## **Estimate of Materials and Cost of Construction**



Project Name: Address: Date:

Summary	Amount
Subtotal	\$ 5,243,997
Profit/Overhead	\$ 1,310,999
Total	\$ 6,554,996

ITEM#	PAGE REFERENCE	DESCRIPTION	QT Y.	FT	QTY. W/ FT	UNIT	UNIT COST	LABOR COST	MATERIAL COST	EQUIPMENT COST	ITEM COST	TRADE COS
		HVAC									_	\$ 5,243,997
		Garage										
1	M099 TO M100	5" over drain flue	446	5%	468	lf	\$ 65.00	\$ 10,653.80	\$ 15,219.80	\$ 4,565.90	\$ 30,440	
2	M099 TO M100	6" Fire pipe line		5%	5	lf	\$ 75.00	\$ 137.80	\$ 196.90	\$ 59.10	\$ 394	
3	M099 TO M100	6" Sewer line pipe		5%	5	lf	\$ 75.00	\$ 137.80	\$ 196.90	\$ 59.10	\$ 394	
4	M099 TO M100	6" Water pipe line		5%	16	lf	\$ 75.00	\$ 413.40	\$ 590.60	\$ 177.20	\$ 1,181	
5	M099 TO M100	8" Fire pipe line		5%	7	lf	\$ 90.00	\$ 231.50	\$ 330.80	\$ 99.20	\$ 662	
6	M099 TO M100	8" Over drain flue		5%	244	lf	\$ 90.00	\$ 7,673.40	\$ 10,962.00	\$ 3,288.60	\$ 21,924	
7	M099 TO M100	8" Sewer pipe line		5%	15	lf	\$ 90.00	\$ 463.10	\$ 661.50	\$ 198.50	\$ 1,323	
8	M099 TO M100	12" Over drain flue		5%	40	lf	\$ 110.00	\$ 1,536.20	\$ 2,194.50	\$ 658.40	\$ 4,389	
9			214			lf	\$ 130.00			\$ 4,381.70		
	M099 TO M100	14" Over drain flue			225			\$ 10,223.90	\$ 14,605.50 \$ 5,850.00		\$ 29,211	
10	M099 TO M100	Backdraft damper		0%	26	ea	\$ 450.00	\$ 4,095.00		\$ 1,755.00	\$ 11,700	
11	M099 TO M100	Gas unit heater 120 v		0%	17	ea	\$ 1,800.00	\$ 10,710.00	\$ 15,300.00	\$ 4,590.00	\$ 30,600	
12	M099 TO M100	GSF-N-4 208V		0%	1	ea	\$ 1,200.00	\$ 420.00	\$ 600.00	\$ 180.00	\$ 1,200	
13	M099 TO M100	Heating ventilating & air	1	0%	1	ea	\$ 12,000.00	\$ 4,200.00	\$ 6,000.00	\$ 1,800.00	\$ 12,000	
	M099 TO M100	Duct										
14	M099 TO M100	6x4 duct		5%	38	lf	\$ 12.00	\$ 158.80	\$ 226.80	\$ 68.00	\$ 454	
15	M099 TO M100	12x8 duct		5%	12	lf	\$ 24.00	\$ 97.00	\$ 138.60	\$ 41.60	\$ 277	
16	M099 TO M100	46x46 duct	31	5%	33	lf	\$ 92.00	\$ 1,048.10	\$ 1,497.30	\$ 449.20	\$ 2,995	
	M099 TO M100	Supply device										
17	M099 TO M100	Supply diffuser 215 CFM	1	0%	1	ea	\$ 430.00	\$ 150.50	\$ 215.00	\$ 64.50	\$ 430	
		Building A										
		Duct										
18	M101A TO 104A	4" Round rigid air duct	2,300	5%	2,415	lf	\$ 8.00	\$ 6,762.00	\$ 9,660.00	\$ 2,898.00	\$ 19,320	
19	M101A TO 104A	4" Telecome	10	5%	11	lf	\$ 8.00	\$ 29.40	\$ 42.00	\$ 12.60	\$ 84	
20	M101A TO 104A	6" Round rigid air duct	353	5%	371	lf	\$ 12.00	\$ 1,556.70	\$ 2,223.90	\$ 667.20	\$ 4,448	
21	M101A TO 104A	6x6 duct	23	5%	24	lf	\$ 12.00	\$ 101.40	\$ 144.90	\$ 43.50	\$ 290	
22	M101A TO 104A	8" Round duct	153	5%	161	lf	\$ 12.00	\$ 674.70	\$ 963.90	\$ 289.20	\$ 1,928	
23	M101A TO 104A	8x8 duct	14	5%	15	lf	\$ 16.00	\$ 82.30	\$ 117.60	\$ 35.30	\$ 235	
24	M101A TO 104A	8X8 duct	5	5%	5	lf	\$ 16.00	\$ 29.40	\$ 42.00	\$ 12.60	\$ 84	
25	M101A TO 104A	10x4 duct		5%	39	lf	\$ 20.00	\$ 272.00	\$ 388.50	\$ 116.60	\$ 777	
26	M101A TO 104A	10x10 duct		5%	18	lf	\$ 20.00	\$ 125.00	\$ 178.50	\$ 53.60	\$ 357	
27	M101A TO 104A	12x4 duct		5%	5	lf	\$ 24.00	\$ 44.10	\$ 63.00	\$ 18.90	\$ 126	
28	M101A TO 104A	12x8 duct		5%	100	lf	\$ 24.00	\$ 837.90	\$ 1,197.00	\$ 359.10	\$ 2,394	
29	M101A TO 104A	12x10 duct		5%	26	lf	\$ 24.00	\$ 220.50	\$ 315.00	\$ 94.50	\$ 630	
30	M101A TO 104A	12x12 duct		5%	6	lf	\$ 24.00	\$ 52.90	\$ 75.60	\$ 22.70	\$ 151	
31	M101A TO 104A	14x6 duct		5%	9	lf	\$ 28.00	\$ 92.60	\$ 132.30	\$ 39.70	\$ 265	
	M101A TO 104A	14x12 duct								\$ 176.40		
32				5%	42	lf	\$ 28.00	\$ 411.60	\$ 588.00		\$ 1,176	
33	M101A TO 104A	14X8 duct		5%	13	lf	\$ 28.00	\$ 123.50	\$ 176.40	\$ 52.90	\$ 353	
34	M101A TO 104A	16x4 duct		5%	19	lf	\$ 32.00	\$ 211.70	\$ 302.40	\$ 90.70	\$ 605	
35	M101A TO 104A	16x8 duct		5%	8	lf	\$ 32.00	\$ 94.10	\$ 134.40	\$ 40.30	\$ 269	
36	M101A TO 104A	16x10 duct		5%	24	lf	\$ 32.00	\$ 270.50	\$ 386.40	\$ 115.90	\$ 773	
37	M101A TO 104A	18x4 duct		5%	38	lf	\$ 36.00	\$ 476.30	\$ 680.40	\$ 204.10	\$ 1,361	
38	M101A TO 104A	18x8 duct		5%	60	lf	\$ 36.00	\$ 754.10	\$ 1,077.30	\$ 323.20	\$ 2,155	
39	M101A TO 104A	18x10 duct		5%	41	lf	\$ 36.00	\$ 516.00	\$ 737.10	\$ 221.10	\$ 1,474	
40	M101A TO 104A	18x12 duct	21	5%	22	lf	\$ 36.00	\$ 277.80	\$ 396.90	\$ 119.10	\$ 794	
41	M101A TO 104A	20x4 duct	17	5%	18	lf	\$ 40.00	\$ 249.90	\$ 357.00	\$ 107.10	\$ 714	
42	M101A TO 104A	20x10 duct	8	5%	8	lf	\$ 40.00	\$ 117.60	\$ 168.00	\$ 50.40	\$ 336	
43	M101A TO 104A	22x8 duct	19	5%	20	lf	\$ 44.00	\$ 307.20	\$ 438.90	\$ 131.70	\$ 878	
