

MATERIAL TAKEOFF AND COST ESTIMATE STATEMENT							
 M-TECH ESTIMATING Modern Tech drafting & Estimation Solutions	Date: 23/08/2023	PROJECT NAME:	Single Trade Estimate – Mechanical				
	Web: www.mtechestimating.com	LOCATION:	Project Name and Address removed for privacy!				
	E-mail: info@mtechestimating.com	MTE ID:	M23-2020-AG		TOTAL TRADES AMOUNT	\$ 1,766,754	
	<u>Scope: Mechanical/HVAC</u>	Area Summary (GSF)	48525		TOTAL BASE BID	\$ 2,243,778	
DIVISION WISE SUMMARY							
		CSI DIVISIONS	Total material cost	Total labor cost	Total cost	Cost/SF	
1		01 - General Conditions	\$ -	\$ -	\$ 34,000	0.70	
2		23 - HVAC	\$ 980,246	\$ 752,509	\$ 1,732,754	35.71	
		Total Trade Cost	\$ 980,246	\$ 752,509	\$ 1,766,754	36.41	
NOTES FOR CLIENTS							
1. This estimate is based on real market prices that are regularly updated by our team persons through market surveys and online resources, we still encourage our clients to put their own. 2. This sheet is your property and we encourage you to fine tune the wastage and pricing values to your preference. 3. Feel free to contact us for any queries or suggestions.					TOTAL TRADES AMOUNT		\$ 1,766,754
					OVERHEAD	7%	\$ 123,673
					PROFIT	15%	\$ 265,013
					INSURANCE	3%	\$ 53,003
					CONTINGENCY	2%	\$ 35,335
					TOTAL BASE BID		\$ 2,243,778

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 Date: 23/08/2023 Web: www.mtechestimating.com E-mail: info@mtechestimating.com			PROJECT NAME:		Single Trade Estimate – Mechanical									
			LOCATION:		Project Name and Address removed for privacy!									
			MTE ID:		M23-2020-AG									
Sr #	REFERENCE	DESCRIPTION	QUANTITY	WASTE	TOTAL QTY	UNIT	COST/UNIT	MATERIAL TOTAL	UNIT HOURS	TOTAL MANHOUR	LABOR RATE	TOTAL LABOR	TOTAL COST	TRADE COST
DIV. 01 GENERAL CONDITIONS														
GENERAL REQUIREMENTS														
1		Mobilization	1	0%	1	LS	\$ -	\$ -	0.000	0.00	\$ -	\$ -	\$ 10,000	
2		Supervision	1	0%	1	LS	\$ -	\$ -	0.000	0.00	\$ -	\$ -	\$ 2,500	
3		Safety requirements	1	0%	1	LS	\$ -	\$ -	0.000	0.00	\$ -	\$ -	\$ 3,000	
4		Office overheads	1	0%	1	LS	\$ -	\$ -	0.000	0.00	\$ -	\$ -	\$ 3,000	
5		Project Closeouts	1	0%	1	LS	\$ -	\$ -	0.000	0.00	\$ -	\$ -	\$ 5,000	
6		Submital and approval	1	0%	1	LS	\$ -	\$ -	0.000	0.00	\$ -	\$ -	\$ 4,500	
7		Temporary Facilities and Controls	1	0%	1	LS	\$ -	\$ -	0.000	0.00	\$ -	\$ -	\$ 6,000	
Subtotal (General conditions)								Total mat. cost:	\$ -		To Labor	\$ -		\$ 34,000
DIV. 23 HEATING VENTILATING & AIR CONDITIONING (HVAC)														
DUCT WORK														
8		8" Dia. Duct	2984	5%	3134	LF	\$ 7.67	\$ 24,038.09	0.178	559.03	\$ 100	\$ 55,903	\$ 79,941	
9		8x14 Duct	22	5%	23	LF	\$ 8.32	\$ 190.99	0.194	4.44	\$ 100	\$ 444	\$ 635	
10		10" Dia. Duct	855	5%	898	LF	\$ 8.69	\$ 7,805.58	0.202	181.53	\$ 100	\$ 18,153	\$ 25,958	
11		10x10 Duct	494	5%	518	LF	\$ 9.10	\$ 4,718.24	0.212	109.73	\$ 100	\$ 10,973	\$ 15,691	
12		10x12 Duct	782	5%	821	LF	\$ 9.24	\$ 7,580.52	0.215	176.29	\$ 100	\$ 17,629	\$ 25,210	
13		10x14 Duct	41	5%	43	LF	\$ 9.42	\$ 408.66	0.219	9.50	\$ 100	\$ 950	\$ 1,359	
14		12" Dia Duct	442	5%	464	LF	\$ 10.35	\$ 4,804.20	0.241	111.73	\$ 100	\$ 11,173	\$ 15,977	
15		12x6 Duct	8	5%	8	LF	\$ 10.64	\$ 84.82	0.248	1.97	\$ 100	\$ 197	\$ 282	
16		12x10 Duct	567	5%	595	LF	\$ 10.80	\$ 6,425.63	0.251	149.43	\$ 100	\$ 14,943	\$ 21,369	
17		12x12 Duct	438	5%	460	LF	\$ 10.92	\$ 5,027.73	0.254	116.92	\$ 100	\$ 11,692	\$ 16,720	
18		12x14 Duct	104	5%	109	LF	\$ 11.09	\$ 1,208.43	0.258	28.10	\$ 100	\$ 2,810	\$ 4,019	
19		14" Dia. Duct	69	5%	73	LF	\$ 12.00	\$ 869.81	0.279	20.23	\$ 100	\$ 2,023	\$ 2,893	
20		14x10 Duct	88	5%	93	LF	\$ 12.32	\$ 1,144.41	0.287	26.61	\$ 100	\$ 2,661	\$ 3,806	
21		14x12 Duct	399	5%	419	LF	\$ 12.43	\$ 5,209.95	0.289	121.16	\$ 100	\$ 12,116	\$ 17,326	
22		14x14 Duct	71	5%	74	LF	\$ 12.60	\$ 934.49	0.293	21.73	\$ 100	\$ 2,173	\$ 3,108	
23		14x16 Duct	54	5%	56	LF	\$ 12.80	\$ 721.28	0.298	16.77	\$ 100	\$ 1,677	\$ 2,399	
24		16" Dia. Duct	93	5%	98	LF	\$ 13.72	\$ 1,343.79	0.319	31.25	\$ 100	\$ 3,125	\$ 4,469	
25		16x12 Duct	159	5%	167	LF	\$ 14.04	\$ 2,344.21	0.326	54.52	\$ 100	\$ 5,452	\$ 7,796	
26		16x14 Duct	141	5%	148	LF	\$ 14.22	\$ 2,102.19	0.331	48.89	\$ 100	\$ 4,889	\$ 6,991	
27		16x16 Duct	29	5%	31	LF	\$ 14.51	\$ 448.00	0.338	10.42	\$ 100	\$ 1,042	\$ 1,490	
