



ITEM	DWG NO.	CSI NO	DESCRIPTION	QTY.	Wastage	Qty w/ Wastage	UNIT	Unit Material Cost	Unit Labor Cost	Total Material Cost	Total Labor Cost	TOTAL COST
		010000	DIVISION 01 — GENERAL REQUIREMENTS									
1			Submittal Procedures	1	0%	1	LS	\$ -	\$ -	\$0	\$0	\$0
2			Temporary Facilities and Controls	1	0%	1	LS	\$ -	\$ -	\$0	\$0	\$0
3			Closeout Procedures	1	0%	1	LS	\$ -	\$ -	\$0	\$0	\$0
4			Payment Procedures	1	0%	1	LS	\$ -	\$ -	\$0	\$0	\$0
5			Contract Modification Procedures	1	0%	1	LS	\$ -	\$ -	\$0	\$0	\$0
6			Maintenance & Traffic Protection	1	0%	1	LS	\$ -	\$ -	\$0	\$0	\$0
7			Final Cleanup	1	0%	1	LS	\$ -	\$ -	\$0	\$0	\$0
			Subtotal							\$0.00	\$0.00	\$0.00
		230000	DIVISION-23 HVAC									
			DUCTS									
8	M2.0-M4.1		4" Dia Pipe	686	10%	754	LF	\$ 4.8	\$ 1.2	\$3,619	\$905	\$4,524
9	M2.0-M4.1		8" Dia Pipe	54	10%	59	LF	\$ 8.0	\$ 2.0	\$474	\$119	\$593
10	M2.0-M4.1		9" Dia Pipe	6783	10%	7,461	LF	\$ 8.8	\$ 2.2	\$65,659	\$16,415	\$82,074
11	M2.0-M4.1		5" Dia Pipe	3022	10%	3,324	LF	\$ 5.6	\$ 1.4	\$18,616	\$4,654	\$23,269
12	M2.0-M4.1		6" Dia Pipe	65	10%	71	LF	\$ 6.4	\$ 1.6	\$454	\$114	\$568
13	M2.0-M4.1		14"x10" Duct	1057	10%	1,162	LF	\$ 12.8	\$ 3.2	\$14,877	\$3,719	\$18,596
14	M2.0-M4.1		6"x6" Duct	49	10%	53	LF	\$ 6.4	\$ 1.6	\$342	\$86	\$428
15	M2.0-M4.1		8"x8" Duct	500	10%	550	LF	\$ 8.0	\$ 2.0	\$4,399	\$1,100	\$5,498
16	M2.0-M4.1		12x10 Dia Duct	28	10%	31	LF	\$ 12.0	\$ 3.0	\$374	\$93	\$467
17	M2.0-M4.1		12x8 Dia Duct	275	10%	303	LF	\$ 11.2	\$ 2.8	\$3,393	\$848	\$4,241
18	M2.0-M4.1		18x10 Dia Duct	61	10%	67	LF	\$ 16.8	\$ 4.2	\$1,125	\$281	\$1,407
19	M2.0-M4.1		18x8 Dia Duct	231	10%	254	LF	\$ 17.6	\$ 4.4	\$4,478	\$1,119	\$5,597
20	M2.0-M4.1		10x8 Dia Duct	215	10%	237	LF	\$ 9.6	\$ 2.4	\$2,275	\$569	\$2,843
21	M2.0-M4.1		10x10 Dia Duct	62	10%	68	LF	\$ 10.4	\$ 2.6	\$709	\$177	\$887
22	M2.0-M4.1		14x10 Dia Duct	1007	10%	1,107	LF	\$ 12.8	\$ 3.2	\$14,176	\$3,544	\$17,720
23	M2.0-M4.1		14x8 Dia Duct	111	10%	122	LF	\$ 13.2	\$ 3.3	\$1,607	\$402	\$2,009
24	M2.0-M4.1		20x10 Dia Duct	21	10%	23	LF	\$ 17.6	\$ 4.4	\$408	\$102	\$511
25	M2.0-M4.1		16x10 Dia Duct	48	10%	52	LF	\$ 14.4	\$ 3.6	\$756	\$189	\$944
26	M2.0-M4.1		16x8 Dia Duct	241	10%	265	LF	\$ 15.2	\$ 3.8	\$4,028	\$1,007	\$5,035
27	M2.0-M4.1		6x4 Dia Duct	8	10%	9	LF	\$ 6.4	\$ 1.6	\$55	\$14	\$69
28	M2.0-M4.1		18x12 Dia Duct	9	10%	10	LF	\$ 16.0	\$ 4.0	\$164	\$41	\$205
29	M2.0-M4.1		22x12 Dia Duct	5	10%	5	LF	\$ 19.2	\$ 4.8	\$101	\$25	\$127
30	M2.0-M4.1		22x8 Dia Duct	247	10%	272	LF	\$ 18.8	\$ 4.7	\$5,112	\$1,278	\$6,390
			FLEXIBLE DUCT									
31	M2.0-M4.1		5" Dia Flexible Pipe	88	10%	96	LF	\$ 4.8	\$ 1.2	\$462	\$116	\$578
