

COMET ESTIMATING

ESTIMATION & TAKEOFF COMPANY

ELECTRICAL ESTIMATE

Summary of Costs & Material Take-Off

SCOPE OF WORK	BUILDING AREA	COST PER SF	SUGGESTED BASE BID
Electrical	2,500 GSF	$81.48	$203,689.41

Project Summary

Division-wise cost breakdown and suggested base bid

PROJECT ID	—	ADDRESS	—	NO. OF FLOORS	1	BUILDING GSF	2,500 SF

DIVISION NO.	DESCRIPTION		TOTAL DIVISION COST	TOTAL DIVISION COST (PER SF)	TAKE-OFF PAGE
1000	General Requirements		$19,334.10	$7.73	p. 3
26000	Electrical		$139,798.25	$55.92	p. 3
PROJECTED COST			**$159,132.35**	**$63.65**	
Overhead and Profit		20%	$31,826.47	$12.73	
Insurance		3%	$4,773.97	$1.91	
Contingency		5%	$7,956.62	$3.18	
SUGGESTED BASE BID			**$203,689.41**	**$81.48**	

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Material Take-Off

Detailed quantities, labor, material and equipment costs by division

SR #	DESCRIPTION	QUANTITY				LABOR				MATERIAL		EQUIPMENT		TOTAL
		QTY	UNIT	WASTE	QTY W/ WASTE	LABOR HRS / UNIT	WAGE / HR	TOTAL LABOR HRS	TOTAL LABOR COST	MATL. RATE	TOTAL MATL. COST	EQUIP. RATE	TOTAL EQUIP. COST	SUB COST
01. GENERAL REQUIREMENTS														
1	Supervision and Coordination	1.00	LS	0%	1.00	39.76	$87.91	39.76	$3,494.96	–	–	–	–	**$3,494.96**
2	Submittals and Shop drawings	1.00	LS	0%	1.00	26.24	$87.91	26.24	$2,306.67	–	–	–	–	**$2,306.67**
3	Final Cleaning	1.00	LS	0%	1.00	13.52	$87.91	13.52	$1,188.29	–	–	–	–	**$1,188.29**
4	Mobilization Costs	1.00	LS	0%	1.00	37.37	$87.91	37.37	$3,285.26	–	–	–	–	**$3,285.26**
5	Bond @ 2%	1.00	LS	0%	1.00	31.80	$87.91	31.80	$2,795.97	–	–	–	–	**$2,795.97**
6	Temporary Control & Facilities	1.00	LS	0%	1.00	15.58	$87.91	15.58	$1,370.02	–	–	–	–	**$1,370.02**
7	Scaffolding	1.00	LS	0%	1.00	55.66	$87.91	55.66	$4,892.94	–	–	–	–	**$4,892.94**
													SUBTOTAL	**$19,334.10**
26. ELECTRICAL														
Lighting Fixtures														
8	A: 4" Round LED Downlight Manuf & Catalog#: Prescolite, LFR-4RD-M-15L30K8-WD-DMX Lumens: 1494	18.00	EA	0%	18.00	2.109	$55.54	37.96	$2,108.41	$153.79	$2,768.22	–	–	**$4,876.63**
9	AE: 4" Round LED Downlight w/ Emergency Backup Battery Manuf: Prescolite Catalog#: LFR-4RD-M-15L30K8-WD-DMXEM Lumens: 1494	3.00	EA	0%	3.00	2.664	$55.54	7.99	$443.87	$204.29	$612.87	–	–	**$1,056.74**
10	D: Indoor Mini Pendant Manuf & Catalog#: Possini Euro, LED Replacement Bulb 8W ST18 E26 Lumens: 850	8.00	EA	0%	8.00	2.067	$55.54	16.54	$918.52	$149.99	$1,199.92	–	–	**$2,118.44**
11	E: 4" Decorative Pendant Manuf & Catalog#: Luminoso, LCP-4-30K-7-F-80-10-SP Lumens: 2613	33.00	EA	0%	33.00	3.595	$55.54	118.63	$6,588.67	$289.00	$9,537.00	–	–	**$16,125.67**
12	EE: 4" Decorative Pendant w/ Emergency Battery Backup Manuf & Catalog#: Luminoso, LCP-4-30K-7-F-80-10-SP Lumens: 2613	3.00	EA	0%	3.00	4.15	$55.54	12.45	$691.43	$339.50	$1,018.50	–	–	**$1,709.93**
13	F: Suspended Light Chandelier Manuf & Catalog#: Visual & Comfort CO, 700GRC-48-BW-LED930 Lumens: 4623	8.00	EA	0%	8.00	26.78	$55.54	214.27	$11,900.59	$2,399.20	$19,193.60	–	–	**$31,094.19**

