

1. Traffic monitoring site cabinet includes:

A. One adjustable shelf; (equipped as shown)

B. One backplane ass'y;

C. One J1 receptacle with mounting bracket;

D. All associated wiring and wiring harnesses.

2. Basic backplane assembly consists of:

A. Two inductive loop terminal strips;

B. One vehicle sensor terminal strip;

C. One battery terminal strip;

D. One solar panel terminal strip.

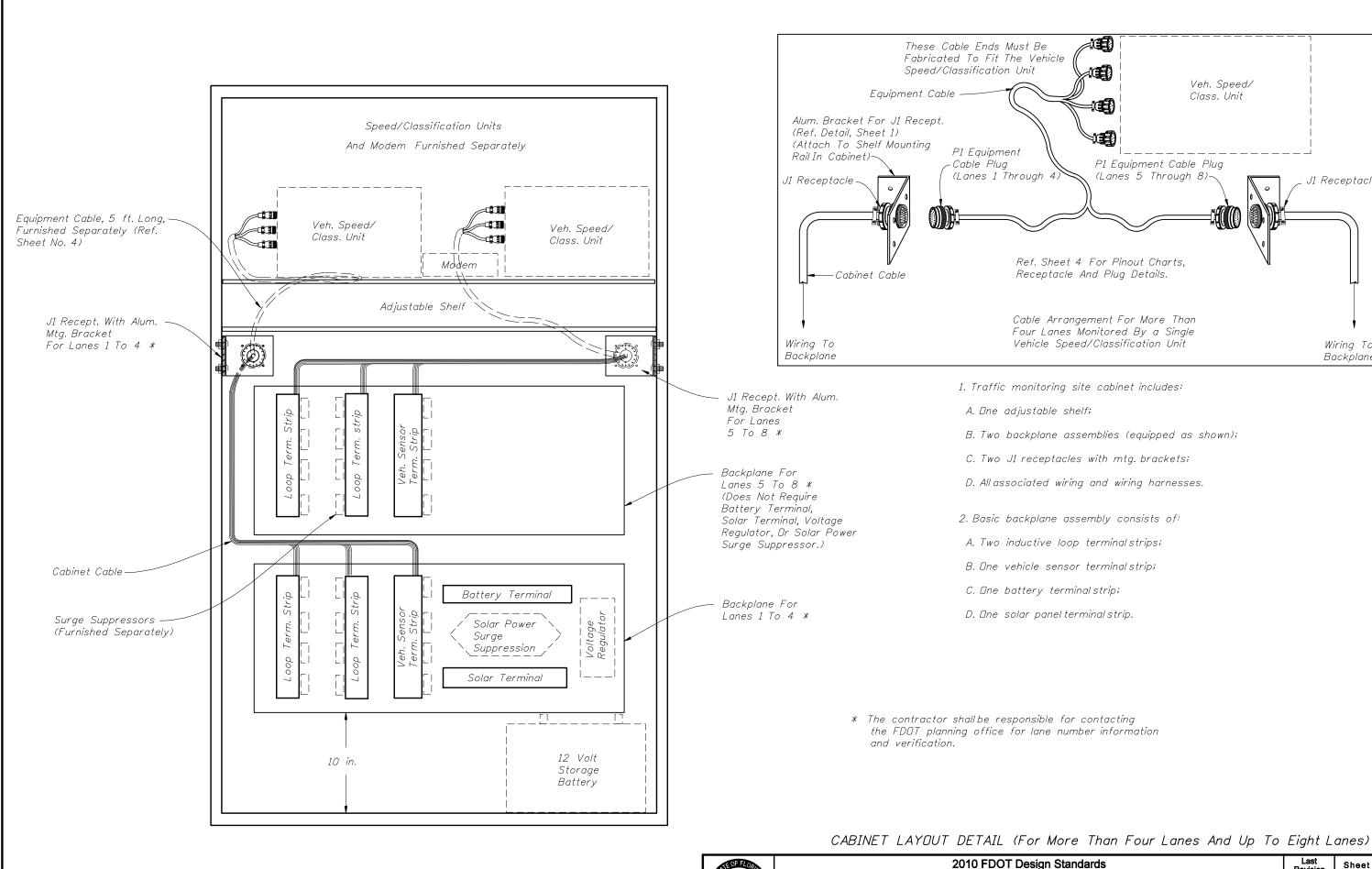
* The contractor shall be responsible for contacting the FDOT planning office for lane number information and verification.

