

Estimate of Materials and Cost of Construction



Summary Amount
Subtotal \$ 704,905

Profit/Overhead \$ 176,226
Total \$ 881,131

ITEM #	DRAWING REFERENCE	DESCRIPTION	QTY.	FT	QTY. W/ FT	UNIT	UNIT COST	LABOR HOURS	LABOR COST	MATERIAL COST	ITEM COST	TRADE COST
ELECTRICAL											\$ 704,905	
Lighting items												
1	E-2.01	2'x4' Highbay light, 203 watts	11	0%	11	ea	\$ 250.0	11.89	\$ 1,100.0	\$ 1,650.0	\$ 2,750	
2	E-2.01	2 Headed emergency light, 1.56 watts	11	0%	11	ea	\$ 200.0	9.51	\$ 880.0	\$ 1,320.0	\$ 2,200	
3	E-2.01	4' Edgelit surface mount light with battery pack, 40	2	0%	2	ea	\$ 350.0	3.03	\$ 280.0	\$ 420.0	\$ 700	
4	E-2.01	4' Edgelit surface mount light, 40 watts	2	0%	2	ea	\$ 300.0	2.59	\$ 240.0	\$ 360.0	\$ 600	
5	E-2.01	4' Strip light, 36 watts	3	0%	3	ea	\$ 275.0	3.57	\$ 330.0	\$ 495.0	\$ 825	
6	E-2.01	4' Wall fixture, 36 watts	1	0%	1	ea	\$ 250.0	1.08	\$ 100.0	\$ 150.0	\$ 250	
7	E-2.01	6" Downlight, 21.1 watts	14	0%	14	ea	\$ 300.0	18.16	\$ 1,680.0	\$ 2,520.0	\$ 4,200	
8	E-2.01	8' Tandem industrial light with battery pack, 69.5	2	0%	2	ea	\$ 400.0	3.46	\$ 320.0	\$ 480.0	\$ 800	
9	E-2.01	8' Tandem industrial light, 69.5 watts	10	0%	10	ea	\$ 375.0	16.22	\$ 1,500.0	\$ 2,250.0	\$ 3,750	

10	E-2.01	Decorative sconce, 9 watts	2	0%	2	ea	\$ 350.0	3.03	\$ 280.0	\$ 420.0	\$ 700	
11	E-2.01	Exit and emergency light, 2.2 watts	4	0%	4	ea	\$ 250.0	4.32	\$ 400.0	\$ 600.0	\$ 1,000	
12	E-2.01	Interior wall sconce, 25 watts	1	0%	1	ea	\$ 300.0	1.30	\$ 120.0	\$ 180.0	\$ 300	
13	E-2.01	Jelly jar, surface mounted, 9 watts	1	0%	1	ea	\$ 250.0	1.08	\$ 100.0	\$ 150.0	\$ 250	
14	E-2.01	Pendant light, ceiling mounted, 60 watts	3	0%	3	ea	\$ 350.0	4.54	\$ 420.0	\$ 630.0	\$ 1,050	
15	E-2.01	Pylon sign	1	0%	1	ea	\$ 300.0	1.30	\$ 120.0	\$ 180.0	\$ 300	
16	E-2.01	Recessed can light, 58 watts	1	0%	1	ea	\$ 275.0	1.19	\$ 110.0	\$ 165.0	\$ 275	
17	E-2.01	Remote emergency light, 1.1 watts	3	0%	3	ea	\$ 200.0	2.59	\$ 240.0	\$ 360.0	\$ 600	
18	E-2.01	Tape light, 40 watts	3	0%	3	ea	\$ 300.0	3.89	\$ 360.0	\$ 540.0	\$ 900	
		Power items										
19	E-3.01, E-3.02	220V Outlet, +24"	2	0%	2	ea	\$ 110.0	0.95	\$ 88.0	\$ 132.0	\$ 220	
20	E-3.01, E-3.02	Disconnect switch	7	0%	7	ea	\$ 200.0	6.05	\$ 560.0	\$ 840.0	\$ 1,400	
21	E-3.01, E-3.02	Disconnect switch, +48"	1	0%	1	ea	\$ 200.0	0.86	\$ 80.0	\$ 120.0	\$ 200	
22	E-3.01, E-3.02	Duplex outlet, +38"	4	0%	4	ea	\$ 110.0	1.90	\$ 176.0	\$ 264.0	\$ 440	
23	E-3.01, E-3.02	Duplex outlet, +48"	3	0%	3	ea	\$ 110.0	1.43	\$ 132.0	\$ 198.0	\$ 330	
24	E-3.01, E-3.02	Duplex outlet	7	0%	7	ea	\$ 110.0	3.33	\$ 308.0	\$ 462.0	\$ 770	
25	E-3.01, E-3.02	Duplex outlet, +36"	1	0%	1	ea	\$ 110.0	0.48	\$ 44.0	\$ 66.0	\$ 110	
26	E-3.01, E-3.02	Duplex outlet, +54"	8	0%	8	ea	\$ 110.0	3.81	\$ 352.0	\$ 528.0	\$ 880	
27	E-3.01, E-3.02	Duplex outlet, +84"	3	0%	3	ea	\$ 110.0	1.43	\$ 132.0	\$ 198.0	\$ 330	
28	E-3.01, E-3.02	Duplex outlet, +96"	4	0%	4	ea	\$ 110.0	1.90	\$ 176.0	\$ 264.0	\$ 440	

