



PROJECT: SOMERSET AMENITY
 LOCATION: GEORGETOWN, TX

Subtotal \$98,555
 Over & Profit \$27,595
 Total \$126,150

Slr	Dwg	CSI NO	DESCRIPTION	QTY.	Wastage	Qty w/ Waste	UNIT	UNIT LABOR COST	UNIT MATERIAL COST	TOTAL LABOR COST	TOTAL MATERIAL COST	TOTAL COST
DIVISION 01-GENERAL REQUIREMENTS												
1			Mobilization	1	0%	1	LS	\$ -	\$ -	\$ -	\$ -	\$ -
2			Supervision	1	0%	1	LS	\$ -	\$ -	\$ -	\$ -	\$ -
3			Office overheads	1	0%	1	LS	\$ -	\$ -	\$ -	\$ -	\$ -
4	See Spec.		Temporary facilities and controls	1	0%	1	LS	\$ -	\$ -	\$ -	\$ -	\$ -
5			Temporary facilities and controls	1	0%	1	LS	\$ -	\$ -	\$ -	\$ -	\$ -
6			Project Closeout	1	0%	1	LS	\$ -	\$ -	\$ -	\$ -	\$ -
7			Submittal and approval	1	0%	1	LS	\$ -	\$ -	\$ -	\$ -	\$ -
DIVISION 23 — MECHANICAL												
MAIN BUILDING												
AIR DUCTS												
8	M2.01, MEP1.01		(6" Dia) Air Supply Duct	12	10%	13	LF	\$ 2.0	\$ 7.0	\$ 25.6	\$ 91	\$ 116.52
9	M2.01, MEP1.01		(6" Dia) Flexible Duct	3	10%	4	LF	\$ 2.0	\$ 7.0	\$ 7.6	\$ 27	\$ 34.35
10	M2.01, MEP1.01		(8" Dia) Air Supply Duct	63	10%	69	LF	\$ 2.4	\$ 8.6	\$ 167.4	\$ 593	\$ 760.85
11	M2.01, MEP1.01		(8" Dia) Flexible Duct	216	10%	238	LF	\$ 2.4	\$ 8.6	\$ 576.0	\$ 2,042	\$ 2,617.96
12	M2.01, MEP1.01		(10" Dia) Air Supply Duct	38	10%	42	LF	\$ 2.9	\$ 10.1	\$ 120.1	\$ 426	\$ 546.12
13	M2.01, MEP1.01		(10" Dia) Flexible Duct	58	10%	64	LF	\$ 2.9	\$ 10.1	\$ 183.1	\$ 649	\$ 832.26
14	M2.01, MEP1.01		(10" X 10") Air Supply Duct	36	10%	40	LF	\$ 2.9	\$ 10.1	\$ 114.2	\$ 405	\$ 518.95
15	M2.01, MEP1.01		(10" X 10") Exhaust Air Duct	9	10%	10	LF	\$ 2.9	\$ 10.1	\$ 27.6	\$ 98	\$ 125.55
16	M2.01, MEP1.01		(10" X 12") Air Supply Duct	16	10%	18	LF	\$ 3.0	\$ 10.5	\$ 53.4	\$ 189	\$ 242.95
17	M2.01, MEP1.01		(12" Dia) Air Supply Duct	58	10%	64	LF	\$ 3.3	\$ 11.7	\$ 210.7	\$ 747	\$ 957.66
18	M2.01, MEP1.01		(12" Dia) Flexible Duct	34	10%	37	LF	\$ 3.3	\$ 11.7	\$ 88.1	\$ 312	\$ 400.46
19	M2.01, MEP1.01		(12" X 14") Air Supply Duct	33	10%	36	LF	\$ 3.4	\$ 12.2	\$ 120.2	\$ 426	\$ 546.15
20	M2.01, MEP1.01		(12" X 20") Air Supply Duct	62	10%	68	LF	\$ 3.4	\$ 12.2	\$ 233.7	\$ 829	\$ 1,062.38
21	M2.01, MEP1.01		(14" Dia) Air Supply Duct	68	10%	75	LF	\$ 3.7	\$ 13.3	\$ 279.3	\$ 990	\$ 1,269.73
