-Applied Jacket, Value Of R-5, Manufacturer Knauf Insulation.	918	0%	918	SF		\$ -	\$ 118	18	\$ 2,161	\$ 2,161
DUCT WEIGHT											
1	Galvanized Steel Duct Fabrication	70246	0%	70246	LB		\$ -	\$ 126	2810	\$ 353,253	\$ 353,253
1	Galvanized Steel Duct Erection	70246	0%	70246	LB		\$ -	\$ 126	1405	\$ 176,627	\$ 176,627
PIPE SUPPORT											

1	3/8" Dia Adjustable Clevis Hanger	33	0%	33	EA	\$ 3.32	\$ 110	\$ 124	8	\$ 1,019	\$ 1,129
2	1/2" Dia Adjustable Clevis Hanger	33	0%	33	EA	\$ 3.32	\$ 110	\$ 124	8	\$ 1,019	\$ 1,129
3	5/8" Dia Adjustable Clevis Hanger	294	0%	294	EA	\$ 1.44	\$ 423	\$ 124	74	\$ 9,079	\$ 9,502
4	3/4" Dia Adjustable Clevis Hanger	1681	0%	1681	EA	\$ 1.44	\$ 2,421	\$ 124	420	\$ 51,909	\$ 54,330
5	1" Dia Adjustable Clevis Hanger	165	0%	165	EA	\$ 1.47	\$ 243	\$ 124	41	\$ 5,095	\$ 5,338
6	1-1/8" Dia Adjustable Clevis Hanger	43	0%	43	EA	\$ 1.60	\$ 69	\$ 124	11	\$ 1,328	\$ 1,397
7	1-1/4" Dia Adjustable Clevis Hanger	272	0%	272	EA	\$ 1.60	\$ 435	\$ 124	68	\$ 8,399	\$ 8,835
8	1-3/8" Dia Adjustable Clevis Hanger	338	0%	338	EA	\$ 1.60	\$ 541	\$ 124	85	\$ 10,437	\$ 10,978
9	1-1/2" Dia Adjustable Clevis Hanger	257	0%	257	EA	\$ 1.63	\$ 419	\$ 124	64	\$ 7,936	\$ 8,355
10	2" Dia Adjustable Clevis Hanger	214	0%	214	EA	\$ 1.99	\$ 426	\$ 124	54	\$ 6,608	\$ 7,034
11	2-1/2" Dia Adjustable Clevis Hanger	41	0%	41	EA	\$ 3.06	\$ 125	\$ 124	12	\$ 1,519	\$ 1,645
12	3" Dia Adjustable Clevis Hanger	31	0%	31	EA	\$ 3.67	\$ 114	\$ 124	9	\$ 1,149	\$ 1,263
13	4" Dia Adjustable Clevis Hanger	107	0%	107	EA	\$ 4.62	\$ 494	\$ 124	37	\$ 4,626	\$ 5,120
14	6" Dia Adjustable Clevis Hanger	104	0%	104	EA	\$ 8.19	\$ 852	\$ 124	42	\$ 5,138	\$ 5,990
15	8" Dia Adjustable Clevis Hanger	62	0%	62	EA	\$ 12.68	\$ 786	\$ 124	31	\$ 3,829	\$ 4,615
16	10" Dia Adjustable Clevis Hanger	12	0%	12	EA	\$ 23.88	\$ 287	\$ 124	6	\$ 741	\$ 1,028
17	3/8" Dia Threaded Rod W/ Double Lock Nut (1 foot length)	3402	0%	3402	LFT	\$ 0.27	\$ 925	\$ 124	68	\$ 8,404	\$ 9,330
18	1/2" Dia Threaded Rod W/ Double Lock Nut (1 foot length)	107	0%	107	LFT	\$ 0.42	\$ 45	\$ 124	2	\$ 264	\$ 309
19	5/8" Dia Threaded Rod W/ Double Lock Nut (1 foot length)	178	0%	178	LFT	\$ 0.53	\$ 94	\$ 124	4	\$ 440	\$ 534
DUCT SUPPORT											
1	3/8" Dia Full Threaded Rod W/Double Locknut	2620	0%	2620	LFT	\$ 0.27	\$ 713	\$ 124	52	\$ 6,472	\$ 7,185
2	1" x 22 Ga. Strap	1310	0%	1310	EA	\$ 3.24	\$ 4,244	\$ 124	262	\$ 32,362	\$ 36,607
ALLOWANCES / QUOTES (PLEASE ADD YOUR NUMBERS)											
1	Mobilizations & Demobilization	1	0%	1	LS		\$ -	\$ 124		\$ -	\$ -
2	Air Balancing of HVAC Systems	1	0%	1	LS		\$ -	\$ 124		\$ -	\$ -
3	Testing & Commissioning of HVAC Systems	1	0%	1	LS		\$ -	\$ 124		\$ -	\$ -
4	Crane / Rigging Services	1	0%	1	LS		\$ -	\$ 124		\$ -	\$ -
5	As - Built Documents	1	0%	1	LS		\$ -	\$ 124		\$ -	\$ -
6	Permits & Fees	1	0%	1	LS		\$ -	\$ 124		\$ -	\$ -
TOTAL MATERIAL COST										\$	373,260
TOTAL LABOR COST										\$	2,184,537
TOTAL HOURS										\$	17,699
TOTAL COST										\$	2,557,797
OVERHEADS & PROFIT 25%										\$	639,449
TOTAL BID										\$	3,197,246
SCOPE OF ESTIMATE:											
1	SUPPLY & INSTALLATION										
1	Supply & Return Air Duct W/ Fittings										
2	Outside Air Duct W/ Fittings										
3	Transfer Air Duct W/ Fittings										
4	Exhaust Air Duct W/ Fittings										
5	Flexible Duct										
6	Air Devices										
7	Outdoor Air Handling Unit										
8	Chiller										
9	Gas Fired Hot Water Boiler										
10	Cooling Tower										
11	Pump										
12	Air Separator										
13	Make-Up Air Unit										
14	Expansion Tank										
15	Glycol Make-up Package W/ Piping Detail										
16	Condensate Treatment Tank										
17	Chemical Pod Feeder W/ Piping Detail										
18	Buffer Tank										
19	Expansion Loop										
20	Exhaust Fan										
21	Computer Room Air Conditioning Unit										
22	Computer Room Remote Condensing Unit										
23	Split System Air Conditioning Unit										
24	Split System Condensing Unit										
25	Split System Heat Pump Unit										
26	Split System Heat Pump Condensing Unit										
27	Variable Air Volume Unit W/ Piping Detail										
28	Blower Coil Air Handler W/ Piping Detail										
29	Fan Coil Unit W/ Piping Detail										
30	Convactor										
31	Baseboard										
32	Control Valve										
33	Hot Water Unit Heater W/ Piping Detail										
34	Louvers										
35	Dampers										
36	Smoke Detector										

37	Sensor
38	Thermometer
39	Flexible Connector
40	Flexible Connection
41	Birds Screen
42	Wall Opening Terminate
43	2-Way Control Valve
44	Valve
45	Hot Water Supply And Return Pipe W/ Fittings
46	Chilled Water Supply And Return Pipe W/ Fittings
47	Condenser Water Supply And Return Pipe W/ Fittings
48	Combustion Air Intake Pipe W/ Fittings
49	Refrigerant Pipe W/ Fittings
50	Condensate Drain Pipe W/ Fittings
51	Duct Liner
52	Duct Insulation
53	Duct Weight
54	Pipe / Duct Support
55	Allowances
56	Bid Alternate

PROJECT:

ADDRESS:

REV:

SR. NO.	DESCRIPTION	QUANTITY	WASTAGE	QTY WITH WASTAGE	UNIT	UNIT COST	MATERIAL COST	LABOR RATE	LABOR RATE		\$ 123.52
									LABOR HOURS	LABOR COST	TOTAL COST
HVAC ESTIMATE											
BIPOLAR IONIZATION UNIT											
1	BI-1, Bipolar Ionization, "ATMOSAIR SOLUTIONS" COMMS1.MBS, 14400 Supply Duct Air Flow CFM, 0.6 Watts, 3 AMPS, 120 V, 1 PH, 60 HZ. 1. BMS Control Interconnectivity Module Shall Be Mounted Externally On Duct In The Near Proximity Of Bipolar Ionization Unit.	1	0%	1	EA		\$ -	\$ 124	6	\$ 741	\$ 741
2	BI-2, Bipolar Ionization, "ATMOSAIR SOLUTIONS" COMMS1.MBS, 16800 Supply Duct Air Flow CFM, 0.6 Watts, 3 AMPS, 120 V, 1 PH, 60 HZ. 1. BMS Control Interconnectivity Module Shall Be Mounted Externally On Duct In The Near Proximity Of Bipolar Ionization Unit.	1	0%	1	EA		\$ -	\$ 124	6	\$ 741	\$ 741
3	BI-3, Bipolar Ionization, "ATMOSAIR SOLUTIONS" COMMS1.MBS, 17800 Supply Duct Air Flow CFM, 0.6 Watts, 3 AMPS, 120 V, 1 PH, 60 HZ. 1. BMS Control Interconnectivity Module Shall Be Mounted Externally On Duct In The Near Proximity Of Bipolar Ionization Unit.	1	0%	1	EA		\$ -	\$ 124	6	\$ 741	\$ 741
4	BI-4, Bipolar Ionization, "ATMOSAIR SOLUTIONS" COMMS1.MBS, 22100 Supply Duct Air Flow CFM, 0.6 Watts, 3 AMPS, 120 V, 1 PH, 60 HZ. 1. BMS Control Interconnectivity Module Shall Be Mounted Externally On Duct In The Near Proximity Of Bipolar Ionization Unit.	1	0%	1	EA		\$ -	\$ 124	6	\$ 741	\$ 741
5	BI-5, Bipolar Ionization, "ATMOSAIR SOLUTIONS" COMMS1.MBS, 9800 Supply Duct Air Flow CFM, 0.6 Watts, 3 AMPS, 120 V, 1 PH, 60 HZ. 1. BMS Control Interconnectivity Module Shall Be Mounted Externally On Duct In The Near Proximity Of Bipolar Ionization Unit.	1	0%	1	EA		\$ -	\$ 124	6	\$ 741	\$ 741
6	BI-6, Bipolar Ionization, "ATMOSAIR SOLUTIONS" COMMS1.MBS, 10200 Supply Duct Air Flow CFM, 0.6 Watts, 3 AMPS, 120 V, 1 PH, 60 HZ. 1. BMS Control Interconnectivity Module Shall Be Mounted Externally On Duct In The Near Proximity Of Bipolar Ionization Unit.	1	0%	1	EA		\$ -	\$ 124	6	\$ 741	\$ 741
7	BI-7, Bipolar Ionization, "ATMOSAIR SOLUTIONS" COMMS1.MBS, 8270 Supply Duct Air Flow CFM, 0.6 Watts, 3 AMPS, 120 V, 1 PH, 60 HZ. 1. BMS Control Interconnectivity Module Shall Be Mounted Externally On Duct In The Near Proximity Of Bipolar Ionization Unit.	1	0%	1	EA		\$ -	\$ 124	6	\$ 741	\$ 741
8	BI-8, Bipolar Ionization, "ATMOSAIR SOLUTIONS" COMMS1.MBS, 12700 Supply Duct Air Flow CFM, 0.6 Watts, 3 AMPS, 120 V, 1 PH, 60 HZ. 1. BMS Control Interconnectivity Module Shall Be Mounted Externally On Duct In The Near Proximity Of Bipolar Ionization Unit.	1	0%	1	EA		\$ -	\$ 124	6	\$ 741	\$ 741
TOTAL MATERIAL COST									\$	-	
TOTAL LABOR COST									\$	5,929	
TOTAL COST									\$	5,929	
OVERHEADS & PROFIT									25%	\$ 1,482	
TOTAL BID									\$	7,411	
SCOPE OF ESTIMATE:											
I	SUPPLY & INSTALLATION										
1	Bi-Polar Ionization Units										

PROJECT:

ADDRESS:

REV:

SR. NO.	DESCRIPTION	QUANTITY	WASTAGE	QTY WITH WASTAGE	UNIT
HVAC ESTIMATE					
NEW WORK					
SHEET METAL DUCT					
Galvanized Steel Duct					
1	4" Dia Supply Air Duct	89	10%	98	LFT
2	6" Dia Supply Air Duct	599	10%	659	LFT
3	6"x6" Supply Air Duct	80	10%	88	LFT
4	6"x8" Supply Air Duct	33	10%	36	LFT
5	6"x10" Supply Air Duct	37	10%	41	LFT
6	6"x12" Supply Air Duct	18	10%	20	LFT
7	8" Dia Supply Air Duct	1034	10%	1137	LFT
8	8"x6" Supply Air Duct	112	10%	123	LFT
9	8"x8" Supply Air Duct	193	10%	212	LFT
10	8"x10" Supply Air Duct	288	10%	317	LFT
11	8"x12" Supply Air Duct	13	10%	14	LFT
12	10" Dia Supply Air Duct	2204	10%	2424	LFT
13	10"x6" Supply Air Duct	90	10%	99	LFT
14	10"x8" Supply Air Duct	159	10%	175	LFT
15	10"x10" Supply Air Duct	245	10%	270	LFT
16	10"x12" Supply Air Duct	518	10%	570	LFT
17	100"x40" Supply Air Duct	7	10%	8	LFT
18	12" Dia Supply Air Duct	466	10%	513	LFT
19	12"x6" Supply Air Duct	21	10%	23	LFT
20	12"x8" Supply Air Duct	148	10%	163	LFT
21	12"x10" Supply Air Duct	395	10%	435	LFT
22	12"x12" Supply Air Duct	409	10%	450	LFT
23	12"x14" Supply Air Duct	50	10%	55	LFT
24	14" Dia Supply Air Duct	36	10%	40	LFT
25	14"x6" Supply Air Duct	15	10%	16	LFT
26	14"x8" Supply Air Duct	80	10%	88	LFT
27	14"x10" Supply Air Duct	42	10%	46	LFT
28	14"x12" Supply Air Duct	579	10%	637	LFT
29	14"x14" Supply Air Duct	370	10%	407	LFT
30	16" Dia Supply Air Duct	2	10%	2	LFT
31	16"x10" Supply Air Duct	43	10%	47	LFT
32	16"x12" Supply Air Duct	145	10%	160	LFT
33	16"x14" Supply Air Duct	354	10%	389	LFT
34	16"x15" Supply Air Duct	3	10%	4	LFT
35	16"x16" Supply Air Duct	80	10%	88	LFT
36	18"x10" Supply Air Duct	42	10%	46	LFT
37	18"x12" Supply Air Duct	103	10%	113	LFT
38	18"x14" Supply Air Duct	69	10%	76	LFT
39	18"x16" Supply Air Duct	26	10%	29	LFT
40	18"x22" Supply Air Duct	6	10%	7	LFT
41	18"x28" Supply Air Duct	11	10%	12	LFT
42	20"x10" Supply Air Duct	30	10%	33	LFT
43	20"x12" Supply Air Duct	38	10%	41	LFT
44	20"x14" Supply Air Duct	72	10%	79	LFT
45	20"x16" Supply Air Duct	20	10%	22	LFT
46	22"x10" Supply Air Duct	6	10%	7	LFT
47	22"x12" Supply Air Duct	16	10%	17	LFT
48	22"x14" Supply Air Duct	18	10%	19	LFT
49	22"x18" Supply Air Duct	28	10%	31	LFT
50	24"x12" Supply Air Duct	66	10%	73	LFT
51	24"x16" Supply Air Duct	20	10%	22	LFT
52	24"x18" Supply Air Duct	36	10%	39	LFT

53	24"x22" Supply Air Duct	13	10%	14	LFT
54	28"x12" Supply Air Duct	15	10%	16	LFT
55	28"x16" Supply Air Duct	6	10%	6	LFT
56	28"x18" Supply Air Duct	36	10%	40	LFT
57	28"x20" Supply Air Duct	42	10%	47	LFT
58	30"x12" Supply Air Duct	30	10%	33	LFT
59	30"x16" Supply Air Duct	15	10%	16	LFT
60	32"x16" Supply Air Duct	32	10%	35	LFT
61	34"x14" Supply Air Duct	28	10%	31	LFT
62	34"x18" Supply Air Duct	25	10%	27	LFT
63	36"x14" Supply Air Duct	21	10%	23	LFT
64	36"x16" Supply Air Duct	34	10%	37	LFT
65	38"x10" Supply Air Duct	42	10%	46	LFT
66	38"x12" Supply Air Duct	20	10%	22	LFT
67	38"x18" Supply Air Duct	62	10%	68	LFT
68	38"x20" Supply Air Duct	15	10%	17	LFT
69	38"x22" Supply Air Duct	7	10%	8	LFT
70	40"x12" Supply Air Duct	24	10%	27	LFT
71	40"x18" Supply Air Duct	13	10%	14	LFT
72	40"x20" Supply Air Duct	19	10%	21	LFT
73	40"x26" Supply Air Duct	10	10%	11	LFT
74	42"x7" Supply Air Duct	7	10%	8	LFT
75	44"x14" Supply Air Duct	23	10%	25	LFT
76	44"x18" Supply Air Duct	10	10%	11	LFT
77	46"x16" Supply Air Duct	24	10%	27	LFT
78	46"x24" Supply Air Duct	62	10%	68	LFT
79	46"x26" Supply Air Duct	68	10%	75	LFT
80	48"x18" Supply Air Duct	18	10%	20	LFT
81	48"x20" Supply Air Duct	53	10%	58	LFT
82	48"x22" Supply Air Duct	5	10%	5	LFT
83	48"x26" Supply Air Duct	10	10%	11	LFT
84	50"x14" Supply Air Duct	37	10%	40	LFT
85	50"x16" Supply Air Duct	13	10%	14	LFT
86	50"x18" Supply Air Duct	27	10%	30	LFT
87	50"x24" Supply Air Duct	21	10%	24	LFT
88	52"x20" Supply Air Duct	32	10%	35	LFT
89	52"x26" Supply Air Duct	46	10%	51	LFT
90	54"x18" Supply Air Duct	28	10%	30	LFT
91	54"x20" Supply Air Duct	30	10%	33	LFT
92	54"x22" Supply Air Duct	49	10%	54	LFT
93	54"x24" Supply Air Duct	26	10%	28	LFT
94	56"x14" Supply Air Duct	32	10%	35	LFT
95	56"x16" Supply Air Duct	13	10%	14	LFT
96	56"x18" Supply Air Duct	80	10%	88	LFT
97	56"x20" Supply Air Duct	31	10%	35	LFT
98	56"x22" Supply Air Duct	2	10%	2	LFT
99	60"x18" Supply Air Duct	46	10%	51	LFT
100	60"x20" Supply Air Duct	18	10%	20	LFT
101	60"x22" Supply Air Duct	20	10%	22	LFT
102	64"x18" Supply Air Duct	19	10%	21	LFT
103	70"x18" Supply Air Duct	24	10%	26	LFT
104	10"x6" Return Air Duct	68	10%	75	LFT
105	100"x50" Return Air Duct	7	10%	7	LFT
106	12"x10" Return Air Duct	15	10%	16	LFT
107	12"x8" Return Air Duct	31	10%	34	LFT
108	16"x12" Return Air Duct	17	10%	19	LFT
109	16"x16" Return Air Duct	4	10%	5	LFT
110	18"x10" Return Air Duct	8	10%	9	LFT
111	18"x12" Return Air Duct	3	10%	3	LFT
112	26"x28" Return Air Duct	5	10%	5	LFT
113	42"x22" Return Air Duct	2	10%	3	LFT
114	44"x10" Return Air Duct	4	10%	5	LFT
115	46"x18" Return Air Duct	22	10%	25	LFT

