

BID & BUILD CONSTRUCTION GROUP ESTIMATE & TAKEOFF SERVICE											
Date:											
Project:	N/A										
Project Location:	N/A										
Project Scope:	MEP (Mechanical, Electrical & Plumbing)										
		<table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <tr> <td style="padding: 2px 10px;">TOTAL</td> <td style="width: 100px;"></td> </tr> <tr> <td style="padding: 2px 10px;">OVERHEAD AND PROFIT</td> <td style="text-align: center; width: 100px;">20%</td> </tr> <tr> <td style="padding: 2px 10px;">TOTAL BASE BID</td> <td></td> </tr> </table>		TOTAL		OVERHEAD AND PROFIT	20%	TOTAL BASE BID			
TOTAL											
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		<table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="background-color: black; color: white; padding: 2px 10px;">Amount</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px 10px;">\$</td> <td style="text-align: right; padding: 2px 10px;">-</td> </tr> <tr> <td style="padding: 2px 10px;">\$</td> <td style="text-align: right; padding: 2px 10px;">-</td> </tr> <tr> <td style="padding: 2px 10px;">\$</td> <td style="text-align: right; padding: 2px 10px;">-</td> </tr> </tbody> </table>		Amount		\$	-	\$	-	\$	-
Amount											
\$	-										
\$	-										
\$	-										
		 E&B CONSTRUCTION GROUP									

SUMMERY	
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TRADE COST																	
		DIV-01	GENERAL REQUIRMENTS											\$	-		
		DIV-22	PLUMBING											\$	-		
		DIV-23	(HVAC) HEATING VENTILATING & AIR CONDITIONING											\$	-		
		DIV-26	ELECTRICAL											\$	-		
															\$	-	
INSURANCE															3%	\$	-
OVERHEAD AND PROFIT															20%	\$	-
TOTAL BASE BID																\$	-

DETAILED ESTIMATE

ITEM #	REF. SHEET	DETAIL	CSI SECT	DESCRIPTION	QTY.	WASTAGE	QTY WITH WASTAGE	UNIT	UNIT LABOR HOUR	TOTAL LABOR HOUR	PER HOUR LABOR RATE	TOTAL LABOR COST	UNIT MATERIAL COST	TOTAL MATERIAL COST	TOTAL ITEM COST	TRADE COST
			DIV-01	GENERAL REQUIREMENTS												\$
				Supervision and Coordination	1	0%	1	LS	\$	-	\$	-	\$	-	\$	-
				Submittals and shop drawings	1	0%	1	LS	\$	-	\$	-	\$	-	\$	-
				Final cleaning	1	0%	1	LS	\$	-	\$	-	\$	-	\$	-
				Mobilization costs	1	0%	1	LS	\$	-	\$	-	\$	-	\$	-
				Bond @ 2%	1	0%	1	LS	\$	-	\$	-	\$	-	\$	-
				Temporary Control & Facilities	1	0%	1	LS	\$	-	\$	-	\$	-	\$	-
				Scaffolding	1	0%	1	LS	\$	-	\$	-	\$	-	\$	-
			DIV-22	PLUMBING												\$
				Fixture												
1	P.0	P.0		P-1 - Student Water Closet	13	0%	13	EA	\$	-	\$	-	\$	-	\$	-
2	P.0	P.0		P-1A - Student Water Closet	7	0%	7	EA	\$	-	\$	-	\$	-	\$	-
3	P.0	P.0		P-1B - Kinder Water Closet	8	0%	8	EA	\$	-	\$	-	\$	-	\$	-
4	P.0	P.0		P-1C - Faculty Water Closet	6	0%	6	EA	\$	-	\$	-	\$	-	\$	-
5	P.0	P.0		P-2 - Student Lavatory	12	0%	12	EA	\$	-	\$	-	\$	-	\$	-
6	P.0	P.0		P-2A - Student Lavatory	15	0%	15	EA	\$	-	\$	-	\$	-	\$	-
7	P.0	P.0		P-2B - Faculty Lavatory	6	0%	6	EA	\$	-	\$	-	\$	-	\$	-
8	P.0	P.0		P-2C - Cafeteria Lavatory	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
9	P.0	P.0		P-2D - Student Lavatory	8	0%	8	EA	\$	-	\$	-	\$	-	\$	-
10	P.0	P.0		P-3 - Urinal	2	0%	2	EA	\$	-	\$	-	\$	-	\$	-
11	P.0	P.0		P-3A - Urinal	3	0%	3	EA	\$	-	\$	-	\$	-	\$	-
12	P.0	P.0		P-4 - Drinking Fountain	8	0%	8	EA	\$	-	\$	-	\$	-	\$	-
13	P.0	P.0		P-4A - Drinking Fountain	2	0%	2	EA	\$	-	\$	-	\$	-	\$	-
14	P.0	P.0		P-5 - Service Sink	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
15	P.0	P.0		P-6 - Sink (Science RM)	4	0%	4	EA	\$	-	\$	-	\$	-	\$	-
16	P.0	P.0		P-6A - Sink (Art RM)	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
17	P.0	P.0		P-6B - Sink (Teachers Lounge)	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
18	P.0	P.0		P-6C - Sink (Nurse / Life Skills)	2	0%	2	EA	\$	-	\$	-	\$	-	\$	-
19	P.0	P.0		P-6D - Sink (Makers LAB)	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
20	P.0	P.0		P-6E - Sink (Kitchen 3-Comp)	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
21	P.0	P.0		P-6F - Sink (Kitchen Hand Sink)	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
22	P.0	P.0		P-7 - Emergency Wash Station	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
23	P.0	P.0		P-8 - Floor Drain	35	0%	35	EA	\$	-	\$	-	\$	-	\$	-
24	P.0	P.0		P-8A - Floor Drain	2	0%	2	EA	\$	-	\$	-	\$	-	\$	-
25	P.0	P.0		P-8B - Floor Sink	3	0%	3	EA	\$	-	\$	-	\$	-	\$	-
26	P.0	P.0		P-9 - Roof Drain	15	0%	15	EA	\$	-	\$	-	\$	-	\$	-
27	P.0	P.0		P-9A - Overflow Roof Drain	4	0%	4	EA	\$	-	\$	-	\$	-	\$	-
28	P.0	P.0		P-9B - Rooftop Receptor	5	0%	5	EA	\$	-	\$	-	\$	-	\$	-
29	P.0	P.0		P-9C - Downspout Nozzle	7	0%	7	EA	\$	-	\$	-	\$	-	\$	-
30	P.0	P.0		P-10 - Ice Machine Box	4	0%	4	EA	\$	-	\$	-	\$	-	\$	-
31	P.0	P.0		LR-1	3	0%	3	EA	\$	-	\$	-	\$	-	\$	-
32	P.0	P.0		Ball Valve	46	0%	46	EA	\$	-	\$	-	\$	-	\$	-
33	P.0	P.0		Gate Valve	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
34	P.0	P.0		Check Valve	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
35	P.0	P.0		Shut-Off Valve	2	0%	2	EA	\$	-	\$	-	\$	-	\$	-
36	P.0	P.0		Yard Cleanout	19	0%	19	EA	\$	-	\$	-	\$	-	\$	-
37	P.0	P.0		Wall Cleanout	3	0%	3	EA	\$	-	\$	-	\$	-	\$	-
38	P.0	P.0		Floor Cleanout	5	0%	5	EA	\$	-	\$	-	\$	-	\$	-
39	P.0	P.0		Solenoid Controller	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
40	P.0	P.0		Non-Freeze Wall Hydrant	6	0%	6	EA	\$	-	\$	-	\$	-	\$	-
				Shock Arrestor												
41	P.0	P.0		SA-A - Shock Arrestor	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
42	P.0	P.0		SA-B - Shock Arrestor	7	0%	7	EA	\$	-	\$	-	\$	-	\$	-
43	P.0	P.0		SA-C - Shock Arrestor	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
44	P.0	P.0		SA-D - Shock Arrestor	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
				Master Thermostatic Mixing Valve Schedule												
45	P.0	P.0		MV-2 - Master Thermostatic Mixing Valve - Mfg.: Powers - Model: LFMM-431-1 - Flow GPM: 11.5	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
46	P.0	P.0		MV-2A - Master Thermostatic Mixing Valve - Mfg.: Powers - Model: LFMM-431-1 - Flow GPM: 2.5	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
				Water Heater Schedule												
47	P.0	P.0		EW1-1 - Water Heater - Mfg.: A.O Smith - Model: #DEN-30 - GPH: 68 - 208V / 3Ph - 10KW	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
48	P.0	P.0		EW1-2 - Water Heater - Mfg.: A.O Smith - Model: #DEN-32 - GPH: 51 - 208V / 3Ph - 10KW	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
				Recirculating Pump Schedule												
49	P.0	P.0		RCP-1 - GPM: 5 - 115V / 1Ph / 60Hz - 1/6 HP	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
50	P.0	P.0		RCP-2 - GPM: 5 - 115V / 1Ph / 60Hz - 1/6 HP	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
51	P.0	P.0		RCP-2A - GPM: 1 - 115V / 1Ph / 60Hz - 1/6 HP	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
				Grease Interceptor												
52	P.0	P.0		(9'-2"L x 5'-8"W x 6'-0"H) - Grease Interceptor - Model: GT-1250 - Weight: 14650 Lbs.	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
				Pipe Work												
53	P.0	P.0		Fire Line Pipe	8	10%	9	LF	\$	-	\$	-	\$	-	\$	-
