

**NOTES**

① SURGE PROTECTION DEVICE (SPD) SHALL BE SUITABLE FOR CONNECTION TO 240/480V, 1 PHASE SERVICE. THE SPD SHALL HAVE SURGE CURRENT RATING OF 130,000A PER PHASE (65,000A PER MODE) AND SHALL PROVIDE L-L, L-N, L-G, & N-G PROTECTION. THE SPD SHALL BE IN NEMA 4X, S.S. ENCLOSURE, SHALL HAVE GREEN AND RED STATUS LEDES AND SHALL BE U.L. 1449 AND 1283 LISTED. THE SPD SHALL BE LIEBERT CAT. \*ACV277Y111RKE OR APPROVED EQUAL BY CURRENT TECHNOLOGY OR UNITED POWER.

② LIGHTING SERVICE CABINET:

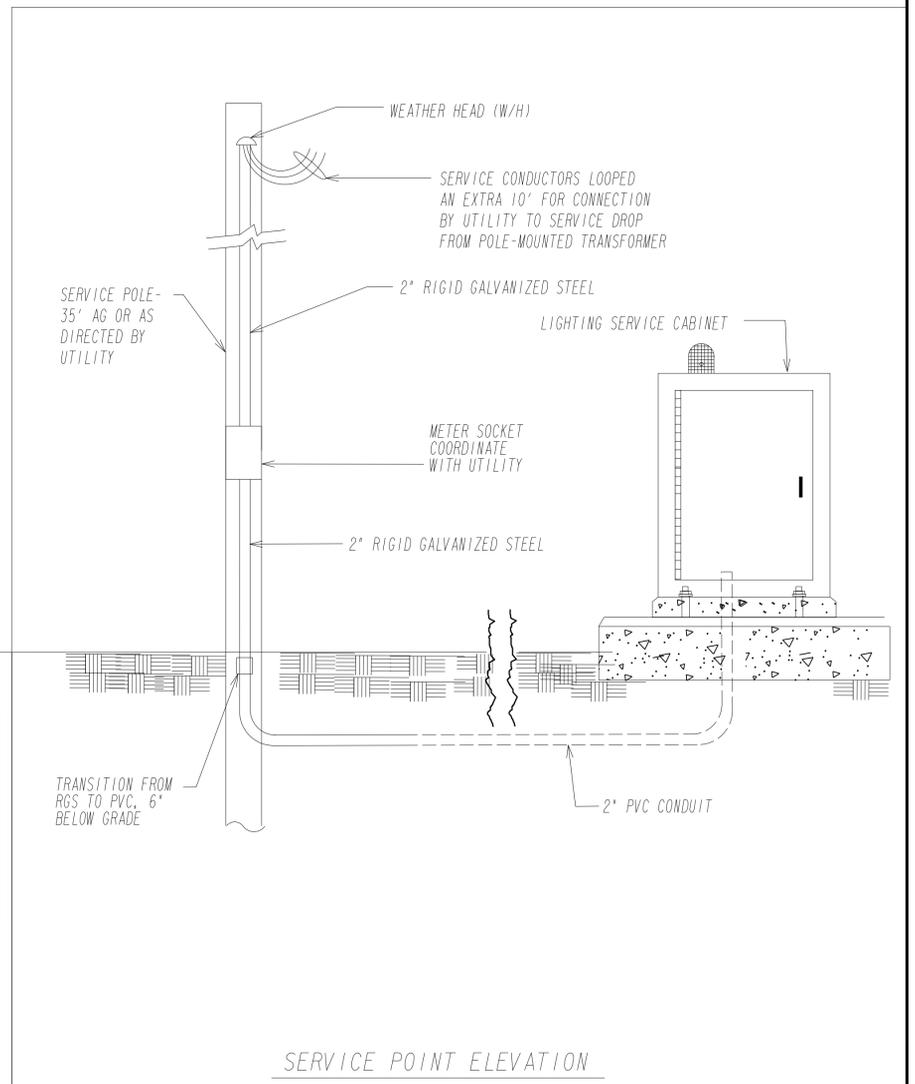
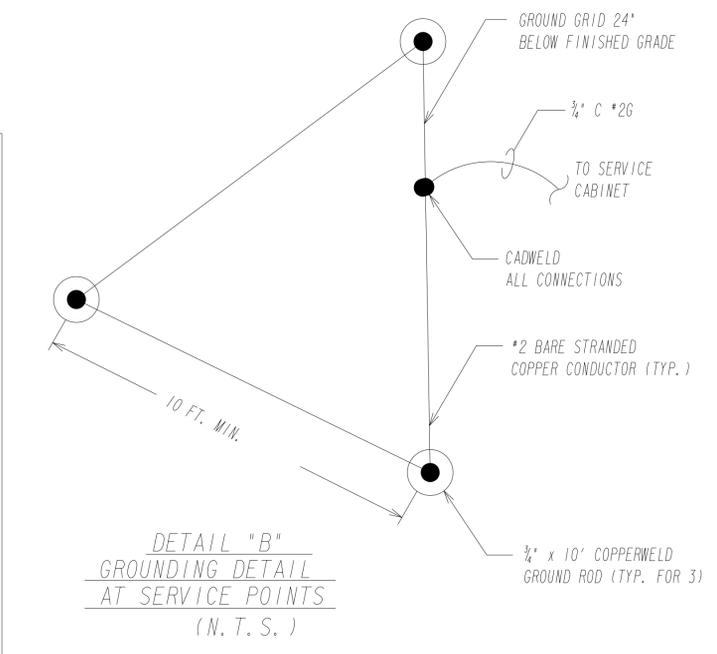
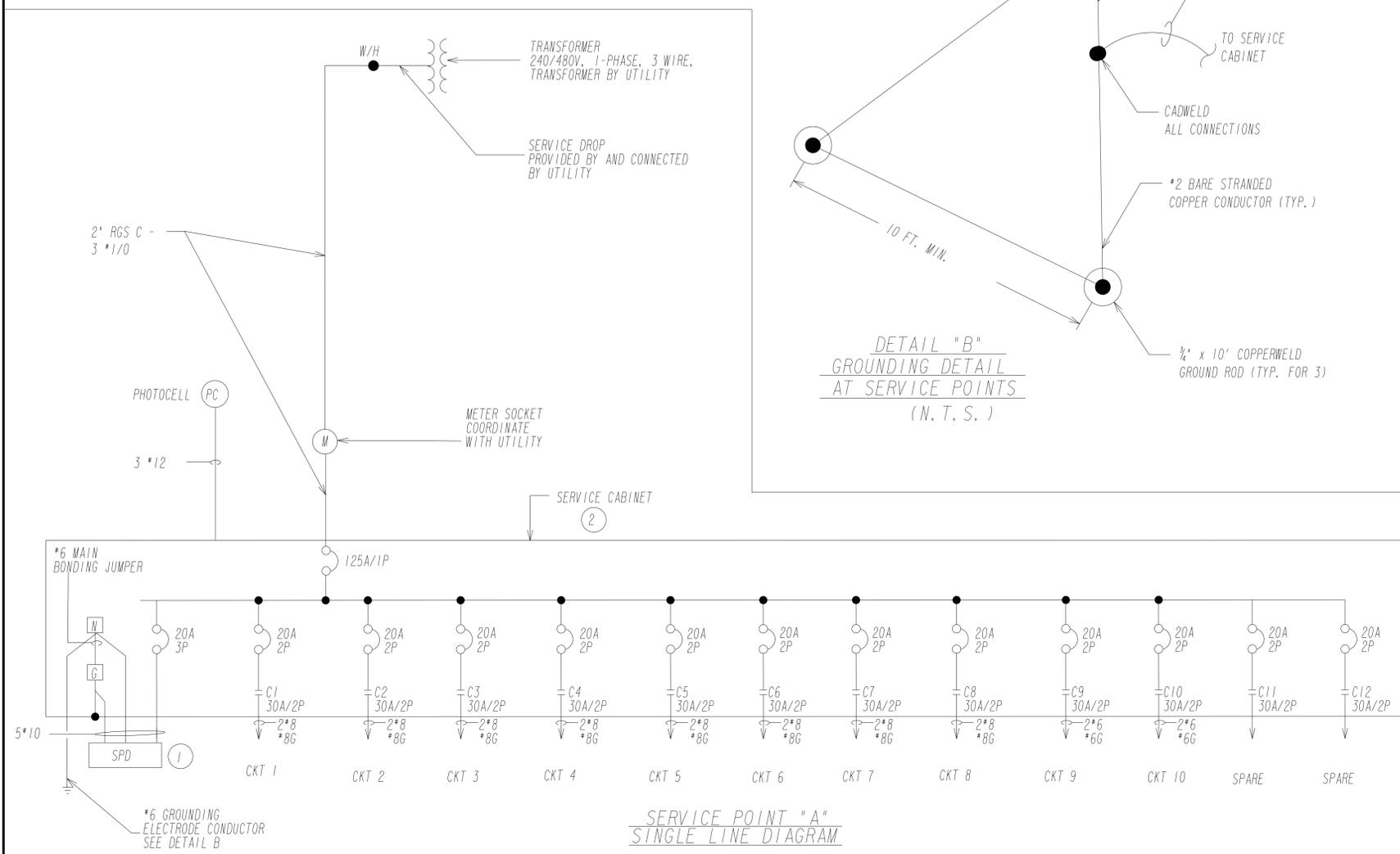
a. PROVIDE SUBPANEL INSIDE FOR MOUNTING THE CIRCUIT BREAKERS RELAYS, ETC. AN INNER HINGED SWING DOOR SHALL BE PROVIDED BEHIND THE FRONT DOOR FOR MOUNTING THE SELECTOR SWITCHES. THE FRONT DOOR SHALL BE PADLOCABLE. THE SERVICE CABINET SHALL BE FABRICATED IN UL 508 APPROVED SHOP AND BEAR THE UL LABEL.

b. CIRCUIT BREAKES SHALL BE THERMAL-MAGNETIC WITH MINIMUM SHORT CIRCUIT RATING OF 18,000A RMS SYMMETRICAL.

c. SELECTOR SWITCHES SHALL BE HEAVY DUTY OIL-TIGHT TYPE PROVIDE ONE H-O-A SWITCH PER LIGHTING CIRCUIT. ENGRAVED LAMINATED PLASTIC NAMEPLATES SHALL BE PROVIDED FOR ALL SWITCHES.

d. CONTROL RELAYS SHALL BE PLUG-IN TYPE WITH 10A CONTACTS. POWER AND CONTROL TERMINAL BLOCKS SHALL BE PROVIDED FOR FIELD WIRING.

e. PHOTOCCELL SHALL BE RIPLEY 6390 B WITH GASKET AND 5241-2-20 RECEPTACLE OR APPROVED EQUAL.



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**GEORGIA**  
DEPARTMENT  
OF  
TRANSPORTATION

| REVISION | DATE | DESCRIPTION |
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STATE OF GEORGIA  
DEPARTMENT OF TRANSPORTATION  
OFFICE: ROADWAY DESIGN

**SERVICE CABINET DETAILS**

CW GRANT PKWY

DRAWING No. 25-028