116	46"x20" Return Air Duct	54	10%	59	LFT
117	46"x26" Return Air Duct	214	10%	235	LFT
118	48"x22" Return Air Duct	29	10%	31	LFT
119	52"x23" Return Air Duct	5	10%	6	LFT
120	52"x26" Return Air Duct	86	10%	95	LFT
121	54"x24" Return Air Duct	9	10%	10	LFT
122	6"x6" Return Air Duct	122	10%	134	LFT
123	60"x24" Return Air Duct	11	10%	12	LFT
124	64"x18" Return Air Duct	24	10%	27	LFT
125	64"x20" Return Air Duct	1	10%	1	LFT
126	72"x16" Return Air Duct	7	10%	8	LFT
127	78"x34" Return Air Duct	7	10%	8	LFT
128	8"x6" Return Air Duct	11	10%	12	LFT
129	8"x8" Return Air Duct	104	10%	114	LFT
130	80"x24" Return Air Duct	4	10%	5	LFT
131	80"x40" Return Air Duct	11	10%	12	LFT
132	80"x48" Return Air Duct	7	10%	8	LFT
133	90"x24" Return Air Duct	8	10%	8	LFT
134	10"x10" Outside Air Duct	57	10%	62	LFT
135	10"x6" Outside Air Duct	10	10%	11	LFT
136	12"x12" Outside Air Duct	15	10%	17	LFT
137	14"x14" Outside Air Duct	16	10%	18	LFT
138	18"x12" Outside Air Duct	3	10%	4	LFT
139	18"x18" Outside Air Duct	26	10%	29	LFT
140	30"x22" Outside Air Duct	13	10%	14	LFT
141	48"x26" Outside Air Duct	2	10%	3	LFT
142	8"x8" Outside Air Duct	96	10%	106	LFT
143	10"x10" Transfer Air Duct	25	10%	27	LFT
144	12"x12" Transfer Air Duct	35	10%	39	LFT
145	12"x8" Transfer Air Duct	2	10%	2	LFT
146	14"x10" Transfer Air Duct	1	10%	2	LFT
147	16"x16" Transfer Air Duct	69	10%	76	LFT
148	18"x18" Transfer Air Duct	10	10%	11	LFT
149	20"x16" Transfer Air Duct	4	10%	4	LFT
150	20"x20" Transfer Air Duct	17	10%	19	LFT
151	50"x12" Transfer Air Duct	3	10%	3	LFT
152	6"x6" Transfer Air Duct	4	10%	4	LFT
153	8"x8" Transfer Air Duct	24	10%	27	LFT
154	10"x10" Exhaust Air Duct	39	10%	43	LFT
155	10"x12" Exhaust Air Duct	12	10%	13	LFT
156	10"x6" Exhaust Air Duct	6	10%	6	LFT
157	10"x8" Exhaust Air Duct	133	10%	146	LFT
158	12"x10" Exhaust Air Duct	11	10%	12	LFT
159	12"x12" Exhaust Air Duct	10	10%	11	LFT
160	12"x20" Exhaust Air Duct	2	10%	2	LFT
161	12"x8" Exhaust Air Duct	49	10%	54	LFT
162	14"x10" Exhaust Air Duct	54	10%	59	LFT
163	14"x14" Exhaust Air Duct	11	10%	12	LFT
164	16"x10" Exhaust Air Duct	22	10%	24	LFT
165	16"x16" Exhaust Air Duct	8	10%	9	LFT
166	18"x16" Exhaust Air Duct	7	10%	7	LFT
167	20"x10" Exhaust Air Duct	15	10%	17	LFT
168	22"x10" Exhaust Air Duct	42	10%	47	LFT
169	36"x16" Exhaust Air Duct	6	10%	7	LFT
170	6"x6" Exhaust Air Duct	208	10%	229	LFT
171	6"x8" Exhaust Air Duct	31	10%	34	LFT
172	8"x10" Exhaust Air Duct	10	10%	11	LFT
173	8"x18" Exhaust Air Duct	11	10%	12	LFT
174	8"x6" Exhaust Air Duct	12	10%	13	LFT
175	8"x8" Exhaust Air Duct	132	10%	145	LFT
DUCT FITTING					
ELBOW					

1	10" Dia Supply Air Duct 45 Deg Elbow	2	0%	2	EA
2	10" Dia Supply Air Duct 90 Deg Elbow	104	0%	104	EA
3	10"x10" Supply Air Duct 90 Deg Elbow W/ Turning Vane	6	0%	6	EA
4	10"x12" Supply Air Duct 90 Deg Elbow W/ Turning Vane	8	0%	8	EA
5	10"x6" Supply Air Duct 90 Deg Elbow W/ Turning Vane	9	0%	9	EA
6	10"x8" Supply Air Duct 90 Deg Elbow W/ Turning Vane	9	0%	9	EA
7	12" Dia Supply Air Duct 90 Deg Elbow	10	0%	10	EA
8	12"x10" Supply Air Duct 90 Deg Elbow W/ Turning Vane	8	0%	8	EA
9	12"x12" Supply Air Duct 90 Deg Elbow W/ Turning Vane	16	0%	16	EA
10	12"x14" Supply Air Duct 90 Deg Elbow W/ Turning Vane	1	0%	1	EA
11	12"x6" Supply Air Duct 90 Deg Elbow W/ Turning Vane	1	0%	1	EA
12	12"x8" Supply Air Duct 90 Deg Elbow W/ Turning Vane	4	0%	4	EA
13	14"x10" Supply Air Duct 90 Deg Elbow W/ Turning Vane	1	0%	1	EA
14	14"x12" Supply Air Duct 90 Deg Elbow W/ Turning Vane	17	0%	17	EA
15	14"x14" Supply Air Duct 90 Deg Elbow W/ Turning Vane	19	0%	19	EA
16	14"x6" Supply Air Duct 90 Deg Elbow W/ Turning Vane	1	0%	1	EA
17	14"x8" Supply Air Duct 90 Deg Elbow W/ Turning Vane	2	0%	2	EA
18	14"x8" Supply Air Duct 90 Deg Elbow W/ Turning Vanes	2	0%	2	EA
19	16"x10" Supply Air Duct 90 Deg Elbow W/ Turning Vane	2	0%	2	EA
20	16"x12" Supply Air Duct 90 Deg Elbow W/ Turning Vane	5	0%	5	EA
21	16"x14" Supply Air Duct 90 Deg Elbow W/ Turning Vane	17	0%	17	EA
22	16"x16" Supply Air Duct 90 Deg Elbow W/ Turning Vane	6	0%	6	EA
23	18"x10" Supply Air Duct 90 Deg Elbow	1	0%	1	EA
24	18"x10" Supply Air Duct 90 Deg Elbow W/ Turning Vane	3	0%	3	EA
25	18"x12" Supply Air Duct 90 Deg Elbow W/ Turning Vane	4	0%	4	EA
26	18"x14" Supply Air Duct 90 Deg Elbow W/ Turning Vane	3	0%	3	EA
27	18"x16" Supply Air Duct 90 Deg Elbow W/ Turning Vane	1	0%	1	EA
28	18"x22" Supply Air Duct 90 Deg Elbow W/ Turning Vane	1	0%	1	EA
29	18"x28" Supply Air Duct 90 Deg Elbow W/ Turning Vane	1	0%	1	EA
30	20"x10" Supply Air Duct 90 Deg Elbow W/ Turning Vane	1	0%	1	EA
31	20"x14" Supply Air Duct 90 Deg Elbow	1	0%	1	EA
32	20"x14" Supply Air Duct 90 Deg Elbow W/ Turning Vane	2	0%	2	EA
33	20"x16" Supply Air Duct 90 Deg Elbow W/ Turning Vane	1	0%	1	EA
34	22"x12" Supply Air Duct 90 Deg Elbow W/ Turning Vane	1	0%	1	EA
35	22"x14" Supply Air Duct 90 Deg Elbow W/ Turning Vane	1	0%	1	EA
36	24"x12" Supply Air Duct 90 Deg Elbow W/ Turning Vane	2	0%	2	EA
37	24"x14" Supply Air Duct 90 Deg Elbow W/ Turning Vane	1	0%	1	EA
38	24"x16" Supply Air Duct 90 Deg Elbow W/ Turning Vane	1	0%	1	EA
39	24"x22" Supply Air Duct 90 Deg Elbow W/ Turning Vane	1	0%	1	EA
40	28"x18" Supply Air Duct 90 Deg Elbow	1	0%	1	EA
41	30"x12" Supply Air Duct 90 Deg Elbow W/ Turning Vane	1	0%	1	EA
42	36"x14" Supply Air Duct 90 Deg Elbow W/ Turning Vane	1	0%	1	EA
43	38"x10" Supply Air Duct 90 Deg Elbow W/ Turning Vane	1	0%	1	EA
44	38"x18" Supply Air Duct 90 Deg Elbow W/ Turning Vane	2	0%	2	EA
45	38"x22" Supply Air Duct 90 Deg Elbow W/ Turning Vane	1	0%	1	EA
46	4" Dia Supply Air Duct 90 Deg Elbow	4	0%	4	EA
47	40"x16" Supply Air Duct 90 Deg Elbow W/ Turning Vane	1	0%	1	EA
48	40"x20" Supply Air Duct 90 Deg Elbow W/ Turning Vane	1	0%	1	EA
49	40"x26" Supply Air Duct 90 Deg Elbow	1	0%	1	EA
50	46"x24" Supply Air Duct 90 Deg Elbow	3	0%	3	EA
51	46"x24" Supply Air Duct 90 Deg Elbow W/ Turning Vane	2	0%	2	EA
52	46"x26" Supply Air Duct 90 Deg Elbow	2	0%	2	EA
53	46"x26" Supply Air Duct 90 Deg Elbow W/ Turning Vane	3	0%	3	EA
54	48"x26" Supply Air Duct 90 Deg Elbow	1	0%	1	EA
55	50"x24" Supply Air Duct 90 Deg Elbow W/ Turning Vane	2	0%	2	EA
56	52"x20" Supply Air Duct 90 Deg Elbow W/ Turning Vane	2	0%	2	EA
57	52"x26" Supply Air Duct 90 Deg Elbow	1	0%	1	EA
58	52"x26" Supply Air Duct 90 Deg Elbow W/ Turning Vane	2	0%	2	EA
59	54"x20" Supply Air Duct 90 Deg Elbow W/ Turning Vane	3	0%	3	EA
60	54"x22" Supply Air Duct 90 Deg Elbow W/ Turning Vane	1	0%	1	EA
61	54"x24" Supply Air Duct 90 Deg Elbow W/ Turning Vane	2	0%	2	EA
62	56"x18" Supply Air Duct 90 Deg Elbow	2	0%	2	EA
63	56"x20" Supply Air Duct 90 Deg Elbow W/ Turning Vane	2	0%	2	EA

