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1" Weatherhead Service Entrance
Power Cable (Drip Loop)

1" Dia. Conduit
Signal Cables (Drip Loop)

2" Weatherhead

Power Cable (Drip Loop)

Wood Pole Class

Two Hole Steel Pipe Straps or 3/4" S.S. Bands with Conduit Hangs Every 5 ft. (Max. Spacing)

3/4" S.S. Banding (Typ.)

1" Hub Plate & Close Nipple

Entrance Switch, NEMA 3R Enclosure

1" Hub Plate

1" Close Nipple

1" Conduit

2" Hub Plate

2" Close Nipple

2" Conduit

2" Close Nipple

Two Hole Pipe Straps

Ground Wire in 1/2" Dia. Conduit

Ground Line or Top of Sidewalk

1'-0" Min. to 1'-9" Min.

1'-9" Min. To Ground Rod

INDIANA DEPARTMENT OF TRANSPORTATION
SIGNAL SERVICE & CONTROLLER MOUNTED ON WOOD POLE
SEPTEMBER 2017

STANDARD DRAWING NO. E 805-SGCO-02

1' - 9" Min.
1' - 9" Max.
1' - 9" Max.
1' - 9" Max.
Conduit hanger
Steel conduit
Steel strain pole

3'-3\" + \( \text{Max.} \)

2" Weatherhead
Min. 1'-0"

1" Weatherhead Service Entrance

1" Dia. Conduit

2" Weatherhead

3/4" S.S. Bands with Conduit Hangers Every 5 ft (Max. Spacing) (See Detail A)

Power Cable (Drip Loop)

Signal Cables (Drip Loop)

3/4" S.S. Band (Typ.)

Meter (If required)

1" Hub Plate & Close Nipple

Entrance Switch, NENA 3R Enclosure

1" Hub Plate & 1" L. B. Conduit

Handhole

Grounding Lug

Ground Wire

Ground Line or Top of Sidewalk

Steel pole band

1" L.B. Conduit

2" Close Nipple

Controller

4" Hub Plate

2" L.B. Conduit

INDIANA DEPARTMENT OF TRANSPORTATION

SIGNAL SERVICE & CONTROLLER MOUNTED ON STEEL POLE

SEPTEMBER 2017

STANDARD DRAWING NO. E 805-SGCO-03

NOTES:

NOTE:
1" Weatherhead
Service Entrance

Power Cable
(Drip Loop)

1" Conduit

Two Hole Pipe Straps or 3/4" S.S.
Bands with Conduit Hangers every
5 ft (Max. Spacing)

1" Hub Plate and
Close Nipple

Entrance Switch

Hub Plate

2" Conduit

Ground Wire in
1/2" Dia. Conduit

Two Hole Steel Pipe Straps
or 3/4" S.S. Bands with
Conduit Hangers

Ground rod

1" Conduit

1/2" Dia. Conduit

Ground Wire

Hub Plate

Entrance Switch

Power Cable

(Drip Loop)
NOTES:

1. This distance shall be 10'-0" to 15'-0" above centerline of pavement for vehicular signals and from 7'-0" to 10'-0" above top of sidewalk for pedestrian signals.

2. Each pedestrian signal and each vehicular signal requires 2 pole plates and 2 pipe arms.

Pedestrian Signal Head

Lug On One of the Screws on the Tri-Stud Grounding Bushing or One Grounding Wire each Metal Signal Head

Install Grounding Lug on 1'-0" Dia. Conduit

2" Weatherhead

3/4" S.S. Bands (Typ.)

Pedestrian Pushbutton Assembly

1" Dia. Conduit

NOTES:

1. This distance shall be 10'-0" to 15'-0" above centerline of pavement for vehicular signals and from 7'-0" to 10'-0" above top of sidewalk for pedestrian signals.

2. Each pedestrian signal and each vehicular signal requires 2 pole plates and 2 pipe arms.

NOTES:

1. On metal signal heads grounding wire shall connect each signal head and the bottom grounding bushing of the assembly to the grounding lug.

2. Single conductor (hookup) shall be used from slipfitter terminal block to signal indications.


NOTES:

1 See Standard Drawing E 805-SGGR-03 for grounding lug details.