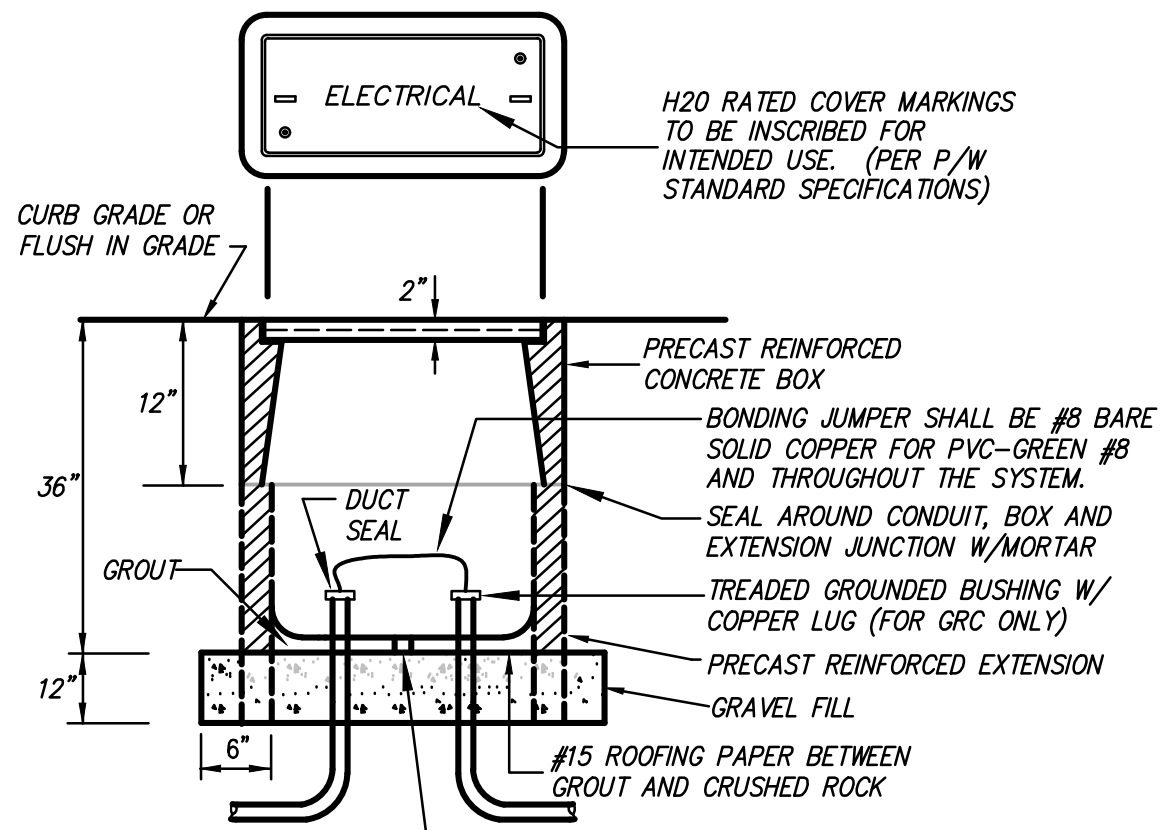
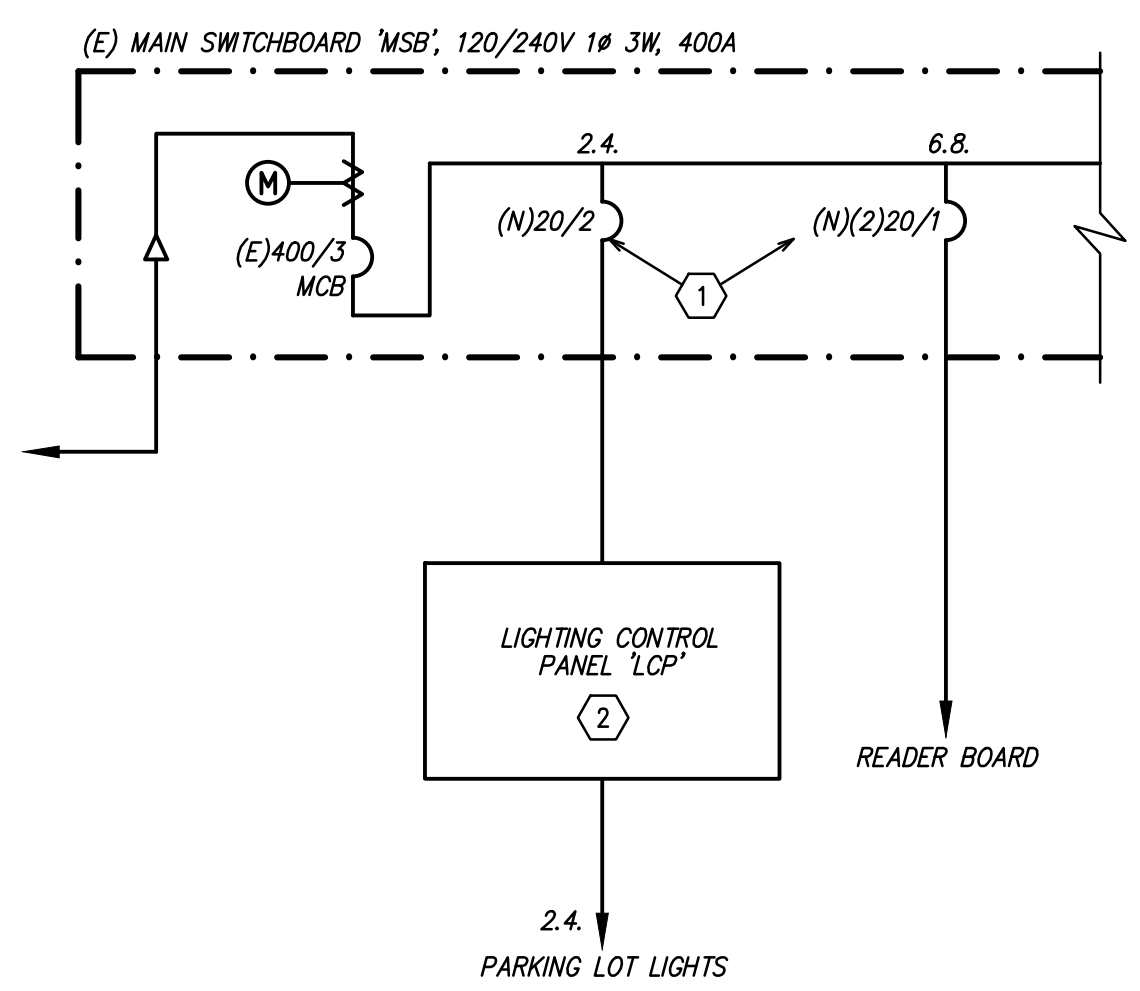


