

## Estimate of Materials and Cost of Construction

Date: 09/03/2025

Project:  
Project Location:

SUBMITTED BY:

Sub Contractor's Company  
Street Address  
State address  
Phone  
Email  
Website link

### Summary                          Amount

Subtotal \$	899,670
Profit/Overhead \$	224,918
Total \$	1,124,588

ITEM #	REF. SHEET	DETAIL	CSI SECT	DESCRIPTION	QTY.	WASTAGE	QTY WITH WASTAGE	UNIT	UNIT LABOR COST	TOTAL LABOR COST	UNIT MATERIAL COST	TOTAL MATERIAL COST	ITEM COST	TRADE COST
			DIV-22	PLUMBING									\$	899,670
<b>TESTING ,ADJUSTING &amp; BALANCING</b>														
1				Allowance For Testing,Adjusting & Balancing	1	0%	1	LS	15000.00	\$ 15,000.0	\$ -	\$ -	\$ 15,000	
2				8"x8" Duct	13.5	10%	15	LF	5.000	\$ 75.0	\$ 9.00	\$ 135.0	\$ 210	
3				10"x10" Duct	171.1	10%	189	LF	6.000	\$ 1,134.0	\$ 14.00	\$ 2,646.0	\$ 3,780	
4				12"x12" Duct	201.25	10%	222	LF	6.000	\$ 1,332.0	\$ 18.00	\$ 3,996.0	\$ 5,328	
5				14"x6" Duct	3.52	10%	4	LF	6.000	\$ 24.0	\$ 20.00	\$ 80.0	\$ 104	
6				14"x14" Duct	51.24	10%	57	LF	8.000	\$ 456.0	\$ 18.00	\$ 1,026.0	\$ 1,482	
7				16"x8" Duct	21.02	10%	24	LF	8.000	\$ 192.0	\$ 22.00	\$ 528.0	\$ 720	
8				16"x12" Duct	12.7	10%	14	LF	8.000	\$ 112.0	\$ 22.00	\$ 308.0	\$ 420	
9				16"x16" Duct	89.73	10%	99	LF	8.000	\$ 792.0	\$ 24.00	\$ 2,376.0	\$ 3,168	
10				18"x18" Duct	281.98	10%	311	LF	8.000	\$ 2,488.0	\$ 28.00	\$ 8,708.0	\$ 11,196	
11				20"x12" Duct	26.89	10%	30	LF	8.000	\$ 240.0	\$ 24.00	\$ 720.0	\$ 960	
12				22"x14" Duct	2.22	10%	3	LF	8.000	\$ 24.0	\$ 28.00	\$ 84.0	\$ 108	
13				24"x18" Duct	46.38	10%	52	LF	8.000	\$ 416.0	\$ 30.00	\$ 1,560.0	\$ 1,976	
14				24"x20" Duct	27.5	10%	31	LF	8.000	\$ 248.0	\$ 32.00	\$ 992.0	\$ 1,240	
15				24"x24" Duct	63.47	10%	70	LF	8.000	\$ 560.0	\$ 34.00	\$ 2,380.0	\$ 2,940	
16				26"x18" Duct	11.57	10%	13	LF	10.000	\$ 130.0	\$ 36.00	\$ 468.0	\$ 598	
17				28"x18" Duct	58.71	10%	65	LF	10.000	\$ 650.0	\$ 38.00	\$ 2,470.0	\$ 3,120	
18				28"x24" Duct	41.49	10%	46	LF	10.000	\$ 460.0	\$ 40.00	\$ 1,840.0	\$ 2,300	
19				30"x12" Duct	71.17	10%	79	LF	10.000	\$ 790.0	\$ 32.00	\$ 2,528.0	\$ 3,318	
20				30"x20" Duct	47.81	10%	53	LF	10.000	\$ 530.0	\$ 40.00	\$ 2,120.0	\$ 2,650	
21				32"x24" Duct	13.14	10%	15	LF	10.000	\$ 150.0	\$ 42.00	\$ 630.0	\$ 780	
22				36"x24" Duct	20.43	10%	23	LF	10.000	\$ 230.0	\$ 44.00	\$ 1,012.0	\$ 1,242	
23				38"x24" Duct	6.58	10%	8	LF	10.000	\$ 80.0	\$ 46.00	\$ 368.0	\$ 448	
24				40"x12" Duct	7.04	10%	8	LF	12.000	\$ 96.0	\$ 48.00	\$ 384.0	\$ 480	
25				46"x20" Duct	7.72	10%	9	LF	12.000	\$ 108.0	\$ 50.00	\$ 450.0	\$ 558	
26				48"x16" Duct	12.2	10%	14	LF	12.000	\$ 168.0	\$ 50.00	\$ 700.0	\$ 868	
27				64"x24" Duct	41.57	10%	46	LF	16.000	\$ 736.0	\$ 54.00	\$ 2,484.0	\$ 3,220	
28				10"x10" Duct With Acoustic Lining	113.56	10%	125	LF	8.000	\$ 1,000.0	\$ 16.00	\$ 2,000.0	\$ 3,000	
29				12"x8" Duct With Acoustic Lining	33.12	10%	37	LF	8.000	\$ 296.0	\$ 18.00	\$ 666.0	\$ 962	
30				12"x10" Duct With Acoustic Lining	49.1	10%	55	LF	8.000	\$ 440.0	\$ 20.00	\$ 1,100.0	\$ 1,540	
31				12"x12" Duct With Acoustic Lining	8.82	10%	10	LF	8.000	\$ 80.0	\$ 22.00	\$ 220.0	\$ 300	
32				14"x12" Duct With Acoustic Lining	15.82	10%	18	LF	8.000	\$ 144.0	\$ 24.00	\$ 432.0	\$ 576	
33				14"x14" Duct With Acoustic Lining	49.81	10%	55	LF	8.000	\$ 440.0	\$ 26.00	\$ 1,430.0	\$ 1,870	
34				18"x18" Duct With Acoustic Lining	18.33	10%	21	LF	10.000	\$ 210.0	\$ 28.00	\$ 588.0	\$ 798	
35				24"x18" Duct With Acoustic Lining	30.01	10%	34	LF	10.000	\$ 340.0	\$ 20.00	\$ 680.0	\$ 1,020	
36				24"x24" Duct With Acoustic Lining	65.2	10%	72	LF	10.000	\$ 720.0	\$ 24.00	\$ 1,728.0	\$ 2,448	
37				56"x24" Duct With Acoustic Lining	81.1	10%	90	LF	14.000	\$ 1,260.0	\$ 56.00	\$ 5,040.0	\$ 6,300	
38				66"x22" Duct With Acoustic Lining	53.53	10%	59	LF	14.000	\$ 826.0	\$ 68.00	\$ 4,012.0	\$ 4,838	
39				62"x22" Duct With Acoustic Lining	10.06	10%	12	LF	14.000	\$ 168.0	\$ 62.00	\$ 744.0	\$ 912	
40				4" Dia Duct	132.7	10%	146	LF	6.000	\$ 876.0	\$ 8.00	\$ 1,168.0	\$ 2,044	
41				6" Dia Duct	190.97	10%	211	LF	4.000	\$ 844.0	\$ 6.00	\$ 1,266.0	\$ 2,110	
42				8" Dia Duct	712.85	10%	785	LF	6.000	\$ 4,710.0	\$ 8.00	\$ 6,280.0	\$ 10,990	
43				10" Dia Duct	268.46	10%	296	LF	8.000	\$ 2,368.0	\$ 10.00	\$ 2,960.0	\$ 5,328	
44				12" Dia Duct	291.12	10%	321	LF	10.000	\$ 3,210.0	\$ 12.00	\$ 3,852.0	\$ 7,062	
45				14" Dia Duct	10.54	10%	12	LF	12.000	\$ 144.0	\$ 14.00	\$ 168.0	\$ 312	