54	P.0	P.0		(2" Dia) Vent Pipe	707	10%	778	LF	\$	-	\$	-	\$	-	\$	-
55	P.0	P.0		(3" Dia) Vent Pipe	159	10%	175	LF	\$	-	\$	-	\$	-	\$	-
56	P.0	P.0		(1.1/2" Dia) Vent Pipe	187	10%	206	LF	\$	-	\$	-	\$	-	\$	-
57	P.0	P.0		(1" Dia) Hot Water Pipe	1215	10%	1337	LF	\$	-	\$	-	\$	-	\$	-
58	P.0	P.0		(3/4" Dia) Hot Water Pipe	52	10%	57	LF	\$	-	\$	-	\$	-	\$	-
59	P.0	P.0		(1" Dia) Cold Water Pipe	100	10%	110	LF	\$	-	\$	-	\$	-	\$	-
60	P.0	P.0		(2" Dia) Cold Water Pipe	136	10%	149	LF	\$	-	\$	-	\$	-	\$	-
61	P.0	P.0		(3" Dia) Cold Water Pipe	214	10%	235	LF	\$	-	\$	-	\$	-	\$	-
62	P.0	P.0		(1/2" Dia) Cold Water Pipe	197	10%	217	LF	\$	-	\$	-	\$	-	\$	-
63	P.0	P.0		(3/4" Dia) Cold Water Pipe	598	10%	658	LF	\$	-	\$	-	\$	-	\$	-
64	P.0	P.0		(1 1/2" Dia) Cold Water Pipe	136	10%	149	LF	\$	-	\$	-	\$	-	\$	-
65	P.0	P.0		(1 1/4" Dia) Cold Water Pipe	300	10%	330	LF	\$	-	\$	-	\$	-	\$	-
66	P.0	P.0		(2 1/2" Dia) Cold Water Pipe	207	10%	228	LF	\$	-	\$	-	\$	-	\$	-
67	P.0	P.0		(3/4" Dia) Hot Water Return Pipe	130	10%	143	LF	\$	-	\$	-	\$	-	\$	-
68	P.0	P.0		(3/4" Dia) Condensate Drain Pipe	132	10%	146	LF	\$	-	\$	-	\$	-	\$	-
69	P.0	P.0		(1" Dia) Sanitary Drain Pipe	60	10%	66	LF	\$	-	\$	-	\$	-	\$	-
70	P.0	P.0		(2" Dia) Sanitary Drain Pipe	140	10%	154	LF	\$	-	\$	-	\$	-	\$	-
71	P.0	P.0		(4" Dia) Sanitary Drain Pipe	250	10%	275	LF	\$	-	\$	-	\$	-	\$	-
72	P.0	P.0		(1/2" Dia) Sanitary Drain Pipe	30	10%	33	LF	\$	-	\$	-	\$	-	\$	-

ITEM #	REF. SHEET	DETAIL	CSI SECT	DESCRIPTION	QTY.	WASTAGE	QTY WITH WASTAGE	UNIT	UNIT LABOR HOUR	TOTAL LABOR HOUR	PER HOUR LABOR RATE	TOTAL LABOR COST	UNIT MATERIAL COST	TOTAL MATERIAL COST	TOTAL ITEM COST	TRADE COST
73	P.0	P.0		(3/4" Dia) Sanitary Drain Pipe	20	10%	22	LF	\$	-	\$	-	\$	-	\$	-
74	P.0	P.0		(1 1/2" Dia) Sanitary Drain Pipe	70	10%	77	LF	\$	-	\$	-	\$	-	\$	-
75	P.0	P.0		(1 1/4" Dia) Sanitary Drain Pipe	39	10%	43	LF	\$	-	\$	-	\$	-	\$	-
76	P.0	P.0		(4" Dia) Grease Waste Pipe	58	10%	63	LF	\$	-	\$	-	\$	-	\$	-
77	P.0	P.0		(3" Dia) Domestic Water Pipe	3	10%	4	LF	\$	-	\$	-	\$	-	\$	-
78	P.0	P.0		(2" Dia) Roof Drain Pipe	8	10%	9	LF	\$	-	\$	-	\$	-	\$	-
79	P.0	P.0		(3" Dia) Roof Drain Pipe	17	10%	18	LF	\$	-	\$	-	\$	-	\$	-
80	P.0	P.0		(4" Dia) Roof Drain Pipe	215	10%	236	LF	\$	-	\$	-	\$	-	\$	-
81	P.0	P.0		(6" Dia) Roof Drain Pipe	92	10%	101	LF	\$	-	\$	-	\$	-	\$	-
82	P.0	P.0		(8" Dia) Roof Drain Pipe	103	10%	113	LF	\$	-	\$	-	\$	-	\$	-
83	P.0	P.0		(6" Dia) Overflow Roof Drain Pipe	29	10%	32	LF	\$	-	\$	-	\$	-	\$	-
84	P.0	P.0		(8" Dia) Overflow Roof Drain Pipe	38	10%	42	LF	\$	-	\$	-	\$	-	\$	-
85	P.0	P.0		(4" Dia) Overflow Roof Drain Pipe	16	10%	18	LF	\$	-	\$	-	\$	-	\$	-
86	P.0	P.0		Perimeter Trap Pipe	33	10%	37	LF	\$	-	\$	-	\$	-	\$	-
				Fitting												
87	P.0	P.0		(2") 45 Degree Elbow	20	0%	20	EA	\$	-	\$	-	\$	-	\$	-
88	P.0	P.0		(3") 45 Degree Elbow	6	0%	6	EA	\$	-	\$	-	\$	-	\$	-
89	P.0	P.0		(4") 45 Degree Elbow	26	0%	26	EA	\$	-	\$	-	\$	-	\$	-
90	P.0	P.0		(6") 45 Degree Elbow	10	0%	10	EA	\$	-	\$	-	\$	-	\$	-
91	P.0	P.0		(8") 45 Degree Elbow	13	0%	13	EA	\$	-	\$	-	\$	-	\$	-
92	P.0	P.0		(1/2") 45 Degree Elbow	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
93	P.0	P.0		(3/4") 45 Degree Elbow	8	0%	8	EA	\$	-	\$	-	\$	-	\$	-
94	P.0	P.0		(1 1/2") 45 Degree Elbow	5	0%	5	EA	\$	-	\$	-	\$	-	\$	-
95	P.0	P.0		(1 1/4") 45 Degree Elbow	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
96	P.0	P.0		(1") 90 Degree Elbow	62	0%	62	EA	\$	-	\$	-	\$	-	\$	-
97	P.0	P.0		(2") 90 Degree Elbow	28	0%	28	EA	\$	-	\$	-	\$	-	\$	-
98	P.0	P.0		(3") 90 Degree Elbow	8	0%	8	EA	\$	-	\$	-	\$	-	\$	-
99	P.0	P.0		(1/2") 90 Degree Elbow	15	0%	15	EA	\$	-	\$	-	\$	-	\$	-
100	P.0	P.0		(3/4") 90 Degree Elbow	41	0%	41	EA	\$	-	\$	-	\$	-	\$	-
101	P.0	P.0		(1 1/2") 90 Degree Elbow	15	0%	15	EA	\$	-	\$	-	\$	-	\$	-
102	P.0	P.0		(1 1/4") 90 Degree Elbow	13	0%	13	EA	\$	-	\$	-	\$	-	\$	-
103	P.0	P.0		(2 1/2") 90 Degree Elbow	9	0%	9	EA	\$	-	\$	-	\$	-	\$	-
104	P.0	P.0		(1" Vs. 1" Vs. 1") Tee	25	0%	25	EA	\$	-	\$	-	\$	-	\$	-
105	P.0	P.0		(2" Vs. 2" Vs. 1") Tee	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
106	P.0	P.0		(2" Vs. 2" Vs. 2") Tee	10	0%	10	EA	\$	-	\$	-	\$	-	\$	-
107	P.0	P.0		(2" Vs. 2" Vs. 3") Tee	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
108	P.0	P.0		(3" Vs. 3" Vs. 3") Tee	13	0%	13	EA	\$	-	\$	-	\$	-	\$	-
109	P.0	P.0		(1" Vs. 1" Vs. 3/4") Tee	2	0%	2	EA	\$	-	\$	-	\$	-	\$	-
110	P.0	P.0		(2" Vs. 2" Vs. 1/2") Tee	7	0%	7	EA	\$	-	\$	-	\$	-	\$	-
111	P.0	P.0		(2" Vs. 2" Vs. 3/4") Tee	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
112	P.0	P.0		(3" Vs. 3" Vs. 1/2") Tee	2	0%	2	EA	\$	-	\$	-	\$	-	\$	-
113	P.0	P.0		(3" Vs. 3" Vs. 3/4") Tee	2	0%	2	EA	\$	-	\$	-	\$	-	\$	-
114	P.0	P.0		(2" Vs. 2" Vs. 1 1/2") Tee	4	0%	4	EA	\$	-	\$	-	\$	-	\$	-
115	P.0	P.0		(3" Vs. 3" Vs. 1 1/4") Tee	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
116	P.0	P.0		(3" Vs. 3" Vs. 1 1/2") Tee	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
117	P.0	P.0		(3" Vs. 3" Vs. 1 1/4") Tee	2	0%	2	EA	\$	-	\$	-	\$	-	\$	-
118	P.0	P.0		(1" Vs. 3/4" Vs. 1 1/4") Tee	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
119	P.0	P.0		(2" Vs. 1/2" Vs. 2 1/2") Tee	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
120	P.0	P.0		(1/2" Vs. 1/2" Vs. 1/2") Tee	5	0%	5	EA	\$	-	\$	-	\$	-	\$	-
121	P.0	P.0		(3/4" Vs. 3/4" Vs. 3/4") Tee	18	0%	18	EA	\$	-	\$	-	\$	-	\$	-
122	P.0	P.0		(1" Vs. 1 1/2" Vs. 1 1/2") Tee	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
123	P.0	P.0		(3" Vs. 1 1/2" Vs. 1 1/2") Tee	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
124	P.0	P.0		(3" Vs. 2 1/2" Vs. 2 1/2") Tee	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
125	P.0	P.0		(3/4" Vs. 3/4" Vs. 1 1/4") Tee	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
126	P.0	P.0		(1/2" Vs. 1 1/4" Vs. 1 1/4") Tee	2	0%	2	EA	\$	-	\$	-	\$	-	\$	-
127	P.0	P.0		(3/4" Vs. 1 1/4" Vs. 1 1/4") Tee	4	0%	4	EA	\$	-	\$	-	\$	-	\$	-
128	P.0	P.0		(2 1/2" Vs. 2 1/2" Vs. 1/2") Tee	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
129	P.0	P.0		(1 1/2" Vs. 1 1/2" Vs. 1 1/2") Tee	20	0%	20	EA	\$	-	\$	-	\$	-	\$	-
130	P.0	P.0		(1 1/2" Vs. 1 1/2" Vs. 1 1/4") Tee	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
131	P.0	P.0		(1 1/2" Vs. 1 1/4" Vs. 1 1/4") Tee	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
132	P.0	P.0		(1 1/4" Vs. 1 1/4" Vs. 1 1/4") Tee	11	0%	11	EA	\$	-	\$	-	\$	-	\$	-
133	P.0	P.0		(2 1/2" Vs. 2 1/2" Vs. 1 1/4") Tee	4	0%	4	EA	\$	-	\$	-	\$	-	\$	-
134	P.0	P.0		(2" Vs. 2" Vs. 2") Wye	43	0%	43	EA	\$	-	\$	-	\$	-	\$	-
135	P.0	P.0		(2" Vs. 2" Vs. 3") Wye	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
136	P.0	P.0		(2" Vs. 2" Vs. 4") Wye	2	0%	2	EA	\$	-	\$	-	\$	-	\$	-
137	P.0	P.0		(2" Vs. 3" Vs. 3") Wye	2	0%	2	EA	\$	-	\$	-	\$	-	\$	-
138	P.0	P.0		(2" Vs. 4" Vs. 4") Wye	2	0%	2	EA	\$	-	\$	-	\$	-	\$	-
139	P.0	P.0		(3" Vs. 3" Vs. 3") Wye	12	0%	12	EA	\$	-	\$	-	\$	-	\$	-
140	P.0	P.0		(4" Vs. 4" Vs. 4") Wye	17	0%	17	EA	\$	-	\$	-	\$	-	\$	-
141	P.0	P.0		(4" Vs. 6" Vs. 6") Wye	2	0%	2	EA	\$	-	\$	-	\$	-	\$	-
142	P.0	P.0		(4" Vs. 8" Vs. 8") Wye	2	0%	2	EA	\$	-	\$	-	\$	-	\$	-
143	P.0	P.0		(6" Vs. 8" Vs. 8") Wye	2	0%	2	EA	\$	-	\$	-	\$	-	\$	-
