



Solifier LLC, 5900
Balcones Drive # 17035,
Austin Texas USA 78731

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, 40 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	FA		\$	- \$ 174	2	\$	198	\$	198
32	Ceiling Mounted Supply Diffuser, BASIS OF DESIGN "PRICE", 8" Dia Neck Size, 185 CFM	3	0%	3	EA		\$	- \$ 124	4	\$	494	\$	494
33	Ceiling Mounted Supply Diffuser, BASIS OF DESIGN "PRICE", 8" Dia Neck Size, 190 CFM	8	0%	8	FA		\$	- \$ 124	8	\$	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	FA		\$	- \$ 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	FA		\$	- \$ 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	FA		\$	- \$ 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	3	0%	3	EA		\$	- \$ 124	4	\$	494	\$	494
47	Ceiling Mounted Supply Diffuser, BASIS OF DESIGN "PRICE", 10" Dia Neck Size, 245 CFM	6	0%	6	FA		\$	- \$ 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	FA		\$	- \$ 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	FA		\$	- \$ 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	FA		\$	- \$ 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	FA		\$	- \$ 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, 385 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	FA		\$	- \$ 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	FA		\$	- \$ 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		\$	\$ 174	5	\$ 593	\$ 593
75	Ceiling Mounted Return Grille, BASIS OF DESIGN "PRICE", 8"x8" Neck Size	4	0%	4	EA		\$	\$ 124	3	\$ 393	\$ 393
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		\$	\$ 174	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		\$	\$ 174	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"x8" 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	3	\$ 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		\$	\$ 174	3	\$ 346	\$ 346
98	Wall Mounted Return Grille, BASIS OF DESIGN "PRICE", 78"x26" Neck Size, 4555 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		\$	\$ 174	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		\$	\$ 174	2	\$ 296	\$ 296
104	Ceiling Mounted Transfer Grille, 8"x8" Neck Size, 150 CFM	8	0%	8	EA		\$	\$ 124	8	\$ 791	\$ 791
105	Ceiling Mounted Transfer Register, BASIS OF DESIGN "PRICE", 10"x10" Neck Size, 130 CFM	4	0%	4	EA		\$	\$ 124	3	\$ 393	\$ 393
106	Ceiling Mounted Transfer Register, BASIS OF DESIGN "PRICE", 10"x10" Neck Size, 135 CFM	4	0%	4	EA		\$	\$ 174	3	\$ 393	\$ 393
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		\$	\$ 174	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		\$	\$ 174	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	7	0%	7	EA		\$	-	\$ 124	7	\$	777	\$	777
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, 505 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"x30" 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 CSAAD35, 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 CSAAD40, 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 CSAAD40, 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 CSAAD40, 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 CSAAD40, 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 CSAAD40, 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 [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
COOLING TOWER										
1	CT-1, Cooling Tower, "EVAPCO" ESW4 12-16018-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, "JIM BOILER WORKS, INC" NB-4, 4 Tank Capacity Gallons.	1	0%	1	EA		\$ -	\$ 124	2	\$ 247	\$ 247