ITEM #	REF. SHEET	DETAIL	CSI SECT	DESCRIPTION	QTY.	WASTAGE	QTY WITH WASTAGE	UNIT	UNIT LABOR COST	TOTAL LABOR COST	UNIT MATERIAL COST	TOTAL MATERIAL COST	ITEM COST	TRADE COST	
46				16" Dia Duct	233.59	10%	257	LF	16.000	\$ 4,112.0	\$ 18.00	\$ 4,626.0	\$ 8,738		
47				18" Dia Duct	141.04	10%	156	LF	18.000	\$ 2,808.0	\$ 20.00	\$ 3,120.0	\$ 5,928		
48				8" Flex Duct	211.64	10%	233	LF	5.000	\$ 1,165.0	\$ 7.00	\$ 1,631.0	\$ 2,796		
49				10" Flex Duct	40.09	10%	45	LF	6.000	\$ 270.0	\$ 8.00	\$ 360.0	\$ 630		
50				12" Flex Duct	51.68	10%	57	LF	7.000	\$ 399.0	\$ 9.00	\$ 513.0	\$ 912		
				<b>Fittings</b>											
51				6" Transition	2	0%	2	EA	6.000	\$ 12.0	\$ 8.00	\$ 16.0	\$ 28		
52				8" Transition	40	0%	40	EA	6.000	\$ 240.0	\$ 8.00	\$ 320.0	\$ 560		
53				10" Transition	4	0%	4	EA	6.000	\$ 24.0	\$ 8.00	\$ 32.0	\$ 56		
54				10" Transition	6	0%	6	EA	6.000	\$ 36.0	\$ 8.00	\$ 48.0	\$ 84		
55				12" Transition	10	0%	10	EA	6.000	\$ 60.0	\$ 8.00	\$ 80.0	\$ 140		
56				16" Transition	1	0%	1	EA	6.000	\$ 6.0	\$ 8.00	\$ 8.0	\$ 14		
57				18" Transition	15	0%	15	EA	6.000	\$ 90.0	\$ 8.00	\$ 120.0	\$ 210		
58				10"x10" To 8" Transition	7	0%	7	EA	6.000	\$ 42.0	\$ 8.00	\$ 56.0	\$ 98		
59				22"x6" Duct	4.77	0%	5	EA	6.000	\$ 30.0	\$ 8.00	\$ 40.0	\$ 70		
60				10"x10" Transition With Turning Vanes	17	0%	17	EA	6.000	\$ 102.0	\$ 25.00	\$ 425.0	\$ 527		
61				12"x10" To 8" Transition	12	0%	12	EA	6.000	\$ 72.0	\$ 10.00	\$ 120.0	\$ 192		
62				12"x12" Transition With Turning Vanes	5	0%	5	EA	6.000	\$ 30.0	\$ 25.00	\$ 125.0	\$ 155		
63				12"x10" Transition	2	0%	2	EA	6.000	\$ 12.0	\$ 10.00	\$ 20.0	\$ 32		
64				12" To 6" Transition	4	0%	4	EA	6.000	\$ 24.0	\$ 10.00	\$ 40.0	\$ 64		
65				14"x12" To 8" Transition	8	0%	8	EA	6.000	\$ 48.0	\$ 10.00	\$ 80.0	\$ 128		
66				14"x14" Transition With Turning Vanes	1	0%	1	EA	6.000	\$ 6.0	\$ 35.00	\$ 35.0	\$ 41		
67				14"x14" To 8" Transition	4	0%	4	EA	6.000	\$ 24.0	\$ 10.00	\$ 40.0	\$ 64		
68				18"x18" To 12" Transition	4	0%	4	EA	6.000	\$ 24.0	\$ 10.00	\$ 40.0	\$ 64		
69				16"x16" Transition	2	0%	2	EA	6.000	\$ 12.0	\$ 12.00	\$ 24.0	\$ 36		
70				16"x8" Transition With Turning Vanes	3	0%	3	EA	6.000	\$ 18.0	\$ 12.00	\$ 36.0	\$ 54		
71				18"x18" Transition With Turning Vanes	2	0%	2	EA	6.000	\$ 12.0	\$ 45.00	\$ 90.0	\$ 102		
72				24"x18" Transition	3	0%	3	EA	6.000	\$ 18.0	\$ 45.00	\$ 135.0	\$ 153		
73				20"x12" Transition With Turning Vanes	1	0%	1	EA	6.000	\$ 6.0	\$ 12.00	\$ 12.0	\$ 18		
74				28"x18" Transition	1	0%	1	EA	6.000	\$ 6.0	\$ 50.00	\$ 50.0	\$ 56		
75				32"x12" Transition With Turning Vanes	1	0%	1	EA	6.000	\$ 6.0	\$ 10.00	\$ 10.0	\$ 16		
76				24"x24" Transition With Turning Vanes	2	0%	2	EA	6.000	\$ 12.0	\$ 50.00	\$ 100.0	\$ 112		
77				24"x18" Transition With Turning Vanes	1	0%	1	EA	6.000	\$ 6.0	\$ 50.00	\$ 50.0	\$ 56		
78				24"x18 To 18"x18" Transition	1	0%	1	EA	6.000	\$ 6.0	\$ 12.00	\$ 12.0	\$ 18		
79				56"x24" Transition With Turning Vanes	3	0%	3	EA	6.000	\$ 18.0	\$ 75.00	\$ 225.0	\$ 243		
80				64"x24" Transition	1	0%	1	EA	6.000	\$ 6.0	\$ 50.00	\$ 50.0	\$ 56		
81				64"x24" Transition With Turning Vanes	1	0%	1	EA	6.000	\$ 6.0	\$ 85.00	\$ 85.0	\$ 91		
				<b>DUCT INSULATION</b>											
82				1-1/2" Thick Fiberglass Duct Insulation	13445	10%	14,790	SF	2.000	\$ 29,580.0	\$ 3.50	\$ 51,765.0	\$ 81,345		
				<b>HYDRONIC WATER PIPING COPPER TYPE L</b>											
83				4" Hot Water Supply Pipe	106	10%	117	LF	20.000	\$ 2,340.0	\$ 68.00	\$ 7,956.0	\$ 10,296		
84				4" Hot Water Return Pipe	64	10%	71	LF	20.000	\$ 1,420.0	\$ 68.00	\$ 4,828.0	\$ 6,248		
85				3" Hot Water Supply Pipe	95	10%	105	LF	18.000	\$ 1,890.0	\$ 48.00	\$ 5,040.0	\$ 6,930		
86				3" Hot Water Return Pipe	180	10%	198	LF	18.000	\$ 3,564.0	\$ 48.00	\$ 9,504.0	\$ 13,068		
87				2-1/2" Hot Water Supply Pipe	368	10%	405	LF	16.000	\$ 6,480.0	\$ 42.00	\$ 17,010.0	\$ 23,490		
88				2-1/2" Hot Water Return Pipe	269	10%	297	LF	16.000	\$ 4,752.0	\$ 42.00	\$ 12,474.0	\$ 17,226		
89				2" Hot Water Supply Pipe	329	10%	363	LF	14.000	\$ 5,082.0	\$ 34.00	\$ 12,342.0	\$ 17,424		
90				2" Hot Water Return Pipe	380	10%	418	LF	14.000	\$ 5,852.0	\$ 34.00	\$ 14,212.0	\$ 20,064		
91				1-1/2" Hot Water Supply Pipe	243	10%	268	LF	12.000	\$ 3,216.0	\$ 30.00	\$ 8,040.0	\$ 11,256		
92				1-1/2" Hot Water Return Pipe	299	10%	329	LF	12.000	\$ 3,948.0	\$ 30.00	\$ 9,870.0	\$ 13,818		
93				1" Hot Water Supply Pipe	151	10%	167	LF	8.000	\$ 1,336.0	\$ 14.00	\$ 2,338.0	\$ 3,674		
94				1" Hot Water Return Pipe	231	10%	255	LF	8.000	\$ 2,040.0	\$ 14.00	\$ 3,570.0	\$ 5,610		
95				3/4" Hot Water Supply Pipe	899	10%	989	LF	7.000	\$ 6,923.0	\$ 11.00	\$ 10,879.0	\$ 17,802		
96				3/4" Hot Water Return Pipe	889	10%	978	LF	7.000	\$ 6,846.0	\$ 11.00	\$ 10,758.0	\$ 17,604		
				<b>Fittings</b>											
97				4" Dia Fittings	18	0%	18	EA	10.000	\$ 180.0	\$ 24.00	\$ 432.0	\$ 612		
98				3" Dia Fittings	23	0%	23	EA	10.000	\$ 230.0	\$ 22.00	\$ 506.0	\$ 736		
99				2-1/2" Dia Fittings	55	0%	55	EA	10.000	\$ 550.0	\$ 20.00	\$ 1,100.0	\$ 1,650		
100				2" Dia Fittings	51	0%	51	EA	10.000	\$ 510.0	\$ 14.00	\$ 714.0	\$ 1,224		
101				1-1/2" Dia Fittings	38	0%	38	EA	10.000	\$ 380.0	\$ 12.00	\$ 456.0	\$ 836		
102				1" Dia Fittings	26	0%	26	EA	10.000	\$ 260.0	\$ 12.00	\$ 312.0	\$ 572		
103				3/4" Dia Fittings	154	0%	154	EA	10.000	\$ 1,540.0	\$ 12.00	\$ 1,848.0	\$ 3,388		