28		18x12 Duct	44	5%	46	LF	\$ 15.57	\$ 712.28	0.362	16.56	\$ 100	\$ 1,656	\$ 2,369	
29		18x14 Duct	230	5%	242	LF	\$ 15.80	\$ 3,817.30	0.368	88.77	\$ 100	\$ 8,877	\$ 12,695	
30		18x20 Duct	46	5%	49	LF	\$ 16.25	\$ 790.70	0.378	18.39	\$ 100	\$ 1,839	\$ 2,630	
31		20x12 Duct	17	5%	18	LF	\$ 17.69	\$ 314.39	0.411	7.31	\$ 100	\$ 731	\$ 1,046	
32		20x14 Duct	199	5%	209	LF	\$ 17.89	\$ 3,734.50	0.416	86.85	\$ 100	\$ 8,685	\$ 12,419	
33		20x16 Duct	63	5%	66	LF	\$ 18.19	\$ 1,206.73	0.423	28.06	\$ 100	\$ 2,806	\$ 4,013	
34		22x16 Duct	20	5%	22	LF	\$ 19.24	\$ 413.79	0.448	9.62	\$ 100	\$ 962	\$ 1,376	
35		22x20 Duct	25	5%	26	LF	\$ 19.75	\$ 513.87	0.459	11.95	\$ 100	\$ 1,195	\$ 1,709	
36		24x12 Duct	5	5%	6	LF	\$ 21.21	\$ 118.91	0.493	2.77	\$ 100	\$ 277	\$ 395	
37		24x14 Duct	84	5%	89	LF	\$ 21.50	\$ 1,907.36	0.500	44.36	\$ 100	\$ 4,436	\$ 6,343	
38		24x16 Duct	47	5%	49	LF	\$ 21.57	\$ 1,054.46	0.502	24.52	\$ 100	\$ 2,452	\$ 3,507	
39		24x18 Duct	56	5%	59	LF	\$ 21.71	\$ 1,280.67	0.505	29.78	\$ 100	\$ 2,978	\$ 4,259	
40		40x20 Duct	16	5%	17	LF	\$ 22.21	\$ 368.53	0.517	6.57	\$ 100	\$ 657	\$ 926	
41		24x24 Duct	14	5%	15	LF	\$ 22.51	\$ 329.96	0.524	7.67	\$ 100	\$ 767	\$ 1,097	
42		26x14 Duct	73	5%	76	LF	\$ 23.56	\$ 1,800.00	0.548	41.86	\$ 100	\$ 4,186	\$ 5,986	
43		26x16 Duct	58	5%	61	LF	\$ 23.92	\$ 1,457.54	0.556	33.90	\$ 100	\$ 3,390	\$ 4,847	
44		26x18 Duct	36	5%	38	LF	\$ 24.13	\$ 921.80	0.561	21.44	\$ 100	\$ 2,144	\$ 3,066	
45		26x20 Duct	75	5%	79	LF	\$ 24.54	\$ 1,928.23	0.571	44.84	\$ 100	\$ 4,484	\$ 6,412	
46		28x16 Duct	72	5%	76	LF	\$ 25.67	\$ 1,945.31	0.597	45.24	\$ 100	\$ 4,524	\$ 6,469	
47		28x18 Duct	30	5%	32	LF	\$ 25.95	\$ 822.21	0.603	19.12	\$ 100	\$ 1,912	\$ 2,734	
48		30x14 Duct	43	5%	45	LF	\$ 27.86	\$ 1,267.71	0.648	29.48	\$ 100	\$ 2,948	\$ 4,216	
49		30x16 Duct	62	5%	65	LF	\$ 28.10	\$ 1,815.16	0.654	42.21	\$ 100	\$ 4,221	\$ 6,036	
50		30x18 Duct	12	5%	13	LF	\$ 28.10	\$ 364.74	0.654	8.48	\$ 100	\$ 848	\$ 1,213	
51		30x18 Duct	46	5%	48	LF	\$ 28.85	\$ 1,380.27	0.671	32.10	\$ 100	\$ 3,210	\$ 4,590	
52		30x22 Duct	21	5%	22	LF	\$ 29.38	\$ 641.30	0.683	14.91	\$ 100	\$ 1,491	\$ 2,133	
53		30x24 Duct	32	5%	33	LF	\$ 29.90	\$ 1,000.95	0.695	23.28	\$ 100	\$ 2,328	\$ 3,329	
54		32x20 Duct	67	5%	70	LF	\$ 31.89	\$ 2,248.06	0.742	52.28	\$ 100	\$ 5,228	\$ 7,476	
55		32x24 Duct	47	5%	50	LF	\$ 32.40	\$ 1,610.06	0.754	37.44	\$ 100	\$ 3,744	\$ 5,354	
56		34x18 Duct	52	5%	55	LF	\$ 33.94	\$ 1,857.52	0.789	43.20	\$ 100	\$ 4,320	\$ 6,177	
57		34x20 Duct	46	5%	48	LF	\$ 38.84	\$ 1,876.26	0.903	43.63	\$ 100	\$ 4,363	\$ 6,240	
58		36x18 Duct	19	5%	20	LF	\$ 40.50	\$ 821.96	0.942	19.12	\$ 100	\$ 1,912	\$ 2,733	
59		38x20 Duct	76	5%	80	LF	\$ 42.70	\$ 3,409.17	0.993	79.28	\$ 100	\$ 7,928	\$ 11,337	
60		38x24 Duct	81	5%	85	LF	\$ 42.94	\$ 3,665.02	0.999	85.23	\$ 100	\$ 8,523	\$ 12,188	
61		42x12 Duct	2	5%	2	LF	\$ 45.06	\$ 96.05	1.048	2.23	\$ 100	\$ 223	\$ 319	
62		46x18 Duct	18	5%	18	LF	\$ 45.71	\$ 845.18	1.063	19.66	\$ 100	\$ 1,966	\$ 2,811	
63		48x24 Duct	7	5%	8	LF	\$ 47.64	\$ 358.69	1.108	8.34	\$ 100	\$ 834	\$ 1,193	
64		50x24 Duct	12	5%	13	LF	\$ 49.97	\$ 626.42	1.162	14.57	\$ 100	\$ 1,457	\$ 2,083	
65		54x24 Duct	15	5%	16	LF	\$ 53.88	\$ 848.03	1.253	19.72	\$ 100	\$ 1,972	\$ 2,820	
SUPPLY DIFFUSER														
66		S1: 24x24 Ceiling supply air diffuser, 50CFM	10	0%	10	EA	\$ 257.00	\$ 2,570.00	1.120	11.20	\$ 100	\$ 1,120	\$ 3,690	
67		S1: 24x24 Ceiling supply air diffuser, 60CFM	2	0%	2	EA	\$ 264.00	\$ 528.00	1.140	2.28	\$ 100	\$ 228	\$ 756	
68		S1: 24x24 Ceiling supply air diffuser, 70CFM	1	0%	1	EA	\$ 271.00	\$ 271.00	1.180	1.18	\$ 100	\$ 118	\$ 389	
69		S1: 24x24 Ceiling supply air diffuser, 80CFM	1	0%	1	EA	\$ 280.00	\$ 280.00	1.200	1.20	\$ 100	\$ 120	\$ 400	
70		S1: 24x24 Ceiling supply air diffuser, 100CFM	5	0%	5	EA	\$ 293.00	\$ 1,465.00	1.260	6.30	\$ 100	\$ 630	\$ 2,095	
71		S1: 24x24 Ceiling supply air diffuser, 110CFM	7	0%	7	EA	\$ 308.00	\$ 2,156.00	1.320	9.24	\$ 100	\$ 924	\$ 3,080	
72		S1: 24x24 Ceiling supply air diffuser, 120CFM	8	0%	8	EA	\$ 322.00	\$ 2,576.00	1.390	11.12	\$ 100	\$ 1,112	\$ 3,688	
73		S1: 24x24 Ceiling supply air diffuser, 130CFM	2	0%	2	EA	\$ 334.00	\$ 668.00	1.440	2.88	\$ 100	\$ 288	\$ 956	
74		S1: 24x24 Ceiling supply air diffuser, 140CFM	2	0%	2	EA	\$ 346.00	\$ 692.00	1.500	3.00	\$ 100	\$ 300	\$ 992	