ITEM #	DRAWING REFERENCE	DESCRIPTION	QTY.	FT	QTY. W/ FT	UNIT	UNIT COST	LABOR HOURS	LABOR COST	MATERIAL COST	ITEM COST	TRADE COST
29	E-3.01, E-3.02	Duplex outlet, +120"	1	0%	1	ea	\$ 115.0	0.50	\$ 46.0	\$ 69.0	\$ 115	
30	E-3.01, E-3.02	Duplex outlet, ceiling mounted	10	0%	10	ea	\$ 120.0	5.19	\$ 480.0	\$ 720.0	\$ 1,200	
31	E-3.01, E-3.02	Duplex outlet, GFCI	3	0%	3	ea	\$ 125.0	1.62	\$ 150.0	\$ 225.0	\$ 375	
32	E-3.01, E-3.02	Duplex outlet, GFI, WP, +72" horizontal	1	0%	1	ea	\$ 135.0	0.58	\$ 54.0	\$ 81.0	\$ 135	
33	E-3.01, E-3.02	Duplex outlet, G	2	0%	2	ea	\$ 125.0	1.08	\$ 100.0	\$ 150.0	\$ 250	
34	E-3.01, E-3.02	Duplex outlet, GFCI, WP, +54"	1	0%	1	ea	\$ 125.0	0.54	\$ 50.0	\$ 75.0	\$ 125	
35	E-3.01, E-3.02	Duplex outlet, GFI, +44"	2	0%	2	ea	\$ 125.0	1.08	\$ 100.0	\$ 150.0	\$ 250	
36	E-3.01, E-3.02	Duplex outlet, USB, +36"	1	0%	1	ea	\$ 150.0	0.65	\$ 60.0	\$ 90.0	\$ 150	
37	E-3.01, E-3.02	Duplex outlet, USB, +44", horizontal mounted	3	0%	3	ea	\$ 150.0	1.95	\$ 180.0	\$ 270.0	\$ 450	
38	E-3.01, E-3.02	Junction box	24	0%	24	ea	\$ 250.0	25.95	\$ 2,400.0	\$ 3,600.0	\$ 6,000	
39	E-3.01, E-3.02	Motor rated toggle switch	7	0%	7	ea	\$ 200.0	6.05	\$ 560.0	\$ 840.0	\$ 1,400	
40	E-3.01, E-3.02	Occupancy sensor switch	6	0%	6	ea	\$ 300.0	7.78	\$ 720.0	\$ 1,080.0	\$ 1,800	
41	E-3.01, E-3.02	Photocell with manual override switch	6	0%	6	ea	\$ 250.0	6.49	\$ 600.0	\$ 900.0	\$ 1,500	
42	E-3.01, E-3.02	Quad outlet, +44"	4	0%	4	ea	\$ 200.0	3.46	\$ 320.0	\$ 480.0	\$ 800	
43	E-3.01, E-3.02	Quad outlet	4	0%	4	ea	\$ 200.0	3.46	\$ 320.0	\$ 480.0	\$ 800	
44	E-3.01, E-3.02	Quad outlet, +24"	17	0%	17	ea	\$ 200.0	14.70	\$ 1,360.0	\$ 2,040.0	\$ 3,400	
45	E-3.01, E-3.02	Quad outlet, +54"	1	0%	1	ea	\$ 200.0	0.86	\$ 80.0	\$ 120.0	\$ 200	
46	E-3.01, E-3.02	Quad outlet, +84"	1	0%	1	ea	\$ 200.0	0.86	\$ 80.0	\$ 120.0	\$ 200	