TYPICAL LIGHT POLE BASE DETAIL  
NOT TO SCALE



TYPICAL PULL BOX DETAIL  
NOT TO SCALE



SINGLE LINE DIAGRAM  
NOT TO SCALE

**ELECTRICAL KEYNOTES:**

- 1 EXISTING MAIN SWITCHBOARD 'MSB', 120/240V 1Ø 3W, 400A. PROVIDE (2) 20A/1P & (1) 20A/2P CIRCUIT BREAKERS, 22 KAIC.
- 2 PROVIDE LIGHTING CONTROL PANEL IN WEATHERPROOF CAN. GREENGATE #LKB-TPRC-(2)TPR208
- 3 PROVIDE DOUBLE HEAD PARKING LOT FIXTURE, POLE, & CONCRETE BASE.
- 4 REPLACE EXISTING DOUBLE HEAD PARKING LOT FIXTURE WITH NEW POLE FIXTURE & CONCRETE BASE.
- 5 PROVIDE 1-1/2"Ø-4#10, 2#10 NEUT., 2#10 GND.
- 6 EXISTING CONDUIT. PROVIDE NEW 2#10, 2#10 NEUT., 1#10 GND.
- 7 EXISTING CONDUIT. PROVIDE NEW 2#10, 1#10 GND.
- 8 PROVIDE 12"x22"x24"D H-20 RATED CONCRETE PULL BOX TO INTERCEPT EXISTING CONDUIT.
- 9 CONNECT READER BOARD POWER, (2) 120V 1Ø