75		S1: 24x24 Ceiling supply air diffuser, 150CFM	9	0%	9	EA	\$ 361.00	\$ 3,249.00	1.550	13.95	\$ 100	\$ 1,395	\$ 4,644	
76		S1: 24x24 Ceiling supply air diffuser, 160CFM	6	0%	6	EA	\$ 376.00	\$ 2,256.00	1.620	9.72	\$ 100	\$ 972	\$ 3,228	
77		S1: 24x24 Ceiling supply air diffuser, 170CFM	2	0%	2	EA	\$ 389.00	\$ 778.00	1.670	3.34	\$ 100	\$ 334	\$ 1,112	
78		S1: 24x24 Ceiling supply air diffuser, 180CFM	18	0%	18	EA	\$ 402.00	\$ 7,236.00	1.730	31.14	\$ 100	\$ 3,114	\$ 10,350	
79		S1: 24x24 Ceiling supply air diffuser, 190CFM	1											

Sr #	REFERENCE	DESCRIPTION	QUANTITY	WASTE	TOTAL QTY	UNIT	COST/UNIT	MATERIAL TOTAL	UNIT HOURS	TOTAL MANHOUR	LABOR RATE	TOTAL LABOR	TOTAL COST	TRADE COST
115	R1: 24x24 Ceiling return air grille, 70CFM		1	0%	1	EA	\$ 271.00	\$ 271.00	1.180	1.18	\$ 100	\$ 118	\$ 389	
116	R1: 24x24 Ceiling return air grille, 100CFM		6	0%	6	EA	\$ 293.00	\$ 1,758.00	1.260	7.56	\$ 100	\$ 756	\$ 2,514	
117	R1: 24x24 Ceiling return air grille, 110CFM		3	0%	3	EA	\$ 308.00	\$ 924.00	1.320	3.96	\$ 100	\$ 396	\$ 1,320	
118	R1: 24x24 Ceiling return air grille, 120CFM		8	0%	8	EA	\$ 322.00	\$ 2,576.00	1.380	11.12	\$ 100	\$ 1,112	\$ 3,688	
119	R1: 24x24 Ceiling return air grille, 130CFM		1	0%	1	EA	\$ 334.00	\$ 334.00	1.440	1.44	\$ 100	\$ 144	\$ 478	
120	R1: 24x24 Ceiling return air grille, 150CFM		3	0%	3	EA	\$ 361.00	\$ 1,083.00	1.550	4.65	\$ 100	\$ 465	\$ 1,548	
121	R1: 24x24 Ceiling return air grille, 160CFM		4	0%	4	EA	\$ 376.00	\$ 1,504.00	1.620	6.48	\$ 100	\$ 648	\$ 2,152	
122	R1: 24x24 Ceiling return air grille, 170CFM		1	0%	1	EA	\$ 389.00	\$ 389.00	1.670	1.67	\$ 100	\$ 167	\$ 556	
123	R1: 24x24 Ceiling return air grille, 200CFM		4	0%	4	EA	\$ 430.00	\$ 1,720.00	1.850	7.40	\$ 100	\$ 740	\$ 2,460	
124	R1: 24x24 Ceiling return air grille, 210CFM		1	0%	1	EA	\$ 440.00	\$ 440.00	1.890	1.89	\$ 100	\$ 189	\$ 629	
125	R1: 24x24 Ceiling return air grille, 220CFM		2	0%	2	EA	\$ 452.00	\$ 904.00	1.940	3.88	\$ 100	\$ 388	\$ 1,292	
126	R1: 24x24 Ceiling return air grille, 240CFM		4	0%	4	EA	\$ 480.00	\$ 1,920.00	2.060	8.24	\$ 100	\$ 824	\$ 2,744	
127	R1: 24x24 Ceiling return air grille, 250CFM		3	0%	3	EA	\$ 493.00	\$ 1,479.00	2.120	6.36	\$ 100	\$ 636	\$ 2,115	
128	R1: 24x24 Ceiling return air grille, 270CFM		38	0%	38	EA	\$ 525.00	\$ 19,950.00	2.260	85.88	\$ 100	\$ 8,588	\$ 28,538	
129	R1: 24x24 Ceiling return air grille, 300CFM		1	0%	1	EA	\$ 547.00	\$ 547.00	2.350	2.35	\$ 100	\$ 235	\$ 782	
130	R1: 24x24 Ceiling return air grille, 350CFM		6	0%	6	EA	\$ 572.00	\$ 3,432.00	2.480	14.88	\$ 100	\$ 1,488	\$ 4,920	
131	R1: 24x24 Ceiling return air grille, 390CFM		1	0%	1	EA	\$ 599.00	\$ 599.00	2.570	2.57	\$ 100	\$ 257	\$ 856	
132	R1: 24x24 Ceiling return air grille, 400CFM		3	0%	3	EA	\$ 612.00	\$ 1,836.00	2.630	7.89	\$ 100	\$ 789	\$ 2,625	
133	R1: 24x24 Ceiling return air grille, 420CFM		2	0%	2	EA	\$ 627.00	\$ 1,254.00	2.700	5.40	\$ 100	\$ 540	\$ 1,794	
134	R1: 24x24 Ceiling return air grille, 430CFM		1	0%	1	EA	\$ 644.00	\$ 644.00	2.770	2.77	\$ 100	\$ 277	\$ 921	
135	R1: 24x24 Ceiling return air grille, 460CFM		1	0%	1	EA	\$ 659.00	\$ 659.00	2.830	2.83	\$ 100	\$ 283	\$ 942	
136	R1: 24x24 Ceiling return air grille, 480CFM		1	0%	1	EA	\$ 678.00	\$ 678.00	2.920	2.92	\$ 100	\$ 292	\$ 970	
137	R1: 24x24 Ceiling return air grille, 500CFM		2	0%	2	EA	\$ 690.00	\$ 1,380.00	2.970	5.94	\$ 100	\$ 594	\$ 1,974	
138	R1: 24x24 Ceiling return air grille, 550CFM		2	0%	2	EA	\$ 722.00	\$ 1,444.00	3.100	6.20	\$ 100	\$ 620	\$ 2,064	
139	R1: 24x24 Ceiling return air grille, 600CFM		6	0%	6	EA	\$ 775.00	\$ 4,650.00	3.330	19.98	\$ 100	\$ 1,998	\$ 6,648	
140	R1: 24x24 Ceiling return air grille, 750CFM		2	0%	2	EA	\$ 896.00	\$ 1,792.00	3.860	7.72	\$ 100	\$ 772	\$ 2,564	
141	R1: 24x24 Ceiling return air grille, 800CFM		2	0%	2	EA	\$ 932.00	\$ 1,864.00	4.010	8.02	\$ 100	\$ 802	\$ 2,666	
142	R1: 24x24 Ceiling return air grille, 950CFM		4	0%	4	EA	\$ 1,106.00	\$ 4,424.00	4.760	19.04	\$ 100	\$ 1,904	\$ 6,328	
143	R1: 24x24 Ceiling return air grille, 1180CFM		2	0%	2	EA	\$ 1,290.00	\$ 2,580.00	5.550	11.10	\$ 100	\$ 1,110	\$ 3,690	
144	R3: 12x10 Sidewall return grille, 100CFM		2	0%	2	EA	\$ 200.00	\$ 400.00	0.900	1.80	\$ 100	\$ 180	\$ 580	
145	R3: 12x10 Sidewall return grille, 200CFM		1	0%	1	EA	\$ 234.00	\$ 234.00	1.010	1.01	\$ 100	\$ 101	\$ 335	
146	R3: 12x10 Sidewall return grille, 250CFM		1	0%	1	EA	\$ 266.00	\$ 266.00	1.200	1.20	\$ 100	\$ 120	\$ 386	
