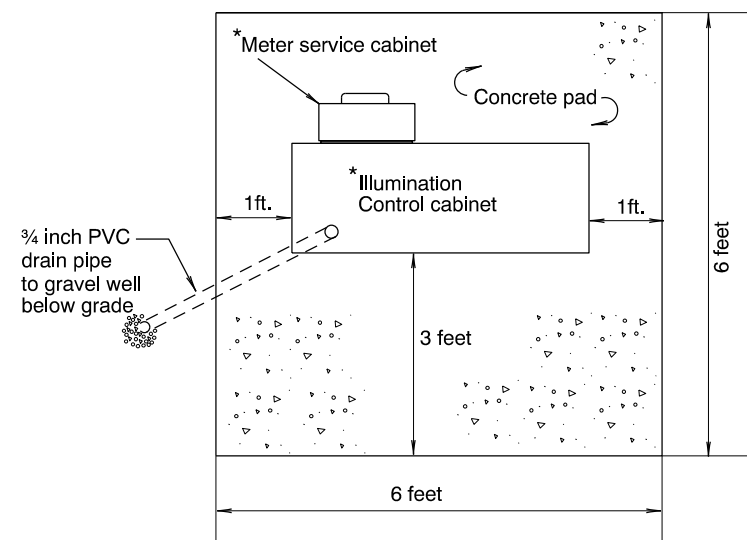
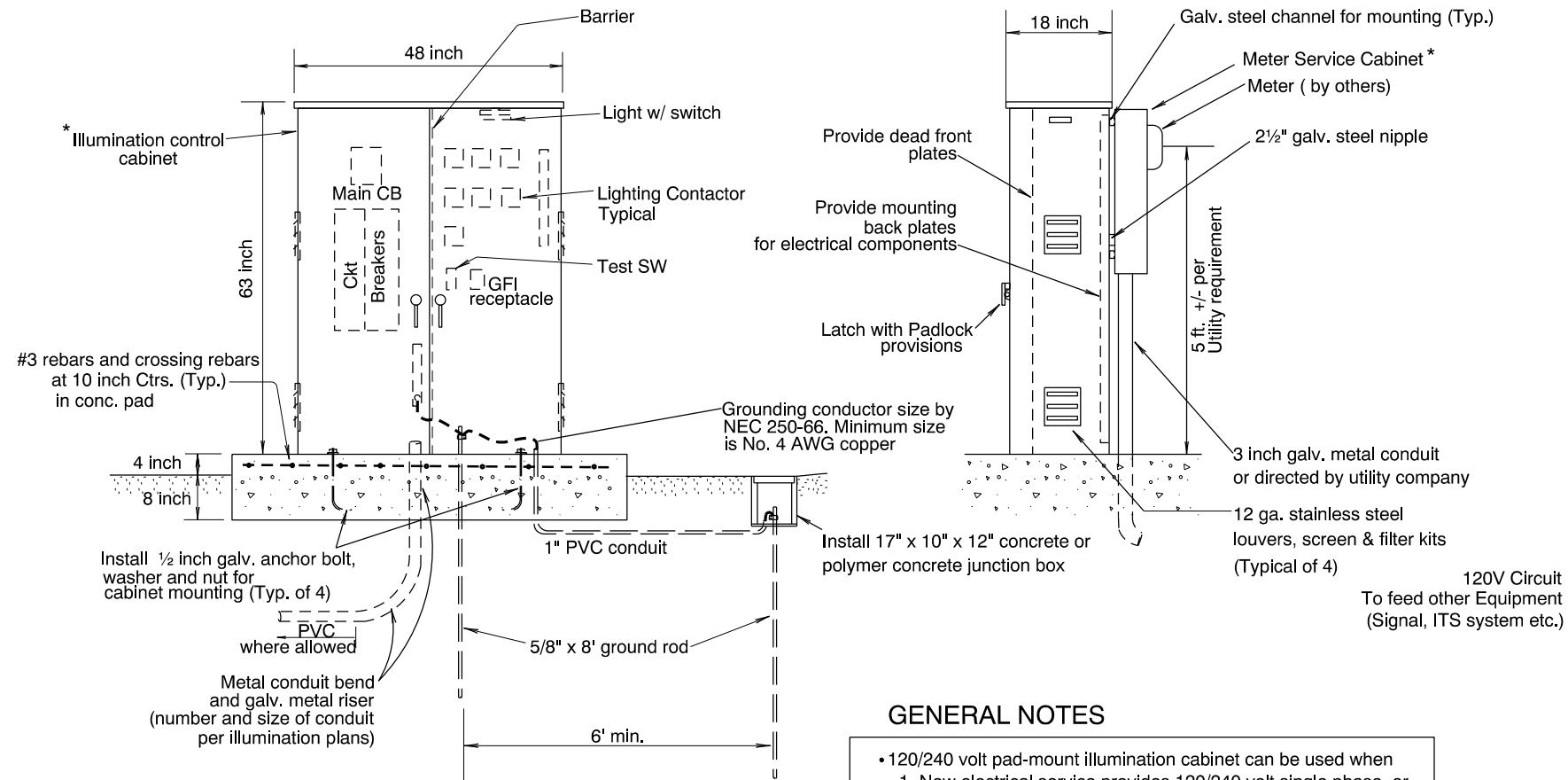