144	P.0	P.0		(3/4" Vs. 3/4" Vs. 3/4") Wye	6	0%	6	EA	\$	-	\$	-	\$	-	\$	-
145	P.0	P.0		(1 1/2" Vs. 1 1/2" Vs. 1 1/2") Wye	4	0%	4	EA	\$	-	\$	-	\$	-	\$	-
				Site Plumbing												
146	P.0	P.0		Kn#1 - 4" Sanitary Sewer Stub-Out	54	0%	54	EA	\$	-	\$	-	\$	-	\$	-
147	P.0	P.0		Kn#4 - 8" Primary Roof Drain Piping	17	0%	17	EA	\$	-	\$	-	\$	-	\$	-
148	P.0	P.0		Kn#5 - 10" Primary Overflow Drain Piping	5	0%	5	EA	\$	-	\$	-	\$	-	\$	-
149	P.0	P.0		Kn#2 - 3" Domestic Cold Water Stub-Out	5	0%	5	EA	\$	-	\$	-	\$	-	\$	-
150	P.0	P.0		Kn#3 - 6" Fire Stub-Out	5	0%	5	EA	\$	-	\$	-	\$	-	\$	-
151	P.0	P.0		Grease Waste Pipe	58	0%	58	EA	\$	-	\$	-	\$	-	\$	-
152	P.0	P.0		Kn#8 - Wall Mounted FDC	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
153	P.0	P.0		Kn#10 - Woodford - Model: Y30 Freeze less Yard Hydrant	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
				DIV-23 (HVAC) HEATING VENTILATING & AIR CONDITIONING												\$
				Ductwork												
154	M.0	M.0		(6" Dia) Round Duct	378	10%	415	LF	\$	-	\$	-	\$	-	\$	-
155	M.0	M.0		(8" Dia) Round Duct	533	10%	586	LF	\$	-	\$	-	\$	-	\$	-
156	M.0	M.0		(10" Dia) Round Duct	460	10%	506	LF	\$	-	\$	-	\$	-	\$	-
157	M.0	M.0		(12" Dia) Round Duct	132	10%	145	LF	\$	-	\$	-	\$	-	\$	-
158	M.0	M.0		(14" Dia) Round Duct	99	10%	109	LF	\$	-	\$	-	\$	-	\$	-
159	M.0	M.0		(18" Dia) Round Duct	19	10%	21	LF	\$	-	\$	-	\$	-	\$	-
160	M.0	M.0		(22" Dia) Round Duct	58	10%	64	LF	\$	-	\$	-	\$	-	\$	-
161	M.0	M.0		(26" Dia) Round Duct	19	10%	21	LF	\$	-	\$	-	\$	-	\$	-
162	M.0	M.0		(28" Dia) Round Duct	22	10%	24	LF	\$	-	\$	-	\$	-	\$	-
163	M.0	M.0		(6" Dia) Flexible Duct	60	10%	66	LF	\$	-	\$	-	\$	-	\$	-
164	M.0	M.0		(8" Dia) Flexible Duct	299	10%	329	LF	\$	-	\$	-	\$	-	\$	-
165	M.0	M.0		(10" Dia) Flexible Duct	250	10%	275	LF	\$	-	\$	-	\$	-	\$	-
166	M.0	M.0		(12" Dia) Flexible Duct	13	10%	15	LF	\$	-	\$	-	\$	-	\$	-
167	M.0	M.0		(6 x 6) Rectangular Duct	109	10%	120	LF	\$	-	\$	-	\$	-	\$	-
168	M.0	M.0		(8 x 8) Rectangular Duct	156	10%	172	LF	\$	-	\$	-	\$	-	\$	-
169	M.0	M.0		(10 x 8) Rectangular Duct	93	10%	103	LF	\$	-	\$	-	\$	-	\$	-
170	M.0	M.0		(10 x 10) Rectangular Duct	138	10%	152	LF	\$	-	\$	-	\$	-	\$	-
171	M.0	M.0		(10 x 12) Rectangular Duct	18	10%	20	LF	\$	-	\$	-	\$	-	\$	-
172	M.0	M.0		(12 x 6) Rectangular Duct	52	10%	57	LF	\$	-	\$	-	\$	-	\$	-
173	M.0	M.0		(12 x 8) Rectangular Duct	129	10%	141	LF	\$	-	\$	-	\$	-	\$	-
174	M.0	M.0		(12 x 10) Rectangular Duct	215	10%	236	LF	\$	-	\$	-	\$	-	\$	-
175	M.0	M.0		(12 x 12) Rectangular Duct	365	10%	401	LF	\$	-	\$	-	\$	-	\$	-
176	M.0	M.0		(14 x 10) Rectangular Duct	11	10%	12	LF	\$	-	\$	-	\$	-	\$	-
1																

ITEM #	REF. SHEET	DETAIL	CSI SECT	DESCRIPTION	QTY.	WASTAGE	QTY WITH WASTAGE	UNIT	UNIT LABOR HOUR	TOTAL LABOR HOUR	PER HOUR LABOR RATE	TOTAL LABOR COST	UNIT MATERIAL COST	TOTAL MATERIAL COST	TOTAL ITEM COST	TRADE COST
189	M.0	M.0		(22 x 16) Rectangular Duct	13	10%	14	LF	\$	-	\$	-	\$	-	\$	-
190	M.0	M.0		(24 x 16) Rectangular Duct	6	10%	7	LF	\$	-	\$	-	\$	-	\$	-
191	M.0	M.0		(26 x 20) Rectangular Duct	13	10%	14	LF	\$	-	\$	-	\$	-	\$	-
192	M.0	M.0		(26 x 24) Rectangular Duct	19	10%	21	LF	\$	-	\$	-	\$	-	\$	-
193	M.0	M.0		(28 x 18) Rectangular Duct	7	10%	8	LF	\$	-	\$	-	\$	-	\$	-
194	M.0	M.0		(32 x 18) Rectangular Duct	36	10%	39	LF	\$	-	\$	-	\$	-	\$	-
195	M.0	M.0		(48 x 24) Rectangular Duct	11	10%	12	LF	\$	-	\$	-	\$	-	\$	-
196	M.0	M.0		(76 x 24) Rectangular Duct	3	10%	4	LF	\$	-	\$	-	\$	-	\$	-
				Diffuser, Grille & Register												
197	M.0	M.0		S1 Type - (24 x 24) - Plaque Supply Air Diffuser Grille - Mfg.: Price - Model: ASPD - Material: Aluminum - 50 CFM	2	0%	2	EA	\$	-	\$	-	\$	-	\$	-
198	M.0	M.0		S1 Type - (24 x 24) - Plaque Supply Air Diffuser Grille - Mfg.: Price - Model: ASPD - Material: Aluminum - 60 CFM	2	0%	2	EA	\$	-	\$	-	\$	-	\$	-
199	M.0	M.0		S1 Type - (24 x 24) - Plaque Supply Air Diffuser Grille - Mfg.: Price - Model: ASPD - Material: Aluminum - 70 CFM	3	0%	3	EA	\$	-	\$	-	\$	-	\$	-
200	M.0	M.0		S1 Type - (24 x 24) - Plaque Supply Air Diffuser Grille - Mfg.: Price - Model: ASPD - Material: Aluminum - 80 CFM	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
201	M.0	M.0		S1 Type - (24 x 24) - Plaque Supply Air Diffuser Grille - Mfg.: Price - Model: ASPD - Material: Aluminum - 90 CFM	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
202	M.0	M.0		S1 Type - (24 x 24) - Plaque Supply Air Diffuser Grille - Mfg.: Price - Model: ASPD - Material: Aluminum - 100 CFM	14	0%	14	EA	\$	-	\$	-	\$	-	\$	-
203	M.0	M.0		S1 Type - (24 x 24) - Plaque Supply Air Diffuser Grille - Mfg.: Price - Model: ASPD - Material: Aluminum - 110 CFM	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
204	M.0	M.0		S1 Type - (24 x 24) - Plaque Supply Air Diffuser Grille - Mfg.: Price - Model: ASPD - Material: Aluminum - 115 CFM	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
205	M.0	M.0		S1 Type - (24 x 24) - Plaque Supply Air Diffuser Grille - Mfg.: Price - Model: ASPD - Material: Aluminum - 120 CFM	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
206	M.0	M.0		S1 Type - (24 x 24) - Plaque Supply Air Diffuser Grille - Mfg.: Price - Model: ASPD - Material: Aluminum - 125 CFM	6	0%	6	EA	\$	-	\$	-	\$	-	\$	-
207	M.0	M.0		S1 Type - (24 x 24) - Plaque Supply Air Diffuser Grille - Mfg.: Price - Model: ASPD - Material: Aluminum - 130 CFM	10	0%	10	EA	\$	-	\$	-	\$	-	\$	-
208	M.0	M.0		S1 Type - (24 x 24) - Plaque Supply Air Diffuser Grille - Mfg.: Price - Model: ASPD - Material: Aluminum - 140 CFM	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
209	M.0	M.0		S1 Type - (24 x 24) - Plaque Supply Air Diffuser Grille - Mfg.: Price - Model: ASPD - Material: Aluminum - 150 CFM	11	0%	11	EA	\$	-	\$	-	\$	-	\$	-
210	M.0	M.0		S1 Type - (24 x 24) - Plaque Supply Air Diffuser Grille - Mfg.: Price - Model: ASPD - Material: Aluminum - 160 CFM	2	0%	2	EA	\$	-	\$	-	\$	-	\$	-
211	M.0	M.0		S1 Type - (24 x 24) - Plaque Supply Air Diffuser Grille - Mfg.: Price - Model: ASPD - Material: Aluminum - 165 CFM	12	0%	12	EA	\$	-	\$	-	\$	-	\$	-
212	M.0	M.0		S1 Type - (24 x 24) - Plaque Supply Air Diffuser Grille - Mfg.: Price - Model: ASPD - Material: Aluminum - 170 CFM	12	0%	12	EA	\$	-	\$	-	\$	-	\$	-
213	M.0	M.0		S1 Type - (24 x 24) - Plaque Supply Air Diffuser Grille - Mfg.: Price - Model: ASPD - Material: Aluminum - 175 CFM	5	0%	5	EA	\$	-	\$	-	\$	-	\$	-
214	M.0	M.0		S1 Type - (24 x 24) - Plaque Supply Air Diffuser Grille - Mfg.: Price - Model: ASPD - Material: Aluminum - 180 CFM	35	0%	35	EA	\$	-	\$	-	\$	-	\$	-
215	M.0	M.0		S1 Type - (24 x 24) - Plaque Supply Air Diffuser Grille - Mfg.: Price - Model: ASPD - Material: Aluminum - 190 CFM	12	0%	12	EA	\$	-	\$	-	\$	-	\$	-
216	M.0	M.0		S1 Type - (24 x 24) - Plaque Supply Air Diffuser Grille - Mfg.: Price - Model: ASPD - Material: Aluminum - 200 CFM	4	0%	4	EA	\$	-	\$	-	\$	-	\$	-
217	M.0	M.0		S1 Type - (24 x 24) - Plaque Supply Air Diffuser Grille - Mfg.: Price - Model: ASPD - Material: Aluminum - 205 CFM	12	0%	12	EA	\$	-	\$	-	\$	-	\$	-