44	M101A TO 104A	22x10 duct	75	5%	79	lf	\$ 44.00	\$ 1,212.80	\$ 1,732.50	\$ 519.80	\$ 3,465	
45	M101A TO 104A	22x12 duct	10	5%	11	lf	\$ 44.00	\$ 161.70	\$ 231.00	\$ 69.30	\$ 462	
46	M101A TO 104A	22x16 duct	7	5%	7	lf	\$ 44.00	\$ 113.20	\$ 161.70	\$ 48.50	\$ 323	
47	M101A TO 104A	22x18 duct	16	5%	17	lf	\$ 44.00	\$ 258.70	\$ 369.60	\$ 110.90	\$ 739	
48	M101A TO 104A	22x24 duct	26	5%	27	lf	\$ 44.00	\$ 420.40	\$ 600.60	\$ 180.20	\$ 1,201	
49	M101A TO 104A	22x40 duct	31	5%	33	lf	\$ 44.00	\$ 501.30	\$ 716.10	\$ 214.80	\$ 1,432	
50	M101A TO 104A	24x4 duct		5%	49	lf	\$ 48.00	\$ 829.10	\$ 1,184.40	\$ 355.30	\$ 2,369	
51	M101A TO 104A	24x8 duct		5%	27	lf	\$ 48.00	\$ 458.60	\$ 655.20	\$ 196.60	\$ 1,310	
52	M101A TO 104A	24x10 duct		5%	58	lf	\$ 48.00	\$ 970.20	\$ 1,386.00	\$ 415.80	\$ 2,772	

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53	M101A TO 104A	24x22 duct		5%	16	lf	\$ 48.00	\$ 264.60	\$ 378.00	\$ 113.40	\$ 756	
54	M101A TO 104A	26x12 duct		5%	24	lf	\$ 52.00	\$ 439.50	\$ 627.90	\$ 188.40	\$ 1,256	
55	M101A TO 104A	26x16 duct	16	5%	17	lf	\$ 52.00	\$ 305.80	\$ 436.80	\$ 131.00	\$ 874	
56	M101A TO 104A	28x8 duct	39	5%	41	lf	\$ 56.00	\$ 802.60	\$ 1,146.60	\$ 344.00	\$ 2,293	
57	M101A TO 104A	28x10 duct	14	5%	15	lf	\$ 56.00	\$ 288.10	\$ 411.60	\$ 123.50	\$ 823	
58	M101A TO 104A	28x12 duct	23	5%	24	lf	\$ 56.00	\$ 473.30	\$ 676.20	\$ 202.90	\$ 1,352	
59	M101A TO 104A	32x12 duct	18	5%	19	lf	\$ 64.00	\$ 423.40	\$ 604.80	\$ 181.40	\$ 1,210	
60	M101A TO 104A	32x16 duct	87	5%	91	lf	\$ 64.00	\$ 2,046.20	\$ 2,923.20	\$ 877.00	\$ 5,846	
61	M101A TO 104A	36x16 duct	40	5%	42	lf	\$ 72.00	\$ 1,058.40	\$ 1,512.00	\$ 453.60	\$ 3,024	
62	M101A TO 104A	36x18 duct	16	5%	17	lf	\$ 72.00	\$ 423.40	\$ 604.80	\$ 181.40	\$ 1,210	
63	M101A TO 104A	50x12 duct		5%	33	lf	\$ 100.00	\$ 1,139.30	\$ 1,627.50	\$ 488.30	\$ 3,255	
64	M101A TO 104A	50x22 duct		5%	20	lf	\$ 100.00	\$ 698.30	\$ 997.50	\$ 299.30	\$ 1,995	
04	WIUIA IO 104A		19	370	20	11	\$ 100.00	\$ 090.30	\$ 997.30	\$ 299.30	\$ 1,993	
		Supply divice										
65	M101A TO 104A	6x4 Supply diffuser 60 CFM		0%	2	ea	\$ 120.00	\$ 84.00	\$ 120.00	\$ 36.00	\$ 240	
66	M101A TO 104A	8x8 Supply diffuser 230 CFM	4	0%	4	ea	\$ 460.00	\$ 644.00	\$ 920.00	\$ 276.00	\$ 1,840	
67	M101A TO 104A	10x10 Air return 430 CFM	1	0%	1	ea	\$ 860.00	\$ 301.00	\$ 430.00	\$ 129.00	\$ 860	
68	M101A TO 104A	12x8 Supply diffuser 400 CFM	1	0%	1	ea	\$ 800.00	\$ 280.00	\$ 400.00	\$ 120.00	\$ 800	
69	M101A TO 104A	12x10 Supply diffuser 490 CFM	1	0%	1	ea	\$ 980.00	\$ 343.00	\$ 490.00	\$ 147.00	\$ 980	
70	M101A TO 104A	12x10 Supply diffuser 550 CFM	4	0%	4	ea	\$ 1,100.00	\$ 1,540.00	\$ 2,200.00	\$ 660.00	\$ 4,400	
71	M101A TO 104A	12x12 Supply diffuser 680 CFM	1	0%	1	ea	\$ 1,360.00	\$ 476.00	\$ 680.00	\$ 204.00	\$ 1,360	
72	M101A TO 104A	12x14 Supply diffuser 800 CFM		0%	1	ea	\$ 1,600.00	\$ 560.00	\$ 800.00	\$ 240.00	\$ 1,600	
		11.1										
73	M101A TO 104A	14x8 Supply diffuser 490 CFM		0%	3	ea	\$ 980.00	\$ 1,029.00	\$ 1,470.00	\$ 441.00	\$ 2,940	
74	M101A TO 104A	14x12 Return grill 800 CFM		0%	1	ea	\$ 1,600.00	\$ 560.00	\$ 800.00	\$ 240.00	\$ 1,600	
75	M101A TO 104A	18x4 Return grill 240 CFM		0%	1	ea	\$ 480.00	\$ 168.00	\$ 240.00	\$ 72.00	\$ 480	
76	M101A TO 104A	18x4 Supply diffuser 240 CFM	1	0%	1	ea	\$ 480.00	\$ 168.00	\$ 240.00	\$ 72.00	\$ 480	
77	M101A TO 104A	18x6 Supply diffuser 430 CFM	3	0%	3	ea	\$ 860.00	\$ 903.00	\$ 1,290.00	\$ 387.00	\$ 2,580	
78	M101A TO 104A	18x6 Supply diffuser 670 CFM	1	0%	1	ea	\$ 1,340.00	\$ 469.00	\$ 670.00	\$ 201.00	\$ 1,340	
79	M101A TO 104A	18x8 Supply diffuser 680 CFM	5	0%	5	ea	\$ 1,360.00	\$ 2,380.00	\$ 3,400.00	\$ 1,020.00	\$ 6,800	
80	M101A TO 104A	18x12 Supply diffuser 1100 CFM	1	0%	1	ea	\$ 2,200.00	\$ 770.00	\$ 1,100.00	\$ 330.00	\$ 2,200	
81	M101A TO 104A	20x4 Supply diffuser 270 CFM		0%	1	ea	\$ 540.00	\$ 189.00	\$ 270.00	\$ 81.00	\$ 540	
82	M101A TO 104A	22x8 Supply diffuser		0%	1	ea	\$ 1,800.00	\$ 630.00	\$ 900.00	\$ 270.00	\$ 1,800	
83	M101A TO 104A	22x10 Supply diffuser 1200 CFM		0%	1	ea	\$ 2,400.00	\$ 840.00	\$ 1,200.00	\$ 360.00	\$ 2,400	
84	M101A TO 104A	24x4 Supply diffuser 210 CFM		0%	1	ea	\$ 420.00	\$ 147.00	\$ 210.00	\$ 63.00	\$ 420	
85	M101A TO 104A	24x10 Supply diffuser 1320 CFM	1	0%	1	ea	\$ 2,640.00	\$ 924.00	\$ 1,320.00	\$ 396.00	\$ 2,640	