CABINET LAYOUT DETAIL (For Up To Four Lanes)



Backplane For

Lanes 1 To 4 *

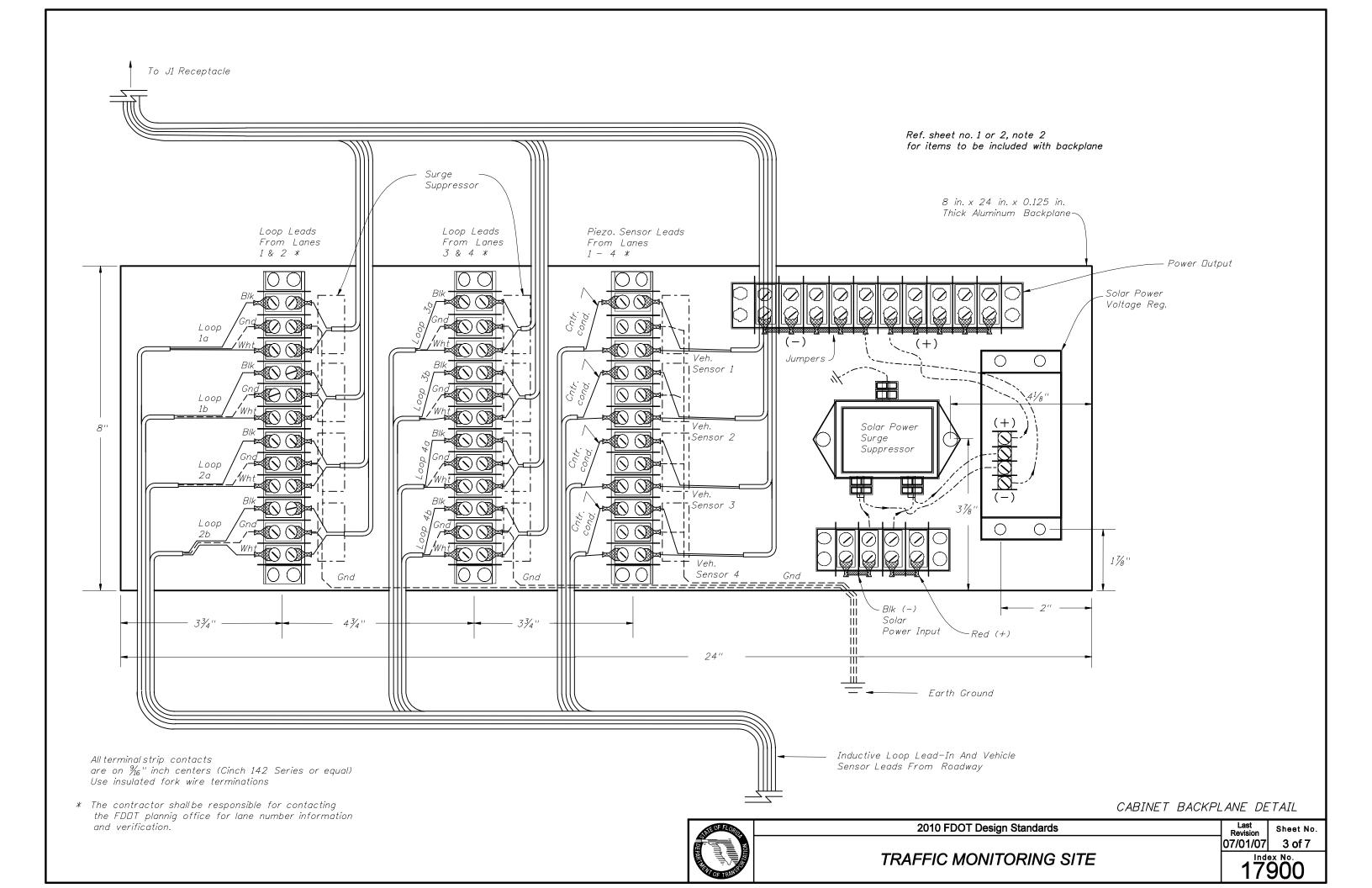