120/240 V PAD-MOUNT ILLUMINATION CONTROL CABINET



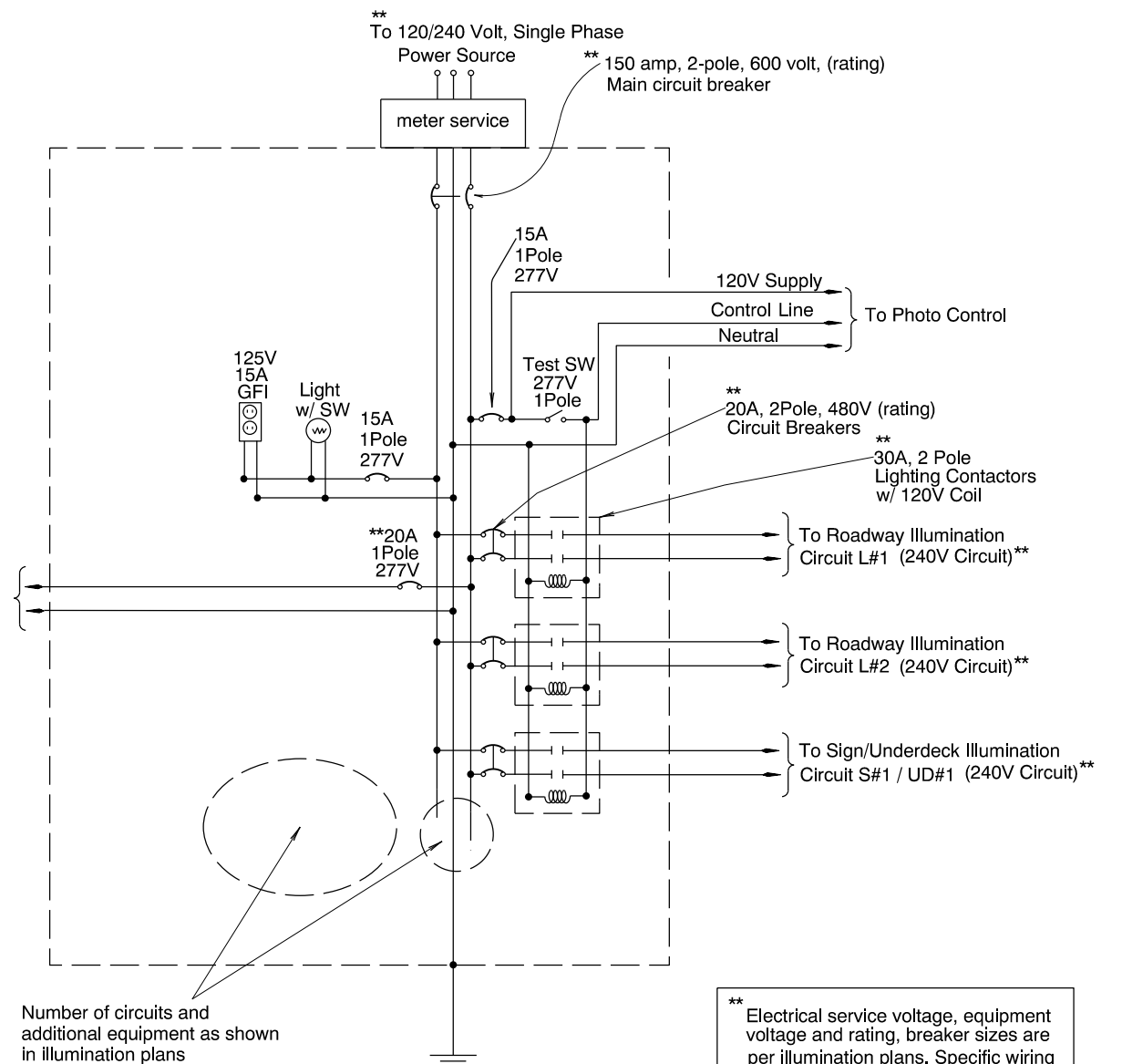
PAD MOUNT ILLUMINATION CABINET

* Meter base, cabinet & all electrical components shall meet or exceed voltage requirements & short circuit rating of the specified illumination system.

GENERAL NOTES

- 120/240 volt pad-mount illumination cabinet can be used when
 1. New electrical service provides 120/240 volt single phase, or
 2. Illumination system is for small/medium size highway section and interchange, so 480 volt circuits are not necessary, or
 3. Main CB is larger than 100 amp, or
 4. The number of branch circuits is six or more, or
 5. More room inside the cabinet is desirable for additional equipment and wiring.
- Pad-mount illumination control cabinet shall be NEMA 3R, with hinged double door, 3 point lockable vault handles and stainless steel hardware.
- Control cabinet formed with 10 gage pregalvanized metal, or 12 gage stainless steel. It shall be powder coated to match Federal Standard 595C color # 26440 (Light Gull Gray). (Painting is not required on stainless steel cabinets.)
- Deadfronts may be fabricated from code thickness galvanized sheet metal or type 304 or 316 stainless steel. Provide stainless steel, turn-and-fold style, dead front latches. (min. 2 per panel)