64	6" Dia Supply Air Duct 90 Deg Elbow	31	0%	31	EA
65	6"x10" Supply Air Duct 90 Deg Elbow W/ Turning Vane	1	0%	1	EA
66	6"x12" Supply Air Duct 45 Deg Elbow W/ Turning Vane	1	0%	1	EA
67	6"x6" Supply Air Duct 90 Deg Elbow W/ Turning Vane	3	0%	3	EA
68	6"x8" Supply Air Duct 90 Deg Elbow W/ Turning Vane	3	0%	3	EA
69	60"x18" Supply Air Duct 90 Deg Elbow W/ Turning Vane	1	0%	1	EA
70	60"x20" Supply Air Duct 90 Deg Elbow W/ Turning Vane	1	0%	1	EA
71	60"x22" Supply Air Duct 90 Deg Elbow W/ Turning Vane	2	0%	2	EA
72	64"x18" Supply Air Duct 90 Deg Elbow	1	0%	1	EA
73	70"x18" Supply Air Duct 90 Deg Elbow W/ Turning Vane	1	0%	1	EA
74	8" Dia Supply Air Duct 45 Deg Elbow	4	0%	4	EA
75	8" Dia Supply Air Duct 90 Deg Elbow	50	0%	50	EA
76	8"x10" Supply Air Duct 90 Deg Elbow W/ Turning Vane	12	0%	12	EA
77	8"x12" Supply Air Duct 90 Deg Elbow W/ Turning Vane	1	0%	1	EA
78	8"x6" Supply Air Duct 90 Deg Elbow W/ Turning Vane	3	0%	3	EA
79	8"x8" Supply Air Duct 90 Deg Elbow W/ Turning Vane	1	0%	1	EA
80	10"x6" Return Air Duct 90 Deg Elbow	1	0%	1	EA
81	18"x10" Return Air Duct 90 Dge Elbow	2	0%	2	EA
82	46"x18" Return Air Duct 45 Deg Elbow W/ Turning Vane	2	0%	2	EA
83	46"x20" Return Air Duct 45 Deg Elbow W/ Turning Vane	2	0%	2	EA
84	46"x20" Return Air Duct 90 Deg Elbow W/ Turning Vane	1	0%	1	EA
85	46"x26" Return Air Duct 90 Deg Elbow	3	0%	3	EA
86	46"x26" Return Air Duct 90 Deg Elbow W/ Turning Vane	11	0%	11	EA
87	48"x22" Return Air Duct 90 Deg Elbow W/ Turning Vane	2	0%	2	EA
88	52"x23" Return Air Duct 90 Deg Elbow	1	0%	1	EA
89	52"x26" Return Air Duct 90 Deg Elbow W/ Turning Vane	6	0%	6	EA
90	6"x6" Return Air Duct 90 Deg Elbow W/ Turning Vane	10	0%	10	EA
91	64"x18" Return Air Duct 90 Deg Elbow	1	0%	1	EA
92	8"x8" Return Air Duct 90 Deg Elbow W/ Turning Vane	3	0%	3	EA
93	10"x10" Outside Air Duct 90 Deg Elbow W/ Turning Vanes	6	0%	6	EA
94	12"x12" Outside Air Duct 90 Deg Elbow W/ Turning Vanes	2	0%	2	EA
95	14"x14" Outside Air Duct 90 Deg Elbow W/ Turning Vanes	2	0%	2	EA
96	18"x18" Outside Air Duct 90 Deg Elbow W/ Turning Vanes	2	0%	2	EA
97	30"x22" Outside Air Duct 90 Deg Elbow W/ Turning Vane	1	0%	1	EA
98	8"x10" Outside Air Duct 90 Deg Elbow W/ Turning Vanes	3	0%	3	EA
99	8"x8" Outside Air Duct 90 Deg Elbow W/ Turning Vanes	7	0%	7	EA
100	10"x10" Transfer Air Duct 90 Deg Elbow W/ Turning Vane	5	0%	5	EA
101	12"x12" Transfer Air Duct 90 Deg Elbow W/ Turning Vane	6	0%	6	EA
102	16"x16" Transfer Air Duct 90 Deg Elbow W/ Turning Vane	10	0%	10	EA
103	18"x18" Transfer Air Duct 90 Deg Elbow W/ Turning Vane	1	0%	1	EA
104	20"x20" Transfer Air Duct 90 Deg Elbow W/ Turning Vane	4	0%	4	EA
105	6"x6" Transfer Air Duct 90 Deg Elbow W/ Turning Vane	1	0%	1	EA
106	8"x8" Transfer Air Duct 90 Deg Elbow	9	0%	9	EA
107	8"x8" Transfer Air Duct 90 Deg Elbow W/ Turning Vane	2	0%	2	EA
108	10"x10" Exhaust Air Duct 90 Deg Elbow W/ Turning Vane	4	0%	4	EA
109	10"x12" Exhaust Air Duct 90 Deg Elbow	1	0%	1	EA
110	10"x8" Exhaust Air Duct 90 Deg Elbow W/ Turning Vane	8	0%	8	EA
111	12"x20" Exhaust Air Duct 90 Deg Elbow	1	0%	1	EA
112	12"x8" Exhaust Air Duct 45 Deg Elbow W/ Turning Vane	2	0%	2	EA
113	12"x8" Exhaust Air Duct 90 Deg Elbow W/ Turning Vane	2	0%	2	EA
114	14"x10" Exhaust Air Duct 90 Deg Elbow W/ Turning Vane	3	0%	3	EA
115	14"x14" Exhaust Air Duct 90 Deg Elbow W/ Turning Vane	2	0%	2	EA
116	16"x10" Exhaust Air Duct 90 Deg Elbow	1	0%	1	EA
117	16"x16" Exhaust Air Duct 90 Deg Elbow	1	0%	1	EA
118	18"x16" Exhaust Air Duct 90 Deg Elbow	2	0%	2	EA
119	6"x6" Exhaust Air Duct 90 Deg Elbow W/ Turning Vane	19	0%	19	EA
120	6"x8" Exhaust Air Duct 90 Deg Elbow W/ Turning Vane	2	0%	2	EA
121	8"x10" Exhaust Air Duct 90 Deg Elbow W/ Turning Vane	3	0%	3	EA
122	8"x18" Exhaust Air Duct 90 Deg Elbow W/ Turning Vane	1	0%	1	EA
123	8"x6" Exhaust Air Duct 90 Deg Elbow W/ Turning Vane	2	0%	2	EA
124	8"x8" Exhaust Air Duct 90 Deg Elbow W/ Turning Vane	9	0%	9	EA
TAKE-OFF					