22	M2.01, MEP1.01		(14" X 14") Air Supply Duct	12	10%	13	LF	\$ 3.9	\$ 13.7	\$ 49.7	\$ 176	\$ 225.80
23	M2.01, MEP1.01		(14" X 16") Air Supply Duct	5	10%	6	LF	\$ 3.9	\$ 13.9	\$ 22.7	\$ 80	\$ 103.19
24	M2.01, MEP1.01		(14" X 20") Air Supply Duct	42	10%	46	LF	\$ 4.0	\$ 14.0	\$ 180.9	\$ 641	\$ 822.10
25	M2.01, MEP1.01		(16" Dia) Air Supply Duct	50	10%	55	LF	\$ 4.2	\$ 14.8	\$ 231.0	\$ 819	\$ 1,049.81
26	M2.01, MEP1.01		(18 X 20") Air Supply Duct	21	10%	23	LF	\$ 4.7	\$ 16.8	\$ 107.2	\$ 380	\$ 487.43
27	M2.01, MEP1.01		(20 X 20") Air Supply Duct	28	10%	31	LF	\$ 5.3	\$ 18.7	\$ 161.4	\$ 572	\$ 733.66
28	M2.01, MEP1.01		(20 X 24") Air Supply Duct	19	10%	21	LF	\$ 5.3	\$ 18.7	\$ 111.8	\$ 396	\$ 508.20
29	M2.01, MEP1.01		(20" Dia) Air Supply Duct	44	10%	48	LF	\$ 5.3	\$ 18.7	\$ 254.8	\$ 903	\$ 1,158.17
30	M2.01, MEP1.01		(20" X 12") Air Supply Duct	49	10%	54	LF	\$ 5.3	\$ 18.7	\$ 284.4	\$ 1,008	\$ 1,292.54
31	M2.01, MEP1.01		(20" X 14") Air Supply Duct	54	10%	59	LF	\$ 5.4	\$ 19.1	\$ 347.6	\$ 1,222	\$ 1,580.86
32	M2.01, MEP1.01		(20" X 16") Air Supply Duct	23	10%	25	LF	\$ 5.5	\$ 19.3	\$ 135.8	\$ 482	\$ 617.35
33	M2.01, MEP1.01		(52" X 12") Return Air Duct	20	10%	22	LF	\$ 13.2	\$ 46.8	\$ 289.1	\$ 1,025	\$ 1,314.06
34	M2.01, MEP1.01		(1" Thk) Fiber Glass Insulation	2750	10%	3,025	SF	\$ 0.9	\$ 3.3	\$ 2,795.1	\$ 9,910	\$ 12,705.00
FITTINGS												
35	M2.01, MEP1.01		(6" Dia) 90 Degree Connector	1	0%	1	EA	\$ 18.7	\$ 66.3	\$ 18.7	\$ 66	\$ 85.00
36	M2.01, MEP1.01		(8" Dia) 90 Degree Connector	5	0%	5	EA	\$ 20.9	\$ 74.1	\$ 104.5	\$ 371	\$ 475.00
37	M2.01, MEP1.01		(8" Dia) 90 Degree Connector	52	0%	52	EA	\$ 20.9	\$ 74.1	\$ 1,086.8	\$ 3,853	\$ 4,940.00
38	M2.01, MEP1.01		(10" Dia) 90 Degree Connector	12	0%	12	EA	\$ 22.0	\$ 78.0	\$ 264.0	\$ 936	\$ 1,200.00
39	M2.01, MEP1.01		(12" Dia) 90 Degree Connector	5	0%	5	EA	\$ 24.2	\$ 85.8	\$ 121.0	\$ 429	\$ 550.00
40	M2.01, MEP1.01		(14" Dia) 90 Degree Connector	2	0%	2	EA	\$ 26.4	\$ 93.6	\$ 52.8	\$ 187	\$ 240.00
41	M2.01, MEP1.01		(16" Dia) 90 Degree Connector	3	0%	3	EA	\$ 29.7	\$ 105.3	\$ 89.1	\$ 316	\$ 405.00
42	M2.01, MEP1.01		(20" X 20") 90 Degree Connector	2	0%	2	EA	\$ 30.8	\$ 109.2	\$ 61.6	\$ 218	\$ 280.00