218	M.0	M.0		S1 Type - (24 x 24) - Plaque Supply Air Diffuser Grille - Mfg.: Price - Model: ASPD - Material: Aluminum - 210 CFM	9	0%	9	EA	\$	-	\$	-	\$	-	\$	-
219	M.0	M.0		S1 Type - (24 x 24) - Plaque Supply Air Diffuser Grille - Mfg.: Price - Model: ASPD - Material: Aluminum - 220 CFM	13	0%	13	EA	\$	-	\$	-	\$	-	\$	-
220	M.0	M.0		S1 Type - (24 x 24) - Plaque Supply Air Diffuser Grille - Mfg.: Price - Model: ASPD - Material: Aluminum - 230 CFM	3	0%	3	EA	\$	-	\$	-	\$	-	\$	-
221	M.0	M.0		S1 Type - (24 x 24) - Plaque Supply Air Diffuser Grille - Mfg.: Price - Model: ASPD - Material: Aluminum - 235 CFM	2	0%	2	EA	\$	-	\$	-	\$	-	\$	-
222	M.0	M.0		S1 Type - (24 x 24) - Plaque Supply Air Diffuser Grille - Mfg.: Price - Model: ASPD - Material: Aluminum - 240 CFM	9	0%	9	EA	\$	-	\$	-	\$	-	\$	-
223	M.0	M.0		S1 Type - (24 x 24) - Plaque Supply Air Diffuser Grille - Mfg.: Price - Model: ASPD - Material: Aluminum - 250 CFM	4	0%	4	EA	\$	-	\$	-	\$	-	\$	-
224	M.0	M.0		S1 Type - (24 x 24) - Plaque Supply Air Diffuser Grille - Mfg.: Price - Model: ASPD - Material: Aluminum - 260 CFM	10	0%	10	EA	\$	-	\$	-	\$	-	\$	-
225	M.0	M.0		S1 Type - (24 x 24) - Plaque Supply Air Diffuser Grille - Mfg.: Price - Model: ASPD - Material: Aluminum - 270 CFM	10	0%	10	EA	\$	-	\$	-	\$	-	\$	-
226	M.0	M.0		S1 Type - (24 x 24) - Plaque Supply Air Diffuser Grille - Mfg.: Price - Model: ASPD - Material: Aluminum - 280 CFM	5	0%	5	EA	\$	-	\$	-	\$	-	\$	-
227	M.0	M.0		S1 Type - (24 x 24) - Plaque Supply Air Diffuser Grille - Mfg.: Price - Model: ASPD - Material: Aluminum - 290 CFM	4	0%	4	EA	\$	-	\$	-	\$	-	\$	-
228	M.0	M.0		S1 Type - (24 x 24) - Plaque Supply Air Diffuser Grille - Mfg.: Price - Model: ASPD - Material: Aluminum - 325 CFM	9	0%	9	EA	\$	-	\$	-	\$	-	\$	-
229	M.0	M.0		S1 Type - (24 x 24) - Plaque Supply Air Diffuser Grille - Mfg.: Price - Model: ASPD - Material: Aluminum - 330 CFM	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
230	M.0	M.0		S1 Type - (24 x 24) - Plaque Supply Air Diffuser Grille - Mfg.: Price - Model: ASPD - Material: Aluminum - 350 CFM	5	0%	5	EA	\$	-	\$	-	\$	-	\$	-
231	M.0	M.0		S1 Type - (24 x 24) - Plaque Supply Air Diffuser Grille - Mfg.: Price - Model: ASPD - Material: Aluminum - 430 CFM	2	0%	2	EA	\$	-	\$	-	\$	-	\$	-
232	M.0	M.0		S1 Type - (24 x 24) - Plaque Supply Air Diffuser Grille - Mfg.: Price - Model: ASPD - Material: Aluminum - 650 CFM	3	0%	3	EA	\$	-	\$	-	\$	-	\$	-
233	M.0	M.0		S2 Type - (12 x 12) - Plaque Supply Air Diffuser Grille - Mfg.: Price - Model: ASPD - Material: Aluminum - 50 CFM	17	0%	17	EA	\$	-	\$	-	\$	-	\$	-
234	M.0	M.0		S3 Type - (12 x 8) - Louvered/Long Supply Air Diffuser Grille - Mfg.: Price - Model: 620 - Material: Aluminum - 100 CFM	4	0%	4	EA	\$	-	\$	-	\$	-	\$	-
235	M.0	M.0		S3 Type - (12 x 8) - Louvered/Long Supply Air Diffuser Grille - Mfg.: Price - Model: 620 - Material: Aluminum - 115 CFM	4	0%	4	EA	\$	-	\$	-	\$	-	\$	-
236	M.0	M.0		S3 Type - (12 x 8) - Louvered/Long Supply Air Diffuser Grille - Mfg.: Price - Model: 620 - Material: Aluminum - 160 CFM	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
237	M.0	M.0		S3 Type - (12 x 10) - Louvered/Long Supply Air Diffuser Grille - Mfg.: Price - Model: 620 - Material: Aluminum - 205 CFM	6	0%	6	EA	\$	-	\$	-	\$	-	\$	-
238	M.0	M.0		S4 Type - (12 x 6) - Drum Lower Supply Air Diffuser Grille - Mfg.: Price - Model: SDG - Material: Aluminum - 90 CFM	4	0%	4	EA	\$	-	\$	-	\$	-	\$	-
239	M.0	M.0		S4 Type - (12 x 8) - Extruded Supply Air Diffuser Grille - Mfg.: Price - Model: SDG - Material: Aluminum - 285 CFM	4	0%	4	EA	\$	-	\$	-	\$	-	\$	-
240	M.0	M.0		S5 Type - (18 x 12) - Drum Lower Supply Air Diffuser Grille - Mfg.: Price - Model: AHCDL - Material: Aluminum - 675 CFM	8	0%	8	EA	\$	-	\$	-	\$	-	\$	-
241	M.0	M.0		E1 Type - (24 x 24) - Egg crate Exhaust Grille - Mfg.: Price - Model: 80 - Material: Aluminum - 230 CFM	2	0%	2	EA	\$	-	\$	-	\$	-	\$	-
242	M.0	M.0		E1 Type - (24 x 24) - Egg crate Exhaust Grille - Mfg.: Price - Model: 80 - Material: Aluminum - 275 CFM	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
243	M.0	M.0		E1 Type - (24 x 24) - Egg crate Exhaust Grille - Mfg.: Price - Model: 80 - Material: Aluminum - 300 CFM	3	0%	3	EA	\$	-	\$	-	\$	-	\$	-
244	M.0	M.0		E1 Type - (24 x 24) - Egg crate Exhaust Grille - Mfg.: Price - Model: 80 - Material: Aluminum - 350 CFM	2	0%	2	EA	\$	-	\$	-	\$	-	\$	-
245	M.0	M.0		E1 Type - (24 x 24) - Egg crate Exhaust Grille - Mfg.: Price - Model: 80 - Material: Aluminum - 390 CFM	2	0%	2	EA	\$	-	\$	-	\$	-	\$	-
246	M.0	M.0		E1 Type - (24 x 24) - Egg crate Exhaust Grille - Mfg.: Price - Model: 80 - Material: Aluminum - 500 CFM	2	0%	2	EA	\$	-	\$	-	\$	-	\$	-
247	M.0	M.0		E1 Type - (24 x 24) - Egg crate Exhaust Grille - Mfg.: Price - Model: 80 - Material: Aluminum - 540 CFM	2	0%	2	EA	\$	-	\$	-	\$	-	\$	-
248	M.0	M.0		E2 Type - (12 x 12) - Egg crate Exhaust Grille - Mfg.: Price - Model: 80 - Material: Aluminum - 100 CFM	14	0%	14	EA	\$	-	\$	-	\$	-	\$	-
249	M.0	M.0		E2 Type - (12 x 12) - Egg crate Exhaust Grille - Mfg.: Price - Model: 80 - Material: Aluminum - 120 CFM	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
250	M.0	M.0		E3 Type - (12 x 12) - Egg crate Exhaust Grille - Mfg.: Price - Model: 80 - Material: Aluminum - 200 CFM	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
251	M.0	M.0		E3 Type - (12 x 12) - Egg crate Exhaust Grille - Mfg.: Price - Model: 80 - Material: Aluminum - 675 CFM	2	0%	2	EA	\$	-	\$	-	\$	-	\$	-
252	M.0	M.0		R1 Type - (24 x 24) - Egg crate Return Air Grille - Mfg.: Price - Model: 80 - Material: Aluminum - 340 CFM	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
253	M.0	M.0		R1 Type - (24 x 24) - Egg crate Return Air Grille - Mfg.: Price - Model: 80 - Material: Aluminum - CFM Details Are Not Given	72	0%	72	EA	\$	-	\$	-	\$	-	\$	-
254	M.0	M.0		R3 Type - (16 x 12) - Return Air Grille - Mfg.: Price - Model: 95 - Material: Steel - CFM Details Are Not Given	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
255	M.0	M.0		R3 Type - (48 x 24) - Return Air Grille - Mfg.: Price - Model: 95 - Material: Steel - CFM Details Are Not Given	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
256	M.0	M.0		(16 x 14) Supply Diffuser Grille - CFM Details Are Not Given	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
257	M.0	M.0		(32 x 18) Supply Diffuser Grille - CFM Details Are Not Given	22	0%	22	EA	\$	-	\$	-	\$	-	\$	-
258	M.0	M.0		(72 x 24) Supply Diffuser Grille - CFM Details Are Not Given	2	0%	2	EA	\$	-	\$	-	\$	-	\$	-
259	M.0	M.0		(32 x 18) Exhaust Grille - CFM Details Are Not Given	23	0%	23	EA	\$	-	\$	-	\$	-	\$	-
260	M.0	M.0		(76 x 24) Exhaust Grille - CFM Details Are Not Given	2	0%	2	EA	\$	-	\$	-	\$	-	\$	-
261	M.0	M.0		(8 x 8) Return Air Grille - CFM Details Are Not Given	10	0%	10	EA	\$	-	\$	-	\$	-	\$	-
262	M.0	M.0		(10 x 8) Return Air Grille - CFM Details Are Not Given	6	0%	6	EA	\$	-	\$	-	\$	-	\$	-
263	M.0	M.0		(10 x 10) Return Air Grille - CFM Details Are Not Given	6	0%	6	EA	\$	-	\$	-	\$	-	\$	-
264	M.0	M.0		(12 x 10) Return Air Grille - CFM Details Are Not Given	4	0%	4	EA	\$	-	\$	-	\$	-	\$	-