ITEM #	REF. SHEET	DETAIL	CSI SECT	DESCRIPTION	QTY.	WASTAGE	QTY WITH WASTAGE	UNIT	UNIT LABOR COST	TOTAL LABOR COST	UNIT MATERIAL COST	TOTAL MATERIAL COST	ITEM COST	TRADE COST
				<b>VALVE</b>										
104				3/4" Ball Valve	2	0%	2	EA	35.000	\$ 70.0	\$ 65.00	\$ 130.0	\$ 200	
105				3/4" Calibrated Balancing Valve	1	0%	1	EA	40.000	\$ 40.0	\$ 85.00	\$ 85.0	\$ 125	
106				1" Ball Valve	1	0%	1	EA	40.000	\$ 40.0	\$ 85.00	\$ 85.0	\$ 125	
107				1-1/2" Ball Valve	6	0%	6	EA	40.000	\$ 240.0	\$ 110.00	\$ 660.0	\$ 900	
108				1-1/2" Calibrated Balancing Valve	1	0%	1	EA	50.000	\$ 50.0	\$ 150.00	\$ 150.0	\$ 200	
109				2-1/2" Ball Valve	13	0%	13	EA	50.000	\$ 650.0	\$ 250.00	\$ 3,250.0	\$ 3,900	
110				2-1/2" Calibrated Balancing Valve	3	0%	3	EA	50.000	\$ 150.0	\$ 300.00	\$ 900.0	\$ 1,050	
111				3" Ball Valve	4	0%	4	EA	50.000	\$ 200.0	\$ 250.00	\$ 1,000.0	\$ 1,200	
112				3" Calibrated Balancing Valve	2	0%	2	EA	50.000	\$ 100.0	\$ 350.00	\$ 700.0	\$ 800	
113				4" Ball Valve	4	0%	4	EA	50.000	\$ 200.0	\$ 350.00	\$ 1,400.0	\$ 1,600	
114				2-1/2" Bypass Valve	1	0%	1	EA	50.000	\$ 50.0	\$ 450.00	\$ 450.0	\$ 500	
				<b>PIPE INSULATION</b>										
115				1-1/2" Fiberglass Insulation With Asj Pipes Less Than 1-1/2"	2171	10%	2,389	LF	1.500	\$ 3,583.5	\$ 3.50	\$ 8,361.5	\$ 11,945	
116				2" Fiberglass Insulation With Asj Pipes Above 1-1/2"	2334	10%	2,568	LF	1.500	\$ 3,852.0	\$ 4.50	\$ 11,556.0	\$ 15,408	
				<b>REFRIGERANT PIPING COPPER ACR</b>										
117				Refrigerant Piping With Insulation Assumed	220	10%	242	LF	7.000	\$ 1,694.0	\$ 11.00	\$ 2,662.0	\$ 4,356	
				<b>DUCT ACCESSORIES</b>										
118				8" Dia Volume Damper	36	0%	36	EA	35.000	\$ 1,260.0	\$ 75.00	\$ 2,700.0	\$ 3,960	
119				10" Dia Volume Damper	22	0%	22	EA	40.000	\$ 880.0	\$ 110.00	\$ 2,420.0	\$ 3,300	
120				12" Dia Volume Damper	10	0%	10	EA	40.000	\$ 400.0	\$ 120.00	\$ 1,200.0	\$ 1,600	
121				16"x8" Volume Damper	13	0%	13	EA	40.000	\$ 520.0	\$ 135.00	\$ 1,755.0	\$ 2,275	
122				16"x16" Volume Damper	2	0%	2	EA	40.000	\$ 80.0	\$ 150.00	\$ 300.0	\$ 380	
123				18"x18" Volume Damper	4	0%	4	EA	40.000	\$ 160.0	\$ 200.00	\$ 800.0	\$ 960	
124				10"x10" Control Damper With Access Door	8	0%	8	EA	40.000	\$ 320.0	\$ 225.00	\$ 1,800.0	\$ 2,120	
125				12"x12" Control Damper With Access Door	4	0%	4	EA	40.000	\$ 160.0	\$ 225.00	\$ 900.0	\$ 1,060	
126				24"x24" Control Damper With Access Door	3	0%	3	EA	40.000	\$ 120.0	\$ 250.00	\$ 750.0	\$ 870	
127				66"x22" Volume Damper	2	0%	2	EA	100.000	\$ 200.0	\$ 850.00	\$ 1,700.0	\$ 1,900	
128				62"x22" Control Damper With Access Door	1	0%	1	EA	100.000	\$ 100.0	\$ 1,200.00	\$ 1,200.0	\$ 1,300	
129				64"x24" Control Damper With Air Measuring Station	1	0%	1	EA	100.000	\$ 100.0	\$ 1,500.00	\$ 1,500.0	\$ 1,600	
130				6" Dia Fire Damper	9	0%	9	EA	10.000	\$ 90.0	\$ 75.00	\$ 675.0	\$ 765	
131				10"x10" Fire Damper	14	0%	14	EA	40.000	\$ 560.0	\$ 100.00	\$ 1,400.0	\$ 1,960	
132				4" Wall Cap	1	0%	1	EA	25.000	\$ 25.0	\$ 35.00	\$ 35.0	\$ 60	
133				4" Roof Cap	10	0%	10	EA	25.000	\$ 250.0	\$ 45.00	\$ 450.0	\$ 700	
134				8" Roof Cap	5	0%	5	EA	30.000	\$ 150.0	\$ 75.00	\$ 375.0	\$ 525	
				<b>HVAC CONTROL</b>										
135				Thermostat	73	0%	73	EA	50.000	\$ 3,650.0	\$ 150.00	\$ 10,950.0	\$ 14,600	
136				Remote Mounted Switch	8	0%	8	EA	50.000	\$ 400.0	\$ 125.00	\$ 1,000.0	\$ 1,400	
137				Static Pressure Sensor	2	0%	2	EA	50.000	\$ 100.0	\$ 150.00	\$ 300.0	\$ 400	
138				Gas Detection Equipment	3	0%	3	EA	100.000	\$ 300.0	\$ 500.00	\$ 1,500.0	\$ 1,800	
139				VEF Control Panel	1	0%	1	EA	100.000	\$ 100.0	\$ 750.00	\$ 750.0	\$ 850	
140				Variable Frequency Drive	3	0%	3	EA	100.000	\$ 300.0	\$ 450.00	\$ 1,350.0	\$ 1,650	
141				Motor Starter	93	0%	93	EA	40.000	\$ 3,720.0	\$ 75.00	\$ 6,975.0	\$ 10,695	
				<b>DIFFUSER,REGISTERS,GRILLES</b>										
142				24x24" Supply Diffuser PRICE # SPD SG1	63	0%	63	EA	40.000	\$ 2,520.0	\$ 85.00	\$ 5,355.0	\$ 7,875	
143				24x24" Supply Diffuser PRICE # SPD SG2	2	0%	2	EA	40.000	\$ 80.0	\$ 85.00	\$ 170.0	\$ 250	
144				24x24" Supply Diffuser PRICE # SPD SG3	8	0%	8	EA	40.000	\$ 320.0	\$ 85.00	\$ 680.0	\$ 1,000	
145				16"x8" Side WallSupply Diffuser PRICE # 520 SG4	3	0%	3	EA	40.000	\$ 120.0	\$ 75.00	\$ 225.0	\$ 345	
146				12"x12" Transfer Air Grille PRICE# 80 TG1	26	0%	26	EA	40.000	\$ 1,040.0	\$ 65.00	\$ 1,690.0	\$ 2,730	
147				22"x22" Transfer Air Grille PRICE# 80 TG2	38	0%	38	EA	40.000	\$ 1,520.0	\$ 85.00	\$ 3,230.0	\$ 4,750	
148				16"x8" Side Wall Transfer Air Grille PRICE# 530 TG3	6	0%	6	EA	40.000	\$ 240.0	\$ 75.00	\$ 450.0	\$ 690	
149				24"x8" Side Wall Transfer Air Grille PRICE# 530 TG4	4	0%	4	EA	40.000	\$ 160.0	\$ 75.00	\$ 300.0	\$ 460	
150				36"x18" Side Wall Transfer Air Grille PRICE# 530 TG5	1	0%	1	EA	40.000	\$ 40.0	\$ 95.00	\$ 95.0	\$ 135	
151				12"x12" Exhaust Air Grille PRICE# 80 EG1	18	0%	18	EA	40.000	\$ 720.0	\$ 65.00	\$ 1,170.0	\$ 1,890	
152				22"x22" Exhaust Air Grille PRICE# 80 EG2	11	0%	11	EA	40.000	\$ 440.0	\$ 85.00	\$ 935.0	\$ 1,375	
153				16"x8" Side Wall Exhaust Air Grille PRICE# 530 EG3	7	0%	7	EA	40.000	\$ 280.0	\$ 75.00	\$ 525.0	\$ 805	
154				24"x8" Side Wall Exhaust Air Grille PRICE# 530 EG4	1	0%	1	EA	40.000	\$ 40.0	\$ 85.00	\$ 85.0	\$ 125	
155				16"x8" Side Wall Return Air Grille PRICE# 530 RG1	1	0%	1	EA	40.000	\$ 40.0	\$ 75.00	\$ 75.0	\$ 115	
				<b>HVAC EQUIPMENTS</b>										
156				AIR HANDLING UNIT 13500 CFM AHU-1 Manf & Model:DAIKIN CAH-030	1	0%	1	EA	\$ 750.0	\$ 750.0	\$ 8,500.00	\$ 8,500.0	\$ 9,250	