43	M2.01, MEP1.01		(10" Dia to 8" Dia) Reducer	1	0%	1	EA	\$ 7.7	\$ 27.3	\$ 7.7	\$ 27	\$ 35.00
44	M2.01, MEP1.01		(14" Dia to 10" Dia) Reducer	1	0%	1	EA	\$ 9.9	\$ 35.1	\$ 9.9	\$ 35	\$ 45.00
45	M2.01, MEP1.01		(14" Dia to 20" Dia) Reducer	1	0%	1	EA	\$ 11.0	\$ 39.0	\$ 11.0	\$ 39	\$ 50.00
46	M2.01, MEP1.01		(14" Dia to 8" Dia) Reducer	1	0%	1	EA	\$ 11.0	\$ 39.0	\$ 11.0	\$ 39	\$ 50.00
47	M2.01, MEP1.01		(14" X 20" to 10" Dia) Reducer	1	0%	1	EA	\$ 12.1	\$ 42.9	\$ 12.1	\$ 43	\$ 55.00
48	M2.01, MEP1.01		(14" X 20" to 12" X 14") Reducer	1	0%	1	EA	\$ 12.1	\$ 42.9	\$ 12.1	\$ 43	\$ 55.00
49	M2.01, MEP1.01		(14" X 20" to 20" X 14") Reducer	1	0%	1	EA	\$ 13.2	\$ 46.8	\$ 13.2	\$ 47	\$ 60.00
50	M2.01, MEP1.01		(18" X 20" to 14" X 20") Reducer	1	0%	1	EA	\$ 14.3	\$ 50.7	\$ 14.3	\$ 51	\$ 65.00
51	M2.01, MEP1.01		(20" X 12" to 10" X 12") Reducer	1	0%	1	EA	\$ 14.3	\$ 50.7	\$ 14.3	\$ 51	\$ 65.00
52	M2.01, MEP1.01		(20" X 12" to 12" X 20") Reducer	1	0%	1	EA	\$ 14.3	\$ 50.7	\$ 14.3	\$ 51	\$ 65.00
53	M2.01, MEP1.01		(20" X 14" to 12" X 14") Reducer	1	0%	1	EA	\$ 14.3	\$ 50.7	\$ 14.3	\$ 51	\$ 65.00
54	M2.01, MEP1.01		(20" X 20" to 14" X 14") Reducer	1	0%	1	EA	\$ 14.3	\$ 50.7	\$ 14.3	\$ 51	\$ 65.00
55	M2.01, MEP1.01		(24" X 24" to 14" X 16") Reducer	1	0%	1	EA	\$ 9.9	\$ 35.1	\$ 9.9	\$ 35	\$ 45.00
56	M2.01, MEP1.01		(10" X 10") 90Degree Bend	1	0%	1	EA	\$ 9.9	\$ 35.1	\$ 9.9	\$ 35	\$ 45.00
57	M2.01, MEP1.01		(12" X 20") 90Degree Bend	1	0%	1	EA	\$ 9.9	\$ 35.1	\$ 9.9	\$ 35	\$ 45.00
58	M2.01, MEP1.01		(14" X 20") 90Degree Bend	1	0%	1	EA	\$ 9.9	\$ 35.1	\$ 9.9	\$ 35	\$ 45.00
59	M2.01, MEP1.01		(20" X 12") 90Degree Bend	1	0%	1	EA	\$ 11.0	\$ 39.0	\$ 11.0	\$ 39	\$ 50.00
60	M2.01, MEP1.01		(20" X 16") 90Degree Bend	1	0%	1	EA	\$ 11.0	\$ 39.0	\$ 11.0	\$ 39	\$ 50.00
61	M2.01, MEP1.01		(20" X 20") 90Degree Bend	1	0%	1	EA	\$ 11.0	\$ 39.0	\$ 11.0	\$ 39	\$ 50.00
62	M2.01, MEP1.01		(6" Dia) Elbow	1	0%	1	EA	\$ 9.9	\$ 35.1	\$ 9.9	\$ 35	\$ 45.00
63	M2.01, MEP1.01		(8" Dia) Elbow	2	0%	2	EA	\$ 9.9	\$ 35.1	\$ 19.8	\$ 70	\$ 90.00
64	M2.01, MEP1.01		(10" Dia) Elbow	1	0%	1	EA	\$ 9.9	\$ 35.1	\$ 9.9	\$ 35	\$ 45.00
65	M2.01, MEP1.01		(12" Dia) Elbow	1	0%	1	EA	\$ 9.9	\$ 35.1	\$ 9.9	\$ 35	\$ 45.00