SR #	DESCRIPTION	QUANTITY				LABOR				MATERIAL		EQUIPMENT		TOTAL
		QTY	UNIT	WASTE	QTY W/ WASTE	LABOR HRS / UNIT	WAGE / HR	TOTAL LABOR HRS	TOTAL LABOR COST	MATL. RATE	TOTAL MATL. COST	EQUIP. RATE	TOTAL EQUIP. COST	SUB COST
14	XD: Wall Mounted Exterior Light Fixture w/ Emergency Battery Backup Manuf & Catalog#: Lithonia, WPX1 LED P2 40K MVOLT E14WC	3.00	EA	0%	3.00	5.198	$55.54	15.60	$866.17	$434.93	$1,304.79	–	–	**$2,170.96**
15	X1: Single Face To LED Edge-Lit Exit Sign W/ Red Letters Manuf & Catalog#: Lithonia,EDG-1-RMR-EL	4.00	EA	0%	4.00	4.737	$55.54	18.95	$1,052.33	$392.92	$1,571.68	–	–	**$2,624.01**
16	B: 6" Round LED Downlight Manuf & Catalog#: Prescolite, LFR-6RD-M-15L27K8-WD-DMX Lumens: 1487	11.00	EA	0%	11.00	4.276	$55.54	47.03	$2,612.27	$350.97	$3,860.67	–	–	**$6,472.94**
17	BE: 6" Round LED Downlight w/ Emergency Backup Manuf & Catalog#: Prescolite, LFR-6RD-M-15L27K8-WD-DMX-EM Lumens: 1487	4.00	EA	0%	4.00	4.831	$55.54	19.32	$1,073.20	$401.47	$1,605.88	–	–	**$2,679.08**
18	C: Restroom Pendant Light Manuf & Catalog#: Alder & Ore, 7W ST18 E26 Lumens: 650	4.00	EA	0%	4.00	2.423	$55.54	9.69	$538.38	$182.40	$729.60	–	–	**$1,267.98**
19	G: Surface Mounted Low Voltage RGBW Tape Light Manuf & Catalog#: Acclaim, Flexi (FLX444/LP-CL4/111/FCLPEC1 Lumens: 226 Per Foot	8.00	EA	0%	8.00	0.6608	$55.54	5.29	$293.59	$22.00	$176.00	–	–	**$469.59**
20	R1: 2x2 LED Troffer Manuf & Catalog#: Columbia Lighting, CBT22-LSCS Lumens: 3437	23.00	EA	0%	23.00	1.89	$55.54	43.46	$2,413.75	$133.82	$3,077.86	–	–	**$5,491.61**
21	R1E: 2x2 LED Troffer W/ Emergency Battery Backup Manuf & Catalog#: Columbia Lighting, CBT22-LSCS-ELL14 Lumens: 3437	10.00	EA	0%	10.00	2.444	$55.54	24.44	$1,357.67	$184.32	$1,843.20	–	–	**$3,200.87**
22	T1:Track Light - 8 Foot Section Manuf & Catalog#: Jesco, J2TR-8-BK Lumens: 2700	3.00	EA	0%	3.00	1.268	$55.54	3.80	$211.24	$77.24	$231.72	–	–	**$442.96**
23	T2:Track Light - 4 Foot Section Manuf & Catalog#: Jesco, J2TR-4-BK Lumens: 2700	2.00	EA	0%	2.00	0.9024	$55.54	1.80	$100.24	$43.99	$87.98	–	–	**$188.22**
24	LED Tape Light (1'-8" L)	8.00	EA	0%	8.00	1.218	$55.54	9.75	$541.38	$72.75	$582.00	–	–	**$1,123.38**
Power														
Switches														
25	Single Pole Switch	6.00	EA	0%	6.00	0.47	$55.54	2.82	$156.62	$3.98	$23.88	–	–	**$180.50**
26	3 Way Switch	2.00	EA	0%	2.00	0.516	$55.54	1.03	$57.32	$9.86	$19.72	–	–	**$77.04**
27	Occupancy Sensor Wall Switch	3.00	EA	0%	3.00	1.413	$55.54	4.24	$235.43	$84.30	$252.90	–	–	**$488.33**
28	Non-Fused Disconnect Switch	12.00	EA	0%	12.00	1.782	$55.54	21.38	$1,187.67	$109.76	$1,317.12	–	–	**$2,504.79**
29	Motor Switch	5.00	EA	0%	5.00	1.126	$55.54	5.63	$312.69	$48.98	$244.90	–	–	**$557.59**
30	Disconnect Switch	3.00	EA	0%	3.00	1.506	$55.54	4.52	$250.93	$87.96	$263.88	–	–	**$514.81**