ITEM #	REF. SHEET	DETAIL	CSI SECT	DESCRIPTION	QTY.	WASTAGE	QTY WITH WASTAGE	UNIT	UNIT LABOR COST	TOTAL LABOR COST	UNIT MATERIAL COST	TOTAL MATERIAL COST	ITEM COST	TRADE COST
157				ENERGY RECOVERY UNIT 2100CFM ERU-1 <b>Manf &amp; Model:</b> RENEWAIRE HE3XINH	1	0%	1	EA	\$ 100.0	\$ 100.0	\$ 2,500.0	\$ 2,500.0	\$ 2,600	
158				ENERGY RECOVERY UNIT 3800CFM ERU-2 <b>Manf &amp; Model:</b> RENEWAIRE HE6XINH	1	0%	1	EA	\$ 100.0	\$ 100.0	\$ 3,500.0	\$ 3,500.0	\$ 3,600	
159				ENERGY RECOVERY UNIT 3800VFM ERU-3 <b>Manf &amp; Model:</b> RENEWAIRE HE6XINH	1	0%	1	EA	\$ 100.0	\$ 100.0	\$ 3,500.0	\$ 3,500.0	\$ 3,600	
160				ENERGY RECOVERY UNIT 3000CFM ERU-4 <b>Manf &amp; Model:</b> RENEWAIRE HE3XINH	1	0%	1	EA	\$ 100.0	\$ 100.0	\$ 2,700.0	\$ 2,700.0	\$ 2,800	
161				AIR COOLED COMPRESSOR-CONDENSING UNIT 4 TON CCU-1 <b>Manf &amp; Model:</b> DAIKIN DCSA-040	1	0%	1	EA	\$ 500.0	\$ 500.0	\$ 7,500.0	\$ 7,500.0	\$ 8,000	
162				FAN COIL UNITS 19.8MBH FC-1 <b>Manf &amp; Model:</b> DAIKIN FCHH203	1	0%	1	EA	\$ 300.0	\$ 300.0	\$ 5,500.0	\$ 5,500.0	\$ 5,800	
163				SEALED COMBUSTION BOILER 1,500,000BTU B-1 <b>Manf &amp; Model:</b> AERCO BENCHMARK 1500	1	0%	1	EA	\$ 1,000.0	\$ 1,000.0	\$ 15,000.0	\$ 15,000.0	\$ 16,000	
164				SEALED COMBUSTION BOILER 1,500,000BTU B-2 <b>Manf &amp; Model:</b> AERCO BENCHMARK 1500	1	0%	1	EA	\$ 1,000.0	\$ 1,000.0	\$ 1,500.0	\$ 1,500.0	\$ 2,500	
165				PUMP 7.5HP P-1 <b>Manf &amp; Model:</b> B&G SERIES e1532	1	0%	1	EA	\$ 300.0	\$ 300.0	\$ 6,500.0	\$ 6,500.0	\$ 6,800	
166				PUMP 7.5HP P-2 <b>Manf &amp; Model:</b> B&G SERIES e1532	1	0%	1	EA	\$ 300.0	\$ 300.0	\$ 6,500.0	\$ 6,500.0	\$ 6,800	
167				BOOSTER COIL 2100CFM BC-1 <b>Manf &amp; Model:</b> TRANE	1	0%	1	EA	\$ 100.0	\$ 100.0	\$ 750.0	\$ 750.0	\$ 850	
168				BOOSTER COIL 3800CFM BC-2 <b>Manf &amp; Model:</b> TRANE	1	0%	1	EA	\$ 100.0	\$ 100.0	\$ 750.0	\$ 750.0	\$ 850	
169				BOOSTER COIL 3800CFM BC-3 <b>Manf &amp; Model:</b> TRANE	1	0%	1	EA	\$ 100.0	\$ 100.0	\$ 750.0	\$ 750.0	\$ 850	
170				BOOSTER COIL 3000CFM BC-4 <b>Manf &amp; Model:</b> TRANE	1	0%	1	EA	\$ 100.0	\$ 100.0	\$ 750.0	\$ 750.0	\$ 850	
171				EXPANSION TANK 1500LB EXP-1 <b>Manf &amp; Model:</b> B&G SERIES B	1	0%	1	EA	\$ 200.0	\$ 200.0	\$ 4,500.0	\$ 4,500.0	\$ 4,700	
172				GLYCOL FEED SYSTEM 1GPM GFS-1 <b>Manf &amp; Model:</b> AXIOM SF100	1	0%	1	EA	\$ 200.0	\$ 200.0	\$ 1,500.0	\$ 1,500.0	\$ 1,700	
173				MAGNETIC AIR & DIRT SEPARATORS 170GPM MS-1 <b>Manf &amp; Model:</b> CALEFFI NA546M	1	0%	1	EA	\$ 50.0	\$ 50.0	\$ 150.0	\$ 150.0	\$ 200	
174				UNIT HEATER 32.6MBH UH-1 <b>Manf &amp; Model:</b> MODINE HC 63	1	0%	1	EA	\$ 100.0	\$ 100.0	\$ 750.0	\$ 750.0	\$ 850	
175				UNIT HEATER 15.5MBH UH-2 <b>Manf &amp; Model:</b> MODINE HC 33	1	0%	1	EA	\$ 100.0	\$ 100.0	\$ 550.0	\$ 550.0	\$ 650	
176				UNIT HEATER 15.5MBH UH-3 <b>Manf &amp; Model:</b> MODINE HC 33	1	0%	1	EA	\$ 100.0	\$ 100.0	\$ 550.0	\$ 550.0	\$ 650	
177				UNIT HEATER 15.5MBH UH-4 <b>Manf &amp; Model:</b> MODINE HC 33	1	0%	1	EA	\$ 100.0	\$ 100.0	\$ 550.0	\$ 550.0	\$ 650	

ITEM #	REF. SHEET	DETAIL	CSI SECT	DESCRIPTION	QTY.	WASTAGE	QTY WITH WASTAGE	UNIT	UNIT LABOR COST	TOTAL LABOR COST	UNIT MATERIAL COST	TOTAL MATERIAL COST	ITEM COST	TRADE COST
178				UNIT HEATER 15.5MBH UH-5 <b>Manf &amp; Model:</b> MODINE HC 33	1	0%	1	EA	\$ 100.0	\$ 100.0	\$ 550.0	\$ 550.0	\$ 650	
179				UNIT HEATER 22.1MBH UH-6 <b>Manf &amp; Model:</b> MODINE HC 47	1	0%	1	EA	\$ 100.0	\$ 100.0	\$ 600.0	\$ 600.0	\$ 700	
180				UNIT HEATER 22.1MBH UH-7 <b>Manf &amp; Model:</b> MODINE HC 47	1	0%	1	EA	\$ 100.0	\$ 100.0	\$ 600.0	\$ 600.0	\$ 700	
181				UNIT HEATER 32.1MBH UH-8 <b>Manf &amp; Model:</b> MODINE HC 63	1	0%	1	EA	\$ 100.0	\$ 100.0	\$ 750.0	\$ 750.0	\$ 850	
182				UNIT HEATER 15.5MBH UH-9 <b>Manf &amp; Model:</b> MODINE HC 33	1	0%	1	EA	\$ 100.0	\$ 100.0	\$ 550.0	\$ 550.0	\$ 650	
183				CABINET HEATER 33.7MBH CH-1 <b>Manf &amp; Model:</b> RITTLING 04	1	0%	1	EA	\$ 100.0	\$ 100.0	\$ 750.0	\$ 750.0	\$ 850	
184				CABINET HEATER 17.9MBH CH-2 <b>Manf &amp; Model:</b> RITTLING 02	1	0%	1	EA	\$ 100.0	\$ 100.0	\$ 550.0	\$ 550.0	\$ 650	
185				CABINET HEATER 17.9MBH CH-3 <b>Manf &amp; Model:</b> RITTLING 02	1	0%	1	EA	\$ 100.0	\$ 100.0	\$ 550.0	\$ 550.0	\$ 650	
186				CABINET HEATER 17.9MBH CH-4 <b>Manf &amp; Model:</b> RITTLING 02	1	0%	1	EA	\$ 100.0	\$ 100.0	\$ 550.0	\$ 550.0	\$ 650	
187				CABINET HEATER 17.9MBH CH-5 <b>Manf &amp; Model:</b> RITTLING 02	1	0%	1	EA	\$ 100.0	\$ 100.0	\$ 550.0	\$ 550.0	\$ 650	
188				CABINET HEATER 17.9MBH CH-6 <b>Manf &amp; Model:</b> RITTLING 02	1	0%	1	EA	\$ 100.0	\$ 100.0	\$ 550.0	\$ 550.0	\$ 650	
189				CABINET HEATERS 17.9MBH CH-7 <b>Manf &amp; Model:</b> RITTLING 02	1	0%	1	EA	\$ 100.0	\$ 100.0	\$ 550.0	\$ 550.0	\$ 650	
190				ROOF EXHAUSTER 4500CFM RE-1 <b>Manf &amp; Model:</b> GREENHECK CUE-240-VG	1	0%	1	EA	\$ 75.0	\$ 75.0	\$ 1,250.0	\$ 1,250.0	\$ 1,325	
191				ROOF EXHAUSTER 4500CFM RE-2 <b>Manf &amp; Model:</b> GREENHECK CUE-240-VG	1	0%	1	EA	\$ 75.0	\$ 75.0	\$ 1,250.0	\$ 1,250.0	\$ 1,325	
192				ROOF EXHAUSTER 4500CFM RE-3 <b>Manf &amp; Model:</b> GREENHECK CUE-240-VG	1	0%	1	EA	\$ 75.0	\$ 75.0	\$ 1,250.0	\$ 1,250.0	\$ 1,325	
193				ROOF EXHAUSTER 1150CFM RE-4 <b>Manf &amp; Model:</b> GREENHECK CUE-130-VG	1	0%	1	EA	\$ 75.0	\$ 75.0	\$ 1,250.0	\$ 1,250.0	\$ 1,325	
194				ROOF EXHAUSTER 250CFM RE-5 <b>Manf &amp; Model:</b> GREENHECK CUE-080-VG	1	0%	1	EA	\$ 75.0	\$ 75.0	\$ 1,250.0	\$ 1,250.0	\$ 1,325	
195				ROOF EXHAUSTER 1000CFM RE-6 <b>Manf &amp; Model:</b> GREENHECK CUE-140-VG	1	0%	1	EA	\$ 75.0	\$ 75.0	\$ 1,250.0	\$ 1,250.0	\$ 1,325	
196				ROOF EXHAUSTER 250CFM RE-7 <b>Manf &amp; Model:</b> GREENHECK CUE-080-VG	1	0%	1	EA	\$ 75.0	\$ 75.0	\$ 1,250.0	\$ 1,250.0	\$ 1,325	
197				ROOF EXHAUSTER 750CFM RE-8 <b>Manf &amp; Model:</b> GREENHECK CUE-099-VG	1	0%	1	EA	\$ 75.0	\$ 75.0	\$ 1,250.0	\$ 1,250.0	\$ 1,325	
198				ROOF EXHAUSTER 1450CFM RE-9 <b>Manf &amp; Model:</b> GREENHECK CUE-130-VG	1	0%	1	EA	\$ 75.0	\$ 75.0	\$ 1,250.0	\$ 1,250.0	\$ 1,325	

