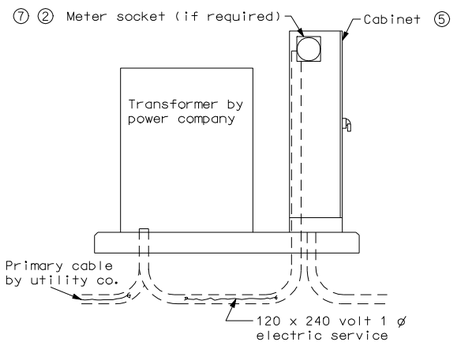
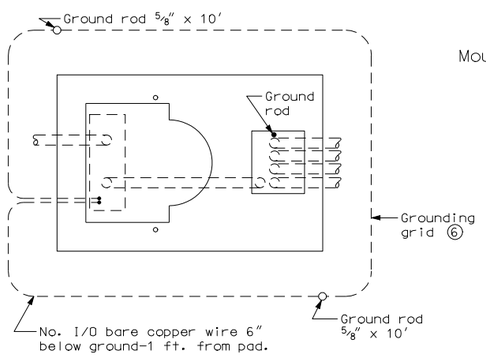
D-770-2



Elevation



Plan

Transformer and Circuit Breaker Cabinet Pad Mounted

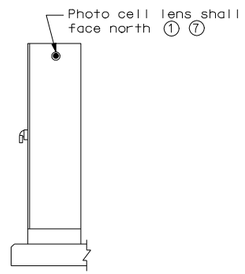
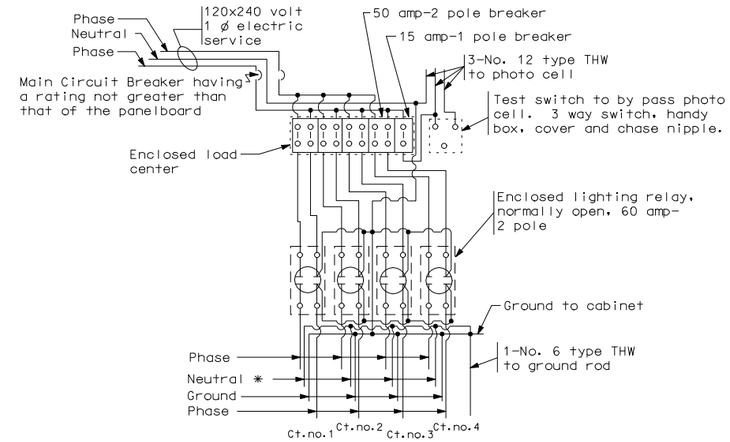


Photo Cell Mounting Detail

FEED POINTS (ROADWAY LIGHTING)

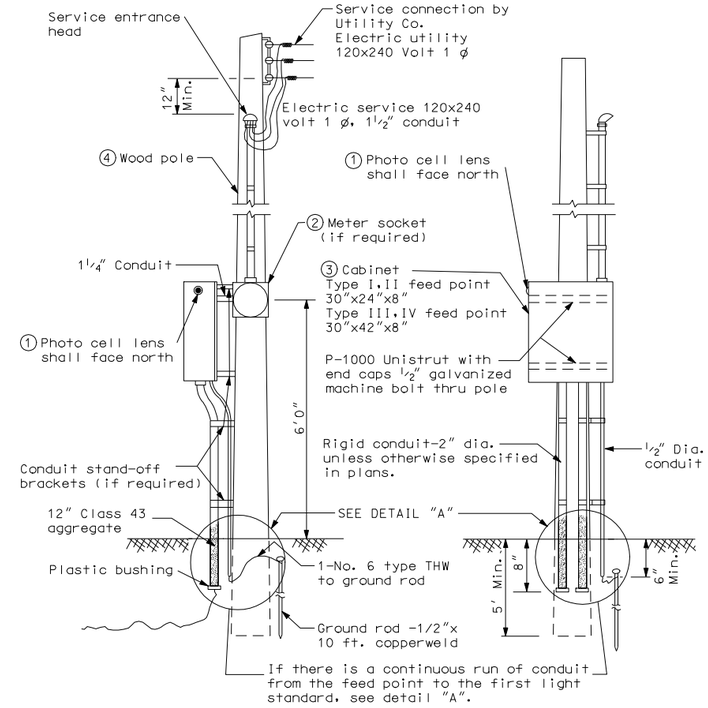


* Install when festoon circuit is required.