86	M101A TO 104A	24x10 Supply diffuser	3	0%	3	ea	\$ 2,600.00	\$ 2,730.00	\$ 3,900.00	\$ 1,170.00	\$ 7,800	
87	M101A TO 104A	24X22 Return grill 2800 CFM	2	0%	2	ea	\$ 5,600.00	\$ 3,920.00	\$ 5,600.00	\$ 1,680.00	\$ 11,200	
88	M101A TO 104A	26x12 Supply diffuser 1750 CFM	3	0%	3	ea	\$ 3,500.00	\$ 3,675.00	\$ 5,250.00	\$ 1,575.00	\$ 10,500	
89	M101A TO 104A	28x10 Supply diffuser 1100 CFM	1	0%	1	ea	\$ 2,200.00	\$ 770.00	\$ 1,100.00	\$ 330.00	\$ 2,200	
90	M101A TO 104A	28x12 Supply diffuser 1950 CFM	2	0%	2	ea	\$ 3,900.00	\$ 2,730.00	\$ 3,900.00	\$ 1,170.00	\$ 7,800	
91	M101A TO 104A	28x22 Supply diffuser 3500 CFM		0%	1	ea	\$ 7,000.00	\$ 2,450.00	\$ 3,500.00	\$ 1,050.00	\$ 7,000	
92	M101A TO 104A	30x12 Supply diffuser 2150 CFM		0%	2	ea	\$ 4,300.00	\$ 3,010.00	\$ 4,300.00	\$ 1,290.00	\$ 8,600	
93	M101A TO 104A	32x14 Supply duffisuer 2800		0%	1	ea	\$ 5,600.00	\$ 1,960.00	\$ 2,800.00	\$ 840.00	\$ 5,600	
94	M101A TO 104A	32x16 Supply diffuser 3300 CFM	4	0%	4	ea	\$ 6,600.00	\$ 9,240.00	\$ 13,200.00	\$ 3,960.00	\$ 26,400	
95	M101A TO 104A	36x12 Supply diffuser 2600 CFM	2	0%	2	ea	\$ 5,200.00	\$ 3,640.00	\$ 5,200.00	\$ 1,560.00	\$ 10,400	
96	M101A TO 104A	36X16 Supply diffuser 3600 CFM	4	0%	4	ea	\$ 7,200.00	\$ 10,080.00	\$ 14,400.00	\$ 4,320.00	\$ 28,800	
97	M101A TO 104A	48x8 Supply diffuser 1100 CFM	1	0%	1	ea	\$ 2,200.00	\$ 770.00	\$ 1,100.00	\$ 330.00	\$ 2,200	
98	M101A TO 104A	48x12 Return grill 3500 CFM	2	0%	2	ea	\$ 7,000.00	\$ 4,900.00	\$ 7,000.00	\$ 2,100.00	\$ 14,000	
99	M101A TO 104A	50x12 Return grill 3650 CFM		0%	3	ea	\$ 7,300.00	\$ 7,665.00	\$ 10,950.00	\$ 3,285.00	\$ 21,900	
100	M101A TO 104A	50x12 Supply diffuser 3650 Cfm		0%	2	ea	\$ 7,300.00	\$ 5,110.00	\$ 7,300.00	\$ 2,190.00	\$ 14,600	
101	M101A TO 104A	52x28 Return grill		0%	1	ea	\$ 5,400.00	\$ 1,890.00	\$ 2,700.00	\$ 810.00	\$ 5,400	
102	M101A TO 104A	Air take louver 500 CFM		0%	1	ea	\$ 1,000.00	\$ 350.00	\$ 500.00	\$ 150.00	\$ 1,000	
103	M101A TO 104A	Ceiling return register with fire		0%	26	ea	\$ 900.00	\$ 8,190.00	\$ 11,700.00	\$ 3,510.00	\$ 23,400	
104	M101A TO 104A	Ceiling return register with fire		0%	26	ea	\$ 900.00	\$ 8,190.00	\$ 11,700.00	\$ 3,510.00	\$ 23,400	
105	M101A TO 104A	Condenser exhaust	2	0%	2	ea	\$ 650.00	\$ 455.00	\$ 650.00	\$ 195.00	\$ 1,300	
106	M101A TO 104A	Condenser intake	2	0%	2	ea	\$ 500.00	\$ 350.00	\$ 500.00	\$ 150.00	\$ 1,000	
107	M101A TO 104A	Liner diffuser 210 CFM	1	0%	1	ea	\$ 420.00	\$ 147.00	\$ 210.00	\$ 63.00	\$ 420	
108	M101A TO 104A	Liner diffuser 240 CFM	7	0%	7	ea	\$ 480.00	\$ 1,176.00	\$ 1,680.00	\$ 504.00	\$ 3,360	
109	M101A TO 104A	Liner diffuser 250 CFM		0%	2	ea	\$ 500.00	\$ 350.00	\$ 500.00	\$ 150.00	\$ 1,000	
110	M101A TO 104A	Liner diffuser 360 CFM		0%	9	ea	\$ 720.00	\$ 2,268.00	\$ 3,240.00	\$ 972.00	\$ 6,480	
111	M101A TO 104A	Liner diffuser 400 CFM		0%	4	ea	\$ 800.00	\$ 1,120.00	\$ 1,600.00	\$ 480.00	\$ 3,200	
				0%								
112	M101A TO 104A	Liner diffuser 500 CFM			1	ea	\$ 1,000.00	\$ 350.00	\$ 500.00	\$ 150.00	\$ 1,000	
113	M101A TO 104A	Liner diffuser 640 CFM		0%	3	ea	\$ 1,280.00	\$ 1,344.00	\$ 1,920.00	\$ 576.00	\$ 3,840	
114	M101A TO 104A	Return grill 400 CFM		0%	1	ea	\$ 800.00	\$ 280.00	\$ 400.00	\$ 120.00	\$ 800	
115	M101A TO 104A	Supply diffuser 400 CFM	1	0%	1	ea	\$ 800.00	\$ 280.00	\$ 400.00	\$ 120.00	\$ 800	
		Unit										
116	M101A TO 104A	1500 W electric baseboard heater	4	0%	4	ea	\$ 3,000.00	\$ 4,200.00	\$ 6,000.00	\$ 1,800.00	\$ 12,000	
	M101A TO 104A	Ac heating unit 5 ton		0%	1	ea	\$ 12,000.00	\$ 4,200.00	\$ 6,000.00	\$ 1,800.00	\$ 12,000	

118	M101A TO 104A	IIItin		0%			£ 10 000 00	\$ 31,500.00	\$ 45,000.00	\$ 13,500.00	£ 00 000	
		Heating ventilating & air		0%	5		\$ 18,000.00				\$ 90,000	
119	M101A TO 104A	Exhaust fan 3500 CFM			2	ea	\$ 7,000.00	\$ 4,900.00	\$ 7,000.00	\$ 2,100.00	\$ 14,000	
120	M101A TO 104A	Exhaust fan 3600 CFM		0%	66	ea	\$ 7,200.00	\$ 166,320.00	\$ 237,600.00	\$ 71,280.00	\$ 475,200	
121	M101A TO 104A	Electric unit heater 350 CFM	4	0%	4	ea	\$ 700.00	\$ 980.00	\$ 1,400.00	\$ 420.00	\$ 2,800	
122	M101A TO 104A	Split ac unit 1 ton	170	0%	170	ea	\$ 4,500.00	\$ 267,750.00	\$ 382,500.00	\$ 114,750.00	\$ 765,000	
123	M101A TO 104A	Fire smoke damper	2	0%	2	ea	\$ 450.00	\$ 315.00	\$ 450.00	\$ 135.00	\$ 900	
124	M101A TO 104A	Fussible link damper	29	0%	29	ea	\$ 350.00	\$ 3,552.50	\$ 5,075.00	\$ 1,522.50	\$ 10,150	
		Pipe										