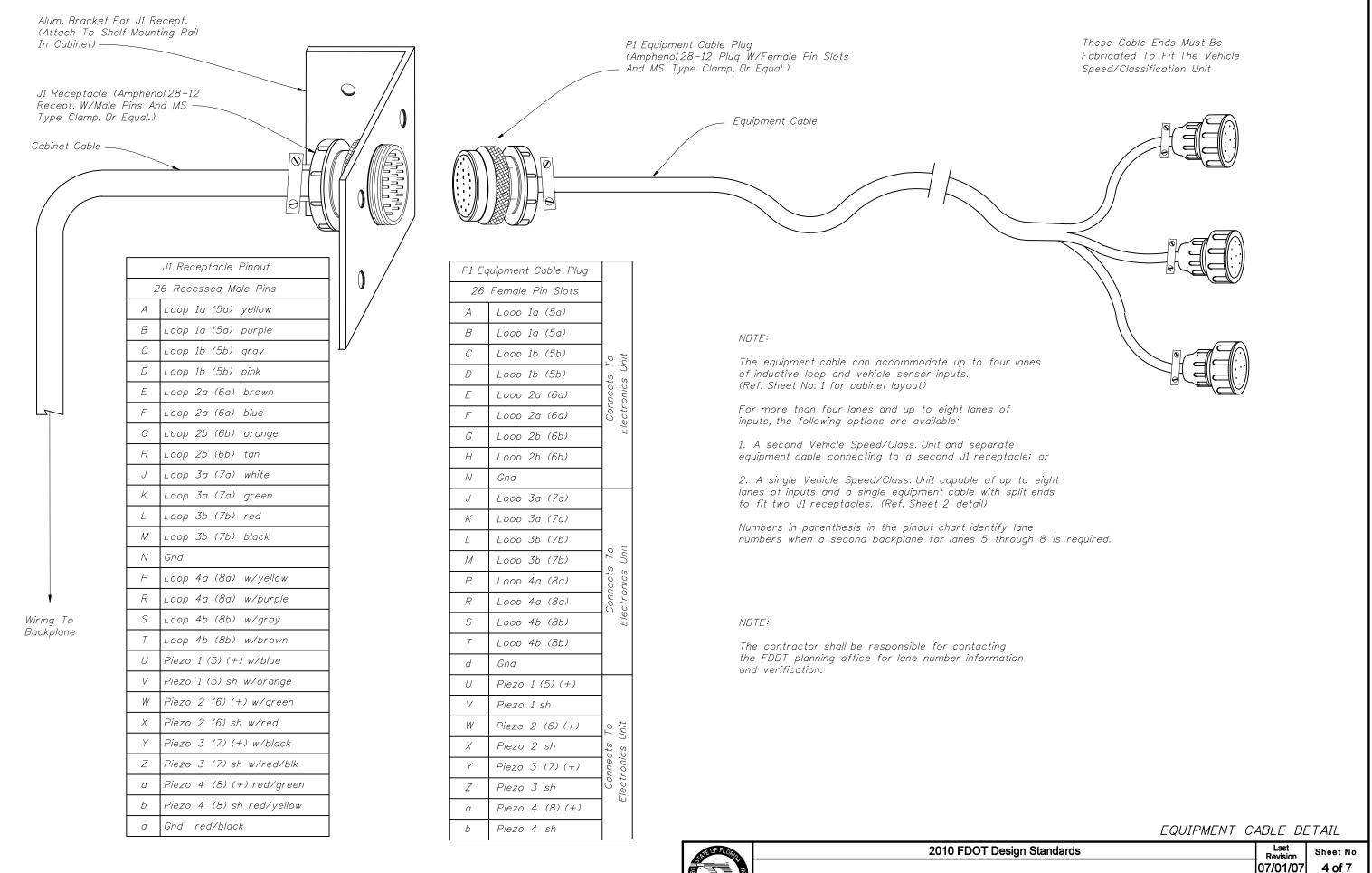
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J1 Receptacle