2	CTT-2, Condensate Treatment Tank, "JIM 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

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, Aluminium 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 MOCP AMPS, 460 V, 3 PH, 60 HZ. CRACC-1, Computer Room Remote Condensing Unit, "LIEBERT" PFH096A, 460 V, 3 PH, 60 HZ, 30 MOCP 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 MOCP AMPS, 460 V, 3 PH, 60 HZ. CRACC-2, Computer Room Remote Condensing Unit, "LIEBERT" PFH096A, 460 V, 3 PH, 60 HZ, 30 MOCP 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

48	VAV-2-11, Variable Air Volume Unit, "TRANE" VCWF, 1450 Air Flow CFM, 115 V, 1	0%	1	EA	\$	\$ 124	3	\$ 556	\$ 556
49	VAV-2-12, Variable Air Volume Unit, "TRANE" VCWF, 1450 Air Flow CFM, 115 V, 1	0%	1	EA	\$	\$ 124	3	\$ 556	\$ 556
51	VAV-2-13, Variable Air Volume Unit, "TRANE" VCWF, 1380 Air Flow CFM, 115 V, 1	0%	1	EA	\$	\$ 124	3	\$ 556	\$ 556
52	VAV-2-14, Variable Air Volume Unit, "TRANE" VCWF, 170 Air Flow CFM, 115 V, 1	0%	1	EA	\$	\$ 124	3	\$ 556	\$ 556
53	VAV-2-15, Variable Air Volume Unit, "TRANE" VCWF, 620 Air Flow CFM, 115 V, 1	0%	1	EA	\$	\$ 121	3	\$ 558	\$ 558
54	VAV-2-16, Variable Air Volume Unit, "TRANE" VCWF, 320 Air Flow CFM, 115 V, 1	0%	1	EA	\$	\$ 121	3	\$ 558	\$ 558
55	VAV-2-17, Variable Air Volume Unit, "TRANE" VCWF, 340 Air Flow CFM, 115 V, 1	0%	1	EA	\$	\$ 124	2	\$ 247	\$ 247
56	VAV-2-18, Variable Air Volume Unit, "TRANE" VCWF, 260 Air Flow CFM, 115 V, 1	0%	1	EA	\$	\$ 124	2	\$ 247	\$ 247
57	VAV-2-19, Variable Air Volume Unit, "TRANE" VCWF, 625 Air Flow CFM, 115 V, 1	0%	1	EA	\$	\$ 124	3	\$ 408	\$ 408
58	VAV-2-20, Variable Air Volume Unit, "TRANE" VCWF, 620 Air Flow CFM, 115 V, 1	0%	1	EA	\$	\$ 124	3	\$ 408	\$ 408
59	VAV-2-21, Variable Air Volume Unit, "TRANE" VCWF, 930 Air Flow CFM, 115 V, 1	0%	1	EA	\$	\$ 124	4	\$ 494	\$ 494
60	VAV-2-22, Variable Air Volume Unit, "TRANE" VCWF, 1000 Air Flow CFM, 115 V, 1	0%	1	EA	\$	\$ 124	5	\$ 556	\$ 556
61	VAV-2-23, Variable Air Volume Unit, "TRANE" VCWF, 2060 Air Flow CFM, 115 V, 1	0%	1	EA	\$	\$ 124	5	\$ 556	\$ 556
62	VAV-2-24, Variable Air Volume Unit, "TRANE" VCWF, 1710 Air Flow CFM, 115 V, 1	0%	1	EA	\$	\$ 124	5	\$ 618	\$ 618
63	VAV-2-25, Variable Air Volume Unit, "TRANE" VCWF, 2950 Air Flow CFM, 115 V, 1	0%	1	EA	\$	\$ 124	5	\$ 618	\$ 618
64	VAV-2-26, Variable Air Volume Unit, "TRANE" VCWF, 1705 Air Flow CFM, 115 V, 1	0%	1	EA	\$	\$ 124	5	\$ 618	\$ 618
65	VAV-2-27, Variable Air Volume Unit, "TRANE" VCWF, 1285 Air Flow CFM, 115 V, 1	0%	1	EA	\$	\$ 121	5	\$ 618	\$ 618
66	VAV-2-28, Variable Air Volume Unit, "TRANE" VCWF, 2055 Air Flow CFM, 115 V, 1	0%	1	EA	\$	\$ 121	5	\$ 618	\$ 618
67	VAV-2-29, Variable Air Volume Unit, "TRANE" VCWF, 1900 Air Flow CFM, 115 V, 1	0%	1	EA	\$	\$ 121	5	\$ 556	\$ 556
68	VAV-2-30, Variable Air Volume Unit, "TRANE" VCWF, 1815 Air Flow CFM, 115 V, 1	0%	1	EA	\$	\$ 124	5	\$ 556	\$ 556
69	VAV-2-31, Variable Air Volume Unit, "TRANE" VCWF, 300 Air Flow CFM, 115 V, 1	0%	1	EA	\$	\$ 124	3	\$ 247	\$ 247
70	VAV-2-32, Variable Air Volume Unit, "TRANE" VCWF, 1480 Air Flow CFM, 115 V, 1	0%	1	EA	\$	\$ 124	5	\$ 556	\$ 556
71	VAV-2-33, Variable Air Volume Unit, "TRANE" VCWF, 385 Air Flow CFM, 115 V, 1	0%	1	EA	\$	\$ 124	3	\$ 247	\$ 247
72	VAV-2-34, Variable Air Volume Unit, "TRANE" VCWF, 260 Air Flow CFM, 115 V, 1	0%	1	EA	\$	\$ 121	2	\$ 247	\$ 247