1	10" / 6" Dia Supply Air Duct Take off	1	0%	1	EA
2	10" Dia / 8"x6" Supply Air Duct Take off	1	0%	1	EA
3	10"x10" / 12"x8" Supply Air Duct Take off	1	0%	1	EA
4	10"x10" / 6"x8" Supply Air Duct Take off	2	0%	2	EA
5	10"x10" / 8" Dia Supply Air Duct Take off	17	0%	17	EA
6	10"x12" / 10" Dia Supply Air Duct Take off	55	0%	55	EA
7	10"x12" / 10" Supply Air Duct Take off	1	0%	1	EA
8	10"x12" / 6" Dia Supply Air Duct Take off	3	0%	3	EA
9	10"x12" / 8" Dia Supply Air Duct Take off	6	0%	6	EA
10	10"x12" / 8"x10" Supply Air Duct Take off	2	0%	2	EA
11	10"x6" / 6" Dia Supply Air Duct Take off	1	0%	1	EA
12	10"x6" / 6"x10" Supply Air Duct Take off	1	0%	1	EA
13	10"x6" / 8" Dia Supply Air Duct Take off	1	0%	1	EA
14	10"x8" / 6" Dia Supply Air Duct Take off	2	0%	2	EA
15	10"x8" / 8" Dia Supply Air Duct Take off	3	0%	3	EA
16	10"x8" / 8"x6" Supply Air Duct Take off	2	0%	2	EA
17	12" / 10" Dia Supply Air Duct Take off	1	0%	1	EA
18	12"x10" / 10" Dia Supply Air Duct Take off	12	0%	12	EA
19	12"x10" / 10"x6" Supply Air Duct Take off	1	0%	1	EA
20	12"x10" / 6" Dia Supply Air Duct Take off	1	0%	1	EA
21	12"x10" / 8" Dia Supply Air Duct Take off	9	0%	9	EA
22	12"x10" / 8"x12" Supply Air Duct Take off	1	0%	1	EA
23	12"x10" / 8"x6" Supply Air Duct Take off	3	0%	3	EA
24	12"x12" / 10" Dia Supply Air Duct Take off	23	0%	23	EA
25	12"x12" / 10"x10" Supply Air Duct Take off	2	0%	2	EA
26	12"x12" / 12" Dia Supply Air Duct Take off	1	0%	1	EA
27	12"x12" / 6" Dia Supply Air Duct Take off	2	0%	2	EA
28	12"x12" / 8" Dia Supply Air Duct Take off	7	0%	7	EA
29	12"x12" / 8"x10" Supply Air Duct Take off	4	0%	4	EA
30	12"x12" / 8"x6" Supply Air Duct Take off	2	0%	2	EA
31	12"x14" / 12" Dia Supply Air Duct Take off	6	0%	6	EA
32	12"x6" / 10" Dia Supply Air Duct Take off	1	0%	1	EA
33	12"x6" / 8"x6" Supply Air Duct Take off	1	0%	1	EA
34	12"x8" / 6" Dia Supply Air Duct Take off	2	0%	2	EA
35	12"x8" / 8" Dia Supply Air Duct Take off	1	0%	1	EA
36	12"x8" / 8"x6" Supply Air Duct Take off	2	0%	2	EA
37	14"x12" / 10" Dia Supply Air Duct Take off	28	0%	28	EA
38	14"x12" / 10"x12" Supply Air Duct TAKE off	1	0%	1	EA
39	14"x12" / 12"x10" Supply Air Duct Take off	1	0%	1	EA
40	14"x12" / 12"x8" Supply Air Duct Take off	1	0%	1	EA
41	14"x12" / 14"x8" Supply Air Duct Take off	1	0%	1	EA
42	14"x12" / 6"x6" Supply Air Duct Take off	1	0%	1	EA
43	14"x12" / 8" Dia Supply Air Duct Take off	6	0%	6	EA
44	14"x14" / 10" Dia Supply Air Duct Take off	18	0%	18	EA
45	14"x14" / 10" Supply Air Duct Take off	1	0%	1	EA
46	14"x14" / 10"x12" Supply Air Duct Take off	1	0%	1	EA
47	14"x14" / 12" Dia Supply Air Duct Take off	6	0%	6	EA
48	14"x14" / 12"x10" Supply Air Duct Take off	1	0%	1	EA
49	14"x14" / 12"x12" Supply Air Duct Take off	2	0%	2	EA
50	14"x14" / 6" Dia Supply Air Duct Take off	1	0%	1	EA
51	14"x14" / 6"x10" Supply Air Duct Take off	1	0%	1	EA
52	14"x14" / 8" Dia Supply Air Duct Take off	4	0%	4	EA
53	14"x14" / 8"x10" Supply Air Duct Take off	1	0%	1	EA
54	14"x6" / 10" Dia Supply Air Duct Take off	1	0%	1	EA
55	14"x8" / 4" Dia Supply Air Duct Take off	1	0%	1	EA
56	16"x10" / 8"x6" Supply Air Duct Take off	1	0%	1	EA
57	16"x12" / 10" Dia Supply Air Duct Take off	14	0%	14	EA
58	16"x12" / 10"x12" Supply Air Duct Take off	2	0%	2	EA
59	16"x12" / 12" Dia Supply Air Duct Take off	1	0%	1	EA
60	16"x12" / 12"x10" Supply Air Duct Take off	1	0%	1	EA
61	16"x12" / 12"x6" Supply Air Duct Take off	1	0%	1	EA
62	16"x12" / 8" Dia Supply Air Duct Take off	2	0%	2	EA
63	16"x14" / 10" Dia Supply Air Duct Take off	19	0%	19	EA

64	16"x14" / 10"x12" Supply Air Duct Take off	1	0%	1	EA
65	16"x14" / 10"x12" Supply Air Duct Take off	1	0%	1	EA
66	16"x14" / 12" Dia Supply Air Duct Take off	1	0%	1	EA
67	16"x14" / 14"x6" Supply Air Duct Take off	1	0%	1	EA
68	16"x14" / 6" Dia Supply Air Duct Take off	1	0%	1	EA
69	16"x14" / 6"x10" Supply Air Duct Take off	1	0%	1	EA
70	16"x14" / 6"x12" Supply Air Duct Take off	1	0%	1	EA
71	16"x14" / 6"x6" Supply Air Duct Take off	2	0%	2	EA
72	16"x16" / 10" Dia Supply Air Duct Take off	4	0%	4	EA
73	16"x16" / 10"x12" Supply Air Duct Take off	1	0%	1	EA
74	16"x16" / 14"x14" Supply Air Duct Take off	1	0%	1	EA
75	16"x16" / 16" Dia Supply Air Duct Take off	3	0%	3	EA
76	18"x10" / 8"x6" Supply Air Duct Take off	3	0%	3	EA
77	18"x12" / 10" Dia Supply Air Duct Take off	3	0%	3	EA
78	18"x12" / 10"x12" Supply Air Duct Take off	1	0%	1	EA
79	18"x12" / 12" Dia Supply Air Duct Take off	1	0%	1	EA
80	18"x12" / 12"x8" Supply Air Duct Take off	1	0%	1	EA
81	18"x14" / 10" Dia Supply Air Duct Take off	5	0%	5	EA
82	18"x14" / 10"x12" Supply Air Duct Take off	1	0%	1	EA
83	18"x14" / 12"x12" Supply Air Duct Take off	2	0%	2	EA
84	18"x16" / 10"x12" Supply Air Duct Take off	1	0%	1	EA
85	18"x28" / 16"x16" Supply Air Duct Take off	3	0%	3	EA
86	20"x10" / 10"x8" Supply Air Duct Take off	1	0%	1	EA
87	20"x12" / 12"x10" Supply Air Duct Take off	1	0%	1	EA
88	20"x14" / 10" Dia Supply Air Duct Take off	1	0%	1	EA
89	20"x14" / 10"x12" Supply Air Duct Take off	1	0%	1	EA
90	20"x14" / 12" Dia Supply Air Duct Take off	1	0%	1	EA
91	20"x14" / 12"x12" Supply Air Duct Take off	1	0%	1	EA
92	20"x14" / 6" Dia Supply Air Duct Take off	1	0%	1	EA
93	20"x16" / 12"x10" Supply Air Duct Take off	1	0%	1	EA
94	22"x12" / 18"x10" Supply Air Duct Take off	1	0%	1	EA
95	22"x14" / 14"x12" Supply Air Duct Take off	1	0%	1	EA
96	22"x18" / 14"x12" Supply Air Duct Take off	1	0%	1	EA
97	22"x18" / 14"x8" Supply Air Duct Take off	1	0%	1	EA
98	24"x16" / 12"x12" Supply Air Duct Take off	2	0%	2	EA
99	24"x18" / 14"x12" Supply Air Duct Take off	2	0%	2	EA
100	24"x18" / 14"x14" Supply Air Duct Take off	1	0%	1	EA
101	24"x22" / 16" Dia Supply Air Duct Take off	3	0%	3	EA
102	24"x22" / 24"x22" Supply Air Duct Take off	1	0%	1	EA
103	28"x12" / 14"x10" Supply Air Duct Take off	3	0%	3	EA
104	28"x16" / 14"x12" Supply Air Duct Take off	2	0%	2	EA
105	28"x16" / 16"x14" Supply Air Duct Take off	1	0%	1	EA
106	28"x18" / 10"x8" Supply Air Duct Take off	1	0%	1	EA
107	28"x18" / 12" Dia Supply Air Duct Take off	1	0%	1	EA
108	28"x20" / 16"x14" Supply Air Duct Take off	1	0%	1	EA
109	28"x20" / 8"x8" Supply Air Duct Take off	2	0%	2	EA
110	30"x12" / 20"x10" Supply Air Duct Take off	1	0%	1	EA
111	30"x16" / 12"x10" Supply Air Duct Take off	2	0%	2	EA
112	30"x16" / 14"x12" Supply Air Duct Take off	1	0%	1	EA
113	32"x16" / 12"x10" Supply Air Duct Take off	2	0%	2	EA
114	34"x14" / 12"x10" Supply Air Duct Take off	1	0%	1	EA
115	34"x14" / 12"x12" Supply Air Duct Take off	2	0%	2	EA
116	34"x14" / 16"x12" Supply Air Duct Take off	1	0%	1	EA
117	34"x18" / 10"x10" Supply Air Duct Take off	1	0%	1	EA
118	34"x18" / 12"x10" Supply Air Duct Take off	1	0%	1	EA
119	34"x18" / 12"x12" Supply Air Duct Take off	1	0%	1	EA
120	34"x18" / 18"x16" Supply Air Duct Take off	1	0%	1	EA
121	36"x14" / 12"x12" Supply Air Duct Take off	1	0%	1	EA
122	36"x14" / 12"x8" Supply Air Duct Take off	1	0%	1	EA
123	36"x14" / 14"x12" Supply Air Duct Take off	3	0%	3	EA
124	36"x16" / 10"x8" Supply Air Duct Take off	1	0%	1	EA
125	36"x16" / 8"x8" Supply Air Duct Take off	1	0%	1	EA
126	38"x12" / 12"x12" Supply Air Duct Take off	1	0%	1	EA

