



NOTE:
MINIMAL LIGHTING SHOWN FOR "SHOWING" SPACE ONLY.
OVERALL LIGHTING, EMERGENCY LIGHTING (AVERAGE OF 1F.C.), LIGHTING CONTROLS, POWER AND HVAC TO BE UNDER FUTURE SEPARATE TI SUBMITTAL.

ELECTRICAL LIGHTING PLAN

SCALE: 1/8" = 1'-0"

NOTE: REFER TO SHEET ES1.0 FOR ADDITIONAL EXTERIOR EGRESS FIXTURES.



KEYED NOTES

- 1 SERVICE ENTRANCE SECTION. REFER TO SHEET E4.0 FOR ADDITIONAL INFORMATION.
- 2 PANEL "HP".
- 3 PANEL "101".
- 4 PANEL "102".
- 5 PANEL "103".
- 6 PANEL "103A".
- 7 PROVIDE EMERGENCY BATTERY BACK UP LIGHT FIXTURE NEAR ELECTRICAL EQUIPMENT WORKING SPACE PER NEC 110.26(D) & 700.16.
- 8 WALL/CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR SHALL BE PROGRAMMED AS VACANCY SENSOR, MANUAL ON/AUTO OFF.
- 9 WALL MOUNTED OCCUPANCY SENSOR SHALL BE PROGRAMMED FOR AUTO ON/AUTO OFF MODE.

LUMINAIRE SCHEDULE

1. PROVIDE 90 MINUTE EMERGENCY BATTERY BALLAST FOR ALL EMERGENCY FIXTURES. SEE SCHEDULE BELOW FOR SPECIFICATIONS AND LUMEN REQUIREMENTS.
2. MODULAR WIRING SYSTEM FOR LIGHT FIXTURES IS AN ACCEPTABLE ALTERNATE.
3. BASE BID FOR LUMINAIRES SHALL BE BASED ON MANUFACTURERS LISTED IN CONTRACT DOCUMENTS. UPON AWARD OF PROJECT, ALTERNATES PROPOSED BY CONTRACTOR SHALL BE SUBMITTED WITH WRITTEN OWNER APPROVAL & AN ITEMIZED DEDUCT TO BASE BID.
4. ALTERNATE FIXTURE SELECTIONS MAY REQUIRE ADDITIONAL TIME FOR SUBMITTAL REVIEW & POSSIBLE ENGINEERING DESIGN CHANGES, TO BE BILLED TO THE CONTRACTOR.
5. PROVIDE MINIMUM 10 MINUTE TIME DELAY ON EMERGENCY FIXTURES WHEN HID AREA LIGHTING IS USED.

MARK	MANUFACTURER MODEL NUMBER	VOLTS	LAMPS CR/ CCT INPUT WATTS	REMARKS/MOUNTING
L1	COLUMBIA MPS4-35LW-CW-EDU-EM	120V	LED'S 45W	4' PENDANT STRIP. PROVIDE WITH 1400LUMEN BATTERY BACK UP WHERE NOTED "EM". VERIFY EXACT MOUNTING HEIGHT WITH ARCHITECT.
L2	COLUMBIA LCAT24-35LW-EDU-U-ELL14	120V	LED'S 45W	2x4 RECESSED LED TROFFER. PROVIDE WITH 1400LUMEN BATTERY BACK UP WHERE NOTED "EM".
L3	PRESCOLITE LFR-BRD-M-15L35K MD-MD1-LFR-BRD-T	120V	LED'S 22W	6" RECESSED LED DOWN LIGHT.
L4	COLUMBIA MPS4-35LW-CW-EDU-EM	120V	LED'S 45W	4' STRIP. PROVIDE WITH 1400LUMEN BATTERY BACK UP. VERIFY EXACT MOUNTING HEIGHT WITH ARCHITECT.
⊕	DUAL LITE LES SERIES	120V	INCLUDED 3	EMERGENCY EXIT SIGN WITH 90MINUTE BATTERY BACK UP.
⊕	DUAL LITE PG SERIES	120V	INCLUDED (2LAMPS)	EXTERIOR EMERGENCY SIGN WITH 90MINUTE BATTERY BACK UP.

IECC WATT PER SQUARE FOOT COMPLIANCE

RETAIL	=	4860 s.f. x 1.06 W =	5152 W
WAREHOUSE	=	3700 s.f. x 0.48 W =	1776 W
TOTAL AVAILABLE WATTS = 6928 W			
FIXT.	QTY	INPUT WATTS	SUB-TOTAL
L1	44 x	45	= 1980 W
L2	8 x	45	= 360 W
L3	1 x	22	= 22 W
L4	2 x	45	= 90 W
TOTAL WATTS USED =		2407 W	
WATTS AVAILABLE =		6928 W	
CODE COMPLIANCE BY =		4521 W	

TABLE PROVIDED AS COMPLIANCE MATERIAL TO MEET IECC POWER ALLOWANCE. METHOD IS ACCEPTABLE PER IECC C101.5.1



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09.18.24 CITY COMMENTS:
ELECTRICAL LIGHTING PLAN

NOTICE OF ALTERNATE BILLING OR PAYMENT CYCLE: THIS CONTRACT MAY ALLOW THE OWNER TO REQUIRE THE COMPLETION OF BILLING OR PAYMENT IN BILLING CYCLES OTHER THAN THIRTY DAYS. THIS CONTRACT MAY ALLOW THE OWNER TO MAKE PAYMENT CERTIFICATION AND APPROVAL OF BILLING AND ESTIMATES. A WRITTEN RECEIPT OF SUCH BILLING CYCLE APPLICABLE TO THE PROJECT IS AVAILABLE FROM OWNER OR DESIGNATED AGENT.

NAME: _____
ADDRESS: _____
CITY: _____
STATE: _____
ZIP: _____
CONTACT: _____

NEW COMMERCIAL PAD
PAD 5B AT PASEO LINDO SHOPPING CENTER
NEC OF ARIZONA AVE AND OCCOTILLO RD.
CHANDLER, AZ

CONSTRUCTION SET_11-12-24

DESIGNER: MA
DRAWN: MA
CHECKED: AG

E2.0
project #: 23057

DESIGN CODES
IECC, 2021 NEC, 2020

ELECTRICAL CONTRACTOR SHALL NOTIFY DESIGNER/ENGINEER PRIOR TO ANY DEVIATION FROM THIS SET OF ELECTRICAL DESIGN PLANS. ANY CHANGES TO THE DESIGN, IF APPROVED BY ENGINEER, WILL REQUIRE REVISIONS TO PLANS AND POSSIBLE ADDITIONAL SERVICE FEE.

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IF DRAWING IS NOT PLOTTED AT 24"x36" THEY ARE NOT FULL SIZE