ITEM #	REF. SHEET	DETAIL	CSI SECT	DESCRIPTION	QTY.	WASTAGE	QTY WITH WASTAGE	UNIT	UNIT LABOR COST	TOTAL LABOR COST	UNIT MATERIAL COST	TOTAL MATERIAL COST	ITEM COST	TRADE COST
199				ROOF EXHAUSTER 1000CFM RE-10 <b>Manf &amp; Model:</b> GREENHECK CUE-120-VG	1	0%	1	EA	\$ 75.0	\$ 75.0	\$ 1,250.0	\$ 1,250.0	\$ 1,325	
200				ROOF EXHAUSTER 300CFM RE-11 <b>Manf &amp; Model:</b> GREENHECK CUE-080-VG	1	0%	1	EA	\$ 75.0	\$ 75.0	\$ 1,250.0	\$ 1,250.0	\$ 1,325	
201				ROOF EXHAUSTER 300CFM RE-12 <b>Manf &amp; Model:</b> GREENHECK CUE-080-VG	1	0%	1	EA	\$ 75.0	\$ 75.0	\$ 1,250.0	\$ 1,250.0	\$ 1,325	
202				ROOF EXHAUSTER 300CFM RE-13 <b>Manf &amp; Model:</b> GREENHECK CUE-080-VG	1	0%	1	EA	\$ 75.0	\$ 75.0	\$ 1,250.0	\$ 1,250.0	\$ 1,325	
203				ROOF EXHAUSTER 300CFM RE-14 <b>Manf &amp; Model:</b> GREENHECK CUE-080-VG	1	0%	1	EA	\$ 75.0	\$ 75.0	\$ 1,250.0	\$ 1,250.0	\$ 1,325	
204				ROOF EXHAUSTER 300CFM RE-15 <b>Manf &amp; Model:</b> GREENHECK CUE-080-VG	1	0%	1	EA	\$ 75.0	\$ 75.0	\$ 1,250.0	\$ 1,250.0	\$ 1,325	
205				ROOF EXHAUSTER 300CFM RE-16 <b>Manf &amp; Model:</b> GREENHECK CUE-080-VG	1	0%	1	EA	\$ 75.0	\$ 75.0	\$ 1,250.0	\$ 1,250.0	\$ 1,325	
206				RADIANT FLOOR 40759BTU RF-1 <b>Manf &amp; Model:</b> WATTS	1,275	5%	1,339	SF	\$ 5.0	\$ 6,695.0	\$ 12.0	\$ 16,068.0	\$ 22,763	
207				RADIANT FLOOR 37620BTU RF-2 <b>Manf &amp; Model:</b> WATTS	1,177	5%	1,236	SF	\$ 5.0	\$ 6,180.0	\$ 12.0	\$ 14,832.0	\$ 21,012	
208				RADIANT FLOOR 37984BTU RF-3 <b>Manf &amp; Model:</b> WATTS	1,188	5%	1,248	SF	\$ 5.0	\$ 6,240.0	\$ 12.0	\$ 14,976.0	\$ 21,216	
209				RADIANT FLOOR 37374BTU RF-4 <b>Manf &amp; Model:</b> WATTS	1,169	5%	1,228	SF	\$ 5.0	\$ 6,140.0	\$ 12.0	\$ 14,736.0	\$ 20,876	
210				RADIANT FLOOR 7469BTU RF-5 <b>Manf &amp; Model:</b> WATTS	232	5%	244	SF	\$ 5.0	\$ 1,220.0	\$ 12.0	\$ 2,928.0	\$ 4,148	
211				RADIANT FLOOR 40566BTU RF-6 <b>Manf &amp; Model:</b> WATTS	1,269	5%	1,333	SF	\$ 5.0	\$ 6,665.0	\$ 12.0	\$ 15,996.0	\$ 22,661	
212				RADIANT FLOOR 37202BTU RF-7 <b>Manf &amp; Model:</b> WATTS	1,164	5%	1,223	SF	\$ 5.0	\$ 6,115.0	\$ 12.0	\$ 14,676.0	\$ 20,791	
213				RADIANT FLOOR 37732BTU RF-8 <b>Manf &amp; Model:</b> WATTS	1,180	5%	1,239	SF	\$ 5.0	\$ 6,195.0	\$ 12.0	\$ 14,868.0	\$ 21,063	
214				RADIANT FLOOR 37299BTU RF-9 <b>Manf &amp; Model:</b> WATTS	1,167	5%	1,226	SF	\$ 5.0	\$ 6,130.0	\$ 12.0	\$ 14,712.0	\$ 20,842	
215				KITCHEN EXHAUST HOOD 1000CFM KEH-1 <b>Manf &amp; Model:</b> CAPTIVEAIRE 5424 ND-2	1	0%	1	EA	\$ 50.0	\$ 50.0	\$ 150.0	\$ 150.0	\$ 200	
216				IN-LINE EXHAUST FAN 300CFM IF-1 <b>Manf &amp; Model:</b> FANTECH FG 12XL	1	0%	1	EA	\$ 75.0	\$ 75.0	\$ 1,050.0	\$ 1,050.0	\$ 1,125	
217				IN-LINE EXHAUST FAN 300CFM IF-2 <b>Manf &amp; Model:</b> FANTECH FG 12XL	1	0%	1	EA	\$ 75.0	\$ 75.0	\$ 1,050.0	\$ 1,050.0	\$ 1,125	
218				IN-LINE EXHAUST FAN 300CFM IF-3 <b>Manf &amp; Model:</b> FANTECH FG 12XL	1	0%	1	EA	\$ 75.0	\$ 75.0	\$ 1,050.0	\$ 1,050.0	\$ 1,125	
219				CEILING EXHAUST FAN 150CFM CE-1 <b>Manf &amp; Model:</b> GREENHECK CSP-A250	1	0%	1	EA	\$ 50.0	\$ 50.0	\$ 375.0	\$ 375.0	\$ 425	