47	E-3.01, E-3.02	Quad outlet, GFCI	1	0%	1	ea	\$ 225.0	0.97	\$ 90.0	\$ 135.0	\$ 225
48	E-3.01, E-3.02	Quad outlet, G	3	0%	3	ea	\$ 200.0	2.59	\$ 240.0	\$ 360.0	\$ 600
49	E-3.01, E-3.02	Quad outlet, USB, +24"	2	0%	2	ea	\$ 250.0	2.16	\$ 200.0	\$ 300.0	\$ 500
50	E-3.01, E-3.02	Smoke detector	1	0%	1	ea	\$ 350.0	1.51	\$ 140.0	\$ 210.0	\$ 350
51	E-3.01, E-3.02	SPST switch, +54"	1	0%	1	ea	\$ 130.0	0.56	\$ 52.0	\$ 78.0	\$ 130
52	E-3.01, E-3.02	Switch	7	0%	7	ea	\$ 100.0	3.03	\$ 280.0	\$ 420.0	\$ 700
53	E-3.01, E-3.02	Telephone backboard	1	0%	1	ea	\$ 150.0	0.65	\$ 60.0	\$ 90.0	\$ 150
54	E-3.01, E-3.02	Telephone/data outlet, +18", WP	6	0%	6	ea	\$ 120.0	3.11	\$ 288.0	\$ 432.0	\$ 720
55	E-3.01, E-3.02	Telephone/data outlet, +24"	13	0%	13	ea	\$ 120.0	6.75	\$ 624.0	\$ 936.0	\$ 1,560
56	E-3.01, E-3.02	Telephone/data outlet, +36"	1	0%	1	ea	\$ 120.0	0.52	\$ 48.0	\$ 72.0	\$ 120
57	E-3.01, E-3.02	Telephone/data outlet, +84"	4	0%	4	ea	\$ 120.0	2.08	\$ 192.0	\$ 288.0	\$ 480
58	E-3.01, E-3.02	Telephone/data outlet, +120"	3	0%	3	ea	\$ 120.0	1.56	\$ 144.0	\$ 216.0	\$ 360
59	E-3.01, E-3.02	Thermostat - programmable, +48" aff	1	0%	1	ea	\$ 250.0	1.08	\$ 100.0	\$ 150.0	\$ 250
60	E-3.01, E-3.02	Thermostat - programmable, +54"	1	0%	1	ea	\$ 300.0	1.30	\$ 120.0	\$ 180.0	\$ 300
61	E-3.01, E-3.02	Thermostat - programmable	4	0%	4	ea	\$ 300.0	5.19	\$ 480.0	\$ 720.0	\$ 1,200
62	E-3.01, E-3.02	Toggle switch	2	0%	2	ea	\$ 200.0	1.73	\$ 160.0	\$ 240.0	\$ 400
63	E-3.01, E-3.02	Wall pack light, 43.9 watts	11	0%	11	ea	\$ 300.0	14.27	\$ 1,320.0	\$ 1,980.0	\$ 3,300
		Lighting items									
64	E3.1 TO E6.3	48" long surface mounted fixture with wrap around	111	0%	111	ea	\$ 275.0	132.00	\$ 12,210.0	\$ 18,315.0	\$ 30,525