32	M2.0-M4.1		6" Dia Flexible Pipe	2976	10%	3,274	LF	\$ 5.6	\$ 1.4	\$18,333	\$4,583	\$22,917
33	M2.0-M4.1		8" Dia Flexible Pipe	118	10%	130	LF	\$ 7.2	\$ 1.8	\$935	\$234	\$1,169
34	M2.0-M4.1		9" Dia Flexible Pipe	337	10%	371	LF	\$ 8.0	\$ 2.0	\$2,966	\$742	\$3,708
35	M2.0-M4.1		10" Dia Flexible Pipe	6564	10%	7,221	LF	\$ 8.8	\$ 2.2	\$63,542	\$15,886	\$79,428
			LOUVER									
36	M2.0-M4.1		12x12 Louver	150	0%	150	EA	\$ 100.0	\$ 25.0	\$15,000	\$3,750	\$18,750
37	M2.0-M4.1		12x12 Fal 150CFM	159	0%	159	EA	\$ 100.0	\$ 25.0	\$15,900	\$3,975	\$19,875
38	M2.0-M4.1		24x12 Fal 150CFM	1	0%	1	EA	\$ 104.0	\$ 26.0	\$104	\$26	\$130
39	M2.0-M4.1		24x12 Eal 150CFM	1	0%	1	EA	\$ 104.0	\$ 26.0	\$104	\$26	\$130
			MISC									
40	M2.0-M4.1		Thermostat	329	0%	329	EA	\$ 180.0	\$ 45.0	\$59,220	\$14,805	\$74,025
41	M2.0-M4.1		4" VTR	8	0%	8	EA	\$ 96.0	\$ 24.0	\$768	\$192	\$960
42	M2.0-M4.1		Motrized Damper	322	0%	322	EA	\$ 116.0	\$ 29.0	\$37,352	\$9,338	\$46,690
43	M2.0-M4.1		Fire Smoke Damper	22	0%	22	EA	\$ 160.0	\$ 40.0	\$3,520	\$880	\$4,400
			EXHAUST FANS									
44	M2.0-M4.1		FAN (EF-1) 50CFM Manufacturer: Greenheck Model: SP-AP0511W RPM: 820	358	0%	358	EA	\$ 280.0	\$ 70.0	\$100,240	\$25,060	\$125,300
45	M2.0-M4.1		FAN (EF-2) 340CFM Manufacturer: Greenheck Model: SP-A390-VG RPM: 1369	1	0%	1	EA	\$ 276.0	\$ 69.0	\$276	\$69	\$345
46	M2.0-M4.1		FAN (EF-3) 360CFM Manufacturer: Greenheck Model: SP-A390-VG RPM: 1413	1	0%	1	EA	\$ 260.0	\$ 65.0	\$260	\$65	\$325
47	M2.0-M4.1		FAN (EF-4) 390CFM Manufacturer: Greenheck Model: CSP-A710-VG RPM: 1148	1	0%	1	EA	\$ 280.0	\$ 70.0	\$280	\$70	\$350
48	M2.0-M4.1		FAN (EF-5) 100CFM Manufacturer: Greenheck Model: SP-A390-VG RPM: 1069	1	0%	1	EA	\$ 292.0	\$ 73.0	\$292	\$73	\$365
			AIR DEVICES									
49	M2.0-M4.1		12"x12"Supply Diffuser (A) Manufacturer: TITUS Model: TDC	3	0%	3	EA	\$ 96.0	\$ 24.0	\$288	\$72	\$360
50	M2.0-M4.1		6"x6"Supply Diffuser (A1) Manufacturer: TITUS Model: TDC	649	0%	649	EA	\$ 88.0	\$ 22.0	\$57,112	\$14,278	\$71,390
51	M2.0-M4.1		24"x24"Supply Diffuser (B) Manufacturer: TITUS Model: TDC	44	0%	44	EA	\$ 112.0	\$ 28.0	\$4,928	\$1,232	\$6,160
52	M2.0-M4.1		12"x8"Supply Diffuser (B1) Manufacturer: TITUS Model: 300RL	952	0%	952	EA	\$ 108.0	\$ 27.0	\$102,816	\$25,704	\$128,520

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53	M2.0-M4.1		24"x24" Return Diffuser (C) Manufacturer: TITUS Model: PAR	11	0%	11	EA	\$ 112.0	\$ 28.0	\$1,232	\$308	\$1,540
54	M2.0-M4.1		24"x8" Return Grille (C1) Manufacturer: TITUS Model: 350R	306	0%	306	EA	\$ 108.0	\$ 27.0	\$33,048	\$8,262	\$41,310
55	M2.0-M4.1		24"x6" Supply Grille (D) Manufacturer: TITUS Model: 300RL	1	0%	1	EA	\$ 104.0	\$ 26.0	\$104	\$26	\$130
