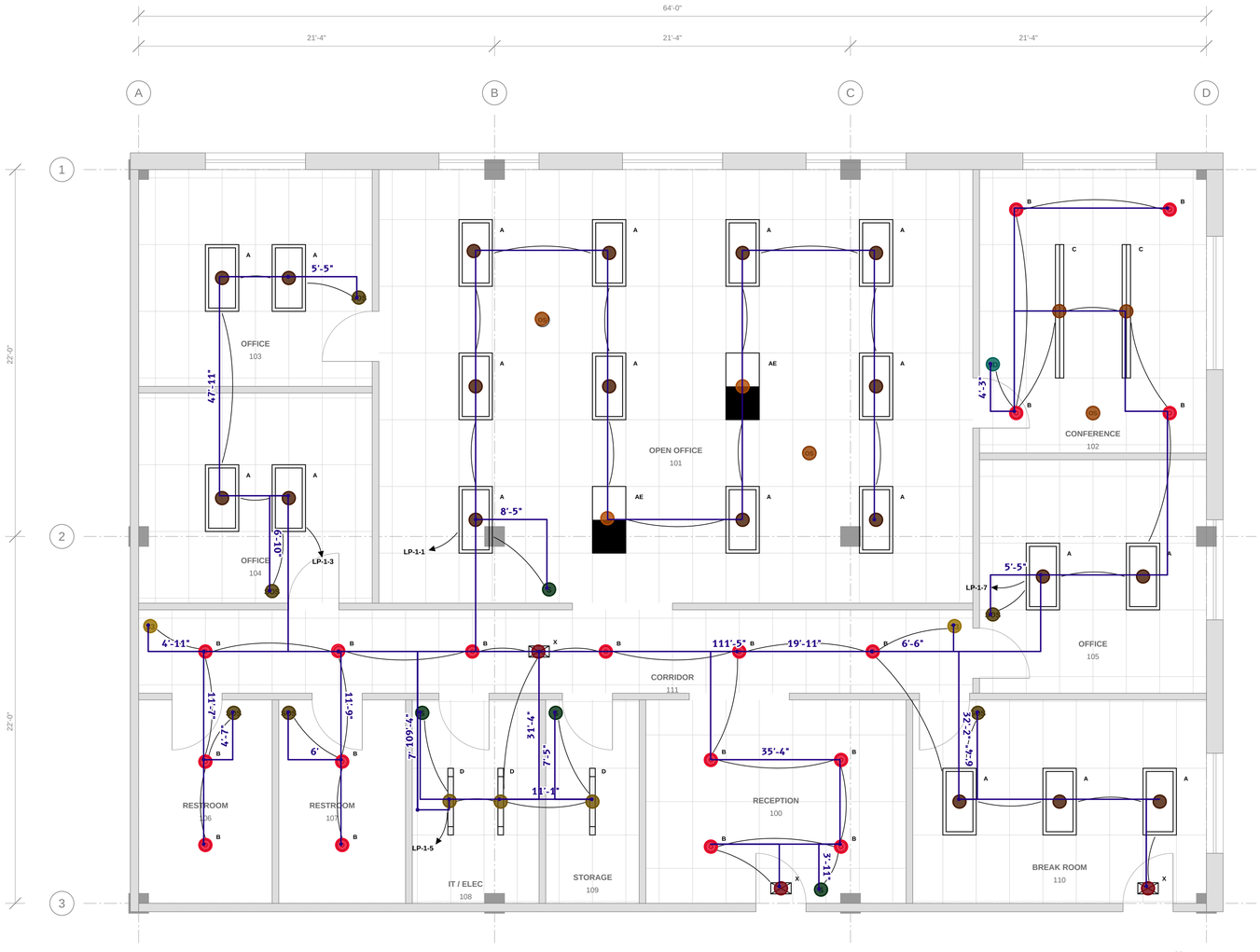


1 LIGHTING PLAN

SCALE: 1/4" = 1'-0"

LIGHTING SYMBOL LEGEND

	2x4 LED FLAT PANEL, RECESSED. LETTER = FIXTURE TYPE
	2x4 LED FLAT PANEL WITH EMERGENCY BATTERY (TYPE AE)
	RECESSED DOWNLIGHT
	LINEAR PENDANT
	LED STRIP
	EXIT SIGN
OS	CEILING OCCUPANCY SENSOR
S	SINGLE-POLE SWITCH
S3	THREE-WAY SWITCH
SD	0-10V DIMMER SWITCH
SOS	WALL OCCUPANCY SENSOR SWITCH
	CIRCUIT CONNECTION
	HOME RUN TO PANEL (PANEL-CIRCUIT)