73	VAV-2-35, Variable Air Volume Unit, "TRANE" VCWF, 820 Air Flow CFM, 115 V, 1	0%	1	EA	\$	\$ 121	2	\$ 247	\$ 247
74	VAV-2-36, Variable Air Volume Unit, "TRANE" VCWF, 260 Air Flow CFM, 115 V, 1	0%	1	EA	\$	\$ 124	2	\$ 247	\$ 247
75	VAV-2-37, Variable Air Volume Unit, "TRANE" VCWF, 1200 Air Flow CFM, 115 V, 1	0%	1	EA	\$	\$ 124	5	\$ 556	\$ 556
76	VAV-2-38, Variable Air Volume Unit, "TRANE" VCWF, 885 Air Flow CFM, 115 V, 1	0%	1	EA	\$	\$ 124	4	\$ 494	\$ 494
77	VAV-2-39, Variable Air Volume Unit, "TRANE" VCWF, 885 Air Flow CFM, 115 V, 1	0%	1	EA	\$	\$ 121	4	\$ 494	\$ 494
78	VAV-2-40, Variable Air Volume Unit, "TRANE" VCWF, 630 Air Flow CFM, 115 V, 1	0%	1	EA	\$	\$ 124	3	\$ 408	\$ 408
79	VAV-3-1, Variable Air Volume Unit, "TRANE" VCWF, 1380 Air Flow CFM, 115 V, 1	0%	1	EA	\$	\$ 124	5	\$ 556	\$ 556
80	VAV-3-2, Variable Air Volume Unit, "TRANE" VCWF, 1200 Air Flow CFM, 115 V, 1	0%	1	EA	\$	\$ 124	5	\$ 556	\$ 556
81	VAV-3-3, Variable Air Volume Unit, "TRANE" VCWF, 1300 Air Flow CFM, 115 V, 1	0%	1	EA	\$	\$ 124	5	\$ 556	\$ 556
82	VAV-3-4, Variable Air Volume Unit, "TRANE" VCWF, 1360 Air Flow CFM, 115 V, 1	0%	1	EA	\$	\$ 124	5	\$ 556	\$ 556
83	VAV-3-5, Variable Air Volume Unit, "TRANE" VCWF, 760 Air Flow CFM, 115 V, 1	0%	1	EA	\$	\$ 121	3	\$ 408	\$ 408
84	VAV-3-6, Variable Air Volume Unit, "TRANE" VCWF, 1100 Air Flow CFM, 115 V, 1	0%	1	EA	\$	\$ 121	3	\$ 556	\$ 556
85	VAV-3-7, Variable Air Volume Unit, "TRANE" VCWF, 1380 Air Flow CFM, 115 V, 1	0%	1	EA	\$	\$ 121	5	\$ 556	\$ 556
86	VAV-3-8, Variable Air Volume Unit, "TRANE" VCWF, 305 Air Flow CFM, 115 V, 1	0%	1	EA	\$	\$ 124	2	\$ 247	\$ 247
87	VAV-3-9, Variable Air Volume Unit, "TRANE" VCWF, 420 Air Flow CFM, 115 V, 1	0%	1	EA	\$	\$ 124	3	\$ 358	\$ 358
88	VAV-3-10, Variable Air Volume Unit, "TRANE" VCWF, 525 Air Flow CFM, 115 V, 1	0%	1	EA	\$	\$ 124	4	\$ 494	\$ 494
89	VAV-3-11, Variable Air Volume Unit, "TRANE" VCWF, 630 Air Flow CFM, 115 V, 1	0%	1	EA	\$	\$ 124	3	\$ 358	\$ 358
90	VAV-3-12, Variable Air Volume Unit, "TRANE" VCWF, 1415 Air Flow CFM, 115 V, 1	0%	1	EA	\$	\$ 124	5	\$ 556	\$ 556
91	VAV-3-13, Variable Air Volume Unit, "TRANE" VCWF, 1160 Air Flow CFM, 115 V, 1	0%	1	EA	\$	\$ 124	5	\$ 556	\$ 556
92	VAV-3-14, Variable Air Volume Unit, "TRANE" VCWF, 795 Air Flow CFM, 115 V, 1	0%	1	EA	\$	\$ 124	3	\$ 408	\$ 408
93	VAV-3-15, Variable Air Volume Unit, "TRANE" VCWF, 795 Air Flow CFM, 115 V, 1	0%	1	EA	\$	\$ 124	3	\$ 408	\$ 408
94	VAV-3-16, Variable Air Volume Unit, "TRANE" VCWF, 1500 Air Flow CFM, 115 V, 1	0%	1	EA	\$	\$ 124	5	\$ 556	\$ 556
95	VAV-3-17, Variable Air Volume Unit, "TRANE" VCWF, 1630 Air Flow CFM, 115 V, 1	0%	1	EA	\$	\$ 124	5	\$ 556	\$ 556
96	VAV-3-18, Variable Air Volume Unit, "TRANE" VCWF, 765 Air Flow CFM, 115 V, 1	0%	1	EA	\$	\$ 121	3	\$ 408	\$ 408
97	VAV-3-19, Variable Air Volume Unit, "TRANE" VCWF, 340 Air Flow CFM, 115 V, 1	0%	1	EA	\$	\$ 124	3	\$ 358	\$ 358
98	VAV-3-20, Variable Air Volume Unit, "TRANE" VCWF, 595 Air Flow CFM, 115 V, 1	0%	1	EA	\$	\$ 124	3	\$ 358	\$ 358
99	VAV-3-21, Variable Air Volume Unit, "TRANE" VCWF, 490 Air Flow CFM, 115 V, 1	0%	1	EA	\$	\$ 124	3	\$ 358	\$ 358
100	VAV-3-22, Variable Air Volume Unit, "TRANE" VCWF, 540 Air Flow CFM, 115 V, 1	0%	1	EA	\$	\$ 124	4	\$ 494	\$ 494
101	VAV-3-23, Variable Air Volume Unit, "TRANE" VCWF, 500 Air Flow CFM, 115 V, 1	0%	1	EA	\$	\$ 124	5	\$ 556	\$ 556
102	VAV-3-24, Variable Air Volume Unit, "TRANE" VCWF, 1040 Air Flow CFM, 115 V, 1	0%	1	EA	\$	\$ 121	5	\$ 556	\$ 556