147	R3: 12x10 Sidewall return grille, 350CFM		4	0%	4	EA	\$ 318.00	\$ 1,272.00	1.440	5.76	\$ 100	\$ 576	\$ 1,848	
148	R3: 12x10 Sidewall return grille, 400CFM		1	0%	1	EA	\$ 364.00	\$ 364.00	1.600	1.60	\$ 100	\$ 160	\$ 524	
149	R3: 12x10 Sidewall return grille, 650CFM		1	0%	1	EA	\$ 412.00	\$ 412.00	1.780	1.78	\$ 100	\$ 178	\$ 590	
150	R3: 12x10 Sidewall return grille, 700CFM		1	0%	1	EA	\$ 461.00	\$ 461.00	1.940	1.94	\$ 100	\$ 194	\$ 655	
151	78x18 Return air grille		1	0%	1	EA	\$ 786.00	\$ 786.00	3.380	3.38	\$ 100	\$ 338	\$ 1,124	
152	40x40 Return air grille		1	0%	1	EA	\$ 532.00	\$ 532.00	2.290	2.29	\$ 100	\$ 229	\$ 761	
153	50x40 Return air grille		1	0%	1	EA	\$ 649.00	\$ 649.00	2.800	2.80	\$ 100	\$ 280	\$ 929	
154	26x4 Return air grille		2	0%	2	EA	\$ 326.00	\$ 652.00	1.400	2.80	\$ 100	\$ 280	\$ 932	
155	32x20 Return air grille		1	0%	1	EA	\$ 390.00	\$ 390.00	1.680	1.68	\$ 100	\$ 168	\$ 558	
EXHAUST AIR GRILLE														
156	E1: 24x24 Ceiling exhaust air grille, 100CFM		6	0%	6	EA	\$ 293.00	\$ 1,758.00	1.260	7.56	\$ 100	\$ 756	\$ 2,514	
157	E1: 24x24 Ceiling exhaust air grille, 150CFM		2	0%	2	EA	\$ 361.00	\$ 722.00	1.550	3.10	\$ 100	\$ 310	\$ 1,032	
158	E1: 24x24 Ceiling exhaust air grille, 180CFM		1	0%	1	EA	\$ 401.00	\$ 401.00	1.750	1.75	\$ 100	\$ 175	\$ 576	
159	E1: 24x24 Ceiling exhaust air grille, 200CFM		2	0%	2	EA	\$ 430.00	\$ 860.00	1.850	3.70	\$ 100	\$ 370	\$ 1,230	
160	E1: 24x24 Ceiling exhaust air grille, 270CFM		1	0%	1	EA	\$ 525.00	\$ 525.00	2.260	2.26	\$ 100	\$ 226	\$ 751	
161	E1: 24x24 Ceiling exhaust air grille, 290CFM		1	0%	1	EA	\$ 540.00	\$ 540.00	2.360	2.36	\$ 100	\$ 236	\$ 776	
162	E1: 24x24 Ceiling exhaust air grille, 400CFM		1	0%	1	EA	\$ 612.00	\$ 612.00	2.630	2.63	\$ 100	\$ 263	\$ 875	
163	E1: 24x24 Ceiling exhaust air grille, 420CFM		1	0%	1	EA	\$ 627.00	\$ 627.00	2.700	2.70	\$ 100	\$ 270	\$ 897	
164	E1: 24x24 Ceiling exhaust air grille, 470CFM		1	0%	1	EA	\$ 652.00	\$ 652.00	2.890	2.89	\$ 100	\$ 289	\$ 941	
165	E1: 24x24 Ceiling exhaust air grille, 510CFM		1	0%	1	EA	\$ 690.00	\$ 690.00	2.970	2.97	\$ 100	\$ 297	\$ 987	
166	E1: 24x24 Ceiling exhaust air grille, 700CFM		2	0%	2	EA	\$ 832.00	\$ 1,664.00	3.600	7.20	\$ 100	\$ 720	\$ 2,384	
167	E2: 12x12 Ceiling exhaust air grille, 70CFM		9	0%	9	EA	\$ 164.00	\$ 1,476.00	0.700	6.30	\$ 100	\$ 630	\$ 2,106	
168	E2: 12x12 Ceiling exhaust air grille, 100CFM		36	0%	36	EA	\$ 190.00	\$ 6,840.00	0.820	29.52	\$ 100	\$ 2,952	\$ 9,792	
169	E2: 12x12 Ceiling exhaust air grille, 110CFM		2	0%	2	EA	\$ 199.00	\$ 398.00	0.890	1.78	\$ 100	\$ 178	\$ 576	
170	E2: 12x12 Ceiling exhaust air grille, 150CFM		1	0%	1	EA	\$ 224.00	\$ 224.00	1.040	1.04	\$ 100	\$ 104	\$ 328	
171	E3: 12x6 Sidewall exhaust air grille, 130CFM		1	0%	1	EA	\$ 210.00	\$ 210.00	0.960	0.96	\$ 100	\$ 96	\$ 306	
172	E3: 24x12 Sidewall exhaust air grille, 500CFM		1	0%	1	EA	\$ 654.00	\$ 654.00	2.900	2.90	\$ 100	\$ 290	\$ 944	
173	24x20 Exhaust grille		1	0%	1	EA	\$ 328.00	\$ 328.00	1.470	1.47	\$ 100	\$ 147	\$ 475	
174	12x12 Exhaust grille		1	0%	1	EA	\$ 164.00	\$ 164.00	0.700	0.70	\$ 100	\$ 70	\$ 234	
175	16x16 Exhaust grille		1	0%	1	EA	\$ 192.00	\$ 192.00	0.890	0.89	\$ 100	\$ 89	\$ 281	
176	14x12 Exhaust grille		1	0%	1	EA	\$ 180.00	\$ 180.00	0.820	0.82	\$ 100	\$ 82	\$ 262	
177	12x12 Exhaust grille		2	0%	2	EA	\$ 164.00	\$ 328.00	0.700	1.40	\$ 100	\$ 140	\$ 468	
178	24x14 Exhaust grille		2	0%	2	EA	\$ 345.00	\$ 690.00	1.580	3.16	\$ 100	\$ 316	\$ 1,006	
179	10x14 Exhaust grille		2	0%	2	EA	\$ 147.00	\$ 294.00	0.640	1.28	\$ 100	\$ 128	\$ 422	
180	16x14 Exhaust grille		1	0%	1	EA	\$ 185.00	\$ 185.00	0.820	0.82	\$ 100	\$ 82	\$ 267	
181	12" Round exhaust grille		2	0%	2	EA	\$ 166.00	\$ 332.00	0.700	1.40	\$ 100	\$ 140	\$ 472	
MECHANICAL PLAN														
182	Conical tap with volume damper		427	0%	427	EA	\$ 168.00	\$ 71,736.00	0.750	320.25	\$ 100	\$ 32,025	\$ 103,761	
183	Fire damper		43	0%	43	EA	\$ 140.00	\$ 6,020.00	0.620	26.66	\$ 100	\$ 2,666	\$ 8,886	
184	Thermostat		93	0%	93	EA	\$ 88.00	\$ 8,184.00	0.500	46.50	\$ 100	\$ 4,650	\$ 12,834	
185	Heating water system bypass valve (35GPM)		1	0%	1	EA	\$ 406.00	\$ 406.00	1.850	1.85	\$ 100	\$ 185	\$ 591	
186	8" Round boiler flue		3	0%	3	EA	\$ 527.00	\$ 1,581.00	2.000	6.00	\$ 100	\$ 600	\$ 2,181	