LIGHT FIXTURE SCHEDULE

TYPE	DESCRIPTION	MOUNTING	LUMENS	WATTS	VOLTS
A	2x4 LED FLAT PANEL, 4000K, 0-10V DIMMING	RECESSED, GRID	5,000	40	120
AE	SAME AS TYPE A WITH 90-MINUTE EMERGENCY BATTERY	RECESSED, GRID	5,000	40	120
B	6" LED DOWNLIGHT, 3000K	RECESSED	1,500	15	120
C	8' LED LINEAR PENDANT, DIRECT/INDIRECT, 3500K	PENDANT, 8'-6" AFF	8,000	64	120
D	4' LED STRIP WITH WIRE GUARD, 4000K	SURFACE, CEILING	4,000	32	120
X	LED EXIT SIGN, RED LETTERS, BATTERY BACKUP	CEILING OR WALL		3	120

GENERAL NOTES

1. CIRCUIT LINES SHOW CONNECTIONS ONLY. ROUTE BRANCH CIRCUITS CONCEALED ABOVE THE CEILING AND IN WALLS.
2. BRANCH CIRCUITS: 2#12, 1#12 GND IN 3/4" EMT UNLESS NOTED OTHERWISE.
3. CEILINGS ARE 2x4 SUSPENDED GRID AT 9'-0" AFF UNLESS NOTED. RESTROOM CEILINGS ARE GYPSUM BOARD AT 9'-0" AFF.
4. ALIGN RECESSED FIXTURES WITH THE CEILING GRID AS SHOWN.
5. MOUNT SWITCHES AND WALL SENSORS 48" AFF TO TOP.
6. CONNECT TYPE AE FIXTURES AND EXIT SIGNS AHEAD OF LOCAL SWITCHING.
7. ALL BRANCH CIRCUITS ARE 120V, 20A, FROM PANEL LP-1 IN ROOM 108.

EASY TAKEOFFS

SAMPLE PLAN SET

FOR TAKEOFF PRACTICE ONLY.
NOT FOR CONSTRUCTION.

PROJECT

SAMPLE OFFICE, SUITE 200

TENANT IMPROVEMENT

PROJECT NO. ET-2026-01

REVISIONS

DATE	10/30/2026
SCALE	1/4" = 1'-0"
DRAWN BY	ET
SHEET SIZE	ARCH D, 24" x 36"