103	VAV-3-25, Variable Air Volume Unit, "TRANE" VCWF, 1450 Air Flow CFM, 115 V, 1	0%	1	EA	\$	\$ 124	5	\$ 556	\$ 556
104	VAV-3-26, Variable Air Volume Unit, "TRANE" VCWF, 1450 Air Flow CFM, 115 V, 1	0%	1	EA	\$	\$ 124	5	\$ 556	\$ 556
105	VAV-3-27, Variable Air Volume Unit, "TRANE" VCWF, 615 Air Flow CFM, 115 V, 1	0%	1	EA	\$	\$ 124	3	\$ 358	\$ 358
106	VAV-3-28, Variable Air Volume Unit, "TRANE" VCWF, 1740 Air Flow CFM, 115 V, 1	0%	1	EA	\$	\$ 124	5	\$ 618	\$ 618
107	VAV-3-29, Variable Air Volume Unit, "TRANE" VCWF, 1555 Air Flow CFM, 115 V, 1	0%	1	EA	\$	\$ 124	5	\$ 556	\$ 556
108	VAV-3-30, Variable Air Volume Unit, "TRANE" VCWF, 1895 Air Flow CFM, 115 V, 1	0%	1	EA	\$	\$ 121	5	\$ 618	\$ 618
109	VAV-3-31, Variable Air Volume Unit, "TRANE" VCWF, 1000 Air Flow CFM, 115 V, 1	0%	1	EA	\$	\$ 124	4	\$ 494	\$ 494
110	VAV-3-32, Variable Air Volume Unit, "TRANE" VCWF, 840 Air Flow CFM, 115 V, 1	0%	1	EA	\$	\$ 121	4	\$ 494	\$ 494
111	VAV-3-33, Variable Air Volume Unit, "TRANE" VCWF, 990 Air Flow CFM, 115 V, 1	0%	1	EA	\$	\$ 124	4	\$ 494	\$ 494
112	VAV-3-34, Variable Air Volume Unit, "TRANE" VCWF, 1255 Air Flow CFM, 115 V, 1	0%	1	EA	\$	\$ 124	5	\$ 556	\$ 556
113	VAV-3-35, Variable Air Volume Unit, "TRANE" VCWF, 605 Air Flow CFM, 115 V, 1	0%	1	EA	\$	\$ 124	3	\$ 408	\$ 408
114	VAV-3-36, Variable Air Volume Unit, "TRANE" VCWF, 465 Air Flow CFM, 115 V, 1	0%	1	EA	\$	\$ 121	3	\$ 358	\$ 358
115	VAV-3-37, Variable Air Volume Unit, "TRANE" VCWF, 330 Air Flow CFM, 115 V, 1	0%	1	EA	\$	\$ 121	2	\$ 247	\$ 247
116	VAV-3-38, Variable Air Volume Unit, "TRANE" VCWF, 480 Air Flow CFM, 115 V, 1	0%	1	EA	\$	\$ 124	3	\$ 358	\$ 358
117	VAV-3-39, Variable Air Volume Unit, "TRANE" VCWF, 350 Air Flow CFM, 115 V, 1	0%	1	EA	\$	\$ 124	3	\$ 247	\$ 247
118	VAV-3-40, Variable Air Volume Unit, "TRANE" VCWF, 450 Air Flow CFM, 115 V, 1	0%	1	EA	\$	\$ 124	3	\$ 247	\$ 247
119	VAV-3-41, Variable Air Volume Unit, "TRANE" VCWF, 1445 Air Flow CFM, 115 V, 1	0%	1	EA	\$	\$ 124	5	\$ 556	\$ 556
120	VAV-3-42, Variable Air Volume Unit, "TRANE" VCWF, 720 Air Flow CFM, 115 V, 1	0%	1	EA	\$	\$ 124	3	\$ 247	\$ 247

VARIABLE AIR VOLUME UNIT PIPING DETAIL											
1	3/4" Dia Ball Valve	240	0%	240	EA	\$ 8.32	\$ 1,997	\$ 124	106	\$ 13,044	\$ 13,041
2	3/4" Dia Combination Balancing Valve / Flow Measuring Station	220	0%	220	FA	\$ 148.58	\$ 32,678	\$ 124	86	\$ 8,152	\$ 26,030

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	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	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	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	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	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	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	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" FFDR020, 290 Air Flow CFM, .13 Motor H	1	0%	1	FA		\$	\$ 174	4	\$ 494	\$ 494
5	FC-1-2, Fan Coil Unit Heater, "TRANE" FFDR020, 290 Air Flow CFM, .13 Motor H	1	0%	1	FA		\$	\$ 174	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" FFDR020, 290 Air Flow CFM, .13 Motor H	1	0%	1	FA		\$	\$ 174	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" FFDR020, 290 Air Flow CFM, .13 Motor H	1	0%	1	FA		\$	\$ 174	4	\$ 494	\$ 494
15	FC-4-2, Fan Coil Unit Heater, "TRANE" FFDR020, 290 Air Flow CFM, .13 Motor H	1	0%	1	FA		\$	\$ 174	4	\$ 494	\$ 494
FAN COIL UNIT PIPING DETAIL											