187	DP: Differential pressure sensor		12	0%	12	EA	\$ 194.00	\$ 2,328.00	1.060	12				

Sr #	REFERENCE	DESCRIPTION	QUANTITY	WASTE	TOTAL QTY	UNIT	COST/UNIT	MATERIAL TOTAL	UNIT HOURS	TOTAL MANHOUR	LABOR RATE	TOTAL LABOR	TOTAL COST	TRADE COST
221		EF-8: Exhaust fan , 1290CFM Manuf: Greenheck Model: CUE-140-VG	1	0%	1	EA	\$ 1,208.00	\$ 1,208.00	5.190	5.19	\$ 100	\$ 519	\$ 1,727	
222		EF-9: Exhaust fan , 810CFM Manuf: Greenheck Model: CUE-099-VG	1	0%	1	EA	\$ 940.00	\$ 940.00	4.040	4.04	\$ 100	\$ 404	\$ 1,344	
223		EF-10: Exhaust fan , 500CFM Manuf: Greenheck Model: CUE-140hp-VG	1	0%	1	EA	\$ 572.00	\$ 572.00	2.460	2.46	\$ 100	\$ 246	\$ 818	
224		KEF-1: Kitchen exhaust fan, 3330CFM Manuf: Captivaire Model: DU200HFA	1	0%	1	EA	\$ 3,804.00	\$ 3,804.00	16.360	16.36	\$ 100	\$ 1,636	\$ 5,440	
225		KEF-2: Kitchen exhaust fan, 750CFM Manuf: Greenheck Model: CUE-099-VG	1	0%	1	EA	\$ 878.00	\$ 878.00	3.780	3.78	\$ 100	\$ 378	\$ 1,256	
226		KEF-3: Kitchen exhaust fan, 1500CFM Manuf: Greenheck Model: CUE-140-VG	1	0%	1	EA	\$ 1,692.00	\$ 1,692.00	7.280	7.28	\$ 100	\$ 728	\$ 2,420	
227		MAKE UP AIR UNIT SCHEDULE MUAF-1: Make up air unit, 3400CFM Manuf: Captivaire Model: CASRTU13-250-24-20T	1	0%	1	EA	\$ 6,220.00	\$ 6,220.00	28.340	28.34	\$ 100	\$ 2,834	\$ 9,054	
228		SPLIT SYSTEM SCHEDULE FCU 1: Fan coil unit 12.0-24.0 MBH 21.4 SEER Manuf: MITSUBISHI	1	0%	1	EA	\$ 3,266.00	\$ 3,266.00	14.140	14.14	\$ 100	\$ 1,414	\$ 4,680	
229		FCU 2: Fan coil unit 12.0-24.0 MBH 21.4 SEER Manuf: MITSUBISHI	1	0%	1	EA	\$ 3,266.00	\$ 3,266.00	14.140	14.14	\$ 100	\$ 1,414	\$ 4,680	
230		FAN FILTER SCHEDULE FFU-1: Fan filter unit, 400CFM Manuf: Filtration group Model: SENTINEL	1	0%	1	EA	\$ 757.00	\$ 757.00	3.320	3.32	\$ 100	\$ 332	\$ 1,089	
231		FFU-2: Fan filter unit, 400CFM Manuf: Filtration group Model: SENTINEL	1	0%	1	EA	\$ 757.00	\$ 757.00	3.320	3.32	\$ 100	\$ 332	\$ 1,089	
232		FFU-3: Fan filter unit, 350CFM Manuf: Filtration group Model: SENTINEL	1	0%	1	EA	\$ 624.00	\$ 624.00	2.660	2.66	\$ 100	\$ 266	\$ 890	
233		FFU-4: Fan filter unit, 350CFM Manuf: Filtration group Model: SENTINEL	1	0%	1	EA	\$ 624.00	\$ 624.00	2.660	2.66	\$ 100	\$ 266	\$ 890	
234		FFU-5: Fan filter unit, 350CFM Manuf: Filtration group Model: SENTINEL	1	0%	1	EA	\$ 624.00	\$ 624.00	2.660	2.66	\$ 100	\$ 266	\$ 890	
235		FFU-6: Fan filter unit, 350CFM Manuf: Filtration group Model: SENTINEL	1	0%	1	EA	\$ 624.00	\$ 624.00	2.660	2.66	\$ 100	\$ 266	\$ 890	
236		WALK IN FREEZER CONDENSING UUNIT Walk in freezer condensing unit CABINET HEATER SCHEDULE	2	0%	2	EA	\$ 4,220.00	\$ 8,440.00	18.350	36.70	\$ 100	\$ 3,670	\$ 12,110	
237		CAB-1: Cabinet heater, 500CFM, 34MBH, 10KW Manuf: QMARK Model: CUS94510483FF	1	0%	1	EA	\$ 1,806.00	\$ 1,806.00	7.750	7.75	\$ 100	\$ 775	\$ 2,581	
238		CAB-2: Cabinet heater, 400CFM, 34MBH, 6.7KW Manuf: QMARK Model: CUS94510483FF	1	0%	1	EA	\$ 1,590.00	\$ 1,590.00	6.840	6.84	\$ 100	\$ 684	\$ 2,274	
239		HOT WATER BOILER SCHEDULE HWB-1: Hot water boiler, 160 psig, 135 GPM Manuf: AERCO BMK PLATINUM 1500W Model: EDGE	1	0%	1	EA	#####	\$ 34,120.00	122.600	122.60	\$ 100	\$ 12,260	\$ 46,380	
240		HWB-2: Hot water boiler, 160 psig, 135 GPM Manuf: AERCO BMK PLATINUM 1500W Model: EDGE	1	0%	1	EA	#####	\$ 34,120.00	122.600	122.60	\$ 100	\$ 12,260	\$ 46,380	
241		HWB-3: Hot water boiler, 160 psig, 135 GPM Manuf: AERCO BMK PLATINUM 1500W Model: EDGE	1	0%	1	EA	#####	\$ 34,120.00	122.600	122.60	\$ 100	\$ 12,260	\$ 46,380	
242		PUMP SCHEDULE HWP-1: Pump, 225 GPM Manuf: GRUNDFOS Model: 30957 VLS	1	0%	1	EA	\$ 5,860.00	\$ 5,860.00	22.400	22.40	\$ 100	\$ 2,240	\$ 8,100	
243		HWP-2: Pump, 225 GPM Manuf: GRUNDFOS Model: 30957 VLS	1	0%	1	EA	\$ 5,860.00	\$ 5,860.00	22.400	22.40	\$ 100	\$ 2,240	\$ 8,100	
244		EXPANSION TANK SCHEDULE ET-1: Expansion tank Manuf: BELL & GOSSET Model: D-240	1	0%	1	EA	\$ 1,675.00	\$ 1,675.00	5.120	5.12	\$ 100	\$ 512	\$ 2,187	
245		GLYCOL FEED SYSTEM SCHEDULE GFS-1: (58"Lx58"Wx30"H) Glycol feed system, 3600RPM Manuf: BELL & GOSSET Model: GMU460	1	0%	1	EA	\$ 4,550.00	\$ 4,550.00	19.600	19.60	\$ 100	\$ 1,960	\$ 6,510	
246		MECHANICAL TERMINAL UNIT SCHEDULE HYDRINIC REHEAT VVR 1-01: inlet size 8, 300CFM, 0.7 Reheat GPM	1	0%	1	EA	\$ 768.00	\$ 768.00	3.340	3.34	\$ 100	\$ 334	\$ 1,102	
247		VVR 1-02: inlet size 8, 200CFM, 0.5 Reheat GPM	1	0%	1	EA	\$ 690.00	\$ 690.00	2.970	2.97	\$ 100	\$ 297	\$ 987	