125	M101A TO 104A	Drain	3,444	5%	3,616	lf	\$ 18.00	\$ 22,782.10	\$ 32,545.80	\$ 9,763.70	\$ 65,092	
126	M101A TO 104A	Supply return power &	2,872		3,016	lf	\$ 12.00	\$ 12,665.50	\$ 18,093.60	\$ 5,428.10	\$ 36,187	
120	101111111111111111111111111111111111111		2,072	. 570	5,010		\$ 12.00	\$ 12,005.50	\$ 10,075.00	\$ 5,426.10	\$ 50,107	
		Building B										
		Duct										
127	M-100C,101C,102C	4" round flex	740	5%	777	lf	\$ 8.00	\$ 2,175.60	\$ 3,108.00	\$ 932.40	\$ 6,216	
128	M-100C,101C,102C	6" round rigid air duct	484	5%	508	lf	\$ 12.00	\$ 2,134.40	\$ 3,049.20	\$ 914.80	\$ 6,098	
129	M-100C,101C,102C	8"x8" duct	29	5%	30	lf	\$ 16.00	\$ 170.50	\$ 243.60	\$ 73.10	\$ 487	
130	M-100C,101C,102C	10"x4" duct	52	5%	55	lf	\$ 20.00	\$ 382.20	\$ 546.00	\$ 163.80	\$ 1,092	
131	M-100C,101C,102C	18"x4" duct		5%	6	lf	\$ 36.00	\$ 79.40	\$ 113.40	\$ 34.00	\$ 227	
132	M-100C,101C,102C	72"x34" duct		5%	143	lf	\$ 144.00	\$ 7,197.10	\$ 10,281.60	\$ 3,084.50	\$ 20,563	
132	W-100C,101C,102C		130	370	143	11	3 144.00	3 7,197.10	\$ 10,281.00	\$ 3,004.50	\$ 20,505	
		Pipe										
133	M-100C,101C,102C	Drain pipe	2,193	5%	2,303	lf	\$ 18.00	\$ 14,506.70	\$ 20,723.90	\$ 6,217.20	\$ 41,448	
134	M-100C,101C,102C	Supply,return,power&interconnect	1,759	5%	1,847	lf	\$ 12.00	\$ 7,757.20	\$ 11,081.70	\$ 3,324.50	\$ 22,163	
		Diffuser,grill,register										
135	M-100C,101C,102C	12"x12" supply diffuser 400cfm	1	0%	1	ea	\$ 800.00	\$ 280.00	\$ 400.00	\$ 120.00	\$ 800	
136	M-100C,101C,102C	16"x12" return grill 400cfm	1	0%	1	ea	\$ 800.00	\$ 280.00	\$ 400.00	\$ 120.00	\$ 800	
137	M-100C,101C,102C	30"x12" supply diffuser 2150cfm		0%	1	ea	\$ 4,300.00	\$ 1,505.00	\$ 2,150.00	\$ 645.00	\$ 4,300	
138	M-100C,101C,102C	8"x8" ceiling register 230cfm		0%	3	ea	\$ 460.00	\$ 483.00	\$ 690.00	\$ 207.00	\$ 1,380	
											1	
139	M-100C,101C,102C	80"x40" wall register 28000cfm		0%	1	ea	\$ 56,000.00	\$ 19,600.00	\$ 28,000.00	\$ 8,400.00	\$ 56,000	
140	M-100C,101C,102C	72"x34" wall register 24000cfm		0%	2	ea	\$ 48,000.00	\$ 33,600.00	\$ 48,000.00	\$ 14,400.00	\$ 96,000	
141	M-100C,101C,102C	12"x12" wall register 550cfm	4	0%	4	ea	\$ 1,100.00	\$ 1,540.00	\$ 2,200.00	\$ 660.00	\$ 4,400	
142	M-100C,101C,102C	6"x6" ceiling register 110cfm	1	0%	1	ea	\$ 220.00	\$ 77.00	\$ 110.00	\$ 33.00	\$ 220	
143	M-100C,101C,102C	14"x12" wall register 800cfm	1	0%	1	ea	\$ 1,600.00	\$ 560.00	\$ 800.00	\$ 240.00	\$ 1,600	
144	M-100C,101C,102C	6"x4" wall register 60cfm	5	0%	5	ea	\$ 120.00	\$ 210.00	\$ 300.00	\$ 90.00	\$ 600	
145	M-100C,101C,102C	18"x8" wall register 550cfm		0%	4	ea	\$ 1,100.00	\$ 1,540.00	\$ 2,200.00	\$ 660.00	\$ 4,400	
146	M-100C,101C,102C	-		0%	1	ea	\$ 4,400.00	\$ 1,540.00	\$ 2,200.00	\$ 660.00	\$ 4,400	
140	M-100C,101C,102C	38"x10" wall register 2200cfm	1	070	1	ca	3 4,400.00	3 1,540.00	\$ 2,200.00	\$ 660.00	3 4,400	
		Units										
147	M-100C,101C,102C	Air conditioning unit 1 ton	1	0%	1	ea	\$ 4,500.00	\$ 1,575.00	\$ 2,250.00	\$ 675.00	\$ 4,500	
148	M-100C,101C,102C	Air conditioning unit 10 ton	1	0%	1	ea	\$ 30,000.00	\$ 10,500.00	\$ 15,000.00	\$ 4,500.00	\$ 30,000	
149	M-100C,101C,102C	Electric base board heater 5118	5	0%	5	ea	\$ 11,000.00	\$ 19,250.00	\$ 27,500.00	\$ 8,250.00	\$ 55,000	
150	M-100C,101C,102C	Electric unit heater 350cfm	7	0%	7	ea	\$ 750.00	\$ 1,837.50	\$ 2,625.00	\$ 787.50	\$ 5,250	
151	M-100C,101C,102C	Exhaust fan 2150cfm	1	0%	1	ea	\$ 4,300.00	\$ 1,505.00	\$ 2,150.00	\$ 645.00	\$ 4,300	
152	M-100C,101C,102C	Exhaust fan 30000 cfm		0%	6	ea	\$ 12,000.00	\$ 25,200.00	\$ 36,000.00	\$ 10,800.00	\$ 72,000	
				0%								
153	M-100C,101C,102C	Splic ac unit 1 ton	89	0%	89	ea	\$ 4,500.00	\$ 140,175.00	\$ 200,250.00	\$ 60,075.00	\$ 400,500	
		Building C										
		Duct										
154	M-100C,101C,102C	4" round flex	740	5%	777	lf	\$ 88.00	\$ 23,931.60	\$ 34,188.00	\$ 10,256.40	\$ 68,376	
155	M-100C,101C,102C	6" round rigid air duct	484	5%	508	lf	\$ 12.00	\$ 2,134.40	\$ 3,049.20	\$ 914.80	\$ 6,098	
156	M-100C,101C,102C	8"x8" duct		5%	30	lf	\$ 16.00	\$ 170.50	\$ 243.60	\$ 73.10	\$ 487	
157	M-100C,101C,102C	10"x4" duct		5%	55	lf	\$ 20.00	\$ 382.20	\$ 546.00	\$ 163.80	\$ 1,092	
158	M-100C,101C,102C	18"x4" duct		5%	6	lf	\$ 36.00	\$ 79.40	\$ 113.40	\$ 34.00	\$ 227	
159	M-100C,101C,102C	72"x34" duct	136	5%	143	lf	\$ 144.00	\$ 7,197.10	\$ 10,281.60	\$ 3,084.50	\$ 20,563	
		Pipe										