**GENERAL ELECTRICAL NOTES:**

1. ALL WORK AND MATERIAL SHALL CONFORM TO 2022 CODES AND ORDINANCES. INTENTION OF THESE PLANS AND SPECIFICATIONS TO COVER ALL THINGS REQUIRED TO PROVIDE COMPLETE AND OPERATIVE SYSTEMS. THE CONTRACTOR IS TO FURNISH LABOR, MATERIAL, TRANSPORTATION, EQUIPMENT, MISCELLANEOUS SERVICES, ETC., REQUIRED TO ACCOMPLISH THIS RESULT. ANYTHING WHICH MAY BE REASONABLY CONSIDERED AS A NECESSARY PART OF THE INSTALLATION IS TO BE INCLUDED, WHETHER SPECIFICALLY SHOWN OR MENTIONED. NOTHING IN THESE PLANS OR SPECIFICATIONS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.
2. ALL EQUIPMENT TO HAVE TESTING LABORATORY LABEL ATTACHED (U.L., C.S.A., ETC.)
3. UNDERGROUND ELECTRICAL RUNS SHALL HAVE MINIMUM 24" COVER. SAND BACK FILL ABOVE CONCRETE ENCASEMENT IF NATIVE SOIL IS NOT ACCEPTABLE FOR BACKFILL. COMPACTION TEST REQUIRED AS PER GENERAL CONDITION SPECIFICATIONS OF EARTH WORK SECTION OR MINIMUM OF 92% COMPACTION REQUIRED IN PAVED AREAS, 87% IN LANDSCAPE AREAS, PROVIDE CONCRETE ENCASEMENT AND WARNING TAPE.
4. ALL EXPOSED WIRING SHALL BE IN GALVANIZED RIGID STEEL CONDUIT. PVC SCH 40 MAY BE USED FOR UNDERGROUND, WITH GALVANIZED RIGID STEEL ELBOWS & RISERS, ALL UNDERGROUND CONDUIT TO BE CONCRETE ENCASED IN 3" ENVELOPE, 1500 PSI
5. CONDUCTORS SHALL BE COPPER, TYPE THHN/THWN FOR SIZE NO. 6 AWG. AND SMALLER, TYPE THWN FOR SIZE LARGER THAN NO. 6 AWG.
6. VERIFY EXACT EQUIPMENT & POLE LOCATIONS PRIOR TO ROUGH-IN. THE CONTRACTOR SHALL ARRANGE A MEETING WITH OWNER TO VERIFY EXACT REQUIREMENT OF INSTALLATION.
7. ELECTRICAL ROUTING IS DIAGRAMMATIC ONLY. ACTUAL ROUTING & PHYSICAL CONDITION MAY VARY, CONTRACTOR IS RESPONSIBLE FOR DETERMINING ACTUAL ROUTING AND PROVIDE ALL RECONNECTIONS & ITEMS NECESSARY FOR COMPLETE & OPERATING SYSTEMS. REPAIR OR REPLACE ALL EXISTING ITEMS DAMAGED DURING CONSTRUCTION. VERIFY ALL EXISTING UNDERGROUND UTILITIES PRIOR TO EXCAVATION.
8. ALL NEW 600 VOLT POWER WIRING SHALL BE MEGGER TESTED PRIOR TO ENERGIZATION.
9. ALL SAW CUT & PATCH OF EXISTING CONCRETE PADS SHALL EXTEND TO EXISTING COLD JOINTS.
10. PROVIDE ALL REQUIRED ELECTRICAL DEMOLITION TO REMOVE OLD PARKING LOT LIGHTS, POLES, & CONCRETE BASES, WHETHER SHOWN OR NOTED.

**SYMBOL SCHEDULE:**

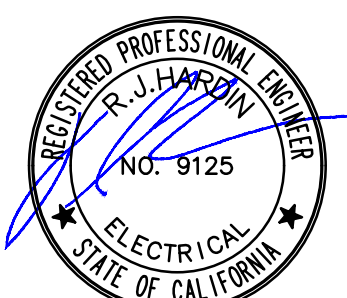
- POLE MOUNTED PARKING LOT LIGHT FIXTURE
- WALL MOUNTED LIGHT FIXTURE
- JUNCTION BOX
- PULL BOX OR CONTROL PANEL AS NOTED
- ▨ PANEL BOARD
- - - EXISTING CONDUIT RUN TO REMAIN
- CONDUIT RUN ABOVE GRADE
- - - CONDUIT RUN BELOW GRADE
- ← A-2 HOME RUN OF CONDUIT AND WIRING, CIRCUIT NO. 2 TO PANEL 'A'
- (E) EXISTING
- (N) NEW
- (TYP.) TYPICAL

**LIGHTING FIXTURE SCHEDULE**

TYPE	MANUFACTURER	CATALOG NO.	LAMPS	WATTAGE	VOLTAGE	MOUNTING
(PA)	LUMARK	(2) PRV PA1 D 750 U T4W SA XX MS/DIM L40 SSS 30 7 DM28 XX	LED	93	UNV	CONCRETE BASE

MODOC STREET

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REF. & REV.

**MADERA UNIFIED SCHOOL DISTRICT**  
PARKING LOT RECONSTRUCTION  
MADERA UNIFIED SCHOOL DISTRICT OFFICE  
**ELECTRICAL PLAN - BASE BID**

DR. BY: HDE	E1.0
CH. BY: RJH	
DATE: 02-20-2025	

SCALE AS NOTED