65	E3.1 TO E6.3	48" long surface mounted fixture with wrap around	44	0%	44	ea	\$ 350.0	66.59	\$ 6,160.0	\$ 9,240.0	\$ 15,400	
66	E3.1 TO E6.3	48" long surface mounted fixture with steel housing	10	0%	10	ea	\$ 225.0	9.73	\$ 900.0	\$ 1,350.0	\$ 2,250	

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67	E3.1 TO E6.3	48" long surface mounted fixture with steel housing	3	0%	3	ea	\$ 230.0	2.98	\$ 276.0	\$ 414.0	\$ 690	
66	E3.1 TO E6.3	Wall mounted bathrum brackets with brushed 36	60	0%	60	ea	\$ 120.0	31.14	\$ 2,880.0	\$ 4,320.0	\$ 7,200	
68	E3.1 TO E6.3	Ceiling mounted bathroom light 52 watts	48	0%	48	ea	\$ 200.0	41.51	\$ 3,840.0	\$ 5,760.0	\$ 9,600	
69	E3.1 TO E6.3	6" Downlight, 15watts	183	0%	183	ea	\$ 180.0	142.44	\$ 13,176.0	\$ 19,764.0	\$ 32,940	
70	E3.1 TO E6.3	6" Downlight, 15watts with emergancy backup	18	0%	18	ea	\$ 200.0	15.57	\$ 1,440.0	\$ 2,160.0	\$ 3,600	
70	E3.1 TO E6.3	Pandean fixture with satin white bowl and brushed	44	0%	44	ea	\$ 300.0	57.08	\$ 5,280.0	\$ 7,920.0	\$ 13,200	
71	E3.1 TO E6.3	Ceiling mounted hallway light fixture with opal	44	0%	44	ea	\$ 350.0	66.59	\$ 6,160.0	\$ 9,240.0	\$ 15,400	
72	E3.1 TO E6.3	Ceiling light fixture	130	0%	130	ea	\$ 250.0	140.54	\$ 13,000.0	\$ 19,500.0	\$ 32,500	
73	E3.1 TO E6.3	13" dia oval x 4" deep fixture	8	0%	8	ea	\$ 350.0	12.11	\$ 1,120.0	\$ 1,680.0	\$ 2,800	
74	E3.1 TO E6.3	24" bound bowl led pendant light	6	0%	6	ea	\$ 275.0	7.14	\$ 660.0	\$ 990.0	\$ 1,650	
75	E3.1 TO E6.3	52" 5 blade 39watt ceiling fan	3	0%	3	ea	\$ 300.0	3.89	\$ 360.0	\$ 540.0	\$ 900	
76	E3.1 TO E6.3	Dual technology line voltage ceiling sensor	14	0%	14	ea	\$ 275.0	16.65	\$ 1,540.0	\$ 2,310.0	\$ 3,850	
77	E3.1 TO E6.3	Emergency light	32	0%	32	ea	\$ 300.0	41.51	\$ 3,840.0	\$ 5,760.0	\$ 9,600	
78	E3.1 TO E6.3	Exit light with emergency battery backup	18	0%	18	ea	\$ 250.0	19.46	\$ 1,800.0	\$ 2,700.0	\$ 4,500	
79	E3.1 TO E6.3	Recessed led 14 watt light fixture	5	0%	5	ea	\$ 200.0	4.32	\$ 400.0	\$ 600.0	\$ 1,000	

