

WILLOW CREEK COMMUNITY CENTER

1200 Willow Lane, Example Township | Fictional training project WC-26-014

E101

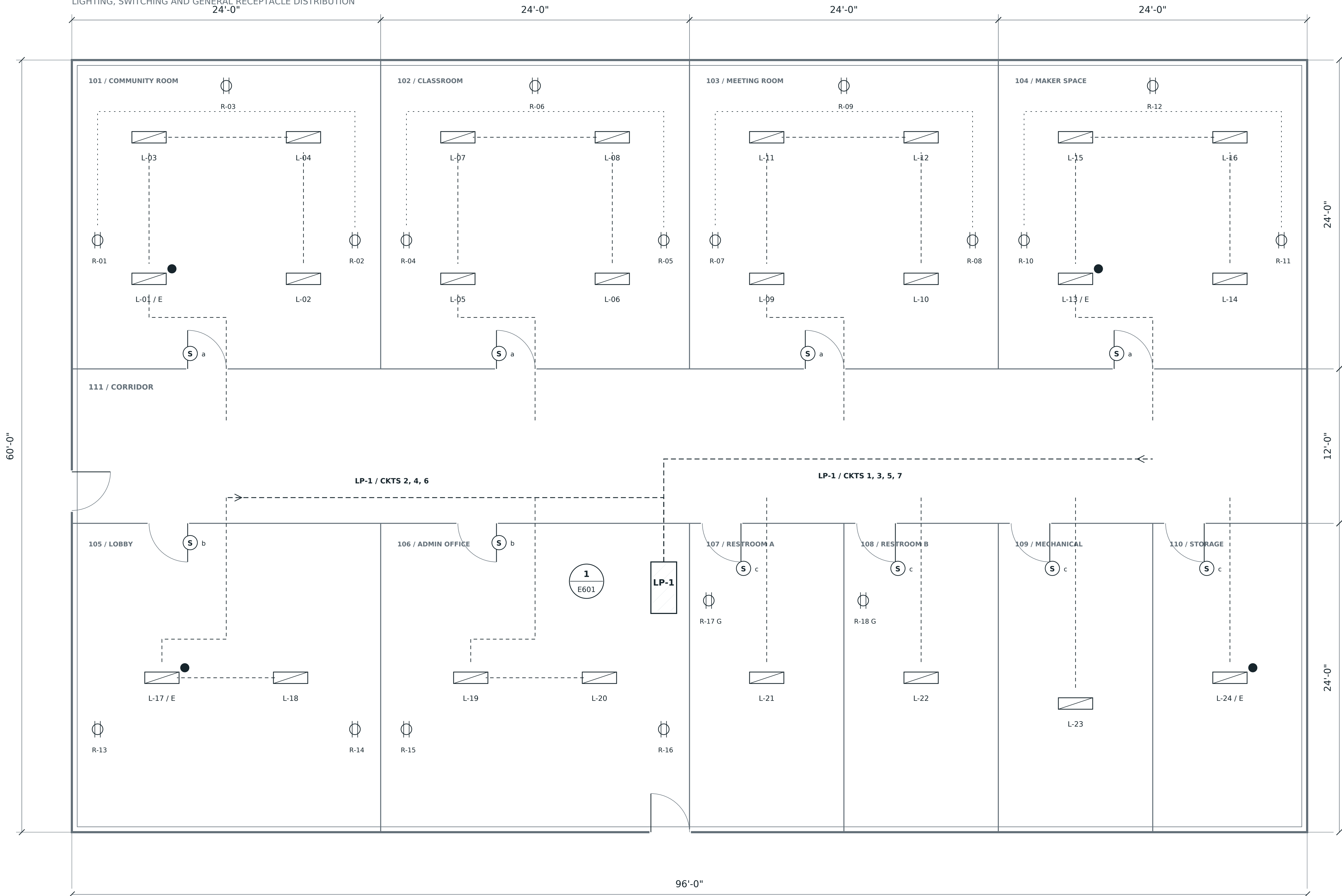
DEMONSTRATION ISSUE

POLYPDF

DRAWING DEMO LIBRARY

1 / ELECTRICAL FLOOR PLAN

LIGHTING, SWITCHING AND GENERAL RECEPTACLE DISTRIBUTION



ELECTRICAL KEYNOTES

01 L-01 through L-24 are ceiling luminaires. E denotes an illustrative emergency battery unit.

02 Match switching zones to room entrances. Dashed wiring is a circuit diagram, not conduit length.

03 General receptacles are tagged R-01 through R-18. G identifies sample GFCI devices.

04 LP-1 is a sample 120/208 V, 3-phase panel. See linked one-line and schedule E601.

05 Dedicated mechanical loads use separate hardwired connections; not included in receptacle count.

06 Conductor sizes and protective devices are fictional demonstration selections.

PLAN SYMBOLS

CEILING LUMINAIRE

RECEPTACLE

ROOM SWITCH

EMERGENCY BATTERY

LIGHTING CIRCUIT

POWER CIRCUIT

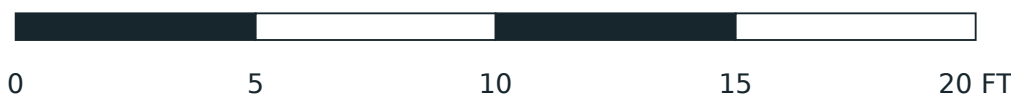
COUNTING EXERCISE

Plan: 24 luminaires including 4 E units; 18 receptacles including 2 G devices.

Legend adds one luminaire and one receptacle. Count inside the plan boundary.

20 FT calibration segment = 360 PDF points.

GRAPHIC SCALE



DEMO HOME RUN: 46.00 FT CENTERLINE / FROM LP-1 TO EAST CORRIDOR

DRAWING TITLE