ITEM #	REF. SHEET	DETAIL	CSI SECT	DESCRIPTION	QTY.	WASTAGE	QTY WITH WASTAGE	UNIT	UNIT LABOR COST	TOTAL LABOR COST	UNIT MATERIAL COST	TOTAL MATERIAL COST	ITEM COST	TRADE COST
220				CEILING EXHAUST FAN 150CFM CE-2 <b>Manf &amp; Model:</b> GREENHECK CSP-A250	1	0%	1	EA	\$ 50.0	\$ 50.0	\$ 375.0	\$ 375.0	\$ 425	
221				CEILING EXHAUST FAN 250CFM CE-3 <b>Manf &amp; Model:</b> GREENHECK CSP-A250	1	0%	1	EA	\$ 50.0	\$ 50.0	\$ 375.0	\$ 375.0	\$ 425	
222				CEILING EXHAUST FAN 150CFM CE-4 <b>Manf &amp; Model:</b> GREENHECK CSP-A250	1	0%	1	EA	\$ 50.0	\$ 50.0	\$ 375.0	\$ 375.0	\$ 425	
223				CEILING EXHAUST FAN 250CFM CE-5 <b>Manf &amp; Model:</b> GREENHECK CSP-A250	1	0%	1	EA	\$ 100.0	\$ 100.0	\$ 375.0	\$ 375.0	\$ 475	
224				CEILING EXHAUST FAN 250CFM CE-6 <b>Manf &amp; Model:</b> GREENHECK CSP-A250	1	0%	1	EA	\$ 50.0	\$ 50.0	\$ 375.0	\$ 375.0	\$ 425	
225				CEILING EXHAUST FAN 150CFM CE-7 <b>Manf &amp; Model:</b> GREENHECK CSP-A250	1	0%	1	EA	\$ 100.0	\$ 100.0	\$ 375.0	\$ 375.0	\$ 475	
226				CEILING EXHAUST FAN 125CFM CE-8 <b>Manf &amp; Model:</b> GREENHECK CSP-A250	1	0%	1	EA	\$ 50.0	\$ 50.0	\$ 375.0	\$ 375.0	\$ 425	
227				CEILING EXHAUST FAN 250CFM CE-9 <b>Manf &amp; Model:</b> GREENHECK CSP-A250	1	0%	1	EA	\$ 50.0	\$ 50.0	\$ 375.0	\$ 375.0	\$ 425	
228				WEATHERPROOF HOOD 13500CFM WPH-1 <b>Manf &amp; Model:</b> COOK	1	0%	1	EA	\$ 75.0	\$ 75.0	\$ 750.0	\$ 750.0	\$ 825	
229				WEATHERPROOF HOOD 3800CFM WPH-2 <b>Manf &amp; Model:</b> COOK	1	0%	1	EA	\$ 50.0	\$ 50.0	\$ 600.0	\$ 600.0	\$ 650	
230				WEATHERPROOF HOOD 4200CFM WPH-3 <b>Manf &amp; Model:</b> COOK	1	0%	1	EA	\$ 100.0	\$ 100.0	\$ 600.0	\$ 600.0	\$ 700	
231				WEATHERPROOF HOOD 3800CFM WPH-4 <b>Manf &amp; Model:</b> COOK	1	0%	1	EA	\$ 50.0	\$ 50.0	\$ 600.0	\$ 600.0	\$ 650	
232				WEATHERPROOF HOOD 4200CFM WPH-5 <b>Manf &amp; Model:</b> COOK	1	0%	1	EA	\$ 100.0	\$ 100.0	\$ 600.0	\$ 600.0	\$ 700	
233				WEATHERPROOF HOOD 3400CFM WPH-6 <b>Manf &amp; Model:</b> COOK	1	0%	1	EA	\$ 50.0	\$ 50.0	\$ 550.0	\$ 550.0	\$ 600	
234				WEATHERPROOF HOOD 3400CFM WPH-7 <b>Manf &amp; Model:</b> COOK	1	0%	1	EA	\$ 50.0	\$ 50.0	\$ 550.0	\$ 550.0	\$ 600	
235				ROOM AIR CONDITIONING UNITS - WITH HEAT PUMP 530CFM RAC-1 <b>Manf &amp; Model:</b> MITSUBISHI PK	1	0%	1	EA	\$ 300.0	\$ 300.0	\$ 2,500.0	\$ 2,500.0	\$ 2,800	
236				IN-LINE PUMP 4.4GPM IP-1 <b>Manf &amp; Model:</b> B&G PL-36	1	0%	1	EA	\$ 75.0	\$ 75.0	\$ 750.0	\$ 750.0	\$ 825	
237				IN-LINE PUMP 4GPM IP-2 <b>Manf &amp; Model:</b> B&G PL-36	1	0%	1	EA	\$ 75.0	\$ 75.0	\$ 750.0	\$ 750.0	\$ 825	
238				IN-LINE PUMP 4.1GPM IP-3 <b>Manf &amp; Model:</b> B&G PL-36	1	0%	1	EA	\$ 75.0	\$ 75.0	\$ 750.0	\$ 750.0	\$ 825	
239				IN-LINE PUMP 4GPM IP-4 <b>Manf &amp; Model:</b> B&G PL-36	1	0%	1	EA	\$ 75.0	\$ 75.0	\$ 750.0	\$ 750.0	\$ 825	
240				IN-LINE PUMP 0.8GPM IP-5 <b>Manf &amp; Model:</b> B&G PL-36	1	0%	1	EA	\$ 75.0	\$ 75.0	\$ 500.0	\$ 500.0	\$ 575	

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241				IN-LINE PUMP 4.3GPM IP-6 Manf & Model: B&G PL-36	1	0%	1	EA	\$ 75.0	\$ 75.0	\$ 750.0	\$ 750.0	\$ 825	
242				IN-LINE PUMP 4GPM IP-7 Manf & Model: B&G PL-36	1	0%	1	EA	\$ 75.0	\$ 75.0	\$ 750.0	\$ 750.0	\$ 825	
243				IN-LINE PUMPS 4GPM IP-8 Manf & Model: B&G PL-36	1	0%	1	EA	\$ 75.0	\$ 75.0	\$ 750.0	\$ 750.0	\$ 825	
244				IN-LINE PUMP 4GPM IP-9 Manf & Model: B&G PL-36	1	0%	1	EA	\$ 75.0	\$ 75.0	\$ 750.0	\$ 750.0	\$ 825	
245				CONVECTOR 5.3MBH C-1 Manf & Model: RITTLING WL	1	0%	1	EA	\$ 75.0	\$ 75.0	\$ 350.0	\$ 350.0	\$ 425	
246				CONVECTOR 3.8MBH C-2 Manf & Model: RITTLING WL	1	0%	1	EA	\$ 75.0	\$ 75.0	\$ 300.0	\$ 300.0	\$ 375	
247				CONVECTOR 5.3MBH C-3 Manf & Model: RITTLING WL	1	0%	1	EA	\$ 75.0	\$ 75.0	\$ 300.0	\$ 300.0	\$ 375	
248				CONVECTOR 3.8MBH C-4 Manf & Model: RITTLING WL	1	0%	1	EA	\$ 75.0	\$ 75.0	\$ 300.0	\$ 300.0	\$ 375	
249				CONVECTOR 3.8MBH C-5 Manf & Model: RITTLING WL	1	0%	1	EA	\$ 75.0	\$ 75.0	\$ 300.0	\$ 300.0	\$ 375	
250				CONVECTOR 5.3MBH C-6 Manf & Model:RITTLING WL	1	0%	1	EA	\$ 75.0	\$ 75.0	\$ 350.0	\$ 350.0	\$ 425	
251				CONVECTOR 5.3MBH C-7 Manf & Model: RITTLING WL	1	0%	1	EA	\$ 75.0	\$ 75.0	\$ 350.0	\$ 350.0	\$ 425	
252				CONVECTOR 3.8MBH C-8 Manf & Model: RITTLING WL	1	0%	1	EA	\$ 75.0	\$ 75.0	\$ 300.0	\$ 300.0	\$ 375	
253				CONVECTOR 5.3MBH C-9 Manf & Model:RITTLING WL	1	0%	1	EA	\$ 75.0	\$ 75.0	\$ 350.0	\$ 350.0	\$ 425	
254				DESTRATIFICATION FAN 6713CFM DS-1 Manf & Model: BAF HAIKU	1	0%	1	EA	\$ 50.0	\$ 50.0	\$ 950.0	\$ 950.0	\$ 1,000	
255				DESTRATIFICATION FAN 2629CFM DS-2 Manf & Model: BAF HAIKU	1	0%	1	EA	\$ 50.0	\$ 50.0	\$ 750.0	\$ 750.0	\$ 800	
256				DESTRATIFICATION FAN 2629CFM DS-3 Manf & Model: BAF HAIKU	1	0%	1	EA	\$ 50.0	\$ 50.0	\$ 750.0	\$ 750.0	\$ 800	
257				DESTRATIFICATION FAN 2629CFM DS-4 Manf & Model: BAF HAIKU	1	0%	1	EA	\$ 50.0	\$ 50.0	\$ 750.0	\$ 750.0	\$ 800	
258				DESTRATIFICATION FAN 2629CFM DS-5 Manf & Model: BAF HAIKU	1	0%	1	EA	\$ 50.0	\$ 50.0	\$ 750.0	\$ 750.0	\$ 800	
259				DESTRATIFICATION FANS 6090CFM DS-6 Manf & Model:QMARK	1	0%	1	EA	\$ 50.0	\$ 50.0	\$ 750.0	\$ 750.0	\$ 800	
260				DESTRATIFICATION FANS 6090CFM DS-7 Manf & Model:QMARK	1	0%	1	EA	\$ 50.0	\$ 50.0	\$ 750.0	\$ 750.0	\$ 800	
261				DESTRATIFICATION FAN 6090CFM DS-8 Manf & Model:QMARK	1	0%	1	EA	\$ 50.0	\$ 50.0	\$ 750.0	\$ 750.0	\$ 800	

