Power cable disconnected in tower

Junction box on luminaire ring in lowered position

Auxiliary luminaire connector

2P, 480 V, 30 A circuit breaker

Strain relief connectors

4/C #10 AWG Copper insulated electrical cable to junction box on luminaire ring

600 V 30 A rated electrical plug-moisture resistant

4/C #10 Flexible cable or 4-#10 strand wire in flexible conduit

Bonding plate

Multiple compression fitting

Insulating link

Ground

DETAIL
A Tolerances: 0 ± 1/32", angles ± 1/2° unless noted
Silicone or neoprene rubber gasket

1/4" x 1" DP Drill & tap 2 places for stainless steel bolts for securing door shut

Hinges & pins shall be stainless steel

Padlock hasp

3/4" weatherhead plugged with fine nylon screen or other suitable method for screening bugs

HANDHOLE FRAME DETAIL

COVER PLATE

HANDHOLE COVER DETAIL
GENERAL NOTES

1. Install 2" x 10" x 6'-0 treated plank 1'-0 below ground surface with inner face directly against pole outer face to be placed against undisturbed earth as near as practicable.

2. Pole key anchor and plank stabilizer to be installed at each major change of overhead line direction and at each end of lighting distribution.


INDIANA DEPARTMENT OF TRANSPORTATION
TEMPORARY HIGHWAY
ILLUMINATION DETAILS
JANUARY 2000

STANDARD DRAWING NO. E 807-LTHI-06

1/2" x 8" Copperweld ground rod driven to 6" below normal ground surface. Make connection to ground wire with suitable clamp. To be installed at each end of lighting distribution.
Drill and tap mast arm for ground connection. Use a solderless lug with #6 copper ground wire.

To be insulated

Ground, neutral-messenger-cable

Phase conductors R & B

Section A
Typical Aerial Luminaire Connection with Ground

Aerial Cable Termination

Typical Circuit Connection to Aerial Cable