160	M-100C,101C,102C	Drain pipe	2,193	5%	2,303	lf	\$ 18.00	\$ 14,506.70	\$ 20,723.90	\$ 6,217.20	\$ 41,448	
	M 100C 101C 102C	Supply,return,power&interconnect	1,759	5%	1,847	lf	\$ 12.00	\$ 7,757.20	\$ 11,081.70	\$ 3,324.50	\$ 22,163	
161	M-100C,101C,102C	The second secon										
161	M-100C,101C,102C	Diffuser,grill,register					1	1			+	
			1	0%	1	ea	\$ 800.00	\$ 280.00	\$ 400.00	\$ 120.00	\$ 800	
162	M-100C,101C,102C	12"x12" supply diffuser 400cfm		0%	1	ea ea	\$ 800.00	\$ 280.00 \$ 280.00	\$ 400.00 \$ 400.00	\$ 120.00 \$ 120.00	\$ 800 \$ 800	
162 163	M-100C,101C,102C M-100C,101C,102C	12"x12" supply diffuser 400cfm 16"x12" return grill 400cfm	1	0%	1	ea	\$ 800.00	\$ 280.00	\$ 400.00	\$ 120.00	\$ 800	
162 163 164	M-100C,101C,102C M-100C,101C,102C M-100C,101C,102C	12"x12" supply diffuser 400cfm 16"x12" return grill 400cfm 30"x12" supply diffuser 2150cfm	1	0%	1	ea ea	\$ 800.00 \$ 4,300.00	\$ 280.00 \$ 1,505.00	\$ 400.00 \$ 2,150.00	\$ 120.00 \$ 645.00	\$ 800 \$ 4,300	
162 163 164 165	M-100C,101C,102C M-100C,101C,102C M-100C,101C,102C M-100C,101C,102C	12"x12" supply diffuser 400cfm 16"x12" return grill 400cfm 30"x12" supply diffuser 2150cfm 8"x8" ceiling register 230cfm	1 1 3	0% 0% 0%	1 1 3	ea ea ea	\$ 800.00 \$ 4,300.00 \$ 460.00	\$ 280.00 \$ 1,505.00 \$ 483.00	\$ 400.00 \$ 2,150.00 \$ 690.00	\$ 120.00 \$ 645.00 \$ 207.00	\$ 800 \$ 4,300 \$ 1,380	
162 163 164	M-100C,101C,102C M-100C,101C,102C M-100C,101C,102C	12"x12" supply diffuser 400cfm 16"x12" return grill 400cfm 30"x12" supply diffuser 2150cfm	1 1 3	0%	1	ea ea	\$ 800.00 \$ 4,300.00	\$ 280.00 \$ 1,505.00	\$ 400.00 \$ 2,150.00	\$ 120.00 \$ 645.00	\$ 800 \$ 4,300	
162 163 164 165	M-100C,101C,102C M-100C,101C,102C M-100C,101C,102C M-100C,101C,102C	12"x12" supply diffuser 400cfm 16"x12" return grill 400cfm 30"x12" supply diffuser 2150cfm 8"x8" ceiling register 230cfm	1 1 3	0% 0% 0%	1 1 3	ea ea ea	\$ 800.00 \$ 4,300.00 \$ 460.00	\$ 280.00 \$ 1,505.00 \$ 483.00	\$ 400.00 \$ 2,150.00 \$ 690.00	\$ 120.00 \$ 645.00 \$ 207.00	\$ 800 \$ 4,300 \$ 1,380	
162 163 164 165	M-100C,101C,102C M-100C,101C,102C M-100C,101C,102C M-100C,101C,102C M-100C,101C,102C	12"x12" supply diffuser 400cfm 16"x12" return grill 400cfm 30"x12" supply diffuser 2150cfm 8"x8" ceiling register 230cfm 80"x40" wall register 28000cfm	1 1 3 1	0% 0% 0% 0%	1 3 3	ea ea ea	\$ 800.00 \$ 4,300.00 \$ 460.00 \$ 56,000.00	\$ 280.00 \$ 1,505.00 \$ 483.00 \$ 19,600.00	\$ 400.00 \$ 2,150.00 \$ 690.00 \$ 28,000.00	\$ 120.00 \$ 645.00 \$ 207.00 \$ 8,400.00	\$ 800 \$ 4,300 \$ 1,380 \$ 56,000	
162 163 164 165 166 167	M-100C,101C,102C M-100C,101C,102C M-100C,101C,102C M-100C,101C,102C M-100C,101C,102C M-100C,101C,102C M-100C,101C,102C	12"x12" supply diffuser 400cfm 16"x12" return grill 400cfm 30"x12" supply diffuser 2150cfm 8"x8" ceiling register 230cfm 80"x40" wall register 28000cfm 72"x34" wall register 24000cfm 12"x12" wall register 550cfm	1 3 1 2 4	0% 0% 0% 0%	1 1 3 1 2	ea ea ea ea	\$ 800.00 \$ 4,300.00 \$ 460.00 \$ 56,000.00 \$ 48,000.00	\$ 280.00 \$ 1,505.00 \$ 483.00 \$ 19,600.00 \$ 33,600.00	\$ 400.00 \$ 2,150.00 \$ 690.00 \$ 28,000.00 \$ 48,000.00	\$ 120.00 \$ 645.00 \$ 207.00 \$ 8,400.00 \$ 14,400.00	\$ 800 \$ 4,300 \$ 1,380 \$ 56,000 \$ 96,000	
162 163 164 165 166 167 168	M-100C,101C,102C M-100C,101C,102C M-100C,101C,102C M-100C,101C,102C M-100C,101C,102C M-100C,101C,102C M-100C,101C,102C M-100C,101C,102C M-100C,101C,102C	12"x12" supply diffuser 400cfm 16"x12" return grill 400cfm 30"x12" supply diffuser 2150cfm 8"x8" ceiling register 230cfm 80"x40" wall register 28000cfm 72"x34" wall register 24000cfm 12"x12" wall register 550cfm 6"x6" ceiling register 110cfm	1 1 3 1 2 4	0% 0% 0% 0% 0% 0% 0%	1 1 3 1 2 4	ea ea ea ea ea ea	\$ 800.00 \$ 4,300.00 \$ 460.00 \$ 56,000.00 \$ 48,000.00 \$ 1,100.00 \$ 220.00	\$ 280.00 \$ 1,505.00 \$ 483.00 \$ 19,600.00 \$ 33,600.00 \$ 1,540.00 \$ 77.00	\$ 400.00 \$ 2,150.00 \$ 690.00 \$ 28,000.00 \$ 48,000.00 \$ 2,200.00 \$ 110.00	\$ 120.00 \$ 645.00 \$ 207.00 \$ 8,400.00 \$ 14,400.00 \$ 660.00 \$ 33.00	\$ 800 \$ 4,300 \$ 1,380 \$ 56,000 \$ 96,000 \$ 4,400 \$ 220	
