YOUR LOGO

YOUR COMPANY ELECTRIC LTD.

Electrical contractor · your street address · Calgary, Alberta
403-000-0000 · office@yourcompany.ca · GST No. 00000 0000 RT0001
Master Electrician: your name and certificate number

ESTIMATE

E-0247
Date 2026-08-18
Valid to 2026-09-17

SAMPLE · FICTIONAL JOB · NOT FOR CONSTRUCTION Names, quantities and prices are invented. Your logo, rates and terms go here.

TO	Example Owner Ltd. (fictional)	**PROJECT**	Office / showroom / warehouse fit-out and 600 A service
ATTN	Owner's representative	**NO.**	AS-24-0247 · Calgary, Alberta (fictional site, no address)
	Calgary, Alberta	**SIZE**	1,080 m², single storey · new 600 A, 120/208 V, 3-phase service

Basis: the architectural bid set A-100 to A-401 (by others, 2026-08-11), the mechanical equipment list (by others, 2026-08-08) and our design-build electrical layout, now drawings E-001 to E-501. Code: CEC Part I 2024 (CSA C22.1:24) as adopted in Alberta. Quantities are counted from the layout; cable and conduit lengths are measured along the routes plus 10 %.

LUMP SUM PRICE, ELECTRICAL WORK AS DESCRIBED

$236,608.94

plus GST

Price before GST	$236,608.94
GST 5 %	$11,830.45
Total with GST	**$248,439.39**

SCHEDULE OF VALUES (WHAT WE BILL AGAINST EACH MONTH)

Part of the work	Value
Mobilization, permits and drawings	$9,476.73
Service and distribution	$84,860.82
Lighting and controls	$38,674.74
Branch wiring and devices	$57,101.21
Mechanical connections	$14,456.86
EV charging	$17,732.04
Exterior lighting and sign	$9,255.15
Testing and closeout	$5,051.39
Total, before GST	**$236,608.94**

INCLUDED

- New 600 A, 120/208 V, 3-phase underground service from the ENMAX transformer: conductors, CT cabinet set-up for ENMAX metering, grounding electrodes and the 600 A main switchboard (MSB).
- Panel A (400 A, power) and Panel B (225 A, lighting and receptacles), feeders F1 and F2, all breakers shown on E-301.
- Lighting and controls: 31 troffers, 13 downlights, 12 pendants, 17 high-bays, 2 track runs, 12 emergency units, 6 exit signs, time clock and occupancy controls (NECB 2020).
- Exterior: 7 wall packs, 2 pole lights (poles and heads; bases by others), sign connection.
- Receptacles, floor boxes, furniture feeds and dedicated circuits as shown on E-102.
- Connections to three rooftop units, the make-up air unit, two unit heaters, the compressor, the water heater, exhaust fans and the IT split system, with disconnects.
- Four Level 2 EV chargers (supply, install, commission) and rough-ins for two more.
- Electrical permit (allowance below), plans examination submission (PL 1219), testing, labels, as-built drawings.

NOT INCLUDED

- ENMAX fees and work on the utility side: transformer, primary, meters and the service connection charge.
- Trenching, bedding, backfill and concrete pole bases (general contractor).
- Fire alarm system and devices, data and security cabling, EV charger network subscriptions.
- Patching and painting, cutting of rated assemblies other than firestopping our own penetrations.
- Overtime or night work, bonding and seismic restraint design.

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CLARIFICATIONS

- Copper and switchgear prices are from supplier quotes dated 2026-08-14 and held to 2026-09-01. After that, copper items are re-priced at the supplier's price on the day of the order.
- Switchboard lead time is about 14 to 16 weeks from approved shop drawings. Ordering depends on the award date.
- Included allowances: City of Calgary electrical permit $2,400 and lift rental $2,850. Allowances are reconciled at cost.
- Work in normal hours over about 12 weeks, in one phase, with clear access to the work areas.
- Changes are priced in writing and signed before the work starts. Change-order labour rate: $100.00 per hour.
- The available fault current at the service (22 kA) is assumed until ENMAX confirms it in writing.

ALTERNATE

A1. EV energy management system (EVEMS), so the two future chargers (EVSE-5 and -6) can be added without exceeding Panel A. Priced on request.