1	3/4" Dia Ball Valve	30	0%	30	FA	\$ 8.32	\$ 250	\$ 174	13	\$ 1,630	\$ 1,880
2	3/4" Dia Combination Balancing Valve / Flow Measuring Station	15	0%	15	FA	\$ 148.98	\$ 2,235	\$ 174	8	\$ 1,019	\$ 3,254
3	3/8" Dia Drain Valve	15	0%	15	EA	\$ 8.12	\$ 122	\$ 124	7	\$ 815	\$ 937
4	3/8" Dia Manual Air Vent	30	0%	30	FA	\$ 6.48	\$ 193	\$ 174	13	\$ 1,630	\$ 1,824
5	3/8" Dia Union	30	0%	30	EA	\$ 3.53	\$ 106	\$ 174	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	FA		\$	\$ 174	4	\$ 494	\$ 494
3	C-3-1, 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	FA		\$	\$ 174	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	FA		\$	\$ 174	4	\$ 494	\$ 494
3	BB-1-3, Baseboard, "SLANT FIN" RL-10.	1	0%	1	FA		\$	\$ 174	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	FA		\$	\$ 174	4	\$ 494	\$ 494
8	BB-1-8, Baseboard, "SLANT FIN" RL-10.	1	0%	1	FA		\$	\$ 174	4	\$ 494	\$ 494
9	BB-1-9, Baseboard, "SLANT FIN" RL-10.	1	0%	1	FA		\$	\$ 174	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	FA		\$	\$ 174	4	\$ 494	\$ 494
14	BB-1-14, Baseboard, "SLANT FIN" RL-10.	1	0%	1	FA		\$	\$ 174	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		\$	\$ 174	4	\$ 494	\$ 494
18	BB-1-18, Baseboard, "SLANT FIN" RL-10.	1	0%	1	FA		\$	\$ 174	4	\$ 494	\$ 494
19	BB-1-19, Baseboard, "SLANT FIN" RL-10.	1	0%	1	FA		\$	\$ 174	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	FA		\$	\$ 174	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	FA		\$	\$ 174	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	FA		\$	\$ 174	4	\$ 494	\$ 494
30	BB-1-30, Baseboard, "SLANT FIN" RL-10.	1	0%	1	FA		\$	\$ 174	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		\$	\$ 174	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	FA		\$	\$ 174	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		\$	\$ 174	4	\$ 494	\$ 494
38	BB-1-38, Baseboard, "SLANT FIN" RL-10.	1	0%	1	FA		\$	\$ 174	4	\$ 494	\$ 494
39	BB-1-39, Baseboard, "SLANT FIN" RL-10.	1	0%	1	FA		\$	\$ 174	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	FA		\$	\$ 174	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	FA		\$	\$ 174	4	\$ 494	\$ 494
44	BB-1-44, Baseboard, "SLANT FIN" RL-10.	1	0%	1	FA		\$	\$ 174	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-CD60/70-01215VH, 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	\$	217	\$	217			
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" 5-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" 5-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	\$	217	\$	217			
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	57"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"x26" 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	\$ 124	\$ 124
30	14"x10" FSD-3-13, Fire Smoke Damper, "RUSKIN" FSD60, 120 V, 1 PH, 60 HZ.	1	0%	1	EA	\$	\$ 124	1	\$ 124	\$ 124
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	38"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	\$	\$ 174	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	\$ 124	\$ 124
7	16"x10" Fire Damper	1	0%	1	EA	\$	\$ 124	1	\$ 124	\$ 124
8	18"x10" Fire Damper	1	0%	1	EA	\$	\$ 124	1	\$ 124	\$ 124
9	18"x14" Fire Damper	1	0%	1	EA	\$	\$ 124	1	\$ 124	\$ 124
10	20"x10" Fire Damper	1	0%	1	EA	\$	\$ 124	1	\$ 124	\$ 124
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	\$ 7,204	\$ 7,204
3	6"x6" Volume Damper	26	0%	26	EA	\$	\$ 124	26	\$ 3,224	\$ 3,224
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	7	0%	7	EA	\$	\$ 124	7	\$ 868	\$ 868