Wiring To

Backplane

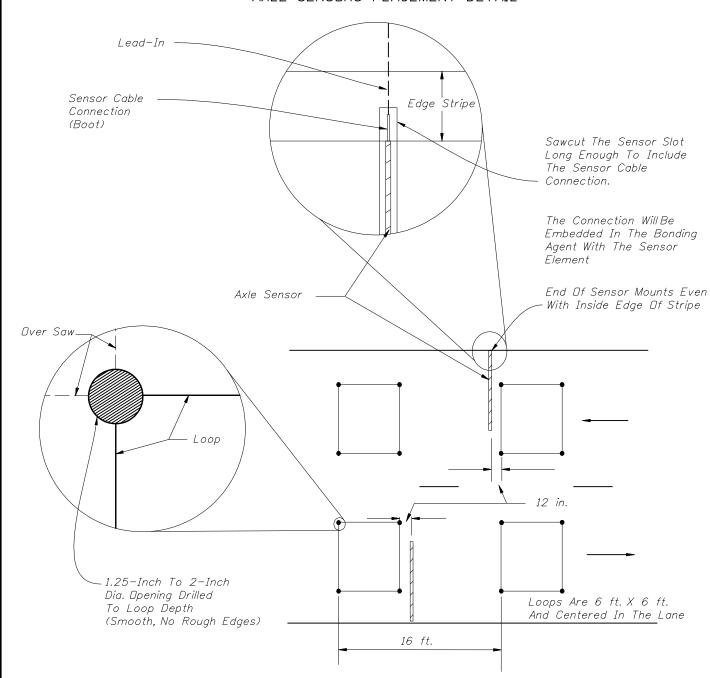




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TRAFFIC MONITORING SITE

SPEED/CLASSIFICATION LOOP ASSEMBLY WITH AXLE SENSORS PLACEMENT DETAIL

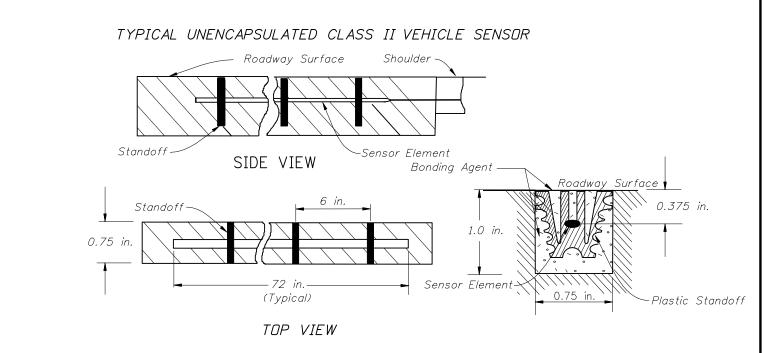


Note

Loop slots shall be 0.25 inches wide (max.) by 1.5 inches to 2 inches deep. Four turns of #12 AWG, type XHHW stranded copper wire shall be placed in the slot. Backer rod shall be used to hold the loop wire in the bottom of the slot.

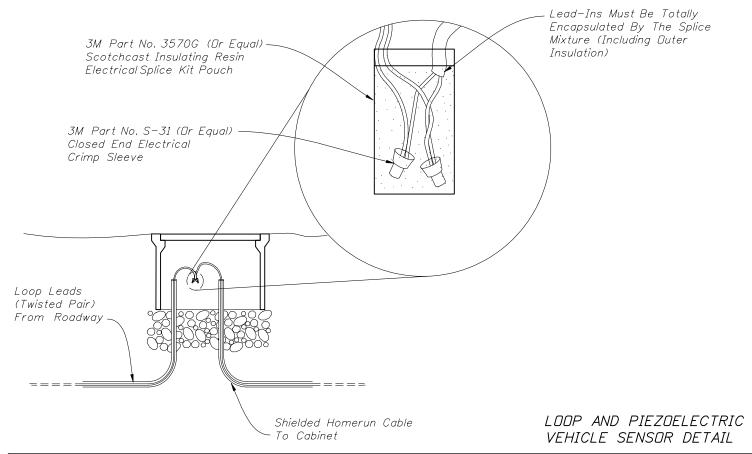
Loop leads shall be twisted at the rate of 10 to 12 twists per foot. The twisted pair shall extend to the pull box with three feet of spare length coiled in the pull box.

The contractor shall be responsible for contacting the FDDT office for lane number information and verification. All leads shall be labeled with permanent marker to indicate their lane number and position. For example: The leading loop in lane 1 is marked as "1A". The trailing loop (if present) is marked as "1B". The axle sensor (if present) is marked as "P1". And so on for all lanes.



Note:
These are typical dimensions. actual dimensions, element cross-sections and standoffs may vary depending on manufacturer and model.

