GENERAL NOTES:

- Work these Index drawings with the Strain Pole Schedule in the Plans. Shop Drawings: This Index is considered fully detailed and no shop drawings are necessary. Submit shop drawings for minor modifications not detailed in the plans.
- Materials:
 - Concrete: Class V Special or Class VI
 Prestress Strands & Spiral Reinforcing: Specification Section 641
 Hand and coupler cover plates: Hand and coupler cover plates: Non-corrosive material
- Screws: Round headed, chrome plated
- 4. Fabrication:
 - A. Pole Taper for pole width, strands, reinforcing and void: 0.081 in/ft per face. B. Concrete Cover: 1" minimum

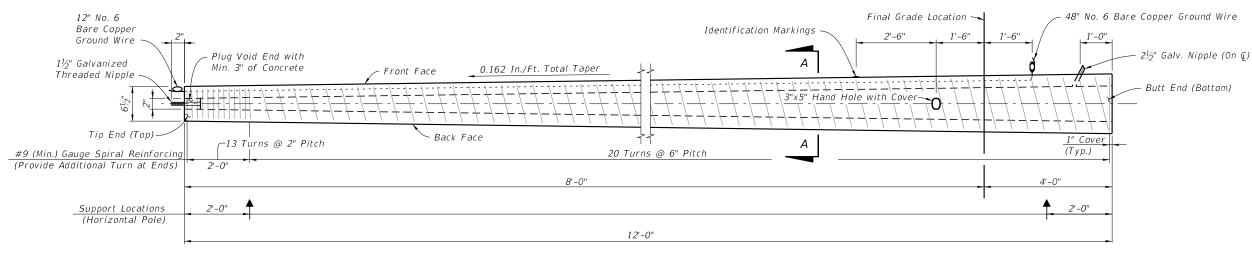
 - Spiral Reinforcing: As shown, plus one turn for splices and two turns at both the tip and butt ends
 - The design dimensions for Front Face (FF) and Back Face (BF) of the poles may vary transversely from the section shown by $\pm \frac{1}{4}$ " to assist with removal from forms. Balance addition and subtraction of the face widths to maintain section areas shown.
 - Tie ground wires to the interior of reinforcing steel to prevent displacement during concreting operations.
 - Cut the tip end of the prestressed strand first or simultaneously with the butt end
 - Provide cover plates and screws for hand hole and couplers. Attach cover plates to the poles using lead anchors or embedded threaded inserts.
 - Provide Aluminum Identification Tags on the poles with the following information:
 - Financial Project ID.
 - Pole Manufacturer
 - Standard Pole Type Number
 - d. Pole Length (L)
- Support locations are for strand release, storage, lifting and transport. Keep BF oriented downward until final erection.
- Pick-up and support locations shown may vary within a tolerance of ± 3 ".
- 7. Two point attachment: provide an eye bolt hole for the messenger wire. 8. Tether Wire: When required, field-drill the eyebolt hole prior to installation

LAST **REVISION** 11/01/17

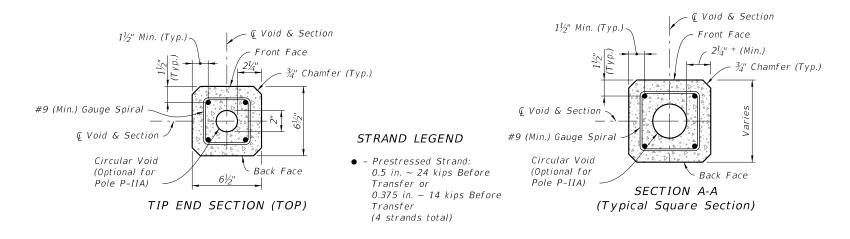
DESCRIPTION:

FDOT

SERVICE POLE P-IIA (12 Ft.) & P-IIB (36 Ft.) ELEVATION (Strands Not Shown)



PEDESTAL POLE P-IIC (12 Ft.) ELEVATION (Strands Not Shown)



NOTES:

Strands shown are continuous from Tip End to Butt End.

Elevation view scale is exaggerated vertically for clarity.

For final erection, tilt pole upright with single point attachment located a distance of 4 Ft. (for P-IIA & P-IIC) or 10 Ft. (for P-IIB) from the Tip End.

* Dimension may vary from $2\frac{1}{4}$ " to accommodate smaller radius of optional stepped (PVC) void. The void diameter shall not be less than 2".

SERVICE AND PEDESTAL POLE TYPE P-II

LAST **REVISION** 11/01/17

DESCRIPTION:

FDOT

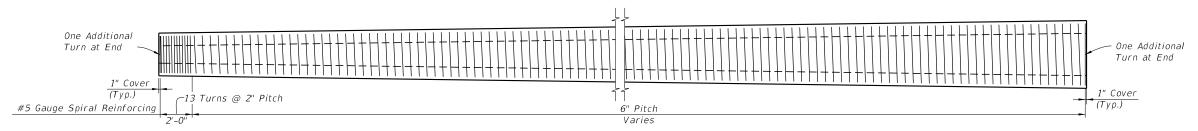
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CONCRETE POLES

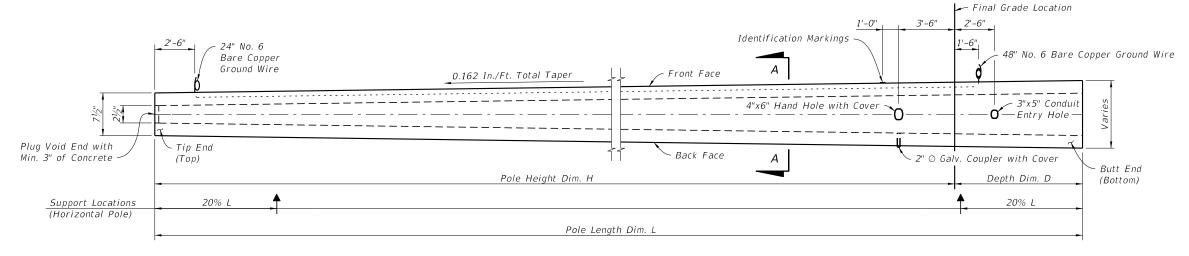
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