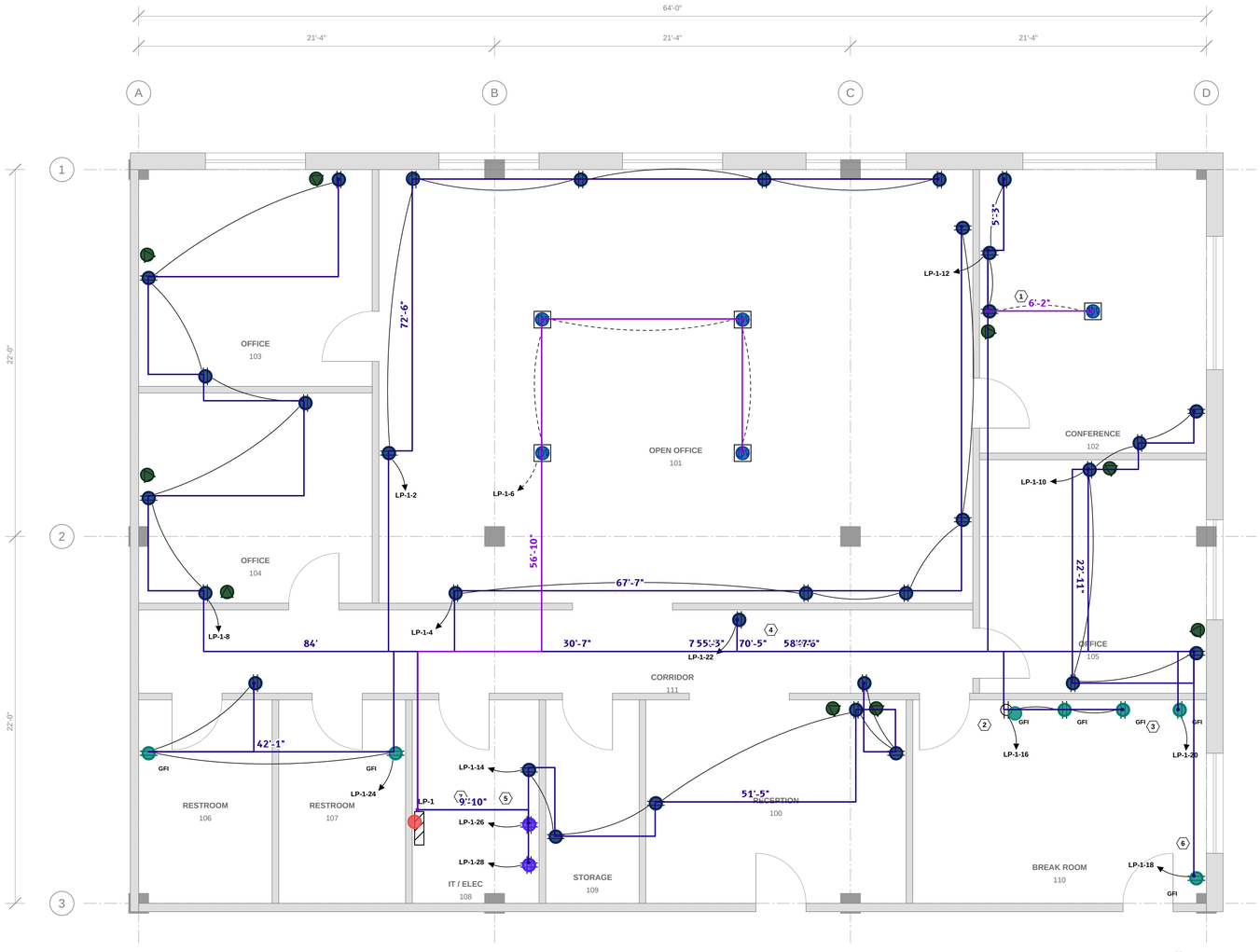
SHEET TITLE

LIGHTING PLAN

SHEET

E1.1

(c) 2026 Easy Takeoffs. Free to use for practice.



1 POWER PLAN

SCALE: 1/4" = 1'-0"

POWER SYMBOL LEGEND

- DUPLEX RECEPTACLE, 20A, 125V
- GFCI DUPLEX RECEPTACLE, 20A, 125V
- QUADRUPLEX RECEPTACLE, 20A, 125V
- FLOOR BOX WITH DUPLEX RECEPTACLE AND DATA
- DATA OUTLET
- PANELBOARD, SURFACE MOUNTED
- CIRCUIT CONNECTION, CONCEALED IN CEILING OR WALL
- CIRCUIT CONNECTION, CONCEALED BELOW SLAB
- HOME RUN TO PANEL (PANEL-CIRCUIT)

PANEL LP-1

120/208V, 3 PHASE, 4 WIRE. 125A MAIN LUGS. SURFACE MOUNTED. 30 CIRCUITS. 10,000 AIC.

CKT	DESCRIPTION	BKR	VA	CKT	DESCRIPTION	BKR	VA
1	LTG - OPEN OFFICE	20/1	480	2	RECPT - OPEN OFFICE N/W	20/1	900
3	LTG - OFFICES 103, 104	20/1	160	4	RECPT - OPEN OFFICE S/E	20/1	900
5	LTG - CORR, RECEP, RR, 108-110, EXIT	20/1	435	6	FLOOR BOXES - OPEN OFFICE	20/1	720
7	LTG - CONFERENCE, OFFICE 105	20/1	268	8	RECPT - OFFICES 103, 104	20/1	1,080
9	SPARE	20/1		10	RECPT - OFFICE 105, CONF	20/1	900
11	SPARE	20/1		12	RECPT - CONFERENCE	20/1	720
13	SPACE			14	RECPT - CORR, RECEP, 108, 109	20/1	1,080
15	SPACE			16	BREAK ROOM COUNTER	20/1	540
17	SPACE			18	REFRIGERATOR	20/1	800
19	SPACE			20	MICROWAVE	20/1	1,500
21	SPACE			22	COPIER	20/1	1,500
23	SPACE			24	RECPT - RESTROOMS, CORR	20/1	540
25	SPACE			26	DATA RACK	20/1	1,500
27	SPACE			28	DATA RACK	20/1	1,500
29	SPACE			30	SPARE	20/1	