162 163 164 165 166 167 168 169	M-100C,101C,102C	12"x12" supply diffuser 400cfm 16"x12" return grill 400cfm 30"x12" supply diffuser 2150cfm 8"x8" ceiling register 230cfm 80"x40" wall register 28000cfm 72"x34" wall register 24000cfm 12"x12" wall register 550cfm 6"x6" ceiling register 110cfm 14"x12" wall register 800cfm	1 1 3 1 2 4 1 1	0% 0% 0% 0% 0% 0% 0% 0%	1 1 3 1 2 4 1	ea ea ea ea ea ea ea	\$ 800.00 \$ 4,300.00 \$ 460.00 \$ 56,000.00 \$ 48,000.00 \$ 1,100.00 \$ 1,600.00	\$ 280.00 \$ 1,505.00 \$ 483.00 \$ 19,600.00 \$ 33,600.00 \$ 1,540.00 \$ 77.00 \$ 560.00	\$ 400.00 \$ 2,150.00 \$ 690.00 \$ 28,000.00 \$ 48,000.00 \$ 2,200.00 \$ 110.00 \$ 800.00	\$ 120.00 \$ 645.00 \$ 207.00 \$ 8,400.00 \$ 14,400.00 \$ 660.00 \$ 33.00 \$ 240.00	\$ 800 \$ 4,300 \$ 1,380 \$ 56,000 \$ 96,000 \$ 4,400 \$ 220 \$ 1,600	
162 163 164 165 166 167 168 169 170	M-100C,101C,102C	12"x12" supply diffuser 400cfm 16"x12" return grill 400cfm 30"x12" supply diffuser 2150cfm 8"x8" ceiling register 230cfm 80"x40" wall register 28000cfm 72"x34" wall register 24000cfm 12"x12" wall register 550cfm 6"x6" ceiling register 110cfm 14"x12" wall register 800cfm 6"x4" wall register 800cfm	1 1 3 1 2 4 1 1 1 5	0% 0% 0% 0% 0% 0% 0% 0%	1 3 1 2 4 1 1	ea ea ea ea ea ea ea ea	\$ 800.00 \$ 4,300.00 \$ 460.00 \$ 56,000.00 \$ 1,100.00 \$ 1,600.00 \$ 120.00	\$ 280.00 \$ 1,505.00 \$ 483.00 \$ 19,600.00 \$ 33,600.00 \$ 77.00 \$ 560.00 \$ 210.00	\$ 400.00 \$ 2,150.00 \$ 690.00 \$ 28,000.00 \$ 48,000.00 \$ 110.00 \$ 800.00 \$ 300.00	\$ 120.00 \$ 645.00 \$ 207.00 \$ 8,400.00 \$ 14,400.00 \$ 660.00 \$ 33.00 \$ 240.00 \$ 90.00	\$ 800 \$ 4,300 \$ 1,380 \$ 56,000 \$ 96,000 \$ 4,400 \$ 220 \$ 1,600 \$ 600	
162 163 164 165 166 167 168 169	M-100C,101C,102C	12"x12" supply diffuser 400cfm 16"x12" return grill 400cfm 30"x12" supply diffuser 2150cfm 8"x8" ceiling register 230cfm 80"x40" wall register 28000cfm 72"x34" wall register 24000cfm 12"x12" wall register 550cfm 6"x6" ceiling register 110cfm 14"x12" wall register 800cfm	1 1 3 1 2 4 1 1 1 5 4	0% 0% 0% 0% 0% 0% 0% 0%	1 1 3 1 2 4 1	ea ea ea ea ea ea ea	\$ 800.00 \$ 4,300.00 \$ 460.00 \$ 56,000.00 \$ 48,000.00 \$ 1,100.00 \$ 1,600.00	\$ 280.00 \$ 1,505.00 \$ 483.00 \$ 19,600.00 \$ 33,600.00 \$ 1,540.00 \$ 77.00 \$ 560.00	\$ 400.00 \$ 2,150.00 \$ 690.00 \$ 28,000.00 \$ 48,000.00 \$ 2,200.00 \$ 110.00 \$ 800.00	\$ 120.00 \$ 645.00 \$ 207.00 \$ 8,400.00 \$ 14,400.00 \$ 660.00 \$ 33.00 \$ 240.00	\$ 800 \$ 4,300 \$ 1,380 \$ 56,000 \$ 96,000 \$ 4,400 \$ 220 \$ 1,600	

174	M 100C 101C 102C	Air conditioning pair 1 ton	1	0%	1		\$ 4500.00	\$ 1,575.00	\$ 2,250.00	\$ 675.00	\$ 4,500	
	M-100C,101C,102C	Air conditioning unit 1 ton			1		\$ 4,500.00					
175	M-100C,101C,102C	Air conditioning unit 10 ton		0%	1	ea	\$ 30,000.00	\$ 10,500.00	\$ 15,000.00	\$ 4,500.00	\$ 30,000	
176	M-100C,101C,102C	Electric base board heater 5118		0%	5	ea	\$ 11,000.00	\$ 19,250.00	\$ 27,500.00	\$ 8,250.00	\$ 55,000	
177	M-100C,101C,102C	Electric unit heater 350cfm	7	0%	7	ea	\$ 1,800.00	\$ 4,410.00	\$ 6,300.00	\$ 1,890.00	\$ 12,600	
178	M-100C,101C,102C	Exhaust fan 2150cfm	1	0%	1	ea	\$ 3,000.00	\$ 1,050.00	\$ 1,500.00	\$ 450.00	\$ 3,000	
179	M-100C,101C,102C	Exhaust fan 30000 cfm	6	0%	6	ea	\$ 12,000.00	\$ 25,200.00	\$ 36,000.00	\$ 10,800.00	\$ 72,000	
180	M-100C,101C,102C	Splic ac unit 1 ton	89	0%	89	ea	\$ 4,500.00	\$ 140,175.00	\$ 200,250.00	\$ 60,075.00	\$ 400,500	
	,.,.	Building D	-				,,,,,,,,,	,	,	,	,	
		Duct Duct										
101	N. 100D 101D		240	50/	2.52		0.000	0.505.00		0.000.40	0.0016	
181	M-100D,101D	4" round flex		5%	252	lf	\$ 8.00	\$ 705.60	\$ 1,008.00	\$ 302.40	\$ 2,016	
182	M-100D,101D	6" round rigid air duct	161	5%	169	lf	\$ 12.00	\$ 710.00	\$ 1,014.30	\$ 304.30	\$ 2,029	
183	M-100D,101D	6"x4" duct	3	5%	3	lf	\$ 12.00	\$ 13.20	\$ 18.90	\$ 5.70	\$ 38	
184	M-100D,101D	8"x6" duct	14	5%	15	lf	\$ 16.00	\$ 82.30	\$ 117.60	\$ 35.30	\$ 235	
185	M-100D,101D	12"x8" duct	14	5%	15	lf	\$ 24.00	\$ 123.50	\$ 176.40	\$ 52.90	\$ 353	
	· · · · · · · · · · · · · · · · · · ·	Pipe										
186	M-100D,101D	Drain pipe	926	5%	878	lf	\$ 18.00	\$ 5,530.10	\$ 7,900.20	\$ 2,370.10	\$ 15,800	
187	M-100D,101D	Supply,return,power&interconnect	499	5%	524	lf	\$ 12.00	\$ 2,200.60	\$ 3,143.70	\$ 943.10	\$ 6,287	
		Diffuser.grill,register										
188	M-100D,101D	12"x12" supply diffuser 400cfm	1	0%	1	ea	\$ 800.00	\$ 280.00	\$ 400.00	\$ 120.00	\$ 800	
189	M-100D,101D	38"x12" supply diffuser 2750 cfm	2	0%	2	ea	\$ 5,500.00	\$ 3,850.00	\$ 5,500.00	\$ 1,650.00	\$ 11,000	
190	M-100D,101D	12"x12" supply grill 400cfm	1	0%	1	ea	\$ 800.00	\$ 280.00	\$ 400.00	\$ 120.00	\$ 800	
191	M-100D,101D	16"x12" return grill 400cfm		0%	1	ea	\$ 800.00	\$ 280.00	\$ 400.00	\$ 120.00	\$ 800	