LIGHTING AND RECEPTACLE PLAN

DISCIPLINE

ELECTRICAL / POWER

ISSUE RECORD

REVISION A

2026-09-15

Demonstration issue

Drawn: PP / Checked: QA

SHEET DATA

Scale: 1/4 IN = 1 FT

Original: 36 x 24 IN

PDF page 1

Units: feet unless noted

USE NOTICE

FICTIONAL PROJECT

DEMONSTRATION ONLY

NOT FOR CONSTRUCTION

No engineering design, code review or permit approval is implied.

E101

REV A

WILLOW CREEK COMMUNITY CENTER

1200 Willow Lane, Example Township | Fictional training project WC-26-014

E601
DEMONSTRATION ISSUE

POLYPDF
DRAWING DEMO LIBRARY

PROJECT

WILLOW CREEK
COMMUNITY CENTER
WC-26-014
ONE-STORY / 5,760 SF

DRAWING TITLE

ELECTRICAL DETAILS AND
SCHEDULES

DISCIPLINE

ELECTRICAL / POWER

ISSUE RECORD

REVISION A
2026-09-15
Demonstration issue
Drawn: PP / Checked: QA

SHEET DATA

Scale: AS NOTED
Original: 36 x 24 IN
PDF page 2
Units: feet unless noted

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E601

REV A

ELECTRICAL NOTES

Diagrams and schedules are explicitly not to scale.

24 luminaires: 20 standard and 4 with integral emergency battery.

18 receptacles: 16 general and 2 GFCI. Ten room switches are shown.

The selected 46 FT route connects (46,21) to (46,29) to (84,29).

The table total is arithmetic demonstration data; design loads have not been verified.

DEMO WORKFLOWS

Count tagged symbols in the plan.