127	38"x12" / 16"x10" Supply Air Duct Take off	2	0%	2	EA
128	38"x18" / 14"x14" Supply Air Duct Take off	1	0%	1	EA
129	38"x18" / 16"x14" Supply Air Duct Take off	1	0%	1	EA
130	38"x20" / 10"x8" Supply Air Duct Take off	1	0%	1	EA
131	38"x20" / 12"x10" Supply Air Duct Take off	1	0%	1	EA
132	40"x12" / 10"x10" Supply Air Duct Take off	1	0%	1	EA
133	40"x12" / 12"x8" Supply Air Duct Take off	1	0%	1	EA
134	40"x16" / 12" Dia Supply Air Duct Take off	1	0%	1	EA
135	40"x18" / 14"x14" Supply Air Duct Take off	1	0%	1	EA
136	40"x18" / 16"x12" Supply Air Duct Take off	1	0%	1	EA
137	42"x7" / 16" Dia Supply Air Duct Take off	2	0%	2	EA
138	44"x14" / 10"x10" Supply Air Duct Take off	1	0%	1	EA
139	44"x14" / 12"x12" Supply Air Duct Take off	1	0%	1	EA
140	44"x14" / 14"x12" Supply Air Duct Take off	2	0%	2	EA
141	44"x14" / 16"x12" Supply Air Duct Take off	1	0%	1	EA
142	44"x18" / 10"x10" Supply Air Duct Take off	1	0%	1	EA
143	44"x18" / 14"x12" Supply Air Duct Take off	2	0%	2	EA
144	44"x18" / 16"x12" Supply Air Duct Take off	1	0%	1	EA
145	48"x18" / 14"x12" Supply Air Duct Take off	1	0%	1	EA
146	48"x18" / 16"x14" Supply Air Duct Take off	1	0%	1	EA
147	48"x20" / 10"x8" Supply Air Duct Take off	1	0%	1	EA
148	48"x20" / 12" Dia Supply Air Duct Take off	1	0%	1	EA
149	48"x20" / 12"x12" Supply Air Duct Take off	1	0%	1	EA
150	48"x20" / 14"x12" Supply Air Duct Take off	2	0%	2	EA
151	48"x20" / 14"x14" Supply Air Duct Take off	4	0%	4	EA
152	48"x20" / 38"x10" Supply Air Duct Take off	1	0%	1	EA
153	50"x14" / 10" Dia Supply Air Duct Take off	1	0%	1	EA
154	50"x14" / 12"x12" Supply Air Duct Take off	1	0%	1	EA
155	50"x16" / 12"x12" Supply Air Duct Take off	1	0%	1	EA
156	50"x16" / 16"x14" Supply Air Duct Take off	1	0%	1	EA
157	50"x16" / 18"x12" Supply Air Duct Take off	1	0%	1	EA
158	50"x18" / 14"x14" Supply Air Duct Take off	1	0%	1	EA
159	50"x18" / 8"x8" Supply Air Duct Take off	2	0%	2	EA
160	52"x26" / 70"x18" Supply Air Duct Take off	1	0%	1	EA
161	54"x18" / 12"x12" Supply Air Duct Take off	1	0%	1	EA
162	54"x18" / 14"x12" Supply Air Duct Take off	1	0%	1	EA
163	54"x22" / 10"x8" Supply Air Duct Take off	1	0%	1	EA
164	54"x22" / 12"x12" Supply Air Duct Take off	1	0%	1	EA
165	54"x22" / 14"x14" Supply Air Duct Take off	1	0%	1	EA
166	54"x22" / 18"x14" Supply Air Duct Take off	1	0%	1	EA
167	54"x24" / 10"x6" Supply Air Duct Take off	1	0%	1	EA
168	54"x24" / 56"x20" Supply Air Duct Take off	1	0%	1	EA
169	56"x14" / 20"x12" Supply Air Duct Take off	2	0%	2	EA
170	56"x14" / 8"x8" Supply Air Duct Take off	2	0%	2	EA
171	56"x16" / 10"x10" Supply Air Duct Take off	1	0%	1	EA
172	56"x16" / 10"x8" Supply Air Duct Take off	2	0%	2	EA
173	56"x18" / 10"x10" Supply Air Duct Take off	4	0%	4	EA
174	56"x18" / 18"x12" Supply Air Duct Take off	1	0%	1	EA
175	56"x18" / 20"x10" Supply Air Duct Take off	1	0%	1	EA
176	56"x18" / 24"x12" Supply Air Duct Take off	1	0%	1	EA
177	56"x20" / 10"x10" Supply Air Duct Take off	1	0%	1	EA
178	56"x20" / 16"x16" Supply Air Duct Take off	1	0%	1	EA
179	6"x10" / 8" Dia Supply Air Duct Take off	2	0%	2	EA
180	6"x6" / 6" Dia Supply Air Duct Take off	1	0%	1	EA
181	6"x6" / 6"x6" Supply Air Duct Take off	1	0%	1	EA
182	6"x8" / 6" Dia Supply Air Duct Take off	5	0%	5	EA
183	60"x18" / 16"x10" Supply Air Duct Take off	1	0%	1	EA
184	60"x18" / 16"x16" Supply Air Duct Take off	1	0%	1	EA
185	60"x18" / 18"x16" Supply Air Duct Take off	1	0%	1	EA
186	60"x18" / 40"x16" Supply Air Duct Take off	1	0%	1	EA
187	60"x18" / 8"x8" Supply Air Duct Take off	1	0%	1	EA
188	60"x20" / 10"x8" Supply Air Duct Take off	1	0%	1	EA
189	60"x20" / 14"x12" Supply Air Duct Take off	1	0%	1	EA

