

POLE MOUNTED FIXTURE DETAIL

POLE SHALL BE SQUARE, STRAIGHT STEEL, WITH 4"x4" MINIMUM.

HANDHOLE WITH TAMPER PROOF SCREWS.

BASE COLLAR WITH GUSSETT PLATE.

(4) HOT DIPPED GALVANIZED STEEL BOLTS FURNISHED WITH POLE.

FINISHED GRADE

PVC CONDUIT (SEE PLANS FOR SIZE).

CONCRETE BASE AGAINST WELL COMPACTED EARTH.

2'-0" (DIA.)

2'-0" (MAX.)

12'-6" (MATCH EXISTING)

PER STRUCTURAL SHOP DRAWINGS.

2'-6"

2'-0" (MIN.)

FIXTURE TYPE "SA"

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 ENGINEERS SEALED CONSTRUCTION DOCUMENT.

NOTE: ELECTRICAL CONTRACTOR SHALL BOND METAL POLE PER NEC 410.30(B)(5) AS SHOWN IN DETAIL.

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HANDHOLE WITH TAMPER PROOF SCREWS.

BASE COLLAR WITH GUSSETT PLATE.

(4) HOT DIPPED GALVANIZED STEEL BOLTS FURNISHED WITH POLE.

FINISHED GRADE

PVC CONDUIT (SEE PLANS FOR SIZE).

CONCRETE BASE AGAINST WELL COMPACTED EARTH.

2'-0" (DIA.)

2'-0" (MAX.)

9'-6"

PER STRUCTURAL SHOP DRAWINGS.

2'-6"

2'-0" (MIN.)

FIXTURE TYPE "SK"

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BOLLARD MOUNTING DETAIL

BOLLARD LUMINAIRE

ANCHOR BOLTS FURNISHED WITH FIXTURE.

FINISH GRADE

PROVIDE (2) #2 TIES AT 12" O.C. MAXIMUM

90° GRC ELBOW RISER.

PVC CONDUIT WITH BOND WIRE.

PVC TO RIGID FEMALE ADAPTER.