Prepared by: estimator, date

Checked by: Master Electrician, date

Accepted by the owner: name, date

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ESTIMATE DETAIL · INTERNAL, NOT SENT TO THE CLIENT

Included in this sample so your team can see how the price is built. Rates and prices are illustrative.

PRICE BUILD-UP

Item	Basis	Amount
Material, priced takeoff (below)		$118,922.35
Labour	751.9 h × $95.00/h	$71,425.75
Consumables	3 % of material	$3,567.67
Lift rental	allowance, high-bays and exterior	$2,850.00
Electrical permit	allowance	$2,400.00
Direct cost		**$199,165.77**
Overhead	10 % of direct cost	$19,916.58
Profit	8 % of direct cost and overhead	$17,526.59
Price before GST		**$236,608.94**

PRICED TAKEOFF

Counts from E-101 and E-102; lengths measured along the circuit routes from the panel, plus 1.5 m per device drop and 10 % waste. Labour units are hours per unit for a crew working at normal height (lift work is in the high-bay unit).

Code	Description	Qty	Unit	$ / unit	Material $	h / unit	Hours
	MOBILIZATION, PERMITS AND DRAWINGS						
PM	Project management, drawings, submittals, as-builts	1	lot	0.00	0.00	40	40.0
LAY	Layout and coordination with trades	1	lot	0.00	0.00	16	16.0
	Subtotal: Mobilization, permits and drawings				**0.00**		**56.0**
	SERVICE AND DISTRIBUTION						
E53	EMT 53 mm with fittings and supports	21	m	24.50	514.50	0.32	6.7
E63	EMT 63 mm with fittings and supports	24	m	36.00	864.00	0.4	9.6
P103	PVC 103 mm, underground (trench by others)	33	m	19.00	627.00	0.2	6.6
W4	RW90 #4 Cu (bond)	24	m	5.40	129.60	0.02	0.5
W3	RW90 #3 Cu (bond)	21	m	6.80	142.80	0.022	0.5
W30	RW90 3/0 Cu	84	m	18.20	1,528.80	0.045	3.8
W40	RW90 4/0 Cu	93	m	22.80	2,120.40	0.05	4.7
W350	RW90 XLPE 1000 V 350 kcmil Cu	132	m	37.50	4,950.00	0.07	9.2
MSB	MSB 600 A switchboard, 600 A main, 35 kA, feeder breakers 400/225/100 A	1	ea	29,800.00	29,800.00	32	32.0
PA	Panel A 400 A MLO, 42 ct, 22 kA, surface	1	ea	5,950.00	5,950.00	16	16.0
PB	Panel B 225 A MLO, 42 ct, 22 kA, recessed	1	ea	3,480.00	3,480.00	14	14.0
B1	Breaker 1P 15-20 A, 22 kA	39	ea	34.00	1,326.00	0.3	11.7
B2	Breaker 2P 20-40 A, 22 kA	6	ea	118.00	708.00	0.5	3.0
B3	Breaker 3P 15-60 A, 22 kA	7	ea	365.00	2,555.00	0.8	5.6
GND	Service grounding: electrodes, GEC, bonding to water and building steel	1	lot	650.00	650.00	12	12.0
CTC	CT metering cabinet: install utility-supplied cabinet, coordinate with ENMAX	1	lot	120.00	120.00	8	8.0
	Subtotal: Service and distribution				**55,466.10**		**143.8**