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262				DESTRATIFICATION FAN 3861CFM DS-9 <b>Manf &amp; Model:</b> QMMARK	1	0%	1	EA	\$ 50.0	\$ 50.0	\$ 750.0	\$ 750.0	\$ 800	
263				DESTRATIFICATION FAN 3861CFM DS-10 <b>Manf &amp; Model:</b> QMMARK	1	0%	1	EA	\$ 50.0	\$ 50.0	\$ 750.0	\$ 750.0	\$ 800	
264				DESTRATIFICATION FAN 3861CFM DS-11 <b>Manf &amp; Model:</b> QMMARK	1	0%	1	EA	\$ 50.0	\$ 50.0	\$ 750.0	\$ 750.0	\$ 800	
265				DESTRATIFICATION FAN 3861CFM DS-12 <b>Manf &amp; Model:</b> QMMARK	1	0%	1	EA	\$ 50.0	\$ 50.0	\$ 750.0	\$ 750.0	\$ 800	
266				DESTRATIFICATION FAN 6090CFM DS-13 <b>Manf &amp; Model:</b> QMMARK	1	0%	1	EA	\$ 50.0	\$ 50.0	\$ 950.0	\$ 950.0	\$ 1,000	
267				DESTRATIFICATION FAN 6090CFM DS-14 <b>Manf &amp; Model:</b> QMMARK	1	0%	1	EA	\$ 50.0	\$ 50.0	\$ 950.0	\$ 950.0	\$ 1,000	
268				DESTRATIFICATION FAN 6090CFM DS-15 <b>Manf &amp; Model:</b> QMMARK	1	0%	1	EA	\$ 50.0	\$ 50.0	\$ 950.0	\$ 950.0	\$ 1,000	
269				DESTRATIFICATION FAN 6090CFM DS-16 <b>Manf &amp; Model:</b> QMMARK	1	0%	1	EA	\$ 50.0	\$ 50.0	\$ 950.0	\$ 950.0	\$ 1,000	
270				DESTRATIFICATION FAN 6090CFM DS-17 <b>Manf &amp; Model:</b> QMMARK	1	0%	1	EA	\$ 50.0	\$ 50.0	\$ 950.0	\$ 950.0	\$ 1,000	
271				DESTRATIFICATION FAN 6090CFM DS-18 <b>Manf &amp; Model:</b> QMMARK	1	0%	1	EA	\$ 50.0	\$ 50.0	\$ 950.0	\$ 950.0	\$ 1,000	
272				DESTRATIFICATION FAN 6090CFM DS-19 <b>Manf &amp; Model:</b> QMMARK	1	0%	1	EA	\$ 50.0	\$ 50.0	\$ 950.0	\$ 950.0	\$ 1,000	
273				DESTRATIFICATION FAN 6090CFM DS-20 <b>Manf &amp; Model:</b> QMMARK	1	0%	1	EA	\$ 50.0	\$ 50.0	\$ 950.0	\$ 950.0	\$ 1,000	
274				DESTRATIFICATION FAN 6090CFM DS-21 <b>Manf &amp; Model:</b> QMMARK	1	0%	1	EA	\$ 50.0	\$ 50.0	\$ 950.0	\$ 950.0	\$ 1,000	
275				DESTRATIFICATION FAN 6090CFM DS-22 <b>Manf &amp; Model:</b> QMMARK	1	0%	1	EA	\$ 50.0	\$ 50.0	\$ 950.0	\$ 950.0	\$ 1,000	
276				DESTRATIFICATION FAN 6090CFM DS-23 <b>Manf &amp; Model:</b> QMMARK	1	0%	1	EA	\$ 50.0	\$ 50.0	\$ 950.0	\$ 950.0	\$ 1,000	
277				DESTRATIFICATION FAN 6090CFM DS-24 <b>Manf &amp; Model:</b> QMMARK	1	0%	1	EA	\$ 50.0	\$ 50.0	\$ 950.0	\$ 950.0	\$ 1,000	
278				DESTRATIFICATION FAN 6090CFM DS-25 <b>Manf &amp; Model:</b> QMMARK	1	0%	1	EA	\$ 50.0	\$ 50.0	\$ 950.0	\$ 950.0	\$ 1,000	
279				DESTRATIFICATION FAN 6090CFM DS-26 <b>Manf &amp; Model:</b> QMMARK	1	0%	1	EA	\$ 50.0	\$ 50.0	\$ 950.0	\$ 950.0	\$ 1,000	
280				VEHICLE EXTRACTION HOSE REEL AND FAN 4000CFM VEF-2 <b>Manf &amp; Model:</b> PLYMOVENT TEV-745	1	0%	1	EA	\$ 100.0	\$ 100.0	\$ 2,500.0	\$ 2,500.0	\$ 2,600	
281				WEATHERPROOF LOUVER 2400CFM L-1 <b>Manf &amp; Model:</b> RUSKIN ELF6375DX	1	0%	1	EA	\$ 50.0	\$ 50.0	\$ 550.0	\$ 550.0	\$ 600	
282				WEATHERPROOF LOUVER 2100CFM L-2 <b>Manf &amp; Model:</b> RUSKIN ELF6375DX	1	0%	1	EA	\$ 50.0	\$ 50.0	\$ 550.0	\$ 550.0	\$ 600	

ITEM #	REF. SHEET	DETAIL	CSI SECT	DESCRIPTION	QTY.	WASTAGE	QTY WITH WASTAGE	UNIT	UNIT LABOR COST	TOTAL LABOR COST	UNIT MATERIAL COST	TOTAL MATERIAL COST	ITEM COST	TRADE COST
283				WEATHERPROOF LOUVER 2700CFM L-3 <b>Manf &amp; Model:</b> RUSKIN ELF6375DX	1	0%	1	EA	\$ 50.0	\$ 50.0	\$ 550.0	\$ 550.0	\$ 600	
284				INFRARED HEATER 100MBH IH-1 <b>Manf &amp; Model:</b> REZNOR VPT	1	0%	1	EA	\$ 200.0	\$ 200.0	\$ 1,450.0	\$ 1,450.0	\$ 1,650	
285				INFRARED HEATER 100MBH IH-2 <b>Manf &amp; Model:</b> REZNOR VPT	1	0%	1	EA	\$ 200.0	\$ 200.0	\$ 1,450.0	\$ 1,450.0	\$ 1,650	
286				INFRARED HEATER 150MBH IH-3 <b>Manf &amp; Model:</b> REZNOR VPT	1	0%	1	EA	\$ 200.0	\$ 200.0	\$ 1,450.0	\$ 1,450.0	\$ 1,650	
287				VARIABLE AIR VOLUME BOX 630CFM V-1 <b>Manf &amp; Model:</b> PRICE SDV	1	0%	1	EA	\$ 75.0	\$ 75.0	\$ 450.0	\$ 450.0	\$ 525	
288				VARIABLE AIR VOLUME BOX 530CFM V-2 <b>Manf &amp; Model:</b> PRICE SDV	1	0%	1	EA	\$ 75.0	\$ 75.0	\$ 350.0	\$ 350.0	\$ 425	
289				VARIABLE AIR VOLUME BOX 210CFM V-3 <b>Manf &amp; Model:</b> PRICE SDV	1	0%	1	EA	\$ 75.0	\$ 75.0	\$ 200.0	\$ 200.0	\$ 275	
290				VARIABLE AIR VOLUME BOX 680CFM V-4 <b>Manf &amp; Model:</b> PRICE SDV	1	0%	1	EA	\$ 75.0	\$ 75.0	\$ 450.0	\$ 450.0	\$ 525	
291				VARIABLE AIR VOLUME BOX 200CFM V-5 <b>Manf &amp; Model:</b> PRICE SDV	1	0%	1	EA	\$ 75.0	\$ 75.0	\$ 200.0	\$ 200.0	\$ 275	
292				VARIABLE AIR VOLUME BOX 200CFM V-6 <b>Manf &amp; Model:</b> PRICE SDV	1	0%	1	EA	\$ 75.0	\$ 75.0	\$ 200.0	\$ 200.0	\$ 275	
293				VARIABLE AIR VOLUME BOX 540CFM V-7 <b>Manf &amp; Model:</b> PRICE SDV	1	0%	1	EA	\$ 75.0	\$ 75.0	\$ 350.0	\$ 350.0	\$ 425	
294				VARIABLE AIR VOLUME BOX 500CFM V-8 <b>Manf &amp; Model:</b> PRICE SDV	1	0%	1	EA	\$ 75.0	\$ 75.0	\$ 350.0	\$ 350.0	\$ 425	
295				VARIABLE AIR VOLUME BOX 940CFM V-9 <b>Manf &amp; Model:</b> PRICE SDV	1	0%	1	EA	\$ 75.0	\$ 75.0	\$ 750.0	\$ 750.0	\$ 825	
296				VARIABLE AIR VOLUME BOX 190CFM V-10 <b>Manf &amp; Model:</b> PRICE SDV	1	0%	1	EA	\$ 75.0	\$ 75.0	\$ 150.0	\$ 150.0	\$ 225	
297				VARIABLE AIR VOLUME BOX 120CFM V-11 <b>Manf &amp; Model:</b> PRICE SDV	1	0%	1	EA	\$ 75.0	\$ 75.0	\$ 150.0	\$ 150.0	\$ 225	
298				VARIABLE AIR VOLUME BOX 120CFM V-12 <b>Manf &amp; Model:</b> PRICE SDV	1	0%	1	EA	\$ 75.0	\$ 75.0	\$ 150.0	\$ 150.0	\$ 225	
299				VARIABLE AIR VOLUME BOX 120CFM V-13 <b>Manf &amp; Model:</b> PRICE SDV	1	0%	1	EA	\$ 75.0	\$ 75.0	\$ 150.0	\$ 150.0	\$ 225	
300				VARIABLE AIR VOLUME BOXES 120CFM V-14 <b>Manf &amp; Model:</b> PRICE SDV	1	0%	1	EA	\$ 75.0	\$ 75.0	\$ 150.0	\$ 150.0	\$ 225	
301				VARIABLE AIR VOLUME BOXES 3600CFM V-15 <b>Manf &amp; Model:</b> PRICE SDV	1	0%	1	EA	\$ 75.0	\$ 75.0	\$ 1,200.0	\$ 1,200.0	\$ 1,275	
302				VARIABLE AIR VOLUME BOX 200CFM V-16 <b>Manf &amp; Model:</b> PRICE SDV	1	0%	1	EA	\$ 75.0	\$ 75.0	\$ 200.0	\$ 200.0	\$ 275	
303				VARIABLE AIR VOLUME BOX 130CFM V-17 <b>Manf &amp; Model:</b> PRICE SDV	1	0%	1	EA	\$ 75.0	\$ 75.0	\$ 150.0	\$ 150.0	\$ 225	