66	M2.01, MEP1.01		(14" Dia) Elbow	1	0%	1	EA	\$ 9.9	\$ 35.1	\$ 9.9	\$ 35	\$ 45.00
67	M2.01, MEP1.01		(20" Dia) Elbow	1	0%	1	EA	\$ 11.0	\$ 39.0	\$ 11.0	\$ 39	\$ 50.00
68	M2.01, MEP1.01		(10" X 12") Plug	2	0%	2	EA	\$ 14.3	\$ 50.7	\$ 14.3	\$ 51	\$ 65.00
69	M2.01, MEP1.01		(12" X 14") Plug	2	0%	2	EA	\$ 14.3	\$ 50.7	\$ 28.6	\$ 101	\$ 130.00
70	M2.01, MEP1.01		(12" X 20") Plug	1	0%	1	EA	\$ 14.3	\$ 50.7	\$ 14.3	\$ 51	\$ 65.00
71	M2.01, MEP1.01		(14" Dia) Plug	1	0%	1	EA	\$ 14.3	\$ 50.7	\$ 14.3	\$ 51	\$ 65.00
72	M2.01, MEP1.01		(14" X 16") Plug	1	0%	1	EA	\$ 14.3	\$ 50.7	\$ 14.3	\$ 51	\$ 65.00
73	M2.01, MEP1.01		(20" X 16") Plug	1	0%	1	EA	\$ 14.3	\$ 50.7	\$ 14.3	\$ 51	\$ 65.00
SUPPLY DIFFUSERS												
74	M2.01, M3.01		(24" X 24") 350CFM Ceiling Diffuser - S1	3	0%	3	EA	\$ 60.5	\$ 214.5	\$ 181.5	\$ 644	\$ 825.00
75	M2.01, M3.01		(24" X 24") 325CFM Ceiling Diffuser - S1	2	0%	2	EA	\$ 58.3	\$ 206.7	\$ 116.6	\$ 413	\$ 530.00
76	M2.01, M3.01		(24" X 24") 450CFM Ceiling Diffuser - S1	2	0%	2	EA	\$ 66.0	\$ 234.0	\$ 132.0	\$ 468	\$ 600.00
77	M2.01, M3.01		(24" X 24") 290CFM Ceiling Diffuser - S1	7	0%	7	EA	\$ 49.5	\$ 175.5	\$ 346.5	\$ 1,229	\$ 1,575.00
78	M2.01, M3.01		(24" X 24") 250CFM Ceiling Diffuser - S1	6	0%	6	EA	\$ 48.4	\$ 171.6	\$ 290.4	\$ 1,030	\$ 1,320.00
79	M2.01, M3.01		(24" X 24") 200CFM Ceiling Diffuser - S1	8	0%	8	EA	\$ 46.2	\$ 163.8	\$ 369.6	\$ 1,310	\$ 1,680.00
80	M2.01, M3.01		(12" X 12") 140CFM Ceiling Diffuser - S2	3	0%	3	EA	\$ 36.3	\$ 128.7	\$ 108.9	\$ 386	\$ 495.00
81	M2.01, M3.01		(12" X 12") 50CFM Ceiling Diffuser - S2	1	0%	1	EA	\$ 33.0	\$ 117.0	\$ 33.0	\$ 117	\$ 150.00
82	M2.01, M3.01		175 CFM Ceiling Diffuser - S3	12	0%	12	EA	\$ 33.0	\$ 117.0	\$ 396.0	\$ 1,404	\$ 1,800.00
83	M2.01, M3.01		225 CFM Ceiling Diffuser - S3	12	0%	12	EA	\$ 35.2	\$ 124.8	\$ 422.4	\$ 1,498	\$ 1,920.00
84	M2.01, M3.01		230 CFM Ceiling Diffuser - S3	22	0%	22	EA	\$ 36.3	\$ 128.7	\$ 798.6	\$ 2,831	\$ 3,630.00
85	M2.01, M3.01		235 CFM Ceiling Diffuser - S3	4	0%	4	EA	\$ 37.4	\$ 132.6	\$ 149.6	\$ 530	\$ 680.00
RETURN GRILLE												
86	M2.01, M3.01		(24" X 24") Return Grille - R1	2	0%	2	EA	\$ 55.0	\$ 195.0	\$ 110.0	\$ 390	\$ 500.00
AIR HANDLING UNIT												