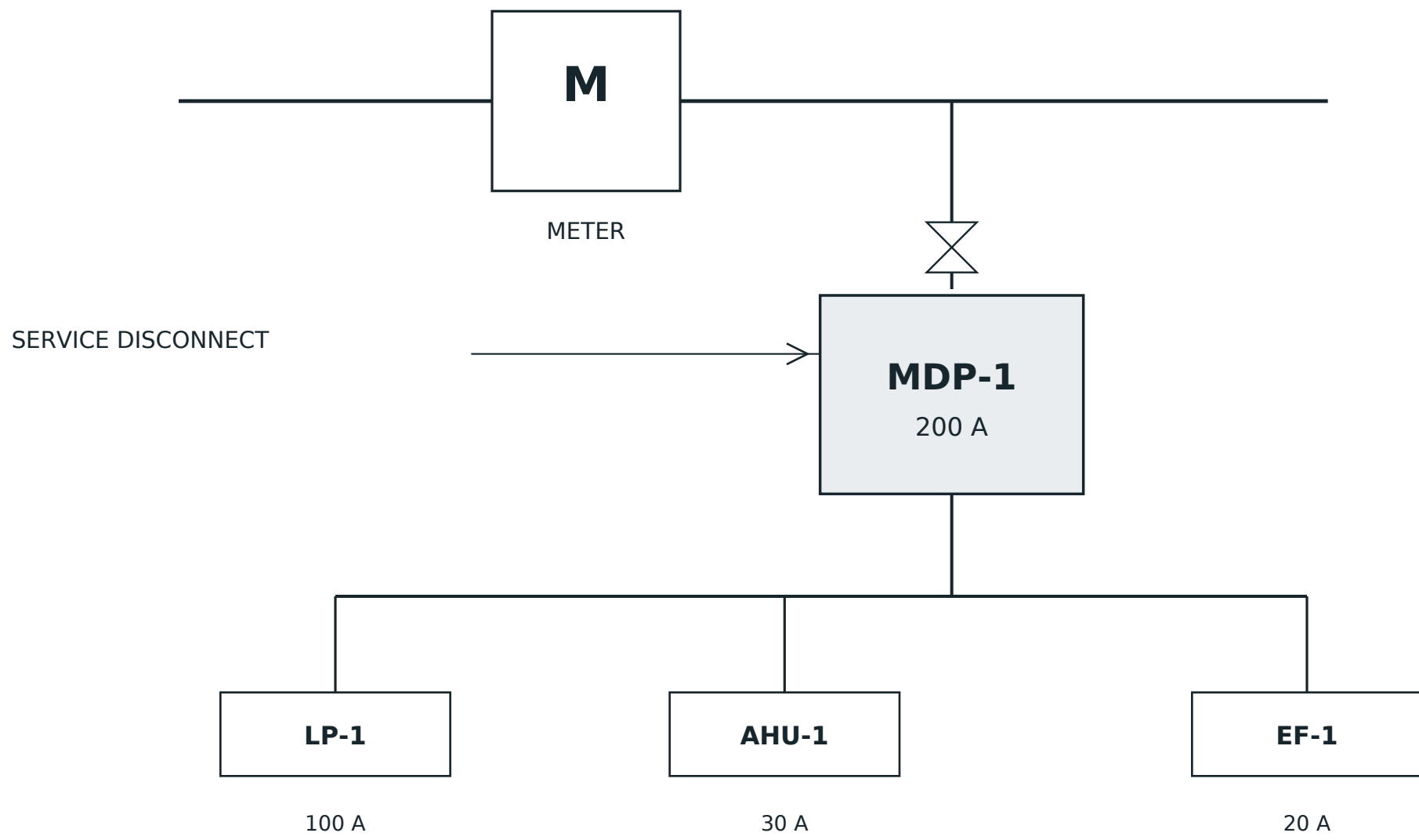
Compare device counts with E601 schedules.

Trace a circuit, mark conflicts, hyperlink a detail, and extract a schedule.

