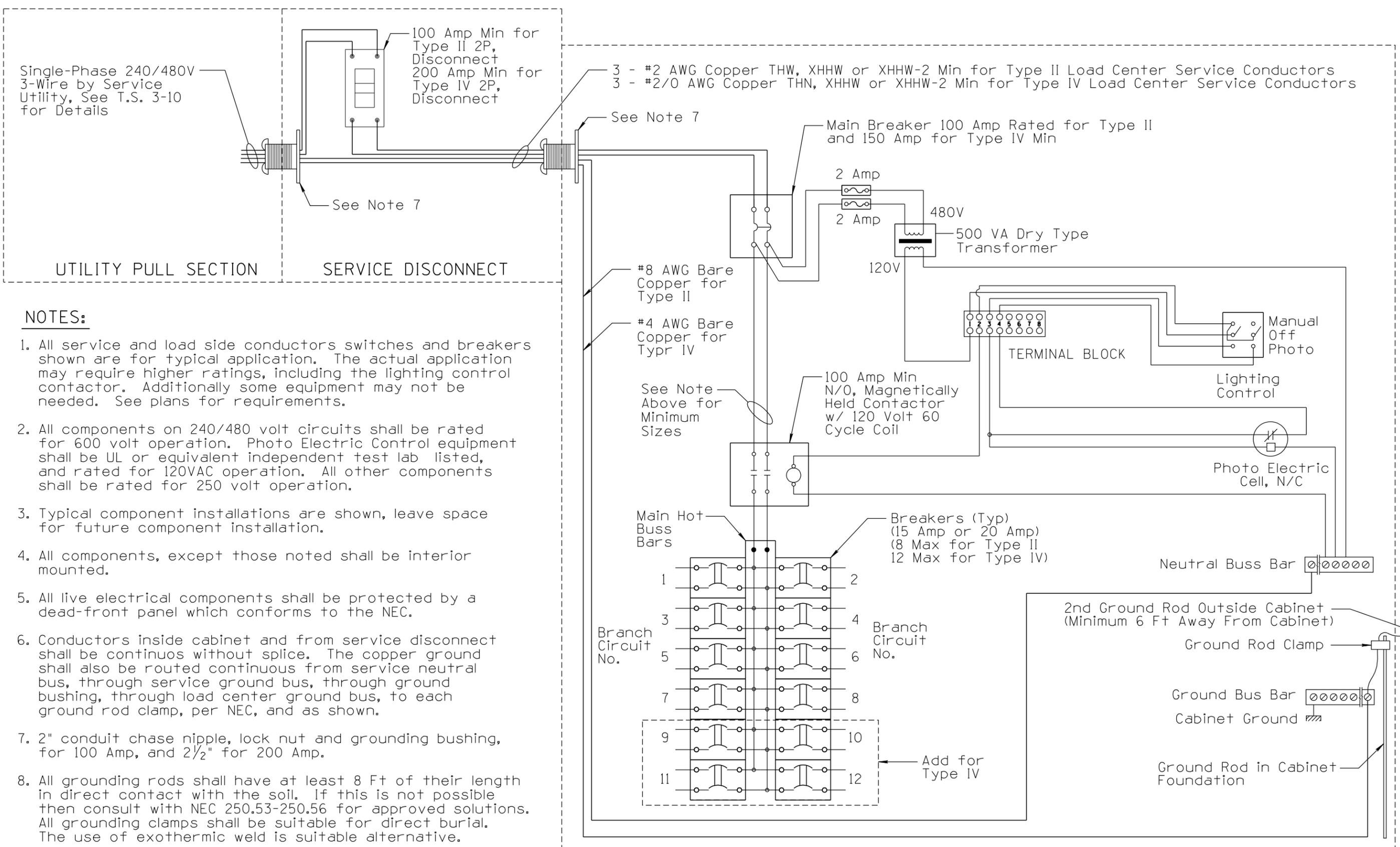


DATE: \_\_\_\_\_  
 MADE BY: \_\_\_\_\_  
 DESCRIPTION OF REVISIONS:  
 NO. 3 4  
 DATE: 03/10  
 MADE BY: C. COLE  
 DESCRIPTION OF REVISIONS:  
 NO. 1 2  
 2010 EDITION



**NOTES:**

1. All service and load side conductors switches and breakers shown are for typical application. The actual application may require higher ratings, including the lighting control contactor. Additionally some equipment may not be needed. See plans for requirements.
2. All components on 240/480 volt circuits shall be rated for 600 volt operation. Photo Electric Control equipment shall be UL or equivalent independent test lab listed, and rated for 120VAC operation. All other components shall be rated for 250 volt operation.
3. Typical component installations are shown, leave space for future component installation.
4. All components, except those noted shall be interior mounted.
5. All live electrical components shall be protected by a dead-front panel which conforms to the NEC.
6. Conductors inside cabinet and from service disconnect shall be continuous without splice. The copper ground shall also be routed continuous from service neutral bus, through service ground bus, through ground bushing, through load center ground bus, to each ground rod clamp, per NEC, and as shown.
7. 2" conduit chase nipple, lock nut and grounding bushing, for 100 Amp, and 2 1/2" for 200 Amp.
8. All grounding rods shall have at least 8 Ft of their length in direct contact with the soil. If this is not possible then consult with NEC 250.53-250.56 for approved solutions. All grounding clamps shall be suitable for direct burial. The use of exothermic weld is suitable alternative.
9. All circuits shall be permanently labeled per the circuit assignment shown on the project plans.
10. If service is different then shown see NEC Tables 250.66 and 310.15(B)(6) for conductor requirements.

NOT TO SCALE

DESIGN APPROVED	ARIZONA DEPARTMENT OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION TRAFFIC SIGNALS AND LIGHTING STANDARD DRAWINGS	REVISION	03/10
<b>SIGNATURE</b>		DRAWING NO.	T.S. 3-3
APPROVED FOR DISTRIBUTION	TYPE II OR IV LOAD CENTER CABINET WIRING DETAILS 240/480 3W W/DISCONNECT	SHEET NO.	1 OF 1
<b>ON FILE</b>			