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		QTY	UNIT	WASTE	QTY W/ WASTE	LABOR HRS / UNIT	WAGE / HR	TOTAL LABOR HRS	TOTAL LABOR COST	MATL. RATE	TOTAL MATL. COST	EQUIP. RATE	TOTAL EQUIP. COST	SUB COST
31	Motor Rated Disconnect	9.00	EA	0%	9.00	1.996	$55.54	17.96	$997.72	$135.09	$1,215.81	–	–	**$2,213.53**
Receptacles														
32	GFI Duplex Receptacle	9.00	EA	0%	9.00	0.624	$55.54	5.62	$311.91	$23.18	$208.62	–	–	**$520.53**
33	GFI WP Duplex Receptacle	1.00	EA	0%	1.00	0.652	$55.54	0.65	$36.21	$25.48	$25.48	–	–	**$61.69**
34	Special Purpose Receptacle	1.00	EA	0%	1.00	0.614	$55.54	0.61	$34.10	$21.87	$21.87	–	–	**$55.97**
35	Mounted Receptacle	12.00	EA	0%	12.00	0.558	$55.54	6.70	$371.90	$12.88	$154.56	–	–	**$526.46**
36	Quad Plex Receptacle	5.00	EA	0%	5.00	0.876	$55.54	4.38	$243.27	$34.98	$174.90	–	–	**$418.17**
37	Duplex Receptacle	61.00	EA	0%	61.00	0.564	$55.54	34.40	$1,910.80	$15.98	$974.78	–	–	**$2,885.58**
Panels														
38	P1: Main Panel 120/208V, 3P, 4 Wire, 60 HZ Main Breaker Rating: 225 Amp	1.00	EA	0%	1.00	6.512	$55.54	6.51	$361.68	$1,410.29	$1,410.29	–	–	**$1,771.97**
39	KP: Panel 120/208V, 3P, 4 Wire, 60 HZ	2.00	EA	0%	2.00	7.986	$55.54	15.97	$887.08	$1,880.18	$3,760.36	–	–	**$4,647.44**
40	P2: Panel 120/208V, 3P, 4 Wire, 60 HZ Main Breaker Rating (400 Amps)	1.00	EA	0%	1.00	9.244	$55.54	9.24	$513.41	$2,026.70	$2,026.70	–	–	**$2,540.11**
41	PAC: Panel 120/208V, 3P, 4 Wire, 60 HZ Main Breaker Rating: 400 Amp	1.00	EA	0%	1.00	9.244	$55.54	9.24	$513.41	$2,026.70	$2,026.70	–	–	**$2,540.11**
Breaker														
42	1 Pole Breaker (20 Amp)	52.00	EA	0%	52.00	0.598	$55.54	31.10	$1,727.07	$24.28	$1,262.56	–	–	**$2,989.63**
43	3 Pole Breaker (60 Amp)	1.00	EA	0%	1.00	1.786	$55.54	1.79	$99.19	$134.74	$134.74	–	–	**$233.93**
44	3 Pole Breaker (125 Amp)	1.00	EA	0%	1.00	2.514	$55.54	2.51	$139.63	$298.55	$298.55	–	–	**$438.18**
45	3 Pole Breaker (30 Amp)	1.00	EA	0%	1.00	1.102	$55.54	1.10	$61.21	$67.96	$67.96	–	–	**$129.17**
Low Voltage														
46	Data Outlet	19.00	EA	0%	19.00	0.57	$55.54	10.83	$601.50	$5.98	$113.62	–	–	**$715.12**
47	4 Gang Outlet Box W/ (4) GFCI Modules	1.00	EA	0%	1.00	1.529	$55.54	1.53	$84.92	$105.27	$105.27	–	–	**$190.19**
48	Voice/ Data Outlet Mounted	3.00	EA	0%	3.00	0.638	$55.54	1.91	$106.30	$11.03	$33.09	–	–	**$139.39**