Feed Point

TYPE IV

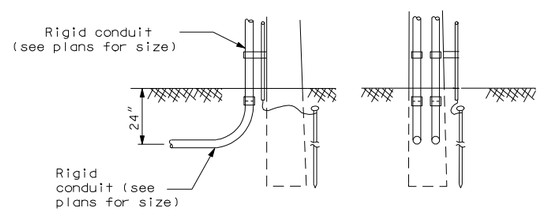
Type 1 feed point is similar to type IV except only one electrical circuit, one 50 amp-2 pole breaker and one lighting relay, normally open, shall be installed. Type II feed point is similar to type IV except only two electrical circuit, two 50 amp-2 pole breaker and two lighting relays, normally open, shall be installed. Type III feed point is similar to type IV except only three electrical circuits, three 50 amp-2 pole breakers and three lighting relays, normally open, shall be installed.



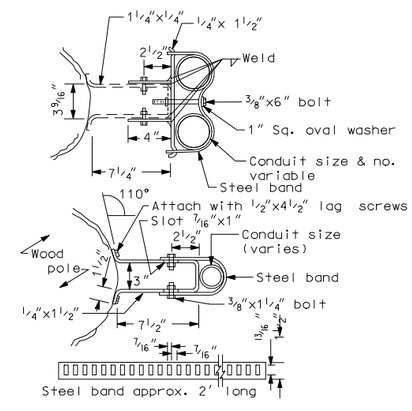
Pole Mounted

NOTES:

① PHOTO CELL: The electrical contractor shall furnish and install the photelectric cell.
② METER SOCKET: The contractor shall install the meter socket and trim if the meter is required by local utility company. Meter to be furnished and installed by utility company.
③ CABINET: Cabinet shall be N.E.M.A. 12 rating with lock drip shield and 1/2" plywood backing, stainless steel hardware.
Paint plywood with 2 coats of oil base gray.
Cabinet shall be shop coated with one coat of primer & have two coats of exterior gray enamel.
④ WOOD POLE: Minimum 20 ft. Class VII full length penta pressure treated wood pole. (if required, see layout sheets)
⑤ CABINET: Cabinet shall be 56" high x 26" wide x 14" deep. Minimum 12 ga. steel with provisions for padlock. Cabinet shall be weatherproof. Cabinet shall have one shop coat of primer and two field coats of exterior dark green enamel.
⑥ GROUNDING GRID: The grounding grid shall have a ground resistance not to exceed 25 ohms. This shall be obtained by one or more 5/8"x10' copperweld ground rods in parallel or series at two corners. Minimum distance between ground unit assemblies shall be 6'0".
⑦ METER LOCATION: The meter (if required) shall not be mounted on the same side of the cabinet as the photo-cell is mounted.

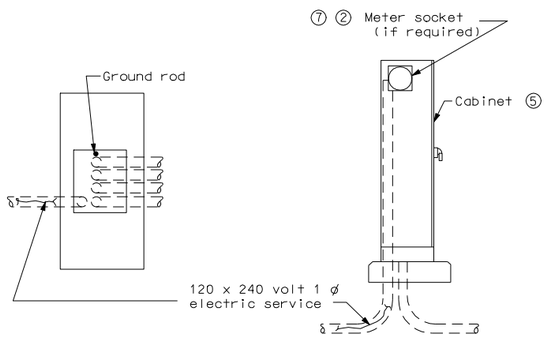


Detail "A"



Conduit Standoff Bracket

The conduit standoff brackets may be omitted if not required by the local utility company.



Plan

Elevation

Circuit Breaker Cabinet Pad Mounted

NORTH DAKOTA DEPARTMENT OF TRANSPORTATION	
10-1-86	
REVISIONS	
DATE	CHANGE
01-28-91	Cabinet note
03-20-91	Conduit
09-01-92	Feed point
06-19-03	Minor revisions
12-01-04	PE Stamp added

This document was originally issued and sealed by MARK S GAYDOS, Registration Number PE-4518, on 12/01/04 and the original document is stored at the North Dakota Department of Transportation