1 POWER DISTRIBUTION ONE-LINE

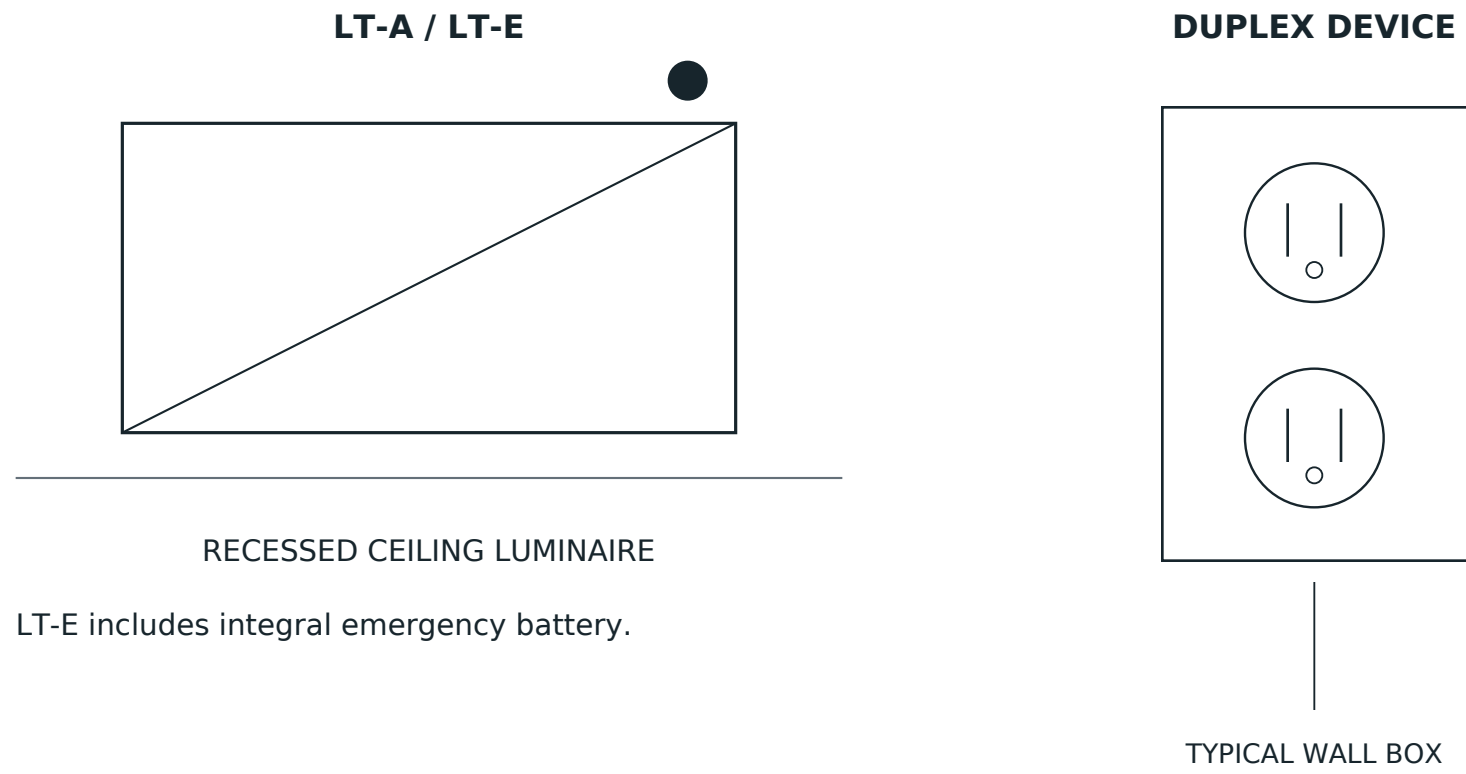
DIAGRAM / NOT TO SCALE

ILLUSTRATIVE SERVICE / 120/208 V, 3-PHASE, 4-WIRE



2 LIGHTING / RECEPTACLE DEVICE DETAILS

DIAGRAM / NOT TO SCALE



Symbols on E101 are diagrammatic. Detail sizes are intentionally NTS.
G mark identifies the two GFCI demonstration receptacles in restrooms.

3 LP-1 DEMONSTRATION CIRCUIT SCHEDULE

SCHEDULE / NOT TO SCALE

CKT	LOAD DESCRIPTION	POLE	BREAKER	VA	ZONE
1	LIGHTING LT-A	1	20 A	720	101 / 102
2	LIGHTING LT-A	1	20 A	720	103 / 104
3	LIGHTING LT-A/E	1	20 A	720	105-110
4	GEN RECEPTACLES	1	20 A	1,440	101 / 102
5	GEN RECEPTACLES	1	20 A	1,440	103 / 104
6	GEN RECEPTACLES	1	20 A	960	105 / 106
7	GFCI RECEPTACLES	1	20 A	480	107 / 108
8	SPARE	1	20 A	0	AVAILABLE
9	SPARE	1	20 A	0	AVAILABLE

DEMONSTRATION CONNECTED LOAD: 6,480 VA / NO DEMAND APPLIED

Invented values support table extraction and review; not a load calculation.

4 FIXTURE AND DEVICE SCHEDULE

SCHEDULE / NOT TO SCALE

TYPE	DESCRIPTION	QTY	RATING	MOUNTING
LT-A	STANDARD LED TROFFER	20	90 VA	CEILING
LT-E	LED WITH EM BATTERY	4	90 VA	CEILING
REC-A	DUPLEX RECEPTACLE	16	240 VA	WALL
REC-G	GFCI DUPLEX	2	240 VA	WALL
SW-A	ROOM SWITCH	10	N/A	WALL
LP-1	BRANCH CIRCUIT PANEL	1	100 A	SURFACE

TAG CONVENTIONS

L-01 to L-24: individual luminaires; E suffix flags a battery unit.

R-01 to R-18: individual receptacles; G suffix flags GFCI.

Circuit labels are examples for annotation and search demonstrations.