NOTES
1. Metering arrangements may vary with different serving utilities. The Contractor shall verify the requirements of the utility prior to installing the service equipment.
2. All service pole conduits shall be secured to the pole with two-hole conduit straps spaced at 2 ft maximum centers. See Standard Plans J-60.13 and J-60.14 for steel channel support and mounting details. Where required by the Utility, an alternative-use hot-dip galvanized standoff bracket may be used. See ALTERNATE STANDOFF BRACKET DETAIL.
3. No equipment shall be installed on the half of the pole facing the roadway with the exception of the meter socket. Meter may only be installed facing the roadway if required by the utility.
4. Where required by the serving utility, a service disconnect switch or breaker shall be installed above the meter socket in a separate rain-tight enclosure.
5. See Standard Plan J-60.05 for grounding details.
6. Photoelectric Control Enclosure shall be fabricated from either:
   a. 5/8" (IN) expanded steel mesh with welded seams and mounting flanges, hot-dip galvanized after fabrication. -OR-
   b. Type 5052 - H32 aluminum, with 5/8" (IN) x 5/8" (IN) openings equivalent to 5/8" (IN) expanded steel mesh. Enclosure shall be removable from the outside of the junction box.
7. The photoelectric control unit shall be centered in the photoelectric control enclosure to permit 360 degree rotation of the photoelectric control unit without removal of the photoelectric control unit or the photoelectric control enclosure.
8. All nuts, bolts, screws, and washers used for mounting the photoelectric control enclosure, conduit body covers, and junction box cover shall be stainless steel. Conduit clamps shall be hot-dip galvanized steel or stainless steel.
9. Slotted steel channel and mounting hardware components shall be stainless steel. Conduit clamps shall be hot-dip galvanized steel or stainless steel.
10. Install conduit couplings on all conduits.
11. Conduit shall enter the cabinet behind the dead front, but clear of the lighting contactor(s).
12. Pole burial depth shall meet the requirements of Standard Specification Section 8-20.3(13)A.
PHOTOELECTRIC CONTROL DETAILS

6 x 8.2 LB/FT CHANNEL HOT-DIP GALVANIZED PER AASHTO M 111 – 6" (IN) MIN. LENGTH

SECTION 3

MOUNTING BRACKET DETAILS

50' (FT) CLASS 5 TREATED TIMBER POLE

PHOTOELECTRIC CONTROL ENCLOSURE – 6" (IN) x 6" (IN) x 4" (IN) (SEE NOTE 6)

PHOTOELECTRIC CONTROL UNIT – ORIENT TO NORTH SKY

JUNCTION BOX – 6" (IN) x 6" (IN) x 4" (IN)

LIQUIDTIGHT THREATHLESS COUPLINGS (TYP.)

LIQUIDTIGHT FLEXIBLE METAL CONDUIT

1/2" (IN) DIAM. x 8" (IN) LONG HOT-DIP GALVANIZED LAG BOLT WITH WASHER (TYP.)

TYPICAL MOUNTING BRACKET

SEE NOTE 2

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50' (FT) CLASS 5 TREATED TIMBER POLE

6 x 8.2 LB/FT CHANNEL HOT-DIP GALVANIZED PER AASHTO M 111 – 6" (IN) MIN. LENGTH – SEE JUNCTION BOX MOUNTING DETAIL BELOW

PHOTOELECTRIC CONTROL ENCLOSURE – 6" (IN) x 6" (IN) x 4" (IN) (SEE NOTE 6)

PHOTOELECTRIC CONTROL UNIT – ORIENT TO NORTH SKY

JUNCTION BOX – 6" (IN) x 6" (IN) x 4" (IN)

LIQUIDTIGHT THREATHLESS COUPLINGS (TYP.)

LIQUIDTIGHT FLEXIBLE METAL CONDUIT

1/2" (IN) DIAM. x 8" (IN) LONG HOT-DIP GALVANIZED LAG BOLT WITH WASHER (TYP.)

TYPICAL MOUNTING BRACKET

SEE NOTE 2

STANDARD PLAN J-10.14-00

WASHINGTON STATE DEPARTMENT OF TRANSPORTATION

WASHINGTON STATE DEPARTMENT OF TRANSPORTATION

50' (FT) CLASS 5 TREATED TIMBER POLE

6 x 8.2 LB/FT CHANNEL HOT-DIP GALVANIZED PER AASHTO M 111 – 6" (IN) MIN. LENGTH

JUNCTION BOX – 6" (IN) x 6" (IN) x 4" (IN)

3/8" (IN) DIAM. x 6" (IN) LONG HOT-DIP GALVANIZED LAG SCREW WITH WASHER (TYP.)

TYPE C CONDUIT BODY WITH COVER AND GASKET

1" (IN) DIAM. – THREE #12 AWG