265	M.0	M.0		(12 x 12) Return Air Grille - CFM Details Are Not Given	14	0%	14	EA	\$	-	\$	-	\$	-	\$	-
266	M.0	M.0		(14 x 12) Return Air Grille - CFM Details Are Not Given	6	0%	6	EA	\$	-	\$	-	\$	-	\$	-
267	M.0	M.0		(16 x 14) Return Air Grille - CFM Details Are Not Given	29	0%	29	EA	\$	-	\$	-	\$	-	\$	-
268	M.0	M.0		(16 x 16) Return Air Grille - CFM Details Are Not Given	4	0%	4	EA	\$	-	\$	-	\$	-	\$	-
269	M.0	M.0		(20 x 16) Return Air Grille - CFM Details Are Not Given	8	0%	8	EA	\$	-	\$	-	\$	-	\$	-
270	M.0	M.0		(28 x 18) Return Air Grille - CFM Details Are Not Given	2	0%	2	EA	\$	-	\$	-	\$	-	\$	-
271	M.0	M.0		(32 x 18) Return Air Grille - CFM Details Are Not Given	23	0%	23	EA	\$	-	\$	-	\$	-	\$	-
272	M.0	M.0		(76 x 24) Return Air Grille - CFM Details Are Not Given	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
				Exhaust Fan												
273	M.0	M.0		EF-01 - General Exhaust Fan - Mfg.: Greenshank - Model: G-130-VG - Fan Speed: 1395 Rpm - 115V / 1Ph - 1/2 HP - 14	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
274	M.0	M.0		EF-02 - General Exhaust Fan - Mfg.: Greenshank - Model: G-130-VG - Fan Speed: 1269 Rpm - 115V / 1Ph - 1/2 HP - 11	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
275	M.0	M.0		EF-03 - General Exhaust Fan - Mfg.: Greenshank - Model: G-095-VG - Fan Speed: 1705 Rpm - 115V / 1Ph - 1/6 HP - 78	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
276	M.0	M.0		EF-04 - General Exhaust Fan - Mfg.: Greenshank - Model: G-140-VG - Fan Speed: 1562 Rpm - 115V / 1Ph - 1 HP - 2200	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
277	M.0	M.0		EF-05 - Laboratory Exhaust Fan - Mfg.: Greenshank - Model: CUE-130-VG - Fan Speed: 1607 Rpm - 115V / 1Ph - 3/4 HP	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
278	M.0	M.0														

ITEM #	REF. SHEET	DETAIL	CSI SECT	DESCRIPTION	QTY.	WASTAGE	QTY WITH WASTAGE	UNIT	UNIT LABOR HOUR	TOTAL LABOR HOUR	PER HOUR LABOR RATE	TOTAL LABOR COST	UNIT MATERIAL COST	TOTAL MATERIAL COST	TOTAL ITEM COST	TRADE COST
302	M.0	M.0		VAV19-06 - Single Duct VAV Terminal Unit - Mfg.: Price - Model: SDV - 277V / 1Ph - 7.0 KW - 700 CFM	1	0%	1	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
				Roof Top Unit												
303	M.0	M.0		RTU-1 - Roof Top Unit - Model: RQ-006 - Weight: 919 - 460V / 3Ph / 34Amp - 2 Horsepower - 1540 CFM	2	0%	2	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
304	M.0	M.0		RTU-2 - Roof Top Unit - Model: RN-008 - Weight: 1164 - 460V / 3Ph / 49Amp - 2 Horsepower - 1910 CFM	1	0%	1	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
305	M.0	M.0		RTU-3 - Roof Top Unit - Model: RQ-005 - Weight: 910 - 460V / 3Ph / 34Amp - 2 Horsepower - 1755 CFM	1	0%	1	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
306	M.0	M.0		RTU-4 - Roof Top Unit - Model: RN-008 - Weight: 1164 - 460V / 3Ph / 49Amp - 2 Horsepower - 2140 CFM	1	0%	1	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
307	M.0	M.0		RTU-5 - Roof Top Unit - Model: RN-007 - Weight: 1176 - 460V / 3Ph / 34Amp - 2 Horsepower - 2050 CFM	1	0%	1	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
308	M.0	M.0		RTU-6 - Roof Top Unit - Model: RN-011 - Weight: 1827 - 460V / 3Ph / 74Amp - 2 Horsepower - 5075 CFM	1	0%	1	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
309	M.0	M.0		RTU-7 - Roof Top Unit - Model: RN-011 - Weight: 1693 - 460V / 3Ph / 49Amp - 2 Horsepower - 2510 CFM	1	0%	1	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
310	M.0	M.0		RTU-8 - Roof Top Unit - Model: RN-008 - Weight: 1164 - 460V / 3Ph / 49Amp - 2 Horsepower - 2000 CFM	1	0%	1	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
311	M.0	M.0		RTU-9 - Roof Top Unit - Model: RN-007 - Weight: 1122 - 460V / 3Ph / 34Amp - 2 Horsepower - 1380 CFM	1	0%	1	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
312	M.0	M.0		RTU-10 - Roof Top Unit - Model: RQ-004 - Weight: 882 - 460V / 3Ph / 34Amp - 2 Horsepower - 1020 CFM	1	0%	1	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
313	M.0	M.0		RTU-11 - Roof Top Unit - Model: RN-007 - Weight: 1176 - 460V / 3Ph / 34Amp - 2 Horsepower - 1380 CFM	1	0%	1	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
314	M.0	M.0		RTU-12 - Roof Top Unit - Model: RN-008 - Weight: 1164 - 460V / 3Ph / 49Amp - 2 Horsepower - 2080 CFM	1	0%	1	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
315	M.0	M.0		RTU-13 - Roof Top Unit - Model: RN-007 - Weight: 1176 - 460V / 3Ph / 34Amp - 2 Horsepower - 1560 CFM	1	0%	1	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
316	M.0	M.0		RTU-14 - Roof Top Unit - Model: RN-008 - Weight: 1234 - 460V / 3Ph / 51Amp - 2 Horsepower - 2100 CFM	1	0%	1	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
317	M.0	M.0		RTU-15 - Roof Top Unit - Model: RN-008 - Weight: 1164 - 460V / 3Ph / 34Amp - 2 Horsepower - 1830 CFM	1	0%	1	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
318	M.0	M.0		RTU-16 - Roof Top Unit - Model: RN-007 - Weight: 1176 - 460V / 3Ph / 34Amp - 2 Horsepower - 1720 CFM	1	0%	1	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
319	M.0	M.0		RTU-17 - Roof Top Unit - Model: RN-011 - Weight: 1709 - 460V / 3Ph / 51Amp - 2 Horsepower - 3000 CFM	1	0%	1	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
320	M.0	M.0		RTU-18 - Roof Top Unit - Model: RN-011 - Weight: 1709 - 460V / 3Ph / 51Amp - 2 Horsepower - 2540 CFM	1	0%	1	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
321	M.0	M.0		RTU-19 - Roof Top Unit - Model: RN-009 - Weight: 1772 - 460V / 3Ph / 51Amp - 2 Horsepower - 2455 CFM	1	0%	1	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
322	M.0	M.0		RTU-20 - Roof Top Unit - Model: RN-007 - Weight: 1176 - 460V / 3Ph / 34Amp - 2 Horsepower - 1420 CFM	1	0%	1	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
323	M.0	M.0		RTU-21 - Roof Top Unit - Model: RN-009 - Weight: 1772 - 460V / 3Ph / 51Amp - 2 Horsepower - 2610 CFM	1	0%	1	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
324	M.0	M.0		RTU-22 - Roof Top Unit - Model: RN-007 - Weight: 1176 - 460V / 3Ph / 34Amp - 2 Horsepower - 1450 CFM	1	0%	1	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
325	M.0	M.0		RTU-23 - Roof Top Unit - Model: RN-025 - Weight: 2801 - 460V / 3Ph / 110Amp - 2 Horsepower - 6670 CFM	1	0%	1	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
326	M.0	M.0		RTU-24 - Roof Top Unit - Model: RN-018 - Weight: 2629 - 460V / 3Ph / 86Amp - 2 Horsepower - 5400 CFM	1	0%	1	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
327	M.0	M.0		RTU-25 - Roof Top Unit - Model: RQ-004 - Weight: 906 - 460V / 3Ph / 34Amp - 2 Horsepower - 1180 CFM	1	0%	1	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
				Electric Unit Heater												
328	M.0	M.0		EUH-1 - Electric Unit Heater - Mfg.: Markel - Model: HF1B5103N - 208V / 1Ph / 11.9Amp - 2.5 KW - 400 CFM	1	0%	1	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
				Duct Fitting												
329	M.0	M.0		(6" Vs. 6" Dia) Duct Transition	3	0%	3	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
330	M.0	M.0		(6" Vs. 8" Dia) Duct Transition	1	0%	1	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