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Code	Description	Qty	Unit	$ / unit	Material $	h / unit	Hours
	LIGHTING AND CONTROLS						
LA	Type A LED troffer 600 x 1200, 0-10 V	31	ea	168.00	5,208.00	0.75	23.2
LB	Type B LED downlight 150 mm	13	ea	52.00	676.00	0.6	7.8
LC	Type C LED linear pendant 1200 mm	12	ea	315.00	3,780.00	1.2	14.4
LD	Type D LED high-bay 20,000 lm (lift)	17	ea	289.00	4,913.00	1.5	25.5
LE	Type E LED strip 1200 mm	4	ea	64.00	256.00	0.5	2.0
LT	Track 4.0 m with 6 heads (type T)	2	ea	488.00	976.00	2.7	5.4
LEM	Emergency lighting unit, 2 heads, self-test	12	ea	189.00	2,268.00	0.8	9.6
LX	Exit sign, running-man pictogram	6	ea	139.00	834.00	0.7	4.2
LC1	LC-1 time clock and lighting contactor panel	1	ea	1,250.00	1,250.00	6	6.0
SW	Switch, single pole, spec grade, box and plate	10	ea	16.50	165.00	0.45	4.5
SD	0-10 V dimmer, box and plate	1	ea	74.00	74.00	0.6	0.6
OSW	Wall-box occupancy sensor	3	ea	78.00	234.00	0.55	1.6
OS	Ceiling occupancy sensor, dual-tech, with power pack	4	ea	141.00	564.00	0.9	3.6
	Subtotal: Lighting and controls				**21,198.00**		**108.5**
	BRANCH WIRING AND DEVICES						
RD	Duplex receptacle 15 A, spec grade, box, ring, plate	34	ea	19.40	659.60	0.55	18.7
RG	GFCI receptacle, box, ring, plate	5	ea	46.00	230.00	0.65	3.2
RW	WP GFCI receptacle with in-use cover	6	ea	78.00	468.00	0.9	5.4
RDD	Dedicated receptacle 5-20R, box and plate	6	ea	22.00	132.00	0.6	3.6
FB	Floor box, recessed, with duplex (coring by others)	6	ea	265.00	1,590.00	2.5	15.0
FF	Furniture feed: J-box and flex whip to workstation base	4	ea	85.00	340.00	1.5	6.0
DB	Data back box + pull string to ceiling (cabling by others)	7	ea	9.00	63.00	0.35	2.5
AC12	AC90 12/2 cable	773	m	3.25	2,512.25	0.055	42.5
E21	EMT 21 mm with fittings and supports	1,416	m	6.20	8,779.20	0.11	155.8
W12	RW90 #12 Cu	2,825	m	0.92	2,599.00	0.008	22.6
W10	RW90 #10 Cu	1,273	m	1.40	1,782.20	0.01	12.7
	Subtotal: Branch wiring and devices				**19,155.25**		**288.0**
	MECHANICAL CONNECTIONS						
E27	EMT 27 mm with fittings and supports	110	m	9.80	1,078.00	0.14	15.4
W8	RW90 #8 Cu	408	m	2.30	938.40	0.013	5.3
W6	RW90 #6 Cu	191	m	3.60	687.60	0.016	3.1
FLX	Liquidtight flex connection with fittings	5	ea	48.00	240.00	0.75	3.8
D603	Disconnect 60 A 3P NF, NEMA 3R	4	ea	265.00	1,060.00	2	8.0
D303	Disconnect 30 A 3P NF	3	ea	185.00	555.00	1.6	4.8
D302	Disconnect 30 A 2P NF, NEMA 3R	2	ea	150.00	300.00	1.4	2.8
DMS	Motor-rated switch 1P	2	ea	48.00	96.00	0.6	1.2
EQC	Equipment connection (terminate, rotation check)	11	ea	0.00	0.00	2.5	27.5
	Subtotal: Mechanical connections				**4,955.00**		**71.8**
	EV CHARGING						
EVSE	Level 2 EVSE, networked, 32 A, wall mount, commission	4	ea	2,950.00	11,800.00	6	24.0
EVR	Future EVSE rough-in: EMT 27 mm stub, pull string, labelled	2	ea	40.00	80.00	1.5	3.0
	Subtotal: EV charging				**11,880.00**		**27.0**

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Code	Description	Qty	Unit	$ / unit	Material $	h / unit	Hours
	EXTERIOR LIGHTING AND SIGN						
LF	Type F LED wall pack with photocell	7	ea	189.00	1,323.00	1.1	7.7
LG	Type G LED area head + 6 m pole (base by others)	2	ea	2,140.00	4,280.00	5	10.0
LSN	Sign connection, J-box and 15 A circuit	1	ea	65.00	65.00	2	2.0
	Subtotal: Exterior lighting and sign				**5,668.00**		**19.7**
	TESTING AND CLOSEOUT						
LBL	Panel directories, Rule 2-100 marking, arc flash labels	1	lot	180.00	180.00	5	5.0
FST	Firestopping at rated separations (listed systems)	1	lot	420.00	420.00	6	6.0
TST	Testing: insulation resistance, GFCI, emergency 30-min, torque log	1	lot	0.00	0.00	18	18.0
CLN	Clean-up and demobilization	1	lot	0.00	0.00	8	8.0
	Subtotal: Testing and closeout				**600.00**		**37.0**
	Total				**118,922.35**		**751.9**