7	8"x6" Volume Damper	15	0%	15	EA	\$	\$ 124	15	\$ 1,860	\$ 1,860
8	8"x8" Volume Damper	2	0%	2	EA	\$	\$ 124	2	\$ 247	\$ 247
9	10"x6" Volume Damper	2	0%	2	EA	\$	\$ 124	2	\$ 247	\$ 247
10	10"x8" Volume Damper	7	0%	7	EA	\$	\$ 124	7	\$ 868	\$ 868
11	10" Dia Volume Damper	282	0%	282	EA	\$	\$ 124	282	\$ 34,938	\$ 34,938
12	10"x12" Volume Damper	7	0%	7	EA	\$	\$ 124	7	\$ 868	\$ 868
13	12" Dia Volume Damper	24	0%	24	EA	\$	\$ 124	24	\$ 2,976	\$ 2,976
14	12"x6" Volume Damper	1	0%	1	EA	\$	\$ 124	1	\$ 124	\$ 124
15	12"x8" Volume Damper	2	0%	2	EA	\$	\$ 124	2	\$ 247	\$ 247
16	12"x10" Volume Damper	2	0%	2	EA	\$	\$ 124	2	\$ 247	\$ 247
17	12"x12" Volume Damper	7	0%	7	EA	\$	\$ 124	7	\$ 868	\$ 868
18	14"x6" Volume Damper	2	0%	2	EA	\$	\$ 124	2	\$ 247	\$ 247
19	14"x8" Volume Damper	1	0%	1	EA	\$	\$ 124	1	\$ 124	\$ 124
20	20"x16" Volume Damper	1	0%	1	EA	\$	\$ 124	1	\$ 124	\$ 124
21	38"x10" Volume Damper	1	0%	1	EA	\$	\$ 124	3	\$ 371	\$ 371
22	42"x22" Volume Damper	1	0%	1	EA	\$	\$ 124	3	\$ 371	\$ 371
23	46"x26" Volume Damper	1	0%	1	EA	\$	\$ 124	3	\$ 371	\$ 371
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	\$ 432	\$ 432
29	64"x26" Volume Damper	1	0%	1	EA	\$	\$ 124	4	\$ 432	\$ 432
30	66"x24" Volume Damper	2	0%	2	EA	\$	\$ 124	8	\$ 992	\$ 992
31	72"x16" Volume Damper	7	0%	7	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	\$ 744	\$ 744
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	\$ 174	\$ 174
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	10	0%	10	EA		\$ - \$ 124	8	\$ 988	\$ 988
2-WAY CONTROL VALVE										
1	3/4" Dia Two Way Control Valve	248	0%	248	EA		\$ - \$ 124	130	\$ 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	\$ 4,373	\$ 4,373
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	2	0%	2	EA		\$ - \$ 124	3	\$ 373	\$ 373
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	\$ 54.64	\$ 124	\$ 124	\$ 178

2	66"x26" Flexible Connector	4	0%	4	EA	\$ 54.64	\$ 219	\$ 124	4	\$ 494	\$ 713
3	48"x26" Flexible Connector	1	0%	1	EA	\$ 58.99	\$ 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	\$ 211
7	54"x24" Flexible Connector	1	0%	1	EA	\$ 85.62	\$ 86	\$ 124	1	\$ 124	\$ 209
FLEXIBLE CONNECTION											
1	16"x10" 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	\$ 34	\$ 124	1	\$ 148	\$ 202
4	42"x2" Flexible Connection	2	0%	2	EA	\$ 56.67	\$ 113	\$ 124	2	\$ 247	\$ 360
5	44"x10" Flexible Connection	1	0%	1	EA	\$ 58.82	\$ 60	\$ 124	1	\$ 174	\$ 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	\$ 89.78	\$ 89	\$ 124	1	\$ 93	\$ 177
2	Wall Opening Terminate, 40"x40" Neck Size, 30"x30" W/ WMS, 10500 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	209	\$ 33,173	\$ 47,223
2	1" Dia Hot Water Supply Pipe	579	10%	637	LFT	\$ 2.96	\$ 1,887	\$ 124	38	\$ 4,730	\$ 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	621	10%	719	LFT	\$ 4.01	\$ 3,062	\$ 124	58	\$ 7,109	\$ 10,371
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	\$ 2,429	\$ 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	\$ 7,812	\$ 124	66	\$ 9,125	\$ 15,967
9	6" Dia Hot Water Supply Pipe	323	10%	355	LFT	\$ 35.42	\$ 12,583	\$ 124	107	\$ 13,190	\$ 23,731
10	8" Dia Hot Water Supply Pipe	88	10%	97	LFT	\$ 41.56	\$ 4,043	\$ 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	15	\$ 2,998	\$ 3,249
3	1-1/4" Dia Hot Water Supply Pipe	804	10%	884	LFT	\$ 0.42	\$ 373	\$ 118	33	\$ 4,163	\$ 4,536
2" Thick, Mineral Fiber, Preformed Pipe Insulation, Type I.											