331	M.0	M.0		(6" Vs. 10" Dia) Duct Transition	1	0%	1	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
332	M.0	M.0		(6" Vs. 12" Dia) Duct Transition	4	0%	4	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
333	M.0	M.0		(6" Vs. 14" Dia) Duct Transition	6	0%	6	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
334	M.0	M.0		(8" Vs. 8" Dia) Duct Transition	5	0%	5	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
335	M.0	M.0		(8" Vs. 10" Dia) Duct Transition	3	0%	3	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
336	M.0	M.0		(8" Vs. 14" Dia) Duct Transition	1	0%	1	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
337	M.0	M.0		(10" Vs. 12" Dia) Duct Transition	9	0%	9	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
338	M.0	M.0		(10" Vs. 14" Dia) Duct Transition	9	0%	9	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
339	M.0	M.0		(10" Vs. 22" Dia) Duct Transition	4	0%	4	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
340	M.0	M.0		(12" Vs. 12" Dia) Duct Transition	1	0%	1	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
341	M.0	M.0		(12" Vs. 14" Dia) Duct Transition	1	0%	1	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
342	M.0	M.0		(18" Vs. 22" Dia) Duct Transition	1	0%	1	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
343	M.0	M.0		(22" Vs. 26" Dia) Duct Transition	1	0%	1	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
344	M.0	M.0		(26" Vs. 28" Dia) Duct Transition	1	0%	1	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
345	M.0	M.0		(6" Dia Vs. 8x8 Rectangular) Duct Transition	3	0%	3	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
346	M.0	M.0		(6" Dia Vs. 10x8 Rectangular) Duct Transition	5	0%	5	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
347	M.0	M.0		(6" Dia Vs. 10x10 Rectangular) Duct Transition	2	0%	2	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
348	M.0	M.0		(6" Dia Vs. 12x8 Rectangular) Duct Transition	3	0%	3	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
349	M.0	M.0		(6" Dia Vs. 12x10 Rectangular) Duct Transition	3	0%	3	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
350	M.0	M.0		(6" Dia Vs. 12x12 Rectangular) Duct Transition	6	0%	6	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
351	M.0	M.0		(6" Dia Vs. 12x16 Rectangular) Duct Transition	3	0%	3	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
352	M.0	M.0		(6" Dia Vs. 14x12 Rectangular) Duct Transition	1	0%	1	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
353	M.0	M.0		(6" Dia Vs. 16x12 Rectangular) Duct Transition	1	0%	1	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
354	M.0	M.0		(6" Dia Vs. 16x14 Rectangular) Duct Transition	3	0%	3	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
355	M.0	M.0		(8" Dia Vs. 10x8 Rectangular) Duct Transition	12	0%	12	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
356	M.0	M.0		(8" Dia Vs. 10x10 Rectangular) Duct Transition	2	0%	2	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
357	M.0	M.0		(8" Dia Vs. 10x12 Rectangular) Duct Transition	2	0%	2	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
358	M.0	M.0		(8" Dia Vs. 12x8 Rectangular) Duct Transition	14	0%	14	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
359	M.0	M.0		(8" Dia Vs. 12x10 Rectangular) Duct Transition	8	0%	8	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
360	M.0	M.0		(8" Dia Vs. 12x12 Rectangular) Duct Transition	24	0%	24	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
361	M.0	M.0		(8" Dia Vs. 14x10 Rectangular) Duct Transition	2	0%	2	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
362	M.0	M.0		(8" Dia Vs. 14x12 Rectangular) Duct Transition	23	0%	23	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
363	M.0	M.0		(8" Dia Vs. 16x12 Rectangular) Duct Transition	2	0%	2	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
364	M.0	M.0		(8" Dia Vs. 16x14 Rectangular) Duct Transition	12	0%	12	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
365	M.0	M.0		(8" Dia Vs. 18x14 Rectangular) Duct Transition	3	0%	3	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
366	M.0	M.0		(10" Dia Vs. 10x10 Rectangular) Duct Transition	1	0%	1	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
367	M.0	M.0		(10" Dia Vs. 12x8 Rectangular) Duct Transition	7	0%	7	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
368	M.0	M.0		(10" Dia Vs. 12x10 Rectangular) Duct Transition	13	0%	13	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
369	M.0	M.0		(10" Dia Vs. 12x12 Rectangular) Duct Transition	17	0%	17	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
370	M.0	M.0		(10" Dia Vs. 14x12 Rectangular) Duct Transition	10	0%	10	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
371	M.0	M.0		(10" Dia Vs. 14x14 Rectangular) Duct Transition	5	0%	5	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
372	M.0	M.0		(10" Dia Vs. 16x12 Rectangular) Duct Transition	6	0%	6	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
373	M.0	M.0		(10" Dia Vs. 16x14 Rectangular) Duct Transition	9	0%	9	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
374	M.0	M.0		(10" Dia Vs. 18x12 Rectangular) Duct Transition	2	0%	2	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
375	M.0	M.0		(10" Dia Vs. 18x14 Rectangular) Duct Transition	2	0%	2	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
376	M.0	M.0		(10" Dia Vs. 18x18 Rectangular) Duct Transition	1	0%	1	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
377	M.0	M.0		(10" Dia Vs. 26x24 Rectangular) Duct Transition	1	0%	1	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
378	M.0	M.0		(12" Dia Vs. 14x12 Rectangular) Duct Transition	4	0%	4	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
379	M.0	M.0		(12" Dia Vs. 16x14 Rectangular) Duct Transition	2	0%	2	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
380	M.0	M.0		(12" Dia Vs. 20x14 Rectangular) Duct Transition	2	0%	2	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
381	M.0	M.0		(12" Dia Vs. 20x16 Rectangular) Duct Transition	3	0%	3	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
382	M.0	M.0		(12" Dia Vs. 20x20 Rectangular) Duct Transition	1	0%	1	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
383	M.0	M.0		(14" Dia Vs. 12x6 Rectangular) Duct Transition	1	0%	1	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
384	M.0	M.0		(14" Dia Vs. 12x8 Rectangular) Duct Transition	1	0%	1	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
385	M.0	M.0		(14" Dia Vs. 16x14 Rectangular) Duct Transition	2	0%	2	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
386	M.0	M.0		(14" Dia Vs. 20x14 Rectangular) Duct Transition	2	0%	2	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
387	M.0	M.0		(14" Dia Vs. 20x20 Rectangular) Duct Transition	1	0%	1	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
388	M.0	M.0		(18" Dia Vs. 18x12 Rectangular) Duct Transition	2	0%	2	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
389	M.0	M.0		(22" Dia Vs. 18x12 Rectangular) Duct Transition	2	0%	2	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