248		VVR 1-03: inlet size 12, 1260CFM, 2.9 Reheat GPM	1	0%	1	EA	\$ 2,208.00	\$ 2,208.00	9.340	9.34	\$ 100	\$ 934	\$ 3,142	
249		VVR 1-04: inlet size 8, 400CFM, 0.9 Reheat GPM	1	0%	1	EA	\$ 875.00	\$ 875.00	3.750	3.75	\$ 100	\$ 375	\$ 1,250	
250		VVR 1-05: inlet size 8, 370CFM, 0.8 Reheat GPM	1	0%	1	EA	\$ 814.00	\$ 814.00	3.500	3.50	\$ 100	\$ 350	\$ 1,164	
251		VVR 1-06: inlet size 8, 370CFM, 0.8 Reheat GPM	1	0%	1	EA	\$ 814.00	\$ 814.00	3.500	3.50	\$ 100	\$ 350	\$ 1,164	
252		VVR 1-07: inlet size 8, 370CFM, 0.8 Reheat GPM	1	0%	1	EA	\$ 814.00	\$ 814.00	3.500	3.50	\$ 100	\$ 350	\$ 1,164	
253		VVR 1-08: inlet size 8, 370CFM, 0.8 Reheat GPM	1	0%	1	EA	\$ 814.00	\$ 814.00	3.500	3.50	\$ 100	\$ 350	\$ 1,164	
254		VVR 1-09: inlet size 8, 370CFM, 0.8 Reheat GPM	1	0%	1	EA	\$ 814.00	\$ 814.00	3.500	3.50	\$ 100	\$ 350	\$ 1,164	
255		VVR 1-10: inlet size 8, 370CFM, 0.8 Reheat GPM	1	0%	1	EA	\$ 814.00	\$ 814.00	3.500	3.50	\$ 100	\$ 350	\$ 1,164	
256		VVR 1-11: inlet size 8, 370CFM, 0.8 Reheat GPM	1	0%	1	EA	\$ 814.00	\$ 814.00	3.500	3.50	\$ 100	\$ 350	\$ 1,164	
257		VVR 1-12: inlet size 8, 370CFM, 0.8 Reheat GPM	1	0%	1	EA	\$ 814.00	\$ 814.00	3.500	3.50	\$ 100	\$ 350	\$ 1,164	
258		VVR 1-13: inlet size 8, 440CFM, 1 Reheat GPM	1	0%	1	EA	\$ 918.00	\$ 918.00	3.900	3.90	\$ 100	\$ 390	\$ 1,308	
259		VVR 1-14: inlet size 8, 250CFM, 0.6 Reheat GPM	1	0%	1	EA	\$ 729.00	\$ 729.00	3.150	3.15	\$ 100	\$ 315	\$ 1,044	
260		VVR 1-15: inlet size 8, 370CFM, 0.8 Reheat GPM	1	0%	1	EA	\$ 814.00	\$ 814.00	3.500	3.50	\$ 100	\$ 350	\$ 1,164	
261		VVR 1-16: inlet size 8, 370CFM, 0.8 Reheat GPM	1	0%	1	EA	\$ 814.00	\$ 814.00	3.500	3.50	\$ 100	\$ 350	\$ 1,164	
262		VVR 1-17: inlet size 8, 370CFM, 0.8 Reheat GPM	1	0%	1	EA	\$ 814.00	\$ 814.00	3.500	3.50	\$ 100	\$ 350	\$ 1,164	
263		VVR 1-18: inlet size 8, 370CFM, 0.8 Reheat GPM	1	0%	1	EA	\$ 814.00	\$ 814.00	3.500	3.50	\$ 100	\$ 350	\$ 1,164	
264		VVR 1-19: inlet size 8, 370CFM, 0.8 Reheat GPM	1	0%	1	EA	\$ 814.00	\$ 814.00	3.500	3.50	\$ 100	\$ 350	\$ 1,164	
265		VVR 1-20: inlet size 8, 370CFM, 0.8 Reheat GPM	1	0%	1	EA	\$ 814.00	\$ 814.00	3.500	3.50	\$ 100	\$ 350	\$ 1,164	
266		VVR 1-22: inlet size 10, 910CFM, 2.1 Reheat GPM	1	0%	1	EA	\$ 1,800.00	\$ 1,800.00	7.750	7.75	\$ 100	\$ 775	\$ 2,575	
267		VVR 1-23: inlet size 8, 540CFM, 1.2 Reheat GPM	1	0%	1	EA	\$ 996.00	\$ 996.00	4.250	4.25	\$ 100	\$ 425	\$ 1,421	
268		VVR 1-24: inlet size 10, 800CFM, 2.6 Reheat GPM	1	0%	1	EA	\$ 1,694.00	\$ 1,694.00	7.080	7.08	\$ 100	\$ 708	\$ 2,402	
269		VVR 1-25: inlet size 8, 250CFM, 0.8 Reheat GPM	1	0%	1	EA	\$ 729.00	\$ 729.00	3.150	3.15	\$ 100	\$ 315	\$ 1,044	
270		VVR 1-26: inlet size 10, 700CFM, 2.3 Reheat GPM	1	0%	1	EA	\$ 1,532.00	\$ 1,532.00	6.820	6.82	\$ 100	\$ 682	\$ 2,214	
271		VVR 1-27: inlet size 10, 910CFM, 2.1 Reheat GPM	1	0%	1	EA	\$ 1,800.00	\$ 1,800.00	7.750	7.75	\$ 100	\$ 775	\$ 2,575	
272		VVR 1-28: inlet size 8, 340CFM, 0.8 Reheat GPM	1	0%	1	EA	\$ 782.00	\$ 782.00	3.300	3.30	\$ 100	\$ 330	\$ 1,112	
273		VVR 1-29: inlet size 8, 140CFM, 0.3 Reheat GPM	1	0%	1	EA	\$ 558.00	\$ 558.00	2.400	2.40	\$ 100	\$ 240	\$ 798	
274		VVR 1-30: inlet size 8, 370CFM, 0.8 Reheat GPM	1	0%	1	EA	\$ 814.00	\$ 814.00	3.500	3.50	\$ 100	\$ 350	\$ 1,164	
275		VVR 1-31: inlet size 8, 370CFM, 0.8 Reheat GPM	1	0%	1	EA	\$ 814.00	\$ 814.00	3.500	3.50	\$ 100	\$ 350	\$ 1,164	
276		VVR 1-32: inlet size 8, 370CFM, 0.8 Reheat GPM	1	0%	1	EA	\$ 814.00	\$ 814.00	3.500	3.50	\$ 100	\$ 350	\$ 1,164	
277		VVR 1-33: inlet size 8, 370CFM, 0.8 Reheat GPM	1	0%	1	EA	\$ 814.00	\$ 814.00	3.500	3.50	\$ 100	\$ 350	\$ 1,164	
278		VVR 1-34: inlet size 8, 370CFM, 0.8 Reheat GPM	1	0%	1	EA	\$ 814.00	\$ 814.00	3.500	3.50	\$ 100	\$ 350	\$ 1,164	
279		VVR 1-35: inlet size 8, 370CFM, 0.8 Reheat GPM	1	0%	1	EA	\$ 814.00	\$ 814.00	3.500	3.50	\$ 100	\$ 350	\$ 1,164	
280		VVR 1-36: inlet size 8, 250CFM, 0.6 Reheat GPM	1	0%	1	EA	\$ 729.00	\$ 729.00	3.150	3.15	\$ 100	\$ 315	\$ 1,044	
281		VVR 1-37: inlet size 8, 420CFM, 1 Reheat GPM	1	0%	1	EA	\$ 893.00	\$ 893.00	3.760	3.76	\$ 100	\$ 376	\$ 1,269	
282		VVR 1-38: inlet size 8, 460CFM, 1 Reheat GPM	1	0%	1	EA	\$ 945.00	\$ 945.00	4.020	4.02	\$ 100	\$ 402	\$ 1,347	
283		VVR 1-39: inlet size 8, 370CFM, 0.8 Reheat GPM	1	0%	1	EA	\$ 814.00	\$ 814.00	3.500	3.50	\$ 100	\$ 350	\$ 1,164	