56	M2.0-M4.1		12"x6" Supply Grille (E) Manufacturer: TITUS Model: 300RL	1	0%	1	EA	\$ 100.0	\$ 25.0	\$100	\$25	\$125
57	M2.0-M4.1		12"x12" Exhaust Diffuser (F) Manufacturer: TITUS Model: 50F	2	0%	2	EA	\$ 96.0	\$ 24.0	\$192	\$48	\$240
58	M2.0-M4.1		4' Long, 2 Slot Supply Diffuser (G) Manufacturer: TITUS Model: TBD-80	19	0%	19	EA	\$ 88.0	\$ 22.0	\$1,672	\$418	\$2,090
			ELECTRIC UNIT HEATER									
59	M2.0-M4.1		Electric Unit Heater (EUH) 350CFM Manufacturer: Qmark Model: MUH0581 Heating Capacity: 17060 BTU/HR	4	0%	4	EA	\$ 1,360.0	\$ 340.0	\$5,440	\$1,360	\$6,800
60	M2.0-M4.1		Electric Unit Heater (EUH-1) 350CFM Manufacturer: Qmark Model: MUH0581 Heating Capacity: 17060 BTU/HR	1	0%	1	EA	\$ 1,360.0	\$ 340.0	\$1,360	\$340	\$1,700
			AIR HANDLING UNIT & CONDENSING UNIT W/ HEAT PUMP									
			FIRST FLOOR									
61	M2.0-M4.1		Air Handling Unit (AHU-1.1) 935CFM Ton: 3 Model: CARRIER-FV4CNF003	2	0%	2	EA	\$ 4,100.0	\$ 400.0	\$8,200	\$800	\$9,000
62	M2.0-M4.1		Air Handling Unit (AHU-1.X) 700CFM Ton: 2 Model: CARRIER-FV4CNF002	12	0%	12	EA	\$ 3,150.0	\$ 350.0	\$37,800	\$4,200	\$42,000
63	M2.0-M4.1		Air Handling Unit (AHU-1.15) 1575CFM Ton: 5 Model: CARRIER-FV4CNF006	1	0%	1	EA	\$ 5,500.0	\$ 500.0	\$5,500	\$500	\$6,000
64	M2.0-M4.1		Air Handling Unit (AHU-1.16) 1200CFM Ton: 4 Model: CARRIER-FV4CNF005	1	0%	1	EA	\$ 4,550.0	\$ 450.0	\$4,550	\$450	\$5,000
			SECOND FLOOR									
65	M2.0-M4.1		Air Handling Unit (AHU-2.X) 700CFM Ton: 2 Model: CARRIER-FV4CNF002	45	0%	45	EA	\$ 3,150.0	\$ 350.0	\$141,750	\$15,750	\$157,500
66	M2.0-M4.1		Air Handling Unit (AHU-2.X) 935CFM Ton: 3 Model: CARRIER-FV4CNF003	5	0%	5	EA	\$ 4,100.0	\$ 400.0	\$20,500	\$2,000	\$22,500
			THIRD FLOOR									
67	M2.0-M4.1		Air Handling Unit (AHU-3.X) 700CFM Ton: 2 Model: CARRIER-FV4CNF002	45	0%	45	EA	\$ 3,150.0	\$ 350.0	\$141,750	\$15,750	\$157,500
68	M2.0-M4.1		Air Handling Unit (AHU-3.X) 935CFM Ton: 3 Model: CARRIER-FV4CNF003	5	0%	5	EA	\$ 4,100.0	\$ 400.0	\$20,500	\$2,000	\$22,500
			FOURTH FLOOR									
69	M2.0-M4.1		Air Handling Unit (AHU-4.X) 700CFM Ton: 2 Model: CARRIER-FV4CNF002	45	0%	45	EA	\$ 3,150.0	\$ 350.0	\$141,750	\$15,750	\$157,500
70	M2.0-M4.1		Air Handling Unit (AHU-4.X) 935CFM Ton: 3 Model: CARRIER-FV4CNF003	5	0%	5	EA	\$ 4,100.0	\$ 400.0	\$20,500	\$2,000	\$22,500
			Subtotal							\$1,217,849.30	\$227,962.33	\$1,445,811.63
			TOTAL AMOUNT							\$1,217,849.30	\$227,962.33	\$1,445,811.63
			Contingencies (5%)							\$60,892	\$11,398	\$72,291
			Overhead and Profit (10%)							\$121,785	\$22,796	\$144,581
			TOTAL BASE BID							\$1,400,527	\$262,157	\$1,662,683