390	M.0	M.0		(26" Dia Vs. 18x12 Rectangular) Duct Transition	2	0%	2	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
391	M.0	M.0		(28" Dia Vs. 18x12 Rectangular) Duct Transition	2	0%	2	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
392	M.0	M.0		(6x6 Vs. 8x8 Rectangular) Duct Transition	5											

ITEM #	REF. SHEET	DETAIL	CSI SECT	DESCRIPTION	QTY.	WASTAGE	QTY WITH WASTAGE	UNIT	UNIT LABOR HOUR	TOTAL LABOR HOUR	PER HOUR LABOR RATE	TOTAL LABOR COST	UNIT MATERIAL COST	TOTAL MATERIAL COST	TOTAL ITEM COST	TRADE COST
419	M.0	M.0		(12x10 Vs. 16x14 Rectangular) Duct Transition	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
420	M.0	M.0		(12x10 Vs. 16x16 Rectangular) Duct Transition	2	0%	2	EA	\$	-	\$	-	\$	-	\$	-
421	M.0	M.0		(12x10 Vs. 18x16 Rectangular) Duct Transition	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
422	M.0	M.0		(12x10 Vs. 26x20 Rectangular) Duct Transition	2	0%	2	EA	\$	-	\$	-	\$	-	\$	-
423	M.0	M.0		(12x10 Vs. 26x24 Rectangular) Duct Transition	2	0%	2	EA	\$	-	\$	-	\$	-	\$	-
424	M.0	M.0		(12x12 Vs. 12x12 Rectangular) Duct Transition	2	0%	2	EA	\$	-	\$	-	\$	-	\$	-
425	M.0	M.0		(12x12 Vs. 14x12 Rectangular) Duct Transition	2	0%	2	EA	\$	-	\$	-	\$	-	\$	-
426	M.0	M.0		(12x12 Vs. 14x14 Rectangular) Duct Transition	2	0%	2	EA	\$	-	\$	-	\$	-	\$	-
427	M.0	M.0		(12x12 Vs. 16x12 Rectangular) Duct Transition	2	0%	2	EA	\$	-	\$	-	\$	-	\$	-
428	M.0	M.0		(12x12 Vs. 16x14 Rectangular) Duct Transition	5	0%	5	EA	\$	-	\$	-	\$	-	\$	-
429	M.0	M.0		(12x12 Vs. 18x12 Rectangular) Duct Transition	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
430	M.0	M.0		(12x12 Vs. 18x14 Rectangular) Duct Transition	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
431	M.0	M.0		(12x12 Vs. 18x16 Rectangular) Duct Transition	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
432	M.0	M.0		(12x12 Vs. 18x18 Rectangular) Duct Transition	2	0%	2	EA	\$	-	\$	-	\$	-	\$	-
433	M.0	M.0		(14x14 Vs. 16x16 Rectangular) Duct Transition	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
434	M.0	M.0		(14x14 Vs. 18x14 Rectangular) Duct Transition	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
435	M.0	M.0		(14x14 Vs. 18x18 Rectangular) Duct Transition	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
436	M.0	M.0		(16x12 Vs. 14x12 Rectangular) Duct Transition	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
437	M.0	M.0		(16x12 Vs. 18x18 Rectangular) Duct Transition	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
438	M.0	M.0		(16x12 Vs. 22x16 Rectangular) Duct Transition	2	0%	2	EA	\$	-	\$	-	\$	-	\$	-
439	M.0	M.0		(16x14 Vs. 24x16 Rectangular) Duct Transition	2	0%	2	EA	\$	-	\$	-	\$	-	\$	-
440	M.0	M.0		(16x14 Vs. 26x20 Rectangular) Duct Transition	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
441	M.0	M.0		(16x16 Vs. 18x16 Rectangular) Duct Transition	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
442	M.0	M.0		(18x14 Vs. 26x20 Rectangular) Duct Transition	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
443	M.0	M.0		(18x16 Vs. 26x20 Rectangular) Duct Transition	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
444	M.0	M.0		(20x14 Vs. 20x20 Rectangular) Duct Transition	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
445	M.0	M.0		(20x20 Vs. 26x20 Rectangular) Duct Transition	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
446	M.0	M.0		(22x16 Vs. 22x16 Rectangular) Duct Transition	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
447	M.0	M.0		(26x20 Vs. 26x24 Rectangular) Duct Transition	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
448	M.0	M.0		(6x6) Turning Vanes	6	0%	6	EA	\$	-	\$	-	\$	-	\$	-
449	M.0	M.0		(10x10) Turning Vanes	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
450	M.0	M.0		(12x8) Turning Vanes	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
451	M.0	M.0		(12x12) Turning Vanes	5	0%	5	EA	\$	-	\$	-	\$	-	\$	-
452	M.0	M.0		(14x14) Turning Vanes	2	0%	2	EA	\$	-	\$	-	\$	-	\$	-
453	M.0	M.0		(16x12) Turning Vanes	2	0%	2	EA	\$	-	\$	-	\$	-	\$	-
454	M.0	M.0		(22x16) Turning Vanes	2	0%	2	EA	\$	-	\$	-	\$	-	\$	-
455	M.0	M.0		(6x6 Vs. 8x8) Turning Vanes	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
456	M.0	M.0		(6") 45 Degree Dia Elbow	5	0%	5	EA	\$	-	\$	-	\$	-	\$	-
457	M.0	M.0		(8") 45 Degree Dia Elbow	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
458	M.0	M.0		(10") 45 Degree Dia Elbow	3	0%	3	EA	\$	-	\$	-	\$	-	\$	-
459	M.0	M.0		(6") 90 Degree Dia Elbow	14	0%	14	EA	\$	-	\$	-	\$	-	\$	-
460	M.0	M.0		(8") 90 Degree Dia Elbow	29	0%	29	EA	\$	-	\$	-	\$	-	\$	-
461	M.0	M.0		(10") 90 Degree Dia Elbow	14	0%	14	EA	\$	-	\$	-	\$	-	\$	-
462	M.0	M.0		(12") 90 Degree Dia Elbow	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
463	M.0	M.0		(14") 90 Degree Dia Elbow	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
464	M.0	M.0		(22") 90 Degree Dia Elbow	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
465	M.0	M.0		(28") 90 Degree Dia Elbow	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
466	M.0	M.0		(10x10) 45 Degree Square Elbow	2	0%	2	EA	\$	-	\$	-	\$	-	\$	-
467	M.0	M.0		(12x8) 45 Degree Square Elbow	3	0%	3	EA	\$	-	\$	-	\$	-	\$	-
468	M.0	M.0		(12x10) 45 Degree Square Elbow	4	0%	4	EA	\$	-	\$	-	\$	-	\$	-
469	M.0	M.0		(12x12) 45 Degree Square Elbow	2	0%	2	EA	\$	-	\$	-	\$	-	\$	-
470	M.0	M.0		(14x12) 45 Degree Square Elbow	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
471	M.0	M.0		(6x6) 90 Degree Square Elbow	2	0%	2	EA	\$	-	\$	-	\$	-	\$	-
472	M.0	M.0		(8x8) 90 Degree Square Elbow	5	0%	5	EA	\$	-	\$	-	\$	-	\$	-
473	M.0	M.0		(10x8) 90 Degree Square Elbow	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
474	M.0	M.0		(10x10) 90 Degree Square Elbow	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
475	M.0	M.0		(12x10) 90 Degree Square Elbow	2	0%	2	EA	\$	-	\$	-	\$	-	\$	-
476	M.0	M.0		(12x12) 90 Degree Square Elbow	2	0%	2	EA	\$	-	\$	-	\$	-	\$	-
477	M.0	M.0		(14x10) 90 Degree Square Elbow	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
478	M.0	M.0		(14x14) 90 Degree Square Elbow	3	0%	3	EA	\$	-	\$	-	\$	-	\$	-
479	M.0	M.0		(16x12) 90 Degree Square Elbow	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
480	M.0	M.0		(18x14) 90 Degree Square Elbow	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
481	M.0	M.0		(26x24) 90 Degree Square Elbow	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
482	M.0	M.0		(14x12 Vs. 16x14) 90 Degree Square Elbow	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
483	M.0	M.0		Volume Damper	333	0%	333	EA	\$	-	\$	-	\$	-	\$	-
484	M.0	M.0		Thermostat	55	0%	55	EA	\$	-	\$	-	\$	-	\$	-
DIV-26 ELECTRICAL																\$
Site lighting																
485	E1.1	E1.1		AL1 - LED AREA LIGHT - Mfg: CREE - Model: OSQ-X-C-65L-57K7-3M-UL-BZ-BML - 120/277, 384W	3	0%	3	EA	\$	-	\$	-	\$	-	\$	-
486	E1.1	E1.1		P1 - LED AREA LIGHT - Mfg: CREE - Model: OSQ-L-C-40L-57K7-3M-UL-BZ-BML - 120/277, 236W	4	0%	4	EA	\$	-	\$	-	\$	-	\$	-
487	E1.1	E1.1		P2 - LED AREA LIGHT - Mfg: CREE - Model: OSQ-L-C-40L-57K7-3M-UL-BZ-BML - 120/277, 472W	1	0%	1	EA	\$	-	\$	-	\$	-	\$	-