190	60"x20" / 28"x18" Supply Air Duct Take off	1	0%	1	EA
191	8" / 6" Dia Supply Air Duct Take off	3	0%	3	EA
192	8" Dia / 6"x6" Supply Air Duct Take off	1	0%	1	EA
193	8"x10" / 10" Dia Supply Air Duct Take off	1	0%	1	EA
194	8"x10" / 6" Dia Supply Air Duct Take off	2	0%	2	EA
195	8"x10" / 8" Dia Supply Air Duct Take off	22	0%	22	EA
196	8"x10" / 8"x8" Supply Air Duct Take off	1	0%	1	EA
197	8"x12" / 10" Dia Supply Air Duct Take off	1	0%	1	EA
198	8"x8" / 6" Dia Supply Air Duct Take off	5	0%	5	EA
199	8"x8" / 8" Dia Supply Air Duct Take off	1	0%	1	EA
200	10"x6" / 8"x8" Return Air Duct Take off	1	0%	1	EA
201	12"x10" / 10"x6" Return Air Duct Take off	1	0%	1	EA
202	16"x16" / 4" Dia Return Air Duct Take off	1	0%	1	EA
203	18"x10" / 16"x16" Return Air Duct Take off	1	0%	1	EA
204	18"x12" / 16"x16" Return Air Duct Take off	2	0%	2	EA
205	44"x10" / 16"x16" Return Air Duct Take off	1	0%	1	EA
206	44"x10" / 4" Dia Return Air Duct Take off	1	0%	1	EA
207	46"x18" / 42"x22" Return Air Duct Take off	1	0%	1	EA
208	46"x20" / 46"x18" Return Air Duct Take off	1	0%	1	EA
209	52"x26" / 60"x24" Return Air Duct Take off	1	0%	1	EA
210	52"x26" / 90"x24" Return Air Duct Take off	1	0%	1	EA
211	54"x24" / 64"x20" Return Air Duct Take off	1	0%	1	EA
212	64"x18" / 72"x16" Return Air Duct Take off	2	0%	2	EA
213	8"x6" / 6"x6" Return Air Duct Take off	1	0%	1	EA
214	8"x8" / 6"x6" Return Air Duct Take off	2	0%	2	EA
215	20"x20" / 16" Dia Transfer Air Duct Transfer Airke off	1	0%	1	EA
216	10"x10" / 8"x8" Exhaust Air Duct Take off	2	0%	2	EA
217	12"x10" / 6"x6" Exhaust Air Duct Take off	1	0%	1	EA
218	12"x10" / 8"x6" Exhaust Air Duct Take off	1	0%	1	EA
219	12"x20" / 10"x8" Exhaust Air Duct Take off	1	0%	1	EA
220	12"x8" / 10"x6" Exhaust Air Duct Take off	1	0%	1	EA
221	12"x8" / 6"x6" Exhaust Air Duct Take off	1	0%	1	EA
222	16"x10" / 6"x6" Exhaust Air Duct Take off	1	0%	1	EA
223	20"x10" / 8"x18" Exhaust Air Duct Take off	1	0%	1	EA
224	36"x16" / 18"x16" Exhaust Air Duct Take off	2	0%	2	EA
225	8"x6" / 6"x6" Exhaust Air Duct Take off	1	0%	1	EA
226	8"x8" / 6"x6" Exhaust Air Duct Take off	6	0%	6	EA
REDUCER					
1	10" / 8" Dia Supply Air Duct Reducer	1	0%	1	EA
2	10"x10" / 10"x8" Supply Air Duct Reducer	1	0%	1	EA
3	10"x10" / 6"x6" Supply Air Duct Reducer	1	0%	1	EA
4	10"x10" / 6"x8" Supply Air Duct Reducer	1	0%	1	EA
5	10"x10" / 8"x10" Supply Air Duct Reducer	1	0%	1	EA
6	10"x10" / 8"x8" Supply Air Duct Reducer	1	0%	1	EA
7	10"x12" / 8"x10" Supply Air Duct Reducer	2	0%	2	EA
8	10"x12" / 8"x12" Supply Air Duct Reducer	1	0%	1	EA
9	10"x8" / 8"x8" Supply Air Duct Reducer	1	0%	1	EA
10	12" / 10" Dia Supply Air Duct Reducer	1	0%	1	EA
11	12"x10" / 10"x10" Supply Air Duct Reducer	3	0%	3	EA
12	12"x10" / 10"x8" Supply Air Duct Reducer	1	0%	1	EA
13	12"x10" / 6"x8" Supply Air Duct Reducer	1	0%	1	EA
14	12"x10" / 8" Dia Supply Air Duct Reducer	1	0%	1	EA
15	12"x10" / 8"x10" Supply Air Duct Reducer	2	0%	2	EA
16	12"x12" / 10"x10" Supply Air Duct Reducer	2	0%	2	EA
17	12"x12" / 10"x12" Supply Air Duct Reducer	5	0%	5	EA
18	12"x12" / 10x12" Supply Air Duct Reducer	1	0%	1	EA
19	12"x12" / 12"x10" Supply Air Duct Reducer	1	0%	1	EA
20	12"x12" / 8"x10" Supply Air Duct Reducer	2	0%	2	EA
21	12"x12" / 8"x6" Supply Air Duct Reducer	1	0%	1	EA
22	12"x6" / 6"x12" Supply Air Duct Reducer	1	0%	1	EA
23	12"x8" / 10"x6" Supply Air Duct Reducer	1	0%	1	EA
24	12"x8" / 12"x6" Supply Air Duct Reducer	1	0%	1	EA

25	12"x8" / 8"x8" Supply Air Duct Reducer	1	0%	1	EA
26	14"x12" / 10"x10" Supply Air Duct Reducer	1	0%	1	EA
27	14"x12" / 10"x12" Supply Air Duct Reducer	5	0%	5	EA
28	14"x12" / 10"x12" Supply Air Duct Reducer	1	0%	1	EA
29	14"x12" / 12"x10" Supply Air Duct Reducer	1	0%	1	EA
30	14"x12" / 12"x12" Supply Air Duct Reducer	2	0%	2	EA
31	14"x12" / 12"x8" Supply Air Duct Reducer	1	0%	1	EA
32	14"x12" / 8"x10" Supply Air Duct Reducer	1	0%	1	EA
33	14"x12" / 8"x8" Supply Air Duct Reducer	1	0%	1	EA
34	14"x14" / 10"x12" Supply Air Duct Reducer	2	0%	2	EA
35	14"x14" / 12"x10" Supply Air Duct Reducer	1	0%	1	EA
36	14"x14" / 12"x12" Supply Air Duct Reducer	6	0%	6	EA
37	14"x14" / 12"x14" Supply Air Duct Reducer	2	0%	2	EA
38	14"x14" / 14"x12" Supply Air Duct Reducer	4	0%	4	EA
39	16"x10" / 12"x10" Supply Air Duct Reducer	1	0%	1	EA
40	16"x12" / 10"x12" Supply Air Duct Reducer	2	0%	2	EA
41	16"x12" / 12"x10" Supply Air Duct Reducer	1	0%	1	EA
42	16"x14" / 10"x12" Supply Air Duct Reducer	5	0%	5	EA
43	16"x14" / 12"x10" Supply Air Duct Reducer	1	0%	1	EA
44	16"x14" / 12"x14" Supply Air Duct Reducer	1	0%	1	EA
45	16"x14" / 12"x12" Supply Air Duct Reducer	1	0%	1	EA
46	16"x14" / 14"x12" Supply Air Duct Reducer	3	0%	3	EA
47	16"x14" / 14"x14" Supply Air Duct Reducer	1	0%	1	EA
48	16"x16" / 10"x12" Supply Air Duct Reducer	1	0%	1	EA
49	16"x16" / 12"x8" Supply Air Duct Reducer	1	0%	1	EA
50	16"x16" / 14"x14" Supply Air Duct Reducer	2	0%	2	EA
51	18"x10" / 12"x10" Supply Air Duct Reducer	1	0%	1	EA
52	18"x10" / 16"x10" Supply Air Duct Reducer	1	0%	1	EA
53	18"x12" / 12"x12" Supply Air Duct Reducer	1	0%	1	EA
54	18"x12" / 12"x8" Supply Air Duct Reducer	1	0%	1	EA
55	18"x12" / 14"x12" Supply Air Duct Reducer	1	0%	1	EA
56	18"x14" / 12"x12" Supply Air Duct Reducer	1	0%	1	EA
57	18"x14" / 14"x12" Supply Air Duct Reducer	1	0%	1	EA
58	18"x14" / 14"x14" Supply Air Duct Reducer	1	0%	1	EA
59	18"x14" / 18"x12" Supply Air Duct Reducer	1	0%	1	EA
60	18"x16" / 16"x12" Supply Air Duct Reducer	1	0%	1	EA
61	20"x10" / 16"x12" Supply Air Duct Reducer	1	0%	1	EA
62	20"x12" / 16"x12" Supply Air Duct Reducer	1	0%	1	EA
63	20"x14" / 14"x12" Supply Air Duct Reducer	1	0%	1	EA
64	20"x14" / 16"x12" Supply Air Duct Reducer	2	0%	2	EA
65	20"x14" / 16"x14" Supply Air Duct Reducer	1	0%	1	EA
66	20"x16" / 20"x12" Supply Air Duct Reducer	1	0%	1	EA
67	22"x12" / 16"x10" Supply Air Duct Reducer	1	0%	1	EA
68	22"x14" / 14"x14" Supply Air Duct Reducer	1	0%	1	EA
69	22"x18" / 16"x14" Supply Air Duct Reducer	1	0%	1	EA
70	24"x12" / 12"x10" Supply Air Duct Reducer	1	0%	1	EA
71	24"x16" / 16"x14" Supply Air Duct Reducer	1	0%	1	EA
72	24"x24" / 24"x12" Supply Air Duct Reducer	1	0%	1	EA
73	28"x18" / 22"x18" Supply Air Duct Reducer	1	0%	1	EA
74	28"x20" / 18"x22" Supply Air Duct Reducer	1	0%	1	EA
75	28"x20" / 24"x18" Supply Air Duct Reducer	1	0%	1	EA
76	30"x12" / 18"x12" Supply Air Duct Reducer	1	0%	1	EA
77	32"x16" / 24"x16" Supply Air Duct Reducer	1	0%	1	EA
78	34"x18" / 28"x16" Supply Air Duct Reducer	1	0%	1	EA
79	34"x18" / 30"x16" Supply Air Duct Reducer	1	0%	1	EA
80	36"x16" / 36"x14" Supply Air Duct Reducer	1	0%	1	EA
81	38"x10" / 30"x12" Supply Air Duct Reducer	1	0%	1	EA
82	38"x20" / 34"x18" Supply Air Duct Reducer	1	0%	1	EA
83	40"x12" / 28"x12" Supply Air Duct Reducer	1	0%	1	EA
84	40"x12" / 38"x18" Supply Air Duct Reducer	1	0%	1	EA
85	40"x18" / 34"x14" Supply Air Duct Reducer	1	0%	1	EA
86	40"x20" / 38"x18" Supply Air Duct Reducer	1	0%	1	EA
87	48"x18" / 34"x18" Supply Air Duct Reducer	1	0%	1	EA