192	M-100D,101D	6"x4" wall register 60cfm		0%			\$ 120.00	\$ 42.00	\$ 60.00	\$ 18.00	\$ 120	
					1	ea						
193	M-100D,101D	12"x6" ceiling register 270cfm		0%	1	ea	\$ 540.00	\$ 189.00	\$ 270.00	\$ 81.00	\$ 540	
194	M-100D,101D	10"x10" wall register 430cfm		0%	4	ea	\$ 860.00	\$ 1,204.00	\$ 1,720.00	\$ 516.00	\$ 3,440	
195	M-100D,101D	12"x10" wall register 540cfm	1	0%	1	ea	\$ 1,080.00	\$ 378.00	\$ 540.00	\$ 162.00	\$ 1,080	
196	M-100D,101D	32"x10" wall register 1800cfm	1	0%	1	ea	\$ 3,600.00	\$ 1,260.00	\$ 1,800.00	\$ 540.00	\$ 3,600	
197	M-100D,101D	14"x8" wall register 430cfm	4	0%	4	ea	\$ 860.00	\$ 1,204.00	\$ 1,720.00	\$ 516.00	\$ 3,440	
		Unit										
198	M-100D,101D	Exhaust fan 17500cfm	2	0%	2	ea	\$ 35,000.00	\$ 24,500.00	\$ 35,000.00	\$ 10,500.00	\$ 70,000	
199	M-100D,101D	Exhaust fan 930cfm		0%	1	ea	\$ 1,860.00	\$ 651.00	\$ 930.00	\$ 279.00	\$ 1,860	
200	M-100D,101D	Electric unit heater 350cfm	4	0%	4	ea	\$ 700.00	\$ 980.00	\$ 1,400.00	\$ 420.00	\$ 2,800	
201	M-100D,101D	Electric baseboard heater 5118 btu	2	0%	2	ea	\$ 11,000.00	\$ 7,700.00	\$ 11,000.00	\$ 3,300.00	\$ 22,000	
202	M-100D,101D	Air handling unit 1 ton	1	0%	1	ea	\$ 4,500.00	\$ 1,575.00	\$ 2,250.00	\$ 675.00	\$ 4,500	
203	M-100D,101D	Air handling unit 7.5 ton	1	0%	1	ea	\$ 22,500.00	\$ 7,875.00	\$ 11,250.00	\$ 3,375.00	\$ 22,500	
204	M-100D,101D	Split ac units 1 ton	60	0%	60	ea	\$ 4,500.00	\$ 94,500.00	\$ 135,000.00	\$ 40,500.00	\$ 270,000	
		Building E					,	47.00	*,	*,*	7-11,111	
		-										
		Duct										
205	M-100E,101E	4" round flex	587	5%	616	lf	\$ 8.00	\$ 1,725.80	\$ 2,465.40	\$ 739.60	\$ 4,931	
206	M-100E,101E	6" round rigid air duct	359	5%	377	lf	\$ 12.00	\$ 1,583.20	\$ 2,261.70	\$ 678.50	\$ 4,523	
207	M-100E,101E	6"x4" duct	16	5%	17	lf	\$ 12.00	\$ 70.60	\$ 100.80	\$ 30.20	\$ 202	
208	M-100E,101E	8"x6" duct	38	5%	40	lf	\$ 16.00	\$ 223.40	\$ 319.20	\$ 95.80	\$ 638	
209	M-100E,101E	12"x8" duct	28	5%	29	lf	\$ 24.00	\$ 247.00	\$ 352.80	\$ 105.80	\$ 706	
								V = 11111		* * * * * * * * * * * * * * * * * * * *	****	
210	M 100E 101E	Drain pipe	1000	F0.	1055	10	6 10 00	6 10 220 10	0.17.614.00	0.5.204.10	6.25.220	
210	M-100E,101E	Drain pipe	1,864			lf	\$ 18.00	\$ 12,330.40	\$ 17,614.80	\$ 5,284.40	\$ 35,230	
211	M-100E,101E	Supply,return,power&interconnect	1,283	5%	1,347	lf	\$ 12.00	\$ 5,658.00	\$ 8,082.90	\$ 2,424.90	\$ 16,166	
		Diffuser,grill,register										
212	M-100E,101E	12"x12" supply grill 400cfm	1	0%	1	ea	\$ 800.00	\$ 280.00	\$ 400.00	\$ 120.00	\$ 800	
213	M-100E,101E	16"x12" return grill 400cfm	1	0%	1	ea	\$ 800.00	\$ 280.00	\$ 400.00	\$ 120.00	\$ 800	
214	M-100E,101E	6"x4" wall register 60cfm		0%	1	ea	\$ 120.00	\$ 42.00	\$ 60.00	\$ 18.00	\$ 120	
215	M-100E,101E			0%			\$ 540.00	\$ 189.00	\$ 270.00	\$ 81.00	\$ 540	
	· ·	12"x6" ceiling register 270cfm			1	ea						
216	M-100E,101E	10"x10" wall register 430cfm		0%	4	ea	\$ 860.00	\$ 1,204.00	\$ 1,720.00	\$ 516.00	\$ 3,440	
217	M-100E,101E	12"x12" wall register 680cfm	1	0%	1	ea	\$ 1,360.00	\$ 476.00	\$ 680.00	\$ 204.00	\$ 1,360	
218	M-100E,101E	32"x10" wall register 1800cfm	1	0%	1	ea	\$ 3,600.00	\$ 1,260.00	\$ 1,800.00	\$ 540.00	\$ 3,600	
219	M-100E,101E	14"x8" wall register 430cfm	4	0%	4	ea	\$ 860.00	\$ 1,204.00	\$ 1,720.00	\$ 516.00	\$ 3,440	
		Unit										
220	M-100E,101E	Air handling unit 1 ton	1	0%	1	ea	\$ 4,500.00	\$ 1,575.00	\$ 2,250.00	\$ 675.00	\$ 4,500	
221	M-100E,101E M-100E,101E			0%							\$ 22,500	
		Air handling unit 7.5 ton			1	ea	\$ 22,500.00	\$ 7,875.00	\$ 11,250.00	\$ 3,375.00		
222	M-100E,101E	Split ac units 1 ton		0%	82	ea	\$ 4,500.00	\$ 129,150.00	\$ 184,500.00	\$ 55,350.00	\$ 369,000	
223	M-100E,101E	Electric baseboard heater 5118 btu		0%	2	ea	\$ 11,000.00	\$ 7,700.00	\$ 11,000.00	\$ 3,300.00	\$ 22,000	
224	M-100E,101E	Electric unit heater 350cfm	4	0%	4	ea	\$ 700.00	\$ 980.00	\$ 1,400.00	\$ 420.00	\$ 2,800	
225	M-100E,101E	Exhaust fan 675cfm	1	0%	1	ea	\$ 1,350.00	\$ 472.50	\$ 675.00	\$ 202.50	\$ 1,350	
226	M-100E,101E	Exhaust fan 17500cfm	2	0%	2	ea	\$ 35,000.00	\$ 24,500.00	\$ 35,000.00	\$ 10,500.00	\$ 70,000	
		Building F	_	H							1 1 1 1 1	
		-										
25-		Duct							0.4			
227	M-100F,101F	4" round flex		5%	425	lf	\$ 8.00	\$ 1,190.70	\$ 1,701.00	\$ 510.30	\$ 3,402	
228	M-100F,101F	6" round rigid air duct		5%	61	lf	\$ 12.00	\$ 255.80	\$ 365.40	\$ 109.60	\$ 731	

