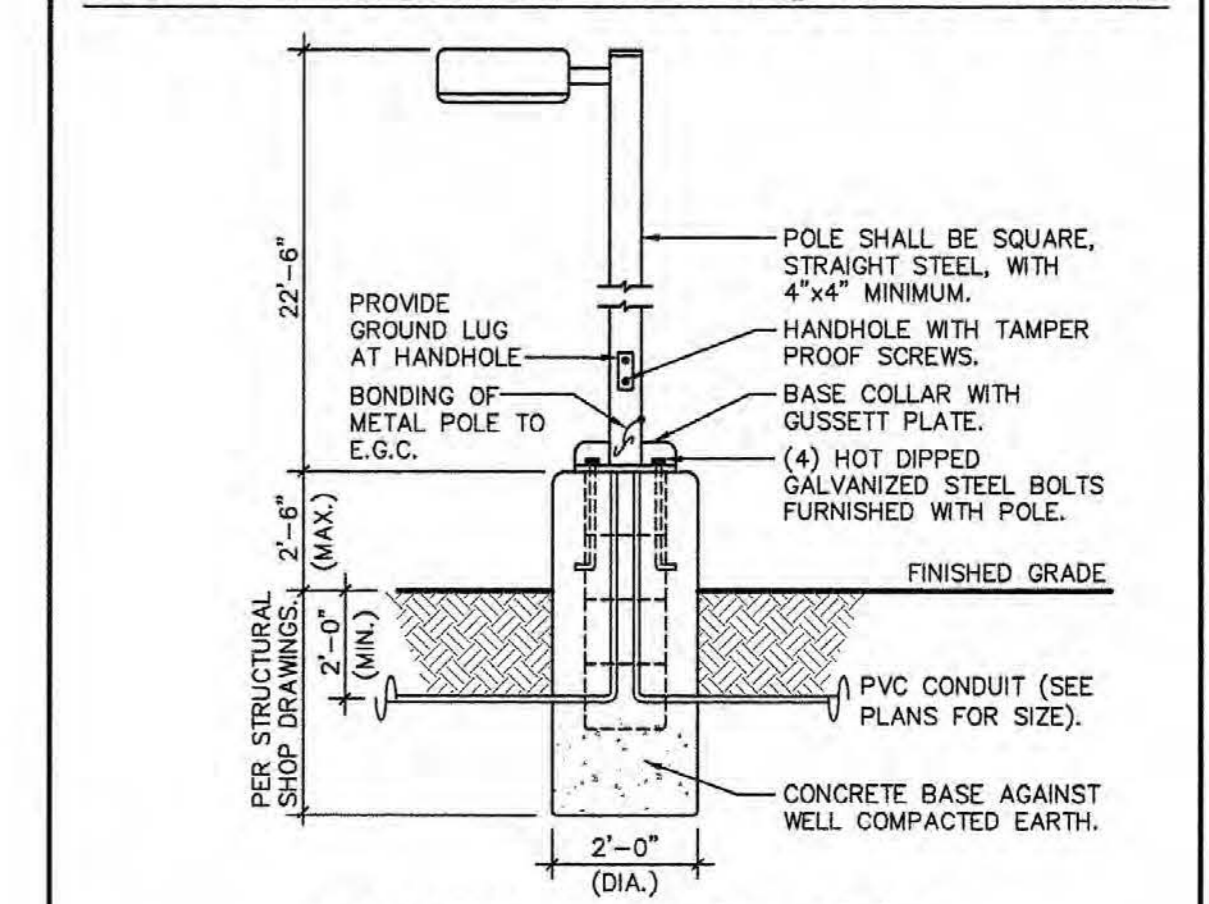


ELECTRICAL PRE CURFEW PHOTOMETRIC PLAN  
SCALE: 1" = 20'-0"

**POLE MOUNTED FIXTURE DETAIL**



**FIXTURE TYPE 'S1'**  
THE POLE CONCRETE BASE DETAIL IS SHOWN FOR ELECTRICAL ROUGH-IN AND SHALL NOT BE USED FOR THE ACTUAL BASE CONSTRUCTION. POLE BASE SHALL BE DESIGNED BY A REGISTERED STRUCTURAL PROFESSIONAL ENGINEER AND CONSTRUCTED PER STRUCTURAL ENGINEER'S SEALED CONSTRUCTION DOCUMENT.  
NOTE: ELECTRICAL CONTRACTOR SHALL BOND METAL POLE PER NEC 410.30(B)(5) AS SHOWN IN DETAIL.