284		VVR 1-40: inlet size 8, 370CFM, 0.8 Reheat GPM	1	0%	1	EA	\$ 814.00	\$ 814.00	3.500	3.50	\$ 100	\$ 350	\$ 1,164	
285		VVR 1-41: inlet size 8, 370CFM, 0.8 Reheat GPM	1	0%	1	EA	\$ 814.00	\$ 814.00	3.500	3.50	\$ 100	\$ 350	\$ 1,164	
286		VVR 1-42: inlet size 8, 370CFM, 0.8 Reheat GPM	1	0%	1	EA	\$ 814.00	\$ 814.00	3.500	3.50	\$ 100	\$ 350	\$ 1,164	
287		VVR 1-43: inlet size 8, 370CFM, 0.8 Reheat GPM	1	0%	1	EA	\$ 814.00	\$ 814.00	3.500	3.50	\$ 100	\$ 350	\$ 1,164	
288		VVR 1-44: inlet size 8, 370CFM, 0.8 Reheat GPM	1	0%	1	EA	\$ 814.00	\$ 814.00	3.500	3.50	\$ 100	\$ 350	\$ 1,164	
289		VVR 1-45: inlet size 8, 370CFM, 0.8 Reheat GPM	1	0%	1	EA	\$ 814.00	\$ 814.00	3.500	3.50	\$ 100	\$ 350	\$ 1,164	
290		VVR 1-46: inlet size 8, 420CFM, 1 Reheat GPM	1	0%	1	EA	\$ 893.00	\$ 893.00	3.760	3.76	\$ 100	\$ 376	\$ 1,269	
291		VVR 1-47: inlet size 8, 500CFM, 1.1 Reheat GPM	1	0%	1	EA	\$ 962.00	\$ 962.00	4.140	4.14	\$ 100	\$ 414	\$ 1,376	
292		VVR 1-48: inlet size 10, 710CFM, 1.6 Reheat GPM	1	0%	1	EA	\$ 1,578.00	\$ 1,578.00	7.200	7.20	\$ 100	\$ 720	\$ 2,298	
293		VVR 2-01: inlet size 8, 600CFM, 1.4 Reheat GPM	1	0%	1	EA	\$ 1,132.00	\$ 1,132.00	4.900	4.90	\$ 100	\$ 490	\$ 1,622	
294		VVR 2-02: inlet size 10, 800CFM, 1.8 Reheat GPM	1	0%	1	EA	\$ 1,694.00	\$ 1,694.00	7.080	7.08	\$ 100	\$ 708	\$ 2,402	
295		VVR 2-03: inlet size 8, 400CFM, 0.9 Reheat GPM	1	0%	1	EA	\$ 875.00	\$ 875.00	3.750	3.75	\$ 100	\$ 375	\$ 1,250	
296		VVR 2-04: inlet size 8, 250CFM, 0.6 Reheat GPM	1	0%	1	EA	\$ 729.00	\$ 729.00	3.150	3.15	\$ 100	\$ 315	\$ 1,044	
297		VVR 2-05: inlet size 8, 250CFM, 0.6 Reheat GPM	1	0%	1	EA	\$ 729.00	\$ 729.00	3.150	3.15	\$ 100	\$ 315	\$ 1,044	

Sr #	REFERENCE	DESCRIPTION	QUANTITY	WASTE	TOTAL QTY	UNIT	COST/UNIT	MATERIAL TOTAL	UNIT HOURS	TOTAL MANHOOUR	LABOR RATE	TOTAL LABOR	TOTAL COST	TRADE COST
298		VVR 2-06: inlet size 8, 270CFM,0.6 Reheat GPM	1	0%	1	EA	\$ 762.00	\$ 762.00	3.340	3.34	\$ 100	\$ 334	\$ 1,096	
299		VVR 2-07: inlet size 8, 390CFM,0.9 Reheat GPM	1	0%	1	EA	\$ 860.00	\$ 860.00	3.720	3.72	\$ 100	\$ 372	\$ 1,232	
300		VVR 2-08: inlet size 8, 190CFM,0.4 Reheat GPM	1	0%	1	EA	\$ 652.00	\$ 652.00	2.800	2.80	\$ 100	\$ 280	\$ 932	
301		VVR 2-09: inlet size 10, 830CFM,1.9 Reheat GPM	1	0%	1	EA	\$ 1,752.00	\$ 1,752.00	7.300	7.30	\$ 100	\$ 730	\$ 2,482	
302		VVR 2-10: inlet size 8, 250CFM,0.6 Reheat GPM	1	0%	1	EA	\$ 729.00	\$ 729.00	3.150	3.15	\$ 100	\$ 315	\$ 1,044	
303		VVR 2-11: inlet size 8, 460CFM,1 Reheat GPM	1	0%	1	EA	\$ 948.00	\$ 948.00	3.860	3.86	\$ 100	\$ 386	\$ 1,334	
304		VVR 2-12: inlet size 8, 460CFM,1 Reheat GPM	1	0%	1	EA	\$ 948.00	\$ 948.00	3.860	3.86	\$ 100	\$ 386	\$ 1,334	
305		VVR 2-13: inlet size 10, 100CFM,2.3 Reheat GPM	1	0%	1	EA	\$ 404.00	\$ 404.00	1.580	1.58	\$ 100	\$ 158	\$ 562	
306		VVR 2-14: inlet size 12, 1490CFM,3.4 Reheat GPM	1	0%	1	EA	\$ 2,586.00	\$ 2,586.00	11.100	11.10	\$ 100	\$ 1,110	\$ 3,696	
307		VVR 2-15: inlet size 8, 150CFM,0.3 Reheat GPM	1	0%	1	EA	\$ 466.00	\$ 466.00	1.850	1.85	\$ 100	\$ 185	\$ 651	
308		VVR 2-16: inlet size 10, 800CFM,1.8 Reheat GPM	1	0%	1	EA	\$ 1,694.00	\$ 1,694.00	7.080	7.08	\$ 100	\$ 708	\$ 2,402	
309		VVR 2-17: inlet size 12, 1500CFM,3.4 Reheat GPM	1	0%	1	EA	\$ 3,220.00	\$ 3,220.00	12.750	12.75	\$ 100	\$ 1,275	\$ 4,495	
310		VVR 2-18: inlet size 12, 1500CFM,3.4 Reheat GPM	1	0%	1	EA	\$ 3,220.00	\$ 3,220.00	12.750	12.75	\$ 100	\$ 1,275	\$ 4,495	
311		VVR 2-19: inlet size 8, 500CFM,1.1 Reheat GPM	1	0%	1	EA	\$ 962.00	\$ 962.00	4.140	4.14	\$ 100	\$ 414	\$ 1,376	
312		VVR 2-20: inlet size 8, 550CFM,1.25 Reheat GPM	1	0%	1	EA	\$ 1,030.00	\$ 1,030.00	4.600	4.60	\$ 100	\$ 460	\$ 1,490	
313		VVR 3-01: inlet size 8, 600CFM,1.4 Reheat GPM	1	0%	1	EA	\$ 1,132.00	\$ 1,132.00	4.900	4.90	\$ 100	\$ 490	\$ 1,622	
314		VVR 3-02: inlet size 8, 450CFM,1 Reheat GPM	1	0%	1	EA	\$ 920.00	\$ 920.00	4.000	4.00	\$ 100	\$ 400	\$ 1,320	
315		VVR 3-03: inlet size 8, 260CFM,0.6 Reheat GPM	1	0%	1	EA	\$ 784.00	\$ 784.00	3.360	3.36	\$ 100	\$ 336	\$ 1,120	
316		VVR 3-04: inlet size 8, 400CFM,0.9 Reheat GPM	1	0%	1	EA	\$ 875.00	\$ 875.00	3.750	3.75	\$ 100	\$ 375	\$ 1,250	
317		VVR 3-05: inlet size 8, 440CFM,1 Reheat GPM	1	0%	1	EA	\$ 918.00	\$ 918.00	3.900	3.90	\$ 100	\$ 390	\$ 1,308	
318		VVR 3-06: inlet size 10, 1050CFM,2.4 Reheat GPM	1	0%	1	EA	\$ 1,906.00	\$ 1,906.00	8.340	8.34	\$ 100	\$ 834	\$ 2,740	