LOOP WIRE / HOMERUN CABLE SPLICES





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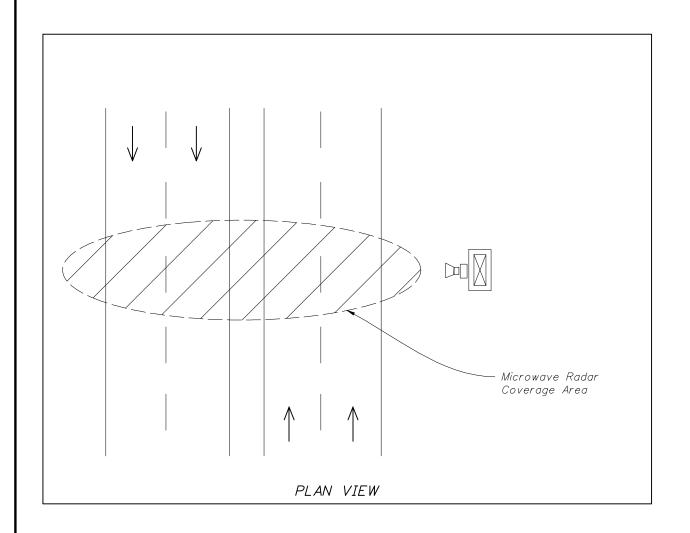
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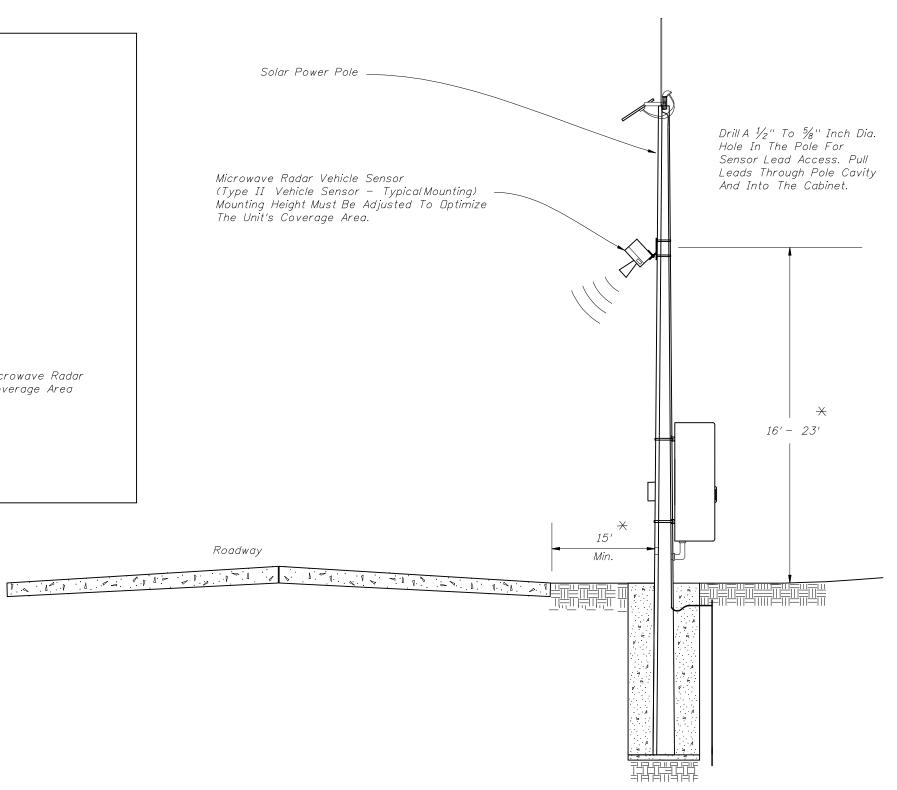
END VIEW

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TRAFFIC MONITORING SITE

179°C





The Unit Must Be Capable Of Detecting Up To Eight Lanes Of Traffic (In Either Or Both Directions) When Mounted Perpendicular To The Roadway.

