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® METAL WIRING DIAGRAM HOLDER

® ARC FLASH AND SHOCK HAZARD LABEL (FIELD INSTALLED) - SEE PHOTOELECTRIC CONTROL - SEE PHOTOCELL ENCLOSURE - SEE PHOTOCELL MOUNTING DETAIL

- ENCLOSURE SHALL BE FABRICATED FROM EITHER:

A. 5/8" (TYP.)

® CABINET BUSSWORK RATING LABEL

CUSTOMER SECTION - SHALL REQUIRE TOOLS TO OPEN AND MOUNTING FLANGES - HOT-DIP GALVANIZED AFTER FABRICATION - OR

EXPANDED STEEL MESH WITH WELDED SEAMS

1/4 TURN FASTENER

8ff1 4'r;,

® STANDARD PLAN J-10.21-02

STATE DESIGN ENGINEER

WASHINGTON STATE DEPARTMENT OF TRANSPORTATION

STATE DESIGN ENGINEER

WASHINGTON STATE DEPARTMENT OF TRANSPORTATION

NOTE

2. Cabinet shall be rated NEMA 3R and shall include two rain-light vents.
3. Dimensions shown are minimum and shall be adjusted to accommodate the various sizes of equipment installed. A 1% tolerance is allowed for all dimensions.
4. Doors shall be pad-lockable and gasketed. Customer side door shall include a Best CX 6-pin Construction core lock. Each door shall use either a continuous piano hinge, three two-piece hinges, or two heavy-duty lift-off type hinges.
5. Hinges with pins shall have stainless steel or brass pins - see Standard Plan J-10.20 door hinge details. When using two piece hinge type on galvanized enclosure, remove hinge pin prior to welding hinge to cabinet and prior to hot-dip galvanizing. After galvanizing, replace pin with brass pin and solder in place.
6. Equipment identified by Key Numbers 14, 16, 17, 18, 19, 20, 21, 22, 23, and 28 shall have an appropriately engraved phenolic name plate attached with screws or rivets. The name plate for Key Number 21 (Test Switch only) shall read as follows: *PHOTOCELL BYPASS TEST ON" and "PHOTOCELL TEST OFF - AUTOMATIC." See service cabinet detail.
7. All busswork shall be ASTM B187 copper and shall have a minimum rating of 250 amps. All breakers shall bolt on to the busswork. Jumpering of breakers shall not be allowed. Busswork shall accommodate all future equipment as shown in the Breaker Schedule.
8. All nuts, bolts, and washers used for mounting the photocell enclosure shall be stainless steel.
9. The photocell unit shall be centered in the photocell enclosure to permit 360 degree rotation of the photocell without removal of the photocell unit or the photocell enclosure.
10. All internal wire runs shall be identified with "TO - FROM" coded tags labeled with the code letters and/or numbers shown on the Schedules. Approved PVC or polyolefin wire marking sleeves shall be used.
11. Key items 23, 24, and 25 shall be connected to the cabinet main bonding jumper assembly by appropriately sized wire.
13. Buss bars shall be sized to accommodate up to #4 AWG wires.
14. The meter base portion of this service was designed to meet metering portion of EUSERC Drawing 309 requirements.
15. Metering arrangements vary with different serving Utilities. The Utility may require meter base mounting in the enclosure, on the side, or on the back of the enclosure. The Utility may require the dimension between the door and the front of the safety socket box to be less than the 11" (in) shown in the Left Side - Safety Socket Box Mounting Detail. The Contractor shall verify the serving Utility’s requirements prior to fabrication and installation of the service equipment.
16. Verify the meter setback position with the utility and adjust the meter socket backplate to the required position. For cabinets with separate metering, remove the meter socket or install shunts in the meter socket.