229	M-100F,101F	10"x4" duct	36	5%	38	lf	\$ 20.00	\$ 264.60	\$ 378.00	\$ 113.40	\$ 756	
230	M-100F,101F	12"x8" duct	48	5%	50	lf	\$ 24.00	\$ 423.40	\$ 604.80	\$ 181.40	\$ 1,210	
231	M-100F,101F	12"x12" duct	4	5%	4	lf	\$ 24.00	\$ 35.30	\$ 50.40	\$ 15.10	\$ 101	
232	M-100F,101F	14"x8" duct	9	5%	9	lf	\$ 28.00	\$ 92.60	\$ 132.30	\$ 39.70	\$ 265	
233	M-100F,101F	18"x8" duct	15	5%	16	lf	\$ 36.00	\$ 198.50	\$ 283.50	\$ 85.10	\$ 567	
234	M-100F,101F	20"x8" duct	16	5%	17	lf	\$ 40.00	\$ 235.20	\$ 336.00	\$ 100.80	\$ 672	
235	M-100F,101F	26"x12" duct	34	5%	36	lf	\$ 52.00	\$ 649.70	\$ 928.20	\$ 278.50	\$ 1,856	
236	M-100F,101F	60"x30" duct	22	5%	23	lf	\$ 120.00	\$ 970.20	\$ 1,386.00	\$ 415.80	\$ 2,772	
		Drain pipe										
237	M-100F,101F	Drain pipe	1,280	5%	1,344	lf	\$ 18.00	\$ 8,467.20	\$ 12,096.00	\$ 3,628.80	\$ 24,192	
238	M-100F,101F	Supply,return,power&interconnect	949	5%	996	lf	\$ 12.00	\$ 4,185.10	\$ 5,978.70	\$ 1,793.60	\$ 11,957	
		Supply,return,diffuser										
239	M-100F,101F	22"x8" return diffuser 800cfm	1	0%	1	ea	\$ 1,600.00	\$ 560.00	\$ 800.00	\$ 240.00	\$ 1,600	
240	M-100F,101F	32"x16" supply duct 3300cfm	1	0%	1	ea	\$ 6,600.00	\$ 2,310.00	\$ 3,300.00	\$ 990.00	\$ 6,600	
241	M-100F,101F	6"x4" wall register 50cfm	1	0%	1	ea	\$ 100.00	\$ 35.00	\$ 50.00	\$ 15.00	\$ 100	
242	M-100F,101F	6"x4" wall register 60cfm	4	0%	4	ea	\$ 120.00	\$ 168.00	\$ 240.00	\$ 72.00	\$ 480	
243	M-100F,101F	10"x6" ceiling register 270cfm	2	0%	2	ea	\$ 540.00	\$ 378.00	\$ 540.00	\$ 162.00	\$ 1,080	
244	M-100F,101F	10"x6" wall register 270cfm	1	0%	1	ea	\$ 540.00	\$ 189.00	\$ 270.00	\$ 81.00	\$ 540	
245	M-100F,101F	12"x8" ceiling register 400cfm	1	0%	1	ea	\$ 800.00	\$ 280.00	\$ 400.00	\$ 120.00	\$ 800	
246	M-100F,101F	14"x8" wall register 490 cfm	2	0%	2	ea	\$ 980.00	\$ 686.00	\$ 980.00	\$ 294.00	\$ 1,960	
247	M-100F,101F	18"x6" wall register 430cfm	1	0%	1	ea	\$ 860.00	\$ 301.00	\$ 430.00	\$ 129.00	\$ 860	
248	M-100F,101F	14"x14" ceiling register 930cfm	1	0%	1	ea	\$ 1,860.00	\$ 651.00	\$ 930.00	\$ 279.00	\$ 1,860	
249	M-100F,101F	14"x12" wall register 800cfm	2	0%	2	ea	\$ 1,600.00	\$ 1,120.00	\$ 1,600.00	\$ 480.00	\$ 3,200	
250	M-100F,101F	16"x16" wall register 1230cfm	1	0%	1	ea	\$ 2,460.00	\$ 861.00	\$ 1,230.00	\$ 369.00	\$ 2,460	
251	M-100F,101F	22"x8" wall register 800 cfm	2	0%	2	ea	\$ 1,600.00	\$ 1,120.00	\$ 1,600.00	\$ 480.00	\$ 3,200	
252	M-100F,101F	26"x12" wall register 1750cfm	1	0%	1	ea	\$ 3,500.00	\$ 1,225.00	\$ 1,750.00	\$ 525.00	\$ 3,500	
253	M-100F,101F	12"x12" supply grill 400cfm	2	0%	2	ea	\$ 800.00	\$ 560.00	\$ 800.00	\$ 240.00	\$ 1,600	
		Units										
254	M-100F,101F	Split ac units 1 ton	55	0%	55	ea	\$ 4,500.00	\$ 86,625.00	\$ 123,750.00	\$ 37,125.00	\$ 247,500	
255	M-100F,101F	Air handling unit 1 ton	1	0%	1	ea	\$ 4,500.00	\$ 1,575.00	\$ 2,250.00	\$ 675.00	\$ 4,500	
256	M-100F,101F	Air handling unit 4 ton	1	0%	1	ea	\$ 12,000.00	\$ 4,200.00	\$ 6,000.00	\$ 1,800.00	\$ 12,000	
257	M-100F,101F	Air handling unit 7.5 ton	1	0%	1	ea	\$ 22,500.00	\$ 7,875.00	\$ 11,250.00	\$ 3,375.00	\$ 22,500	
258	M-100F,101F	Electric baseboard heater 5118 btu	2	0%	2	ea	\$ 11,000.00	\$ 7,700.00	\$ 11,000.00	\$ 3,300.00	\$ 22,000	
259	M-100F,101F	Electric unit heater 350cfm	6	0%	6	ea	\$ 700.00	\$ 1,470.00	\$ 2,100.00	\$ 630.00	\$ 4,200	
260	M-100F,101F	Exhaust fan 1275cfm	1	0%	1	ea	\$ 2,550.00	\$ 892.50	\$ 1,275.00	\$ 382.50	\$ 2,550	
261	M-100F,101F	Exhaust fan 17500cfm	2	0%	2	ea	\$ 35,000.00	\$ 24,500.00	\$ 35,000.00	\$ 10,500.00	\$ 70,000	
262	M-100F,101F	Exhaust fan 750cfm	1	0%	1	ea	\$ 1,500.00	\$ 525.00	\$ 750.00	\$ 225.00	\$ 1,500	
SUB TOTAL											\$ 5,243,997	\$ 5,243,997
INSURANCE							3%				\$ 157,320	\$ 157,320
OVERHEAD AN	D PROFIT						22%				\$ 1,153,679	\$ 1,153,679
TOTAL BASE B	ID										\$ 6,554,996	\$ 6,554,996
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General Notes: The prices used while preparing the estimate were taken from RSMeans online i.e. the standard pricing & the company is not reponsible for any kind of variations in the prices. So, it is preferred to review the prices.

1	The drawings are scaled as per the	F.C = Waste or diff. factor	
2	The prices used are standard prices, unless	sf = square feet	
	advantas a saud	If = linear feet	
	Exclusions	ea = each	
1	Union Wages	cy = cubic yard	
		sy = square yard	
		loc = location	
		ls = lumn sum	

Legend