4	1-1/2" Dia Hot Water Supply Pipe	624	10%	719	LFT	\$ 0.45	\$ 323	\$ 118	29	\$ 3,388	\$ 3,712
5	2" Dia Hot Water Supply Pipe	1200	10%	1320	LFT	\$ 0.64	\$ 810	\$ 118	53	\$ 6,214	\$ 7,023
6	2-1/2" Dia Hot Water Supply Pipe	174	10%	191	LFT	\$ 0.78	\$ 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	\$ 3,663
9	6" Dia Hot Water Supply Pipe	323	10%	355	LFT	\$ 1.39	\$ 493	\$ 118	21	\$ 2,509	\$ 3,603
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	\$ 35,900	\$ 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	38	0%	38	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	\$ 39.03	\$ 230	\$ 124	8	\$ 939	\$ 1,173
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	\$ 484	\$ 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	\$ 152
4	2" Dia Hot Water Supply Pipe Tee	2	0%	2	EA	\$ 21.23	\$ 42	\$ 124	2	\$ 290	\$ 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	\$ 3,353	\$ 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	38	0%	38	EA	\$ 21.43	\$ 835	\$ 124	43	\$ 5,298	\$ 6,138
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	3	\$ 267	\$ 328
12	2-1/2" / 2" Dia Hot Water Supply Pipe Tee	4	0%	4	EA	\$ 62.55	\$ 250	\$ 124	8	\$ 1,087	\$ 1,337
13	3" / 3/4" Dia Hot Water Supply Pipe Tee	1	0%	1	EA	\$ 88.57	\$ 89	\$ 124	7	\$ 279	\$ 368
14	3" / 1-1/2" Dia Hot Water Supply Pipe Tee	1	0%	1	EA	\$ 108.98	\$ 109	\$ 124	3	\$ 284	\$ 393
15	4" / 1-1/2" Dia Hot Water Supply Pipe Tee	1	0%	1	EA	\$ 217.81	\$ 218	\$ 124	3	\$ 298	\$ 414
16	4" / 2-1/2" Dia Hot Water Supply Pipe Tee	1	0%	1	EA	\$ 200.58	\$ 201	\$ 124	3	\$ 364	\$ 465
17	6" / 3/4" Dia Hot Water Supply Pipe Tee	1	0%	1	EA	\$ 415.55	\$ 416	\$ 124	4	\$ 688	\$ 903
18	6" / 1" Dia Hot Water Supply Pipe Tee	1	0%	1	EA	\$ 370.68	\$ 371	\$ 124	4	\$ 494	\$ 1,065
19	6" / 1-1/2" Dia Hot Water Supply Pipe Tee	1	0%	1	EA	\$ 588.47	\$ 588	\$ 124	4	\$ 494	\$ 1,083
20	6" / 2" Dia Hot Water Supply Pipe Tee	3	0%	3	EA	\$ 605.47	\$ 1,815	\$ 124	12	\$ 1,482	\$ 3,298
21	6" / 2-1/2" Dia Hot Water Supply Pipe Tee	1	0%	1	EA	\$ 630.97	\$ 631	\$ 124	4	\$ 491	\$ 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	\$ 19.57	\$ 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	3	0%	3	EA	\$ 31.33	\$ 257	\$ 124	7	\$ 803	\$ 1,060
7	3" / 2" Dia Hot Water Supply Pipe Reducer	1	0%	1	EA	\$ 62.91	\$ 63	\$ 124	1	\$ 187	\$ 210
8	3" / 1-1/2" Dia Hot Water Supply Pipe Reducer	1	0%	1	EA	\$ 73.58	\$ 74	\$ 124	2	\$ 229	\$ 307
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	\$ 1,263	\$ 124	26	\$ 3,155	\$ 4,426
3	1-1/4" Dia Hot Water Return Pipe	810	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	\$ 7,683	\$ 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	\$ 35.47	\$ 14,689	\$ 124	124	\$ 15,967	\$ 30,656
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	\$ 0.38	\$ 168	\$ 118	17	\$ 2,004	\$ 2,172
3	1-1/4" Dia Hot Water Return Pipe	810	10%	913	LFT	\$ 0.47	\$ 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	\$ 303	\$ 118	17	\$ 2,050	\$ 2,353
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	\$ 35,028	\$ 35,678
2	1" Dia Hot Water Return Pipe 90 Deg Elbow	21	0%	21	EA	\$ 4.91	\$ 103	\$ 124	13	\$ 1,506	\$ 1,639
3	1-1/4" Dia Hot Water Return Pipe 90 Deg Elbow	33	0%	33	EA	\$ 6.96	\$ 230	\$ 124	23	\$ 2,853	\$ 3,063
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	\$ 937	\$ 124	50	\$ 6,177	\$ 7,049
6	2-1/2" Dia Hot Water Return Pipe 90 Deg Elbow	13	0%	13	EA	\$ 36.04	\$ 469	\$ 124	23	\$ 2,890	\$ 3,319
7	3" Dia Hot Water Return Pipe 90 Deg Elbow	14	0%	14	EA	\$ 39.03	\$ 546	\$ 124	27	\$ 3,286	\$ 4,117
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	3	\$ 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	\$ 75.96	\$ 152	\$ 124	4	\$ 489	\$ 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	7	0%	7	EA	\$ 6.43	\$ 45	\$ 124	7	\$ 227	\$ 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	\$ 516
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	\$ 5,396
8	2" / 3/4" Dia Hot Water Return Pipe Tee	42	0%	42	EA	\$ 21.43	\$ 900	\$ 124	48	\$ 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	\$ 355	\$ 332
10	2-1/2" / 1" Dia Hot Water Return Pipe Tee	4	0%	4	EA	\$ 62.55	\$ 250	\$ 124	9	\$ 1,087	\$ 1,312
11	3" / 3/4" Dia Hot Water Return Pipe Tee	6	0%	6	EA	\$ 88.57	\$ 531	\$ 124	14	\$ 1,678	\$ 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	\$ 314