80	E3.1 TO E6.3	Wall mounted emergency light fixture	3	0%	3	ea	\$ 275.0	3.57	\$ 330.0	\$ 495.0	\$ 825	
81	E3.1 TO E6.3	Wall mounted light fixture	5	0%	5	ea	\$ 200.0	4.32	\$ 400.0	\$ 600.0	\$ 1,000	
		Power items										
82	E3.1 TO E6.3	Switch	591	0%	591	ea	\$ 100.0	255.57	\$ 23,640.0	\$ 35,460.0	\$ 59,100	
83	E3.1 TO E6.3	Three way switch,	146	0%	146	ea	\$ 150.0	94.70	\$ 8,760.0	\$ 13,140.0	\$ 21,900	
84	E3.1 TO E6.3	Fire alarm tamper switch	6	0%	6	ea	\$ 120.0	3.11	\$ 288.0	\$ 432.0	\$ 720	
85	E3.1 TO E6.3	Fire alarm flow switch	6	0%	6	ea	\$ 125.0	3.24	\$ 300.0	\$ 450.0	\$ 750	
84	E3.1 TO E6.3	Duplex outlet, 20A	557	0%	557	ea	\$ 100.0	240.86	\$ 22,280.0	\$ 33,420.0	\$ 55,700	
86	E3.1 TO E6.3	Duplex outlet, GFI, +44"	327	0%	327	ea	\$ 120.0	169.69	\$ 15,696.0	\$ 23,544.0	\$ 39,240	
87	E3.1 TO E6.3	Duplex outlet, GFCI, WP, +54"	17	0%	17	ea	\$ 120.0	8.82	\$ 816.0	\$ 1,224.0	\$ 2,040	
88	E3.1 TO E6.3	Dryer duplex	44	0%	44	ea	\$ 110.0	20.93	\$ 1,936.0	\$ 2,904.0	\$ 4,840	
89	E3.1 TO E6.3	Range duplex outlet	44	0%	44	ea	\$ 110.0	20.93	\$ 1,936.0	\$ 2,904.0	\$ 4,840	
88	E3.1 TO E6.3	Junction box	57	0%	57	ea	\$ 200.0	49.30	\$ 4,560.0	\$ 6,840.0	\$ 11,400	
90	E3.1 TO E6.3	Smoke detector	74	0%	74	ea	\$ 300.0	96.00	\$ 8,880.0	\$ 13,320.0	\$ 22,200	
91	E3.1 TO E6.3	Combination smoke detector	38	0%	38	ea	\$ 450.0	73.95	\$ 6,840.0	\$ 10,260.0	\$ 17,100	
91	E3.1 TO E6.3	Telephone/data outlet, +18", WP	44	0%	44	ea	\$ 110.0	20.93	\$ 1,936.0	\$ 2,904.0	\$ 4,840	
92	E3.1 TO E6.3	Telephone outlet, +24"	195	0%	195	ea	\$ 120.0	101.19	\$ 9,360.0	\$ 14,040.0	\$ 23,400	
93	E3.1 TO E6.3	Fan	110	0%	110	ea	\$ 350.0	166.49	\$ 15,400.0	\$ 23,100.0	\$ 38,500	
94	E3.1 TO E6.3	Exhaust fan	50	0%	50	ea	\$ 300.0	64.86	\$ 6,000.0	\$ 9,000.0	\$ 15,000	

95	E3.1 TO E6.3	Electric door bell	44	0%	44	ea	\$ 200.0	38.05	\$ 3,520.0	\$ 5,280.0	\$ 8,800	
96	E3.1 TO E6.3	Electric door bell push button	44	0%	44	ea	\$ 350.0	66.59	\$ 6,160.0	\$ 9,240.0	\$ 15,400	
97	E3.1 TO E6.3	Fire alarm low frequency sounder unit in residential	66	0%	66	ea	\$ 200.0	57.08	\$ 5,280.0	\$ 7,920.0	\$ 13,200	
98	E3.1 TO E6.3	Fire alarm low frequency sounder combo unit in	66	0%	66	ea	\$ 250.0	71.35	\$ 6,600.0	\$ 9,900.0	\$ 16,500	
97	E3.1 TO E6.3	Call for assistance pull cord	44	0%	44	ea	\$ 150.0	28.54	\$ 2,640.0	\$ 3,960.0	\$ 6,600	