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304				VARIABLE AIR VOLUME BOX 630CFM V-18 <b>Manf &amp; Model:</b> PRICE SDV	1	0%	1	EA	\$ 75.0	\$ 75.0	\$ 450.0	\$ 450.0	\$ 525	
305				VARIABLE AIR VOLUME BOX 110CFM V-19 <b>Manf &amp; Model:</b> PRICE SDV9	1	0%	1	EA	\$ 75.0	\$ 75.0	\$ 150.0	\$ 150.0	\$ 225	
306				VARIABLE AIR VOLUME BOX 200CFM V-20 <b>Manf &amp; Model:</b> PRICE SDV	1	0%	1	EA	\$ 75.0	\$ 75.0	\$ 200.0	\$ 200.0	\$ 275	
307				VARIABLE AIR VOLUME BOX 200CFM V-21 <b>Manf &amp; Model:</b> PRICE SDV	1	0%	1	EA	\$ 75.0	\$ 75.0	\$ 200.0	\$ 200.0	\$ 275	
308				VARIABLE AIR VOLUME BOX 200CFM V-22 <b>Manf &amp; Model:</b> PRICE SDV	1	0%	1	EA	\$ 75.0	\$ 75.0	\$ 200.0	\$ 200.0	\$ 275	
309				VARIABLE AIR VOLUME BOX 440CFM V-23 <b>Manf &amp; Model:</b> PRICE SDV	1	0%	1	EA	\$ 75.0	\$ 75.0	\$ 350.0	\$ 350.0	\$ 425	
310				VARIABLE AIR VOLUME BOX 200CFM V-24 <b>Manf &amp; Model:</b> PRICE SDV	1	0%	1	EA	\$ 75.0	\$ 75.0	\$ 200.0	\$ 200.0	\$ 275	
311				VARIABLE AIR VOLUME BOX 200CFM V-25 <b>Manf &amp; Model:</b> PRICE SDV	1	0%	1	EA	\$ 75.0	\$ 75.0	\$ 200.0	\$ 200.0	\$ 275	
312				VARIABLE AIR VOLUME BOX 200CFM V-26 <b>Manf &amp; Model:</b> PRICE SDV	1	0%	1	EA	\$ 75.0	\$ 75.0	\$ 200.0	\$ 200.0	\$ 275	
313				VARIABLE AIR VOLUME BOX 400CFM V-27 <b>Manf &amp; Model:</b> PRICE SDV	1	0%	1	EA	\$ 75.0	\$ 75.0	\$ 300.0	\$ 300.0	\$ 375	
314				VARIABLE AIR VOLUME BOX 2100CFM V-28 <b>Manf &amp; Model:</b> PRICE SDV	1	0%	1	EA	\$ 75.0	\$ 75.0	\$ 950.0	\$ 950.0	\$ 1,025	
315				VARIABLE AIR VOLUME BOX 530CFM V-29 <b>Manf &amp; Model:</b> PRICE SDV	1	0%	1	EA	\$ 75.0	\$ 75.0	\$ 350.0	\$ 350.0	\$ 425	
316				VARIABLE AIR VOLUME BOX 100CFM V-30 <b>Manf &amp; Model:</b> PRICE SDV	1	0%	1	EA	\$ 75.0	\$ 75.0	\$ 150.0	\$ 150.0	\$ 225	
317				VARIABLE AIR VOLUME BOXES 100CFM V-31 <b>Manf &amp; Model:</b> PRICE SDV	1	0%	1	EA	\$ 75.0	\$ 75.0	\$ 150.0	\$ 150.0	\$ 225	
318				VARIABLE AIR VOLUME BOXES 100CFM V-32 <b>Manf &amp; Model:</b> PRICE SDV	1	0%	1	EA	\$ 75.0	\$ 75.0	\$ 150.0	\$ 150.0	\$ 225	
319				VARIABLE AIR VOLUME BOX 100CFM V-33 <b>Manf &amp; Model:</b> PRICE SDV	1	0%	1	EA	\$ 75.0	\$ 75.0	\$ 150.0	\$ 150.0	\$ 225	
320				VARIABLE AIR VOLUME BOX 1080CFM V-34 <b>Manf &amp; Model:</b> PRICE SDV	1	0%	1	EA	\$ 75.0	\$ 75.0	\$ 750.0	\$ 750.0	\$ 825	
321				VARIABLE AIR VOLUME BOX 1180CFM V-35 <b>Manf &amp; Model:</b> PRICE SDV	1	0%	1	EA	\$ 75.0	\$ 75.0	\$ 750.0	\$ 750.0	\$ 825	
322				VARIABLE AIR VOLUME BOX 320CFM V-36 <b>Manf &amp; Model:</b> PRICE SDV	1	0%	1	EA	\$ 75.0	\$ 75.0	\$ 250.0	\$ 250.0	\$ 325	
323				VARIABLE AIR VOLUME BOX 130CFM V-37 <b>Manf &amp; Model:</b> PRICE SDV	1	0%	1	EA	\$ 75.0	\$ 75.0	\$ 150.0	\$ 150.0	\$ 225	
324				VARIABLE AIR VOLUME BOX 130CFM V-38 <b>Manf &amp; Model:</b> PRICE SDV	1	0%	1	EA	\$ 75.0	\$ 75.0	\$ 150.0	\$ 150.0	\$ 225	

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325				VARIABLE AIR VOLUME BOX 860CFM V-39 Manf & Model: PRICE SDV	1	0%	1	EA	\$ 75.0	\$ 75.0	\$ 550.0	\$ 550.0	\$ 625	
326				VARIABLE AIR VOLUME BOX 100CFM V-40 Manf & Model: PRICE SDV	1	0%	1	EA	\$ 75.0	\$ 75.0	\$ 150.0	\$ 150.0	\$ 225	
<b>SUB TOTAL</b>								Total Lab. Cost =	\$ 244,289	Total Mat. Cost =	\$ 655,382	\$ 899,670	\$ 899,670	
<b>INSURANCE</b>									0%			\$ -	\$ -	
<b>OVERHEAD AND PROFIT</b>									25%			\$ 224,918	\$ 224,918	
<b>TOTAL BASE BID</b>												\$ 1,124,588	\$ 1,124,588	

**General Notes:** The prices used while preparing the estimate were taken from RSMeans online i.e. the standard pricing & the company is not responsible for any kind of variations in the prices. So, it is preferred to review the prices.

#### Note

- 1 The drawings are scaled as per the mentioned scales on the plans.
- 2 The prices used are standard prices, unless otherwise noted.

#### Legend

- F.C = Waste or diff. factor
- sf = square feet
- lf = linear feet
- ea = each
- cy = cubic yard
- sy = square yard
- loc = location
- ls = lump sum

#### Exclusions

- 1 Union Wages