**LUMINAIRE SCHEDULE**

- PROVIDE 90-MINUTE EMERGENCY BATTERY BACK-UP FOR ALL EMERGENCY FIXTURES. SEE SCHEDULE BELOW FOR SPECIFICATIONS AND LUMEN REQUIREMENTS.
- MODULAR WIRING SYSTEM FOR LIGHT FIXTURES IS AN ACCEPTABLE ALTERNATE.
- 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.
- ALTERNATE FIXTURE SELECTIONS MAY REQUIRE ADDITIONAL TIME FOR SUBMITTAL REVIEW & POSSIBLE ENGINEERING DESIGN CHANGES, TO BE BILLED TO THE CONTRACTOR.
- PROVIDE MINIMUM 10 MINUTE TIME DELAY ON EMERGENCY FIXTURES WHEN HID AREA LIGHTING IS USED.

MARK	MANUFACTURER MODEL NUMBER	VOLTS	LAMPS CRI/CCT INPUT WATTS	REMARKS/MOUNTING
S1	BEACON LIGHTING VP-ST-2-72L-145-4K7-4W-BC	MVOLT	LED's 145W	SITE POLE AT 25'A.F.G.
S2	HUBBELL OUTDOOR RWL2-160L-50-4K7-3-U	MVOLT	LED's 54W	WALLPACK AT 18'A.F.G.
S3	PRESCOLITE LFR-6RDS-M-15L35K8WD-DM1 LFR-6RDS-T-S	MVOLT	LED's 13W	6" CANOPY DOWN LIGHTING MOUNTED AT 11'-6"A.F.G. PROVIDE WITH EMERGENCY BATTERY BACK UP WHERE NOTED "EM".

**EXTERIOR IECC WATT PER SQUARE FOOT COMPLIANCE**

DESIGNATION	QUANTITY	WATTS	SUB-TOTAL W
S1	3	x 145	= 435 W
S2	3	x 54	= 162 W
S3	12	x 13	= 156 W
TOTAL WATTS USED =			753 W

WATTS ALLOWED - TRADEABLE AREA  
PARKING AREAS & DRIVES 48540 x 0.03W/s.f. = 1456 W  
TOTAL INDIVIDUAL AREA WATTS ALLOWED = 1456 W

COMPLIANCE  
TOTAL AREA ALLOWANCES = 1456 W  
TOTAL WATTS USED = 753 W  
TOTAL COMPLIANCE BY = 703 W

TABLE PROVIDED AS COMPLIANCE MATERIAL TO MEET IECC 2018 SECTION C405.4.2 FOR LIGHTING POWER ALLOWANCE WITHIN ZONE 1 (C405.4.2(D)). METHOD IS ACCEPTABLE PER IECC C101.5.1.

Qty	Label	Symbol	[MANUFAC]	Description	MH	Lumens	LLF	Watts	Total Watts	BUG Rating
3	S1	☐	BEACON	VP-ST-2-72L-145-4K7-4W-BC	25'	13833	0.900	145	435	B1-U0-G3
3	S2	☐	HUBBELL OUTDOOR	RWL2-160L-50-4K7-3-U	18'	7839	0.900	54	162	B1-U0-G2
12	S3	⊕	PRESCOLITE	LFR-6RDS-M-15L35K8WD-DM1 LFR-6RDS-T-S	11.5'	1488	0.900	12.273	147.276	B2-U0-G0

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Site Planar	Illuminance	Fc	1.20	20.2	0.0	N.A.	N.A.

DESIGN CODES  
IECC, 2018  
NEC, 2017

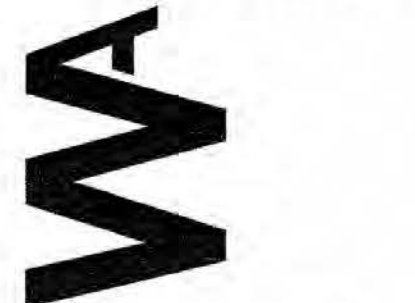
ELECTRICAL CONTRACTOR SHALL NOTIFY DESIGNER/ENGINEER PRIOR TO ANY DEVIATION FROM THIS SET OF ELECTRICAL DESIGN PLANS. ANY CHANGES TO THE DESIGN, IF APPROVED BY ENGINEER, WILL REQUIRE REVISIONS TO PLANS AND POSSIBLE ADDITIONAL SERVICE FEE.

Project Control/Designer: MINDY ADLER  
Project #24148  
**HAWKINS DESIGN GROUP INC.**  
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IF DRAWING IS NOT PLOTTED AT 24 X 36 THEY ARE NOT FULL SIZE



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A NEW BUILDING FOR: KIWAMI ON BELL  
5327 W. BELL ROAD  
GLENDALE, ARIZONA 85306  
LOGOS BUILDERS SOUTHWEST

job no. 24114  
drawn MA  
approved AG  
date 7/13/24

revisions

**ES2.0**