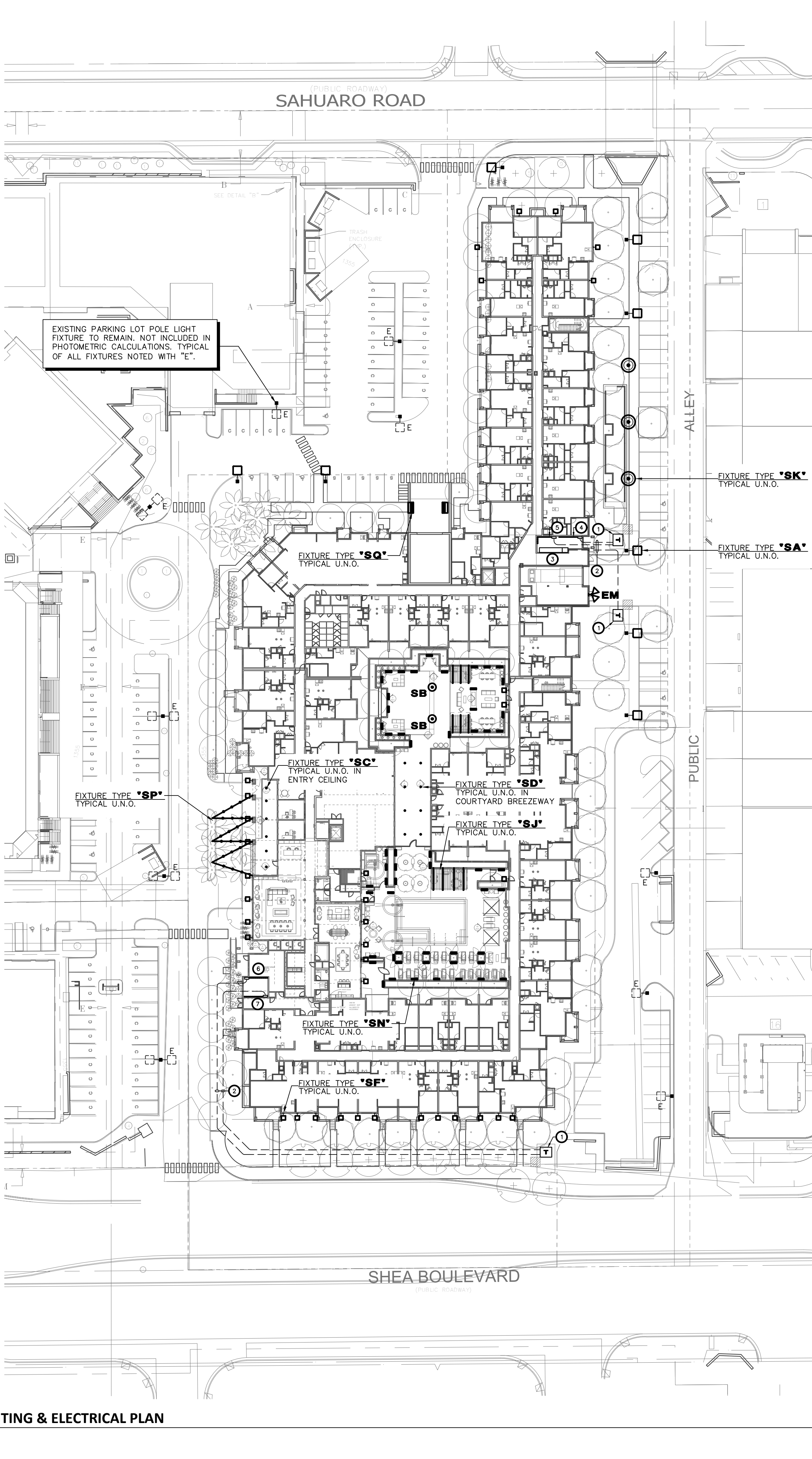
3000 PSI CONCRETE BASE

1'-0"

2'-0"

3'-6"

NOTE: ELECTRICAL CONTRACTOR SHALL BOND METAL POLE PER NEC 410.30(B)(5) AS SHOWN IN DETAIL.



LUMINAIRE SCHEDULE				
1. PROVIDE 90 MINUTE EMERGENCY BATTERY BACK-UP 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 INTIMIZED 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
EM	LITHONIA WDGE1-LED-P1-30K- 80CRI-VW-E4WH	MVOLT	LED 3000K 10.0 WATTS	NORMALLY ON WALL PACK EMERGENCY LIGHT WITH 0-10V DIMMING BLACK FINISH
GAE	LITHONIA VCPG-LED-P1-30K-T5M -MVOLT-UPL1-E10WH	MVOLT	LED 3000K 33.0 WATTS	GARAGE LIGHT FIXTURE WITH 0-10V DIMMING, PROVIDED WITH EMERGENCY BATTERY BACKUP
GB	LITHONIA VCPG-LED-P2-30K-T5E-MVOLT	MVOLT	LED 3000K 34.0 WATTS	GARAGE LIGHT FIXTURE FOR EYE ADAPTATION WITH 0-10V DIMMING
SA	LITHONIA DSXO-LED-P2-30K-80CRI -T2M-MVOLT-SPA-DOBXO	MVOLT	LED 3000K 45.0 WATTS	SINGLE HEAD POLE LIGHT FIXTURE WITH 0-10V DIMMING, MATCH EXISTING AREA POLE HEIGHT, DARK BRONZE FINISH
SB	SELUX IBL-4-4QS-30- BK-UNV-DM	MVOLT	LED 3000K 15.0 WATTS	BOLLARD LIGHT FIXTURE WITH 0-10V DIMMING BLACK FINISH
SC	JUNO JSF-7IN-10LM-30K- 90CRI-MVOLT-ZT-WH	MVOLT	LED 3000K 12.8 WATTS	SLIM PROFILE SURFACE MOUNTED DOWNLIGHT AT ENTRY CEILING
SD	LITHONIA LDN6CYL-30/20- LO6AR-LSS-MVOLT	MVOLT	LED 3000K 22.5 WATTS	SURFACE MOUNT CAN LIGHT AT HIGH CEILING BREEZEWAY
SF	WAC LIGHTING WS-W13924	MVOLT	LED 3000K 21.6 WATTS	DECORATIVE WALL SCONCE LIGHT FIXTURE, BLACK FINISH
SJ	LUMINII KBL-SF-V-PL-33M0- 30K-F-XX-XX-XX	MVOLT	LED 3000K 28.6 WATTS	POOL AREA RATED EXTERIOR TAPE LIGHT AT COURTYARD TRELLIS FEATURE
SK	ABOVEALL EPT-30SP-SWI-TAR-V	MVOLT	LED 3000K 30.8 WATTS	POST TOP PEDESTRIAN AREA LIGHT FIXTURE WITH 0-10V DIMMING, BRONZE FINISH
SN	WAC LIGHTING 4901-30BK	MVOLT	LED 3000K 7.7 WATTS	WALL STEP LIGHT WITH EMERGENCY LIGHTING INVERTER BACKUP, BLACK FINISH
SP	SELUX MELD-FB0-2C525- 30-BL-UNV	MVOLT	LED 3000K 19.5 WATTS	SPOT DOWNLIGHT CANTENARY MOUNT LIGHT FIXTURE WITH 0-10V DIMMING, BLACK FINISH
SQ	LITHONIA WDGE2-LED-P2-30K- 70CRI-T2M-MVOLT-DOBXO	MVOLT	LED 3000K 45.0 WATTS	WALL PACK LIGHT FIXTURE AT GARAGE RAMP, BLACK FINISH
SR	WAC LIGHTING 5032-30BZ	MVOLT	LED 3000K 45.0 WATTS	IN GRADE LANDSCAPE LOW VOLTAGE UPLIGHT AT POOL AREA CABANAS

