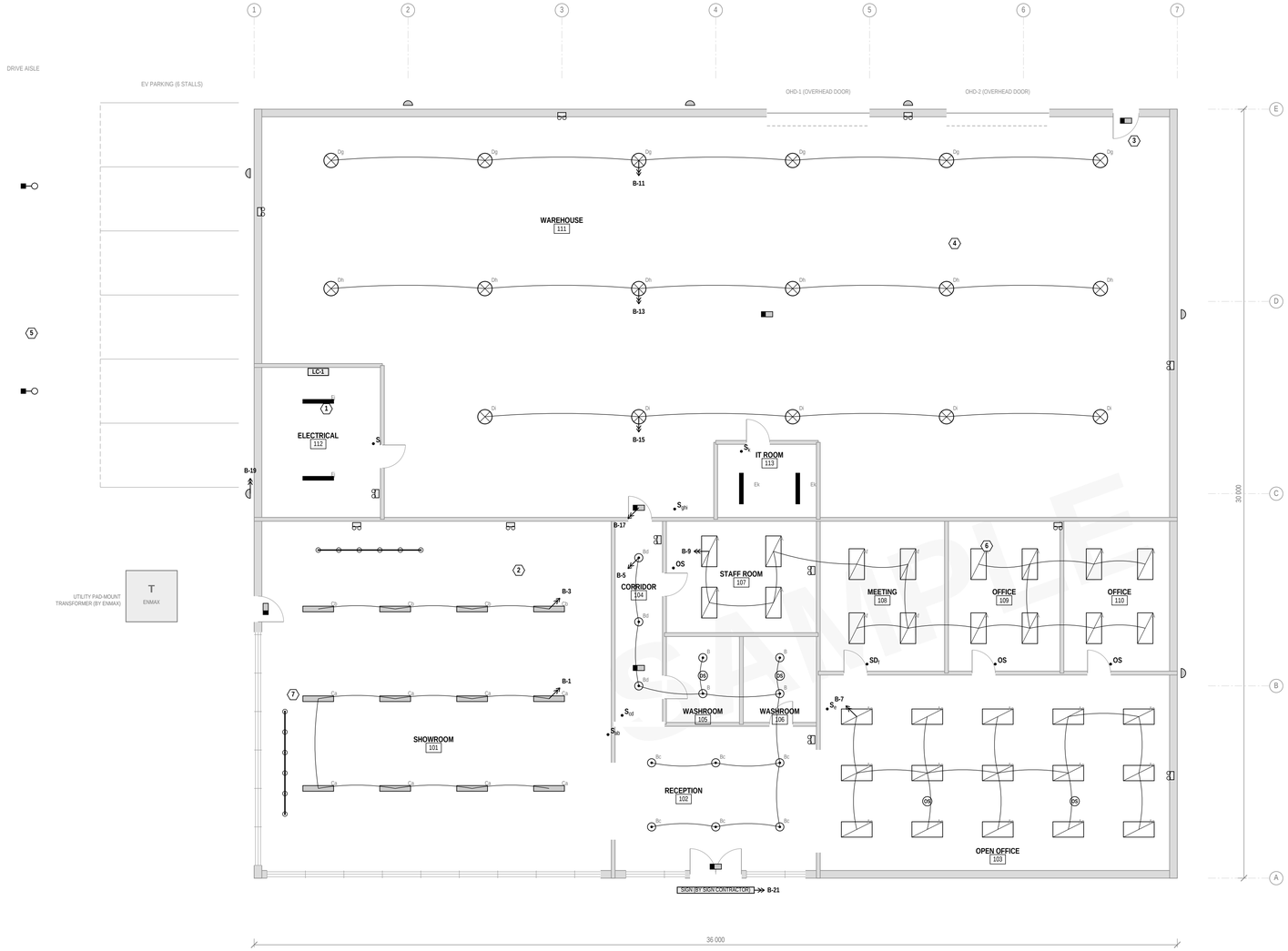

1 E-101 **LIGHTING PLAN**

SCALE 1:100

LUMINAIRE SCHEDULE

TYPE	DESCRIPTION	W	MOUNTING	QTY
A	LED troffer 600 x 1200, recessed, 4,800 lm, 4000 K, 0-10 V dimming	40	Recessed T-Bar	31
B	LED downlight 150 mm, recessed, 1,200 lm, 3500 K	15	Recessed	13
C	LED linear pendant 1200 mm, direct/indirect, 7,800 lm, 3500 K	60	Pendant, 3.0 m AFF	12
D	LED high-bay, 20,000 lm, 4000 K, wide distribution	150	Chain, 7.0 m AFF	17
E	LED strip 1200 mm, surface, 3,600 lm, 4000 K	30	Surface / chain	4
F	LED wall pack, full cut-off, 4,500 lm, 4000 K, photocell	40	Wall, 4.0 m AFG	7
G	LED area light on 6 m pole, type III, 12,000 lm	100	Pole, 6.0 m	2
T	Track head on 4.0 m track, 1,600 lm, 3000 K (6 heads per track)	20	Track, ceiling	2 × 6
EM	Emergency lighting unit, 12 V, two heads, self-test	20	Wall, 2.4 m AFF	12
X	Exit sign, green running-man pictogram, LED	3	Wall / ceiling	6

Luminaires: CSA certified, LED, 0-10 V dimmable where shown as A. Final selections by the owner; equivalents accepted on approval.

LIGHTING CONTROLS (NECB 2020, SECTION 4)

1. LC-1 time clock and contactors in 112 ELECTRICAL control the showroom (B-1, B-3), warehouse (B-11, B-13, B-15) and exterior (B-19, B-21). Local switches marked with the leg letter give a 2-hour override.
2. Enclosed rooms (offices, staff room, washrooms) on occupancy sensors, manual-on where shown as OS on the wall.
3. Open office: two ceiling sensors, auto-off after 20 minutes of no occupancy, switch e at the entrance.
4. Meeting room: 0-10 V dimmer SD at the door.
5. Exterior: photocell ON, time clock OFF at 23:00, ON 06:00 to dawn.

KEYED NOTES

1. LC-1 lighting control panel on the north wall of 112 ELECTRICAL, fed from B-17. Contactor coils at 120 V.
2. Emergency lighting units on unswitched circuit B-17. Run time and illumination to NBC (AE) 2023, Subsection 3.2.7; units to CSA C22.2 No. 141. Test before the final inspection.