87	M2.01, M3.01		Air Handling Unit - AHU1	1	0%	1	EA	\$ 1,210.0	\$ 4,290.0	\$ 1,210.0	\$ 4,290	\$ 5,500.00
88	M2.											

S#	Dwg.	CSI NO	DESCRIPTION	QTY.	Wastage	Qty w/ Waste	UNIT	UNIT LABOR COST	UNIT MATERIAL COST	TOTAL LABOR COST	TOTAL MATERIAL COST	TOTAL COST
101	M2.01, MEP1.01		(18" X 18") Air Supply Duct	55	10%	60	LF	\$ 4.6	\$ 16.4	\$ 278.8	\$ 988	\$ 1,267.27
102	M2.01, MEP1.01		(24" X 22") Air Supply Duct	9	10%	10	LF	\$ 6.2	\$ 21.8	\$ 61.9	\$ 220	\$ 281.51
103	M2.01, MEP1.01		(1" Thk) Fiber Glass Insulation	569	10%	626	SF	\$ 0.9	\$ 3.3	\$ 578.3	\$ 2,050	\$ 2,628.78
FITTINGS												
104	M2.01, M3.01		(12" Dia) 90 Degree Connector	5	0%	5	EA	\$ 24.2	\$ 85.8	\$ 121.0	\$ 429	\$ 550.00
105	M2.01, M3.01		(12" Dia) 90 Degree Connector	1	0%	1	EA	\$ 24.2	\$ 85.8	\$ 24.2	\$ 86	\$ 110.00
106	M2.01, M3.01		(8" Dia) 90 Degree Connector	4	0%	4	EA	\$ 22.0	\$ 78.0	\$ 88.0	\$ 312	\$ 400.00
107	M2.01, M3.01		(18" X 18") 90Degree Bend	2	0%	2	EA	\$ 12.1	\$ 42.9	\$ 24.2	\$ 86	\$ 110.00
108	M2.01, M3.01		(10" Dia) Elbow	1	0%	1	EA	\$ 9.9	\$ 35.1	\$ 9.9	\$ 35	\$ 45.00
109	M2.01, M3.01		(8" Dia) Elbow	1	0%	1	EA	\$ 9.9	\$ 35.1	\$ 9.9	\$ 35	\$ 45.00
110	M2.01, M3.01		(18" X 18" to 12" Dia) Reducer	2	0%	2	EA	\$ 55.0	\$ 195.0	\$ 110.0	\$ 390	\$ 500.00
SUPPLY DIFFUSERS												
111	M2.01, M3.01		(24" X 24") 400CFM Ceiling Diffuser - S1	8	0%	8	EA	\$ 66.0	\$ 234.0	\$ 528.0	\$ 1,872	\$ 2,400.00
112	M2.01, M3.01		200 CFM Ceiling Diffuser - S3	4	0%	4	EA	\$ 36.3	\$ 128.7	\$ 145.2	\$ 515	\$ 660.00
AIR HANDLING UNIT												
113	M2.01, M3.01		Air Handling Unit - AHU4	1	0%	1	EA	\$ 1,210.0	\$ 4,290.0	\$ 1,210.0	\$ 4,290	\$ 5,500.00
EXHAUST FAN												
114	M2.01, M3.01		Exhaust Fan - EF-4	1	0%	1	EA	\$ 93.5	\$ 331.5	\$ 93.5	\$ 332	\$ 425.00
115	M2.01, M3.01		Gravity Backdraft Damper	1	0%	1	EA	\$ 77.0	\$ 273.0	\$ 77.0	\$ 273	\$ 350.00
MISC ITEMS												
116	M2.01, MEP1.01		Duct Hangers	16	0%	16	EA	\$ 9.9	\$ 35.1	\$ 158.4	\$ 562	\$ 720.00
Subtotal										\$ 21,682	\$ 76,873	\$ 98,555
TOTAL AMOUNT												\$ 98,555
OVERHEAD AND PROFIT (28%)												\$ 27,595.39
TOTAL BASE BID												\$ 126,150
<p>NOTES: Furnish & Installation Non-union Wage Rates Are Used</p>												

ESTIMATION