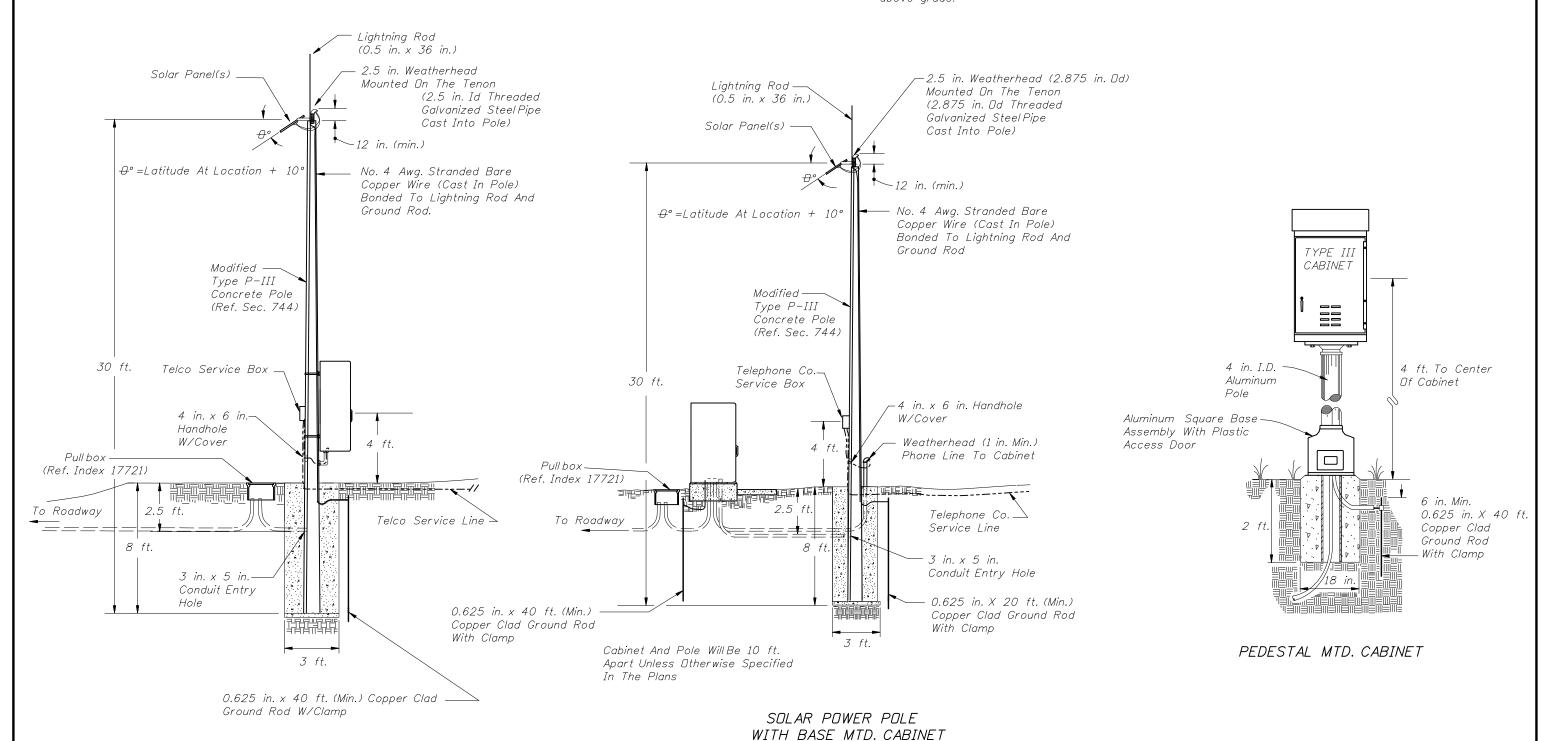
Coverage Area Of The Unit Is Affected By The Roadway Geometry: Distance From The TravelLanes, Median Type And Width, Barrier Walls, Etc. Mounting height of the unit and offset from the roadway must be determined on a site-by-site basis, in accordance with the manufacturer's recommended guidlines and existing clear zone requirements.

TYPE II VEHICLE SENSOR MICROWAVE RADAR



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TRAFFIC MONITORING SITE 1790



Wire for Solar Panel Array installations shall be #10 AWG stranded copper, Red insulation is THHN or THWN for positive 12 volts wiring, Black insulation is THHN or THWN for negative, 12 volts wiring, Green insulation is THHN or THWN for ground bonding of the solar panel frame to the pole and earth.

Pole placement shall be in accordance with section 125.4 and 125.8.2 of the Standard Specifications.

SOLAR POWER POLE WITH POLE MTD. CABINET

SOLAR POWER POLE DETAIL



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