- All electrical components shall be per ODOT Standards and as shown in illumination plans.
- Install copper buss bars for main and branch circuits.
- All internal wiring, except field wires, shall be done by a U.L. listed facility.
- Cabinet size is nominal. Engineer to verify before ordering.
- For electrical service, coordinate with Utility co. and satisfy all utility requirements.
- Meter service cabinet formed with stainless steel 304, NEMA 3R, UL 67 listed, 600 V, 200 amp with natural finish and test/bypass provision (124 TBSS or approved equal)
- C/T cabinet may be required for bigger electrical service.
- Install cabinet in safe location from vehicle traffic, or provide protection such as barrier, guardrail or (2) 4 ft. metal pole barrier

CB = Circuit Breaker
Ckt = Circuit
GFI = Ground Fault Interrupt
SW = Switch
C/T = Current Transformer



WIRING DIAGRAM

120/240 V SERVICE & CONTROL CABINETS

The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without first consulting a Registered Professional Engineer.

All materials shall be in accordance with the current Oregon Standard Specifications.

OREGON STANDARD DRAWINGS
120/240 V
PAD-MOUNT ILLUMINATION
CONTROL CABINET

2024

DATE		REVISION DESCRIPTION	
01-2024		REMOVED PE CONTROL WITH NOTE	
CALC. BOOK NO. - - - - N/A - - - -		SDR DATE - 19-JAN-2024 -	TM303