Lighting																
488	E1.1	E1.1		A - LED Flat Panel - Mfg: Cree - Model: C-TR-FP24-50L-40K-WH - 120/277, 41W	9	0%	9	EA	\$	-	\$	-	\$	-	\$	-
489	E1.1	E1.1		AA - Emergency LED Flat Panel Mfg: Cree - Model: C-TR-FP24												

ITEM #	REF. SHEET	DETAIL	CSI SECT	DESCRIPTION	QTY.	WASTAGE	QTY WITH WASTAGE	UNIT	UNIT LABOR HOUR	TOTAL LABOR HOUR	PER HOUR LABOR RATE	TOTAL LABOR COST	UNIT MATERIAL COST	TOTAL MATERIAL COST	TOTAL ITEM COST	TRADE COST
				Switch & Sensor												
534	E1.1	E1.1		Disconnect Switch	18	0%	18	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
535	E1.1	E1.1		Single Pole Switch	2	0%	2	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
536	E1.1	E1.1		O Occupancy Sensor Switch - Mfg: Lutron - Model: MS-B102	3	0%	3	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
537	E1.1	E1.1		ST Timer Programmable Switch Via Bluetooth - Mfg: Leviton - Model: DDS15-BDZ	7	0%	7	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
538	E1.1	E1.1		MDS-A Main Disconnect Switch - 600A,120/208V,3P,4W	1	0%	1	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
539	E1.1	E1.1		MDS-C Main Disconnect Switch - 400A,120/208V,3P,4W	1	0%	1	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
				Communications												
540	E1.1	E1.1		Timer	3	0%	3	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
541	E1.1	E1.1		Speaker	5	0%	5	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
542	E1.1	E1.1		Television outlet	4	0%	4	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
543	E1.1	E1.1		Data Outlet Cat 6 To 8	26	0%	26	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
				Fire Alarm												
544	E1.1	E1.1		Heat Detector	2	0%	2	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
545	E1.1	E1.1		Fire Alarm Pull Station	8	0%	8	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
546	E1.1	E1.1		Fire Alarm Control Panel	1	0%	1	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
547	E1.1	E1.1		Fire Alarm Smoke Detector	2	0%	2	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
548	E1.1	E1.1		Fire Alarm Audible/Visual Signal 360	23	0%	23	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
				Breaker												
549	E1.1	E1.1		40A-2P Circuit Breaker	5	0%	5	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
550	E1.1	E1.1		20A-1P Circuit Breaker	130	0%	130	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
551	E1.1	E1.1		100A-3P Circuit Breaker	2	0%	2	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
552	E1.1	E1.1		15A-3P Circuit Breaker	1	0%	1	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
553	E1.1	E1.1		50A-3P Circuit Breaker	4	0%	4	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
554	E1.1	E1.1		70A-3P Circuit Breaker	2	0%	2	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
555	E1.1	E1.1		20A-2P Circuit Breaker	13	0%	13	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
556	E1.1	E1.1		2A-2P Circuit Breaker	1	0%	1	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
557	E1.1	E1.1		15A-1P Circuit Breaker	20	0%	20	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
558	E1.1	E1.1		30A-3P Circuit Breaker	1	0%	1	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
559	E1.1	E1.1		70A-3P Circuit Breaker	1	0%	1	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
560	E1.1	E1.1		25A-1P Circuit Breaker	1	0%	1	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
561	E1.1	E1.1		20A-3P Circuit Breaker	1	0%	1	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
562	E1.1	E1.1		90A-3P Circuit Breaker	1	0%	1	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
563	E1.1	E1.1		15A-2P Circuit Breaker	4	0%	4	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
564	E1.1	E1.1		30A-1P Circuit Breaker	2	0%	2	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
565	E1.1	E1.1		40A-2P Circuit Breaker	2	0%	2	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
566	E1.1	E1.1		25A-2P Circuit Breaker	2	0%	2	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
567	E1.1	E1.1		30A-2P Circuit Breaker	2	0%	2	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
568	E1.1	E1.1		90A-3P Circuit Breaker	1	0%	1	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
				Panel												
569	E1.1	E1.1		RA Type Wall Mounted Panel - 300A - 208/120V,3PH,4W - Nema1	1	0%	1	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
570	E1.1	E1.1		RA1 Type Wall Mounted Panel - 300A - 208/120V,3PH,4W - Nema1	1	0%	1	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
571	E1.1	E1.1		RB Type Wall Mounted Panel - 225A - 208/120V,3PH,4W - Nema1	1	0%	1	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
572	E1.1	E1.1		RB1 Type Wall Mounted Panel - 400A - 208/120V,3PH,4W - Nema1	1	0%	1	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
573	E1.1	E1.1		RB2 Type Wall Mounted Panel - 225A - 208/120V,3PH,4W - Nema1	1	0%	1	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
574	E1.1	E1.1		RC Type Wall Mounted Panel - 225A - 208/120V,3PH,4W - Nema1	1	0%	1	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
575	E1.1	E1.1		RC1 Type Wall Mounted Panel - 225A - 208/120V,3PH,4W - Nema1	1	0%	1	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
576	E1.1	E1.1		RAG Future Panel - 100A - 208/120V,3PH,4W - Nema1	1	0%	1	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
577	E1.1	E1.1		RAG1 Future Panel - 100A - 208/120V,3PH,4W - Nema1	1	0%	1	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
578	E1.1	E1.1		MD8-B Main Distribution Board - 800A - 208/120V,3PH,4W	1	0%	1	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
579	E1.1	E1.1		Communication Panel By Utility - Details Not Provided	1	0%	1	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
				Meter												
580	E1.1	E1.1		3-PH,4Wire,120/208V,400A Meter	3	0%	3	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
581	E1.1	E1.1		CT Cans - 600A,120/208V,3P,4W	2	0%	2	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
				Transformer												
582	E1.1	E1.1		PU Pad Mount Transformer w/ CTS Provided By PU 120/208V	1	0%	1	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
				Cable & Conduit												
583	E1.1	E1.1		Wire	1316	10%	1,448	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
584	E1.1	E1.1		1" Conduit	972	10%	1,070	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
585	E1.1	E1.1		2-4" Conduits PU Primary	167	10%	183	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
586	E1.1	E1.1		1-500N,1-1/0G,4" Conduit	135	10%	148	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
587	E1.1	E1.1		3-#1,1-#1N,1#6G,2" Conduit	48	10%	52	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
588	E1.1	E1.1		3-250,1-250N,1#2G,3" C Conduit	36	10%	39	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
589	E1.1	E1.1		3-250,1-250N,1#2G,3" C Conduit	118	10%	130	EA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SUB TOTAL															\$ -	\$ -
INSURANCE									3%							\$ -
OVERHEAD AND PROFIT									20%							\$ -
TOTAL BASE BID															\$ -	\$ -