NOTE FOR EXTERIOR FIXTURES:
PRE-CURFEW DESIGN HOURS SHALL BE DEFINED FROM NOT LATER THAN MIDNIGHT AND POST-CURFEW DESIGN HOURS SHALL BE DEFINED AS NOT EARLIER THAN 6 A.M. ALL EXTERIOR LIGHTS SHALL BE DIMMED BY NO LESS THAN 30% DURING POST-CURFEW TO COMPLY WITH IECC 2018 C405.2.6. EXTERIOR LIGHTING CONTROLS.

- KEYED NOTES
- 1

POWER COMPANY PAD MOUNTED TRANSFORMER PER POWER COMPANY REQUIREMENTS.
- 2

SECONDARY CONDUITS PER POWER COMPANY REQUIREMENTS.
- 3

SERVICE ENTRANCE SECTION "SES-H". (SERVING HOUSE LOADS).
3000A, 208Y/120V, 3ø, 4W, NEMA 1
- 4

METERBANK SERVICE ENTRANCE SECTION "MB-1" (SERVING UNITS).
1200A, 208Y/120V, 3ø, 4W, NEMA 1
- 5

METERBANK SERVICE ENTRANCE SECTION "MB-2" (SERVING UNITS).
1200A, 208Y/120V, 3ø, 4W, NEMA 1
- 6

METERBANK SERVICE ENTRANCE SECTION "MB-3" (SERVING UNITS).
1200A, 208Y/120V, 3ø, 4W, NEMA 1
- 7

METERBANK SERVICE ENTRANCE SECTION "MB-4" (SERVING UNITS).
1200A, 208Y/120V, 3ø, 4W, NEMA 1

PRELIMINARY
NOT FOR CONSTRUCTION

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IF DRAWING IS NOT PLOTTED AT 24 X 36 THEY ARE NOT FULL SIZE

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.

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I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly licensed architect under the laws of the State of Arizona

Signature _____

Typed or Printed Name _____

License # _____ Date _____



03/27/2025
DRB SUBMITTAL

ORIGINAL ISSUE:

REVISIONS

No.	Description	Date
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222517
PROJECT NUMBER

DRAWN BY _____ CHECKED BY _____

KEY PLAN

COSANTI COMMONS

SITE LIGHTING & ELECTRICAL PLAN

DR1.1