TOTAL CONNECTED LOAD: 15,523 VA

GENERAL NOTES

1. CIRCUIT LINES SHOW CONNECTIONS ONLY. ROUTE BRANCH CIRCUITS CONCEALED ABOVE THE CEILING AND IN WALLS. DASHED LINES ARE CONCEALED BELOW THE SLAB.
2. BRANCH CIRCUITS: 2#12, 1#12 GND IN 3/4" EMT UNLESS NOTED OTHERWISE.
3. MOUNT RECEPTACLES 18" AFF TO CENTER UNLESS NOTED.
4. DATA OUTLETS: 4" SQUARE BOX WITH SINGLE-GANG RING AND 1" EMT STUB TO ABOVE THE CEILING WITH BUSHING. CABLING BY THE OWNER'S VENDOR.
5. FLOOR BOXES: RECESSED, ONE DUPLEX RECEPTACLE AND ONE DATA OPENING. FEED IN 3/4" PVC BELOW THE SLAB.
6. PROVIDE GFCI PROTECTION FOR ALL RECEPTACLES IN THE BREAK ROOM AND RESTROOMS.

KEYNOTES

1. TV RECEPTACLE AND DATA OUTLET AT 60" AFF.
2. COUNTER RECEPTACLES AT 44" AFF.
3. MICROWAVE. DEDICATED 20A CIRCUIT AT 44" AFF.
4. COPIER. DEDICATED 20A CIRCUIT.
5. DATA RACK. DEDICATED 20A CIRCUITS. COORDINATE THE RACK LOCATION WITH THE OWNER'S IT VENDOR.
6. REFRIGERATOR. DEDICATED 20A CIRCUIT.
7. PANEL LP-1. FEED FROM EXISTING DISTRIBUTION PANEL DP-2 IN THE BUILDING ELECTRICAL ROOM WITH 4#1, 1#6 GND IN 1-1/2" EMT, APPROXIMATELY 60 FT. FIELD VERIFY THE ROUTE.

EASY TAKEOFFS

SAMPLE PLAN SET

**FOR TAKEOFF PRACTICE ONLY.
NOT FOR CONSTRUCTION.**

PROJECT

SAMPLE OFFICE, SUITE 200

TENANT IMPROVEMENT

PROJECT NO. ET-2026-01

REVISIONS

DATE	10/30/2026
SCALE	1/4" = 1'-0"
DRAWN BY	ET
SHEET SIZE	ARCH D, 24" x 36"

SHEET TITLE

POWER PLAN

SHEET

E2.1

(c) 2026 Easy Takeoffs. Free to use for practice.

Takeoff Summary

Generated Oct 30, 2026

Group Totals

Group	Totals
Receptacles / Duplex	32 ea
Receptacles / GFCI	7 ea
Receptacles / Quad	2 ea
Receptacles / Floor box	5 ea
Switches / S single pole	4 ea
Switches / S3 three-way	2 ea
Switches / SD dimmer	1 ea
Switches / SOS occupancy switch	6 ea
Lighting / Type A troffer	19 ea
Lighting / Type AE emergency troffer	2 ea
Lighting / Type B downlight	18 ea
Lighting / Type C pendant	2 ea
Lighting / Type D strip	3 ea
Lighting / Type X exit sign	3 ea
Lighting / Occupancy sensor	3 ea
Panels & Equipment	1 ea
Conduit Runs / 3/4" EMT branch circuits	1217'-4"
Conduit Runs / 3/4" PVC below slab	63'
Data outlets	9 ea

Materials

Receptacles / Duplex

Residential Device Package

Material	Quantity	Waste	Unit
Device	33	2%	EA
Electrical Box	33	2%	EA
Cover Plate	33	2%	EA
Ground Pigtail	34	5%	EA
Device Screws	71	10%	EA
Mud Ring	32	0%	EA

Receptacles / GFCI

Residential Device Package

Material	Quantity	Waste	Unit
Device	8	2%	EA
Electrical Box	8	2%	EA
Cover Plate	8	2%	EA
Ground Pigtail	8	5%	EA
Device Screws	16	10%	EA
Mud Ring	7	0%	EA

Switches

Residential Device Package

Material	Quantity	Waste	Unit
Device	**14**	2%	EA
Electrical Box	**14**	2%	EA
Cover Plate	**14**	2%	EA
Ground Pigtail	**14**	5%	EA
Device Screws	**29**	10%	EA
Mud Ring	**13**	0%	EA

Conduit Runs / 3/4" EMT branch circuits

Branch Circuit Conduit and Wire

Material	Quantity	Waste	Unit
Conduit	**1340**	10%	LF
Couplings	**129**	5%	EA
Connectors	**257**	5%	EA
90-Degree Elbows	**65**	5%	EA
Conduit Supports	**129**	5%	EA
Pull String	**1279**	5%	LF
Conduit Drops	**476**	10%	LF
Wire (#12 THHN)	**5443**	10%	LF