3. Exit signs: green running-man pictogram, on unswitched circuit B-17, directional arrows as required by the path of travel.
4. High-bays at 7.0 m AFF on chain, clear of the overhead door tracks. Field-verify with the racking layout.
5. Pole lights: 6 m poles on concrete bases by others. B-19 in 27 mm PVC underground, #10 Cu for voltage drop (see E-302).
6. Office lighting on wall-box occupancy sensors (vacancy mode).
7. Track lighting: two 4.0 m tracks, six heads each, aimed on site with the owner.

CIRCUITING

- Home run arrows show the panel circuit. Arcs show fixtures on the same circuit. Lower-case letters are switch legs.
- Branch circuits #12 Cu minimum. AC90 concealed in office areas; EMT exposed in the warehouse, 112 and 113.

SAMPLE · FICTIONAL JOB · NOT FOR CONSTRUCTION
Shows the format of an AI-drafted set. A real set uses your title block and your standards.

YOUR LOGO

YOUR COMPANY ELECTRIC LTD.
ELECTRICAL CONTRACTOR
Calgary, Alberta
Your address, phone, email
Master Electrician: your name, No.

REVIEW AND SIGNATURE

MASTER ELECTRICIAN SIGNATURE

P.ENG. SEAL (WHERE REQUIRED)

SAMPLE: NOT REVIEWED, NOT SIGNED, NOT SEALED

PROJECT
OFFICE / SHOWROOM / WAREHOUSE FIT-OUT AND 600 A SERVICE
CALGARY, ALBERTA · FICTIONAL SITE. NO REAL ADDRESS.
OWNER: EXAMPLE OWNER LTD. (FICTIONAL)
PROJECT NO. AS-24-0247

REVISIONS

NO.	DATE	DESCRIPTION
0	2026-09-04	ISSUED FOR PERMIT
1	2026-10-23	CO-07: TWO RECEPTACLES ADDED IN OFFICE 110, NEW CIRCUIT B-37

DRAWN	AI DRAFT (ALPHA SEED)
CHECKED	ESTIMATOR / DESIGNER
REVIEWED	MASTER ELECTRICIAN
SCALE	1:100
DATE	2026-10-23

SHEET TITLE
LIGHTING PLAN
Luminaire schedule, lighting controls

SHEET
E-101
PROJECT NO. AS-24-0247

SAMPLE DRAFTED BY ALPHA SEED AI FOR YOUR TEAM TO CHECK · ALPHASEED.CA