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Fire Alarm Devices														
49	Fire Alarm Strobe	5.00	EA	0%	5.00	0.986	$55.54	4.93	$273.81	$75.00	$375.00	–	–	**$648.81**
50	FA: Fire Alarm Annunciator Panel	1.00	EA	0%	1.00	5.216	$55.54	5.22	$289.70	$485.46	$485.46	–	–	**$775.16**
51	Fire Alarm Speaker/Strobe	7.00	EA	0%	7.00	1.247	$55.54	8.73	$484.81	$104.49	$731.43	–	–	**$1,216.24**
Misc.														
52	Occupancy Sensor	9.00	EA	0%	9.00	1.672	$55.54	15.05	$835.77	$90.52	$814.68	–	–	**$1,650.45**
53	CFI Module	1.00	EA	0%	1.00	3.983	$55.54	3.98	$221.22	$322.57	$322.57	–	–	**$543.79**
54	Power Pack	5.00	EA	0%	5.00	0.918	$55.54	4.59	$254.93	$49.97	$249.85	–	–	**$504.78**
55	Junction Box	15.00	EA	0%	15.00	0.874	$55.54	13.11	$728.13	$43.49	$652.35	–	–	**$1,380.48**
Wiring & Conduits														
56	#500KCMIL	240.00	LF	10%	264.00	0.418	$55.54	110.35	$6,128.95	$17.14	$4,524.96	–	–	**$10,653.91**
57	#12 Wire	1,440.00	LF	10%	1,584.00	0.013	$55.54	20.59	$1,143.68	$0.34	$538.56	–	–	**$1,682.24**
58	#10 Wire	60.00	LF	10%	66.00	0.018	$55.54	1.19	$65.98	$0.60	$39.60	–	–	**$105.58**
59	#6 Wire	210.00	LF	10%	231.00	0.027	$55.54	6.24	$346.40	$1.17	$270.27	–	–	**$616.67**
60	#4 Wire	30.00	LF	10%	33.00	0.038	$55.54	1.25	$69.65	$1.70	$56.10	–	–	**$125.75**
61	#4/0L Wire	120.00	LF	10%	132.00	0.274	$55.54	36.17	$2,008.77	$8.57	$1,131.24	–	–	**$3,140.01**
62	#3 Wire	60.00	LF	10%	66.00	0.049	$55.54	3.23	$179.62	$2.14	$141.24	–	–	**$320.86**
63	#1 Wire	360.00	LF	10%	396.00	0.067	$55.54	26.53	$1,473.59	$3.03	$1,199.88	–	–	**$2,673.47**
64	3-1/2" Conduit	60.00	LF	10%	66.00	0.107	$55.54	7.06	$392.22	$5.13	$338.58	–	–	**$730.80**
65	2-1/2" Conduit	30.00	LF	10%	33.00	0.091	$55.54	3.00	$166.79	$3.67	$121.11	–	–	**$287.90**
66	2" Conduit	90.00	LF	10%	99.00	0.083	$55.54	8.22	$456.37	$2.19	$216.81	–	–	**$673.18**
67	1" Conduit	30.00	LF	10%	33.00	0.067	$55.54	2.21	$122.80	$1.23	$40.59	–	–	**$163.39**
68	Wiring & Conduits	178.44	LF	10%	196.28	0.082	$55.54	16.10	$893.93	$2.84	$557.45	–	–	**$1,451.38**
													SUBTOTAL	**$139,798.25**

NOTES

General Notes: The prices used while preparing the estimate were taken from RSMeans online, i.e. the standard pricing. It is therefore preferred to review the prices.

1. The drawings are scaled as per the mentioned scales on the plans.

LEGEND

LBS = Pound
SF = Square Feet
LF = Linear Feet
EA = Each
CY = Cubic Yard
SY = Square Yard
LOC = Location
LS = Lump Sum

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OVERHEAD AND PROFIT	20%	$31,826.47
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