WILLOW CREEK COMMUNITY CENTER

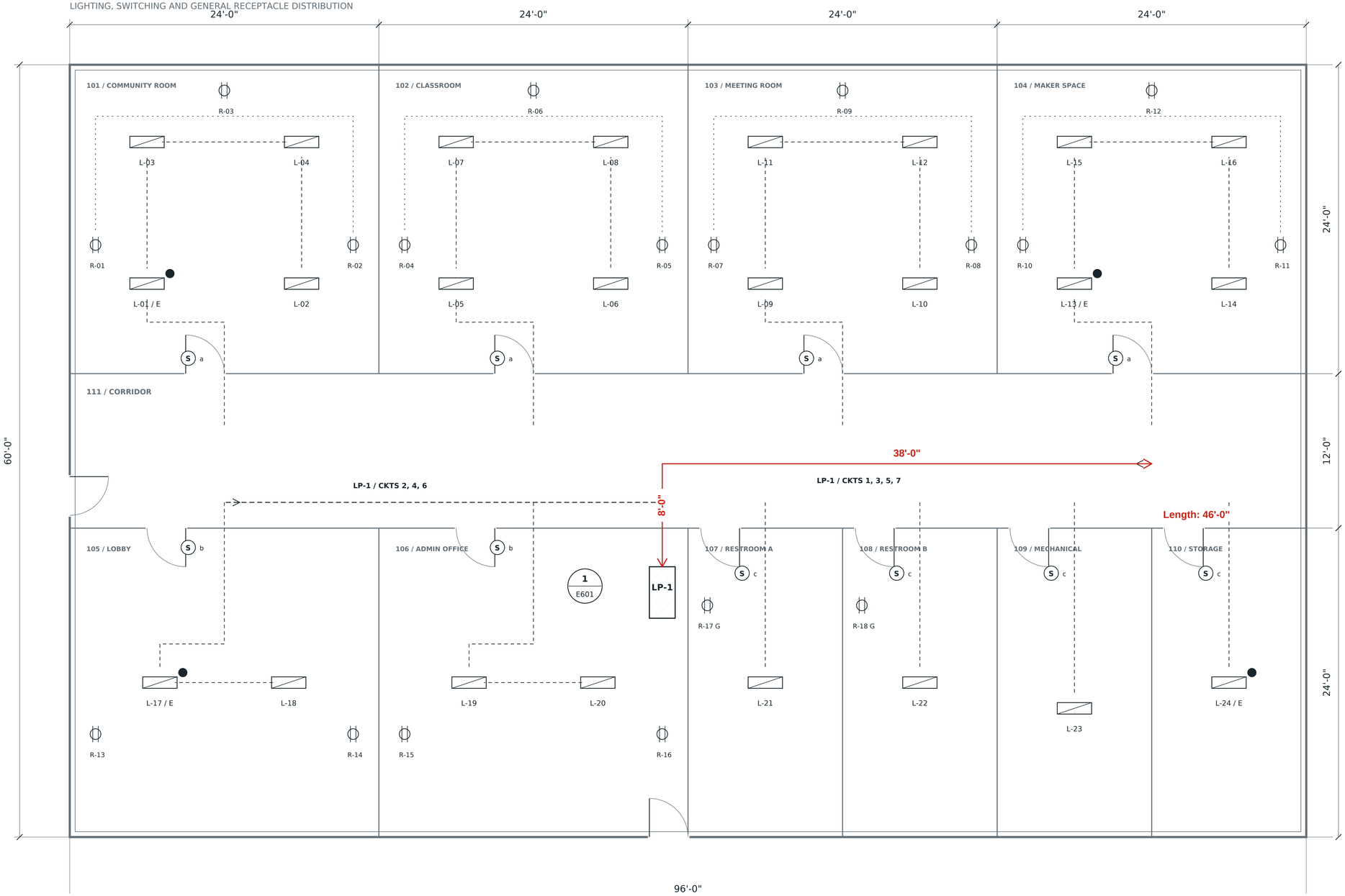
1200 Willow Lane, Example Township | Fictional training project WC-26-014

E101

DEMONSTRATION ISSUE

1 / ELECTRICAL FLOOR PLAN

LIGHTING, SWITCHING AND GENERAL RECEPTACLE DISTRIBUTION



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

GRAPHIC SCALE

0 5 10 15 20 FT

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.

POLYPDF

DRAWING DEMO LIBRARY

PROJECT

WILLOW CREEK

COMMUNITY CENTER

WC-26-014

ONE-STORY / 5,760 SF

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.

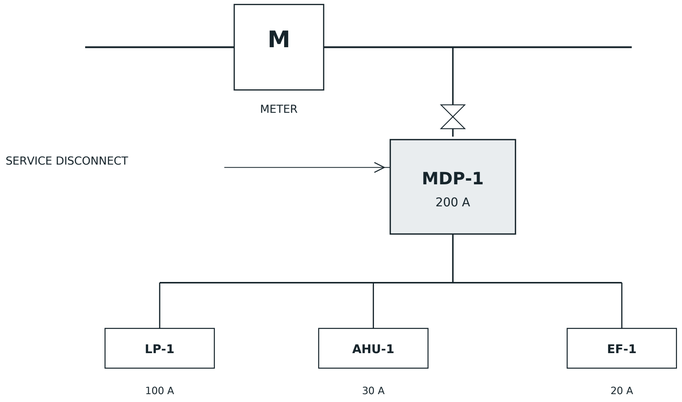
E101

REV A

1 POWER DISTRIBUTION ONE-LINE

DIAGRAM / NOT TO SCALE

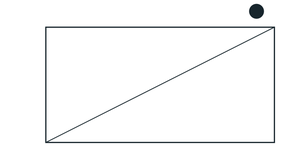
ILLUSTRATIVE SERVICE / 120/208 V, 3-PHASE, 4-WIRE



2 LIGHTING / RECEPTACLE DEVICE DETAILS

DIAGRAM / NOT TO SCALE

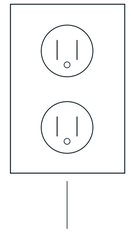
LT-A / LT-E



RECESSED CEILING LUMINAIRE

LT-E includes integral emergency battery.

DUPLEX DEVICE



TYPICAL WALL BOX

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.

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.

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DRAWING DEMO LIBRARY

PROJECT

WILLOW CREEK

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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

USE NOTICE

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E601

REV A