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98	E3.1 TO E6.3	Call for assistance audible alarm	44	0%	44	ea	\$ 200.0	38.05	\$ 3,520.0	\$ 5,280.0	\$ 8,800	
99	E3.1 TO E6.3	Data outlet	4	0%	4	ea	\$ 100.0	1.73	\$ 160.0	\$ 240.0	\$ 400	
100	E3.1 TO E6.3	Disconnect switch	22	0%	22	ea	\$ 200.0	19.03	\$ 1,760.0	\$ 2,640.0	\$ 4,400	
101	E3.1 TO E6.3	Duplex outlet, GF	7	0%	7	ea	\$ 125.0	3.78	\$ 350.0	\$ 525.0	\$ 875	
102	E3.1 TO E6.3	Duplex outlet	107	0%	107	ea	\$ 110.0	50.90	\$ 4,708.0	\$ 7,062.0	\$ 11,770	
103	E3.1 TO E6.3	Electrical panel	6	0%	6	ea	\$ 3,200.0	83.03	\$ 7,680.0	\$ 11,520.0	\$ 19,200	
104	E3.1 TO E6.3	Junction box	13	0%	13	ea	\$ 350.0	19.68	\$ 1,820.0	\$ 2,730.0	\$ 4,550	
105	E3.1 TO E6.3	Special purpose outlet	12	0%	12	ea	\$ 125.0	6.49	\$ 600.0	\$ 900.0	\$ 1,500	
106	E3.1 TO E6.3	Telephone backboard	2	0%	2	ea	\$ 130.0	1.12	\$ 104.0	\$ 156.0	\$ 260	
107	E3.1 TO E6.3	Telephone/data outlet	11	0%	11	ea	\$ 120.0	5.71	\$ 528.0	\$ 792.0	\$ 1,320	
108	E3.1 TO E6.3	Time switch	1	0%	1	ea	\$ 100.0	0.43	\$ 40.0	\$ 60.0	\$ 100	
109	E3.1 TO E6.3	TV/data outlet one mounted high	9	0%	9	ea	\$ 130.0	5.06	\$ 468.0	\$ 702.0	\$ 1,170	

		Mics...										
110	E-3.01, E-3.02	Electrical meter	1	0%	1	ea	\$ 550.0	2.38	\$ 220.0	\$ 330.0	\$ 550	
111	E-3.01, E-3.02	Electrical panel, 100A	1	0%	1	ea	\$ 2,200.0	9.51	\$ 880.0	\$ 1,320.0	\$ 2,200	
112	E-3.01, E-3.02	Electrical panel, 225A	2	0%	2	ea	\$ 3,200.0	27.68	\$ 2,560.0	\$ 3,840.0	\$ 6,400	
113	E-3.01, E-3.02	Irrigation panel	1	0%	1	ea	\$ 3,500.0	15.14	\$ 1,400.0	\$ 2,100.0	\$ 3,500	
114	E-3.01, E-3.02	Wiring	1	5%	1	ls	\$ 8,900.0	40.41	\$ 3,738.0	\$ 5,607.0	\$ 9,345	

SUB TOTAL \$ 704,905 \$ 704,905

INSURANCE 3% \$ 21,147 \$ 21,147

OVERHEAD AND PROFIT 22% \$ 155,079 \$ 155,079

TOTAL BASE BID \$ 881,131 \$ 881,131

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. F.C = Waste or diff. factor 2
 standard prices, unless otherwise noted. sf = square feet

Exclusions

1 Union Wages

Legend

The prices used are
 lf = linear feet
 ea = each
 cy = cubic yard
 sy = square
 yard loc =
 location ls =
 lump sum