88	48"x20" / 38"x20" Supply Air Duct Reducer	1	0%	1	EA
89	50"x14" / 44"x14" Supply Air Duct Reducer	1	0%	1	EA
90	50"x16" / 36"x16" Supply Air Duct Reducer	1	0%	1	EA
91	50"x16" / 50"x14" Supply Air Duct Reducer	1	0%	1	EA
92	50"x18" / 40"x18" Supply Air Duct Reducer	1	0%	1	EA
93	50"x24" / 48"x20" Supply Air Duct Reducer	1	0%	1	EA
94	52"x20" / 40"x26" Supply Air Duct Reducer	1	0%	1	EA
95	52"x26" / 50"x18" Supply Air Duct Reducer	1	0%	1	EA
96	54"x18" / 44"x18" Supply Air Duct Reducer	1	0%	1	EA
97	54"x22" / 38"x22" Supply Air Duct Reducer	1	0%	1	EA
98	54"x22" / 40"x20" Supply Air Duct Reducer	1	0%	1	EA
99	54"x22" / 48"x20" Supply Air Duct Reducer	1	0%	1	EA
100	54"x24" / 48"x18" Supply Air Duct Reducer	1	0%	1	EA
101	56"x14" / 38"x12" Supply Air Duct Reducer	1	0%	1	EA
102	56"x16" / 50"x16" Supply Air Duct Reducer	1	0%	1	EA
103	56"x18" / 50"x16" Supply Air Duct Reducer	1	0%	1	EA
104	56"x18" / 54"x18" Supply Air Duct Reducer	1	0%	1	EA
105	56"x22" / 46"x24" Supply Air Duct Reducer	1	0%	1	EA
106	56"x22" / 56"x44" Supply Air Duct Reducer	1	0%	1	EA
107	60"x18" / 46"x26" Supply Air Duct Reducer	1	0%	1	EA
108	60"x18" / 50"x18" Supply Air Duct Reducer	1	0%	1	EA
109	60"x18" / 56"x14" Supply Air Duct Reducer	1	0%	1	EA
110	60"x20" / 56"x16" Supply Air Duct Reducer	1	0%	1	EA
111	60"x22" / 48"x26" Supply Air Duct Reducer	1	0%	1	EA
112	60"x22" / 52"x26" Supply Air Duct Reducer	1	0%	1	EA
113	64"x18" / 60"x20" Supply Air Duct Reducer	1	0%	1	EA
114	8" / 6" Dia Supply Air Duct Reducer	2	0%	2	EA
115	8"x10" / 6"x6" Supply Air Duct Reducer	1	0%	1	EA
116	8"x8" / 6"x8" Supply Air Duct Reducer	1	0%	1	EA
117	10"x6" / 8"x8" Return Air Duct Reducer	2	0%	2	EA
118	12"x10" / 10"x6" Return Air Duct Reducer	1	0%	1	EA
119	120"x40" / 90"x24" Return Air Duct Reducer	1	0%	1	EA
120	46"x26" / 46"x20" Return Air Duct Reducer	1	0%	1	EA
121	52"x26" / 52"x23" Return Air Duct Reducer	1	0%	1	EA
122	54"x24" / 46"x20" Return Air Duct Reducer	1	0%	1	EA
123	72"x28" / 72"x16" Return Air Duct Reducer	1	0%	1	EA
124	76"x26" / 72"x16" Return Air Duct Reducer	2	0%	2	EA
125	8"x6" / 6"x6" Return Air Duct Reducer	1	0%	1	EA
126	8"x8" / 8"x6" Return Air Duct Reducer	1	0%	1	EA
127	80"x34" / 60"x24" Return Air Duct Reducer	1	0%	1	EA
128	10"x10" / 8"x8" Exhaust Air Duct Reducer	2	0%	2	EA
129	10"x6" / 8"x8" Exhaust Air Duct Reducer	1	0%	1	EA
130	10"x8" / 10"x6" Exhaust Air Duct Reducer	1	0%	1	EA
131	12"x10" / 10"x10" Exhaust Air Duct Reducer	1	0%	1	EA
132	12"x12" / 10"x8" Exhaust Air Duct Reducer	1	0%	1	EA
133	12"x8" / 10"x10" Exhaust Air Duct Reducer	1	0%	1	EA
134	12"x8" / 8"x10" Exhaust Air Duct Reducer	1	0%	1	EA
135	12"x8" / 8"x8" Exhaust Air Duct Reducer	1	0%	1	EA
136	14"x10" / 14"x6" Exhaust Air Duct Reducer	1	0%	1	EA
137	16"x10" / 14"x10" Exhaust Air Duct Reducer	1	0%	1	EA
138	16"x10" / 14"x14" Exhaust Air Duct Reducer	1	0%	1	EA
139	20"x10" / 14"x10" Exhaust Air Duct Reducer	1	0%	1	EA
140	22"x10" / 12"x20" Exhaust Air Duct Reducer	1	0%	1	EA
141	22"x10" / 16"x16" Exhaust Air Duct Reducer	1	0%	1	EA
142	8"x6" / 6"x6" Exhaust Air Duct Reducer	1	0%	1	EA
143	8"x8" / 6"x6" Exhaust Air Duct Reducer	6	0%	6	EA
TRANSITION					
1	10"x10" / 10" Dia Supply Air Duct Transition	4	0%	4	EA
2	10"x10" / 8" Dia Supply Air Duct Transition	14	0%	14	EA
3	10"x12" / 10" Dia Supply Air Duct Transition	35	0%	35	EA
4	10"x12" / 6" Dia Supply Air Duct Transition	1	0%	1	EA
5	10"x12" / 8" Dia Supply Air Duct Transition	2	0%	2	EA

6	10"x6" / 8" Dia Supply Air Duct Transition	2	0%	2	EA
7	10"x8" / 6" Dia Supply Air Duct Transition	1	0%	1	EA
8	10"x8" / 8" Dia Supply Air Duct Transition	6	0%	6	EA
9	12"x10" / 10" Dia Supply Air Duct Transition	13	0%	13	EA
10	12"x10" / 12" Dia Supply Air Duct Transition	2	0%	2	EA
11	12"x10" / 12"x8" Supply Air Duct Transition	2	0%	2	EA
12	12"x10" / 8" Dia Supply Air Duct Transition	1	0%	1	EA
13	12"x12" / 10" Dia Supply Air Duct Transition	13	0%	13	EA
14	12"x12" / 12" Dia Supply Air Duct Transition	5	0%	5	EA
15	12"x12" / 8" Dia Supply Air Duct Transition	2	0%	2	EA
16	12"x14" / 12" Dia Supply Air Duct Transition	4	0%	4	EA
17	12"x6" / 10" Dia Supply Air Duct Transition	1	0%	1	EA
18	12"x8" / 10" Dia Supply Air Duct Transition	2	0%	2	EA
19	12"x8" / 12" Dia Supply Air Duct Transition	1	0%	1	EA
20	12"x8" / 8" Dia Supply Air Duct Transition	3	0%	3	EA
21	14"x10" / 10" Dia Supply Air Duct Transition	3	0%	3	EA
22	14"x12" / 10" Dia Supply Air Duct Transition	10	0%	10	EA
23	14"x12" / 12" Dia Supply Air Duct Transition	13	0%	13	EA
24	14"x14" / 10" Dia Supply Air Duct Transition	2	0%	2	EA
25	14"x14" / 12" Dia Supply Air Duct Transition	7	0%	7	EA
26	14"x8" / 10" Dia Supply Air Duct Transition	1	0%	1	EA
27	14"x8" / 8" Dia Supply Air Duct Transition	1	0%	1	EA
28	16"x12" / 12" Dia Supply Air Duct Transition	4	0%	4	EA
29	16"x14" / 10" Dia Supply Air Duct Transition	1	0%	1	EA
30	16"x14" / 12" Dia Supply Air Duct Transition	6	0%	6	EA
31	16"x16" / 10" Dia Supply Air Duct Transition	1	0%	1	EA
32	16"x16" / 14" Dia Supply Air Duct Transition	1	0%	1	EA
33	16"x8" / 10" Dia Supply Air Duct Transition	1	0%	1	EA
34	18"x12" / 12" Dia Supply Air Duct Transition	2	0%	2	EA
35	18"x14" / 12" Dia Supply Air Duct Transition	1	0%	1	EA
36	18"x16" / 10" Dia Supply Air Duct Transition	1	0%	1	EA
37	18"x16" / 14" Dia Supply Air Duct Transition	1	0%	1	EA
38	20"x10" / 12" Dia Supply Air Duct Transition	2	0%	2	EA
39	6"x10" / 6" Dia Supply Air Duct Transition	2	0%	2	EA
40	6"x6" / 6" Dia Supply Air Duct Transition	1	0%	1	EA
41	6"x8" / 6" Dia Supply Air Duct Transition	5	0%	5	EA
42	8"x10" / 6" Dia Supply Air Duct Transition	3	0%	3	EA
43	8"x10" / 8" Dia Supply Air Duct Transition	16	0%	16	EA
44	8"x12" / 6" Dia Supply Air Duct Transition	1	0%	1	EA
45	8"x6" / 6" Dia Supply Air Duct Transition	2	0%	2	EA
46	8"x6" / 8" Dia Supply Air Duct Transition	2	0%	2	EA
47	8"x8" / 6" Dia Supply Air Duct Transition	3	0%	3	EA
48	8"x8" / 8" Dia Supply Air Duct Transition	3	0%	3	EA
DUCT COUPLER					
1	4" Dia Duct Coupler	15	0%	15	EA
2	6" Dia Duct Coupler	9	0%	9	EA
3	8" Dia Duct Coupler	6	0%	6	EA