319		VVR 3-07: inlet size 8, 520CFM,1.2 Reheat GPM	1	0%	1	EA	\$ 1,127.00	\$ 1,127.00	5.080	5.08	\$ 100	\$ 508	\$ 1,635	
320		VVR 3-08: inlet size 8, 400CFM,0.9 Reheat GPM	1	0%	1	EA	\$ 875.00	\$ 875.00	3.750	3.75	\$ 100	\$ 375	\$ 1,250	
321		VVR 3-09: inlet size 14, 2100CFM,4.8 Reheat GPM	1	0%	1	EA	\$ 4,430.00	\$ 4,430.00	19.720	19.72	\$ 100	\$ 1,972	\$ 6,402	
322		VVR 3-10: inlet size 12, 1300CFM,2.09 Reheat GPM	1	0%	1	EA	\$ 2,608.00	\$ 2,608.00	12.450	12.45	\$ 100	\$ 1,245	\$ 3,853	
323		VVR 3-11: inlet size 12, 1350CFM,3.1 Reheat GPM	1	0%	1	EA	\$ 2,734.00	\$ 2,734.00	13.060	13.06	\$ 100	\$ 1,306	\$ 4,040	
324		VVR 3-12: inlet size 8, 400CFM,0.9 Reheat GPM	1	0%	1	EA	\$ 875.00	\$ 875.00	3.750	3.75	\$ 100	\$ 375	\$ 1,250	
325		VVR 3-13: inlet size 10, 810CFM,1.8 Reheat GPM	1	0%	1	EA	\$ 1,536.00	\$ 1,536.00	7.420	7.42	\$ 100	\$ 742	\$ 2,278	
326		VVR 3-14: inlet size 8, 400CFM,0.9 Reheat GPM	1	0%	1	EA	\$ 875.00	\$ 875.00	3.750	3.75	\$ 100	\$ 375	\$ 1,250	
327		VVR 3-15: inlet size 8, 500CFM,1.1 Reheat GPM	1	0%	1	EA	\$ 962.00	\$ 962.00	4.140	4.14	\$ 100	\$ 414	\$ 1,376	
328		VVR 3-16: inlet size 8, 560CFM,1.3 Reheat GPM	1	0%	1	EA	\$ 1,202.00	\$ 1,202.00	5.380	5.38	\$ 100	\$ 538	\$ 1,740	
329		VVR 3-17: inlet size 10, 750CFM,1.7 Reheat GPM	1	0%	1	EA	\$ 1,509.00	\$ 1,509.00	6.440	6.44	\$ 100	\$ 644	\$ 2,153	
330		VVR 3-18: inlet size 8, 600CFM,1.4 Reheat GPM	1	0%	1	EA	\$ 1,132.00	\$ 1,132.00	4.900	4.90	\$ 100	\$ 490	\$ 1,622	
331		VVR-4-01: inlet size 8, 370CFM,0.8 Reheat GPM	1	0%	1	EA	\$ 814.00	\$ 814.00	3.500	3.50	\$ 100	\$ 350	\$ 1,164	
332		VVR-4-02: inlet size 8, 370CFM,0.8 Reheat GPM	1	0%	1	EA	\$ 814.00	\$ 814.00	3.500	3.50	\$ 100	\$ 350	\$ 1,164	
333		VVR-4-03: inlet size 8, 370CFM,0.8 Reheat GPM	1	0%	1	EA	\$ 814.00	\$ 814.00	3.500	3.50	\$ 100	\$ 350	\$ 1,164	
334		VVR-4-04: inlet size 8, 370CFM,0.8 Reheat GPM	1	0%	1	EA	\$ 814.00	\$ 814.00	3.500	3.50	\$ 100	\$ 350	\$ 1,164	
335		VVR-4-05: inlet size 8, 370CFM,0.8 Reheat GPM	1	0%	1	EA	\$ 814.00	\$ 814.00	3.500	3.50	\$ 100	\$ 350	\$ 1,164	
336		VVR-4-06: inlet size 8, 370CFM,0.8 Reheat GPM	1	0%	1	EA	\$ 814.00	\$ 814.00	3.500	3.50	\$ 100	\$ 350	\$ 1,164	
337		VVR-4-07: inlet size 8, 370CFM,0.8 Reheat GPM	1	0%	1	EA	\$ 814.00	\$ 814.00	3.500	3.50	\$ 100	\$ 350	\$ 1,164	
338		VVR-4-08: inlet size 8, 370CFM,0.8 Reheat GPM	1	0%	1	EA	\$ 814.00	\$ 814.00	3.500	3.50	\$ 100	\$ 350	\$ 1,164	
339		VVR-4-09: inlet size 8, 370CFM,0.8 Reheat GPM	1	0%	1	EA	\$ 814.00	\$ 814.00	3.500	3.50	\$ 100	\$ 350	\$ 1,164	
340		VVR-4-10: inlet size 8, 370CFM,0.8 Reheat GPM	1	0%	1	EA	\$ 814.00	\$ 814.00	3.500	3.50	\$ 100	\$ 350	\$ 1,164	
341		VVR-4-11: inlet size 8, 550CFM,1.2 Reheat GPM	1	0%	1	EA	\$ 1,408.00	\$ 1,408.00	4.750	4.75	\$ 100	\$ 475	\$ 1,883	
342		VVR-4-12: inlet size 8, 250CFM,0.6 Reheat GPM	1	0%	1	EA	\$ 729.00	\$ 729.00	3.150	3.15	\$ 100	\$ 315	\$ 1,044	
343		VVR-4-13: inlet size 8, 480CFM,1.1 Reheat GPM	1	0%	1	EA	\$ 1,006.00	\$ 1,006.00	4.460	4.46	\$ 100	\$ 446	\$ 1,452	
344		VVR-4-14: inlet size 8, 410CFM,0.9 Reheat GPM	1	0%	1	EA	\$ 954.00	\$ 954.00	4.000	4.00	\$ 100	\$ 400	\$ 1,354	
345		VVR-4-15: inlet size 8, 250CFM,0.6 Reheat GPM	1	0%	1	EA	\$ 729.00	\$ 729.00	3.150	3.15	\$ 100	\$ 315	\$ 1,044	
346		VVR-4-16: inlet size 8, 500CFM,1.1 Reheat GPM	1	0%	1	EA	\$ 962.00	\$ 962.00	4.140	4.14	\$ 100	\$ 414	\$ 1,376	
347		VVR-4-17: inlet size 10, 600CFM,1.4 Reheat GPM	1	0%	1	EA	\$ 1,132.00	\$ 1,132.00	4.900	4.90	\$ 100	\$ 490	\$ 1,622	
348		ALLOWANCE												
		Allowance for HVAC duct fittings, Conections & insulation Area = 48525 SF	1	0%	1	LS	\$ 45,000.0	\$ 45,000.00	250.000	250.00	\$ 100	\$ 25,000	\$ 70,000	
		Subtotal (HVAC)					Total mat. cost:	\$ 980,246		To. Labor	\$ 752,509	\$ 1,732,754		
NOTES FOR CLIENTS												TOTAL TRADES AMOUNT	\$1,766,754	
1. This estimate is based on real market prices that are regularly updated by our team persons through market surveys and online resources, we still encourage our clients to put their own. 2. This sheet is your property and we encourage you to fine tune the wastage and pricing values to your preference. 3. Feel free to contact us for any queries or suggestions.												OVERHEAD	7%	\$ 123,672.80
												PROFIT	15%	\$ 268,013.14
												INSURANCE	3%	\$ 53,002.63
												CONTINGENCY	2%	\$ 35,335.09
												TOTAL BASE BID	\$	2,243,778