15	4" / 1-1/4" 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	\$ 603
17	6" / 1" Dia Hot Water Return Pipe Tee	1	0%	1	EA	\$ 570.68	\$ 571	\$ 124	4	\$ 494	\$ 1,060
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	\$ 814.58	\$ 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	\$ 1,325
22	6" / 4" Dia Hot Water Return Pipe Tee	1	0%	1	EA	\$ 680.95	\$ 681	\$ 124	3	\$ 556	\$ 1,312
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	\$ 320	\$ 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	\$ 275	\$ 124	7	\$ 914	\$ 1,190
7	2" / 1-1/2" Dia Hot Water Return Pipe Reducer	10	0%	10	EA	\$ 36.12	\$ 363	\$ 124	8	\$ 963	\$ 1,325
8	2-1/2" / 1" 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	7	0%	7	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" / 1-1/2" Dia Hot Water Return Pipe Reducer	1	0%	1	EA	\$ 57.89	\$ 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	232	10%	277	LFT	\$ 23.84	\$ 6,605	\$ 124	55	\$ 6,848	\$ 13,457
2	6" Dia Chilled Water Supply Pipe	162	10%	178	LFT	\$ 35.42	\$ 6,312	\$ 124	53	\$ 6,503	\$ 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	\$ 1,951	\$ 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	6" Dia Chilled Water Supply Pipe 45 Deg Elbow	1	0%	1	EA	\$ 359.50	\$ 354	\$ 124	2	\$ 247	\$ 601
TEE											
1	8" Dia Chilled Water Supply Pipe Tee	1	0%	1	EA	\$ 2,705.93	\$ 2,700	\$ 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	\$ 1,259.78	\$ 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	\$ 668
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	\$ 11,799	\$ 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	\$ 1,380	\$ 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	\$ 325.75	\$ 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	\$ 1,259.76	\$ 2,520	\$ 124	9	\$ 1,112	\$ 3,631
REDUCER											
1	8" / 4" Dia Chilled Water Return Pipe Reducer	1	0%	1	FA	\$ 658.88	\$ 659	\$ 124	3	\$ 308	\$ 968
2	8" / 6" Dia Chilled Water Return Pipe Reducer	1	0%	1	EA	\$ 754.86	\$ 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	61	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	61	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	\$ 1,045.83	\$ 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	\$ 1,045.83	\$ 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	\$ 265	\$ 124	8	\$ 1,000	\$ 1,265
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	\$ 1,564	\$ 3,014
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	\$ 0.26	\$ 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	\$ 22	\$ 29
8	1-1/8" Dia Liquid Pipe	14	10%	15	LFT	\$ 0.47	\$ 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	221	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	10	0%	10	EA	\$ 0.71	\$ 11	\$ 124	0	\$ 791	\$ 802
2	1/2" Dia Hot Gas Pipe 90 Deg Elbow	2	0%	2	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	\$ 373	\$ 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	2	0%	2	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	\$ 290	\$ 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	\$ 7	\$ 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	\$ 210
6	1-3/8" / 1/2" Dia Liquid Line Pipe Tee	1	0%	1	EA	\$ 12.88	\$ 13	\$ 124	1	\$ 112	\$ 123
7	1-1/8" / 3/8" Dia Hot Gas Pipe Tee	1	0%	1	EA	\$ 12.88	\$ 13	\$ 124	1	\$ 112	\$ 123
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	37	\$ 4,006	\$ 5,829
2	1" Dia Condensate Drain Pipe	25	10%	28	LFT	\$ 3.30	\$ 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	10	\$ 1,908	\$ 2,199
2	1" Dia Condensate Drain Pipe	25	10%	28	LFT	\$ 0.35	\$ 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	\$ 78	\$ 124	21	\$ 2,584	\$ 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	\$ 540	\$ 560
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	\$ 2,330	\$ 2,981
2	6" Dia Flange	5	0%	5	EA	\$ 124.43	\$ 623	\$ 124	19	\$ 2,372	\$ 2,954
3	8" Dia Flange	6	0%	6	EA	\$ 234.93	\$ 1,410	\$ 124	31	\$ 3,795	\$ 5,204
4	10" Dia Flange	6	0%	6	EA	\$ 467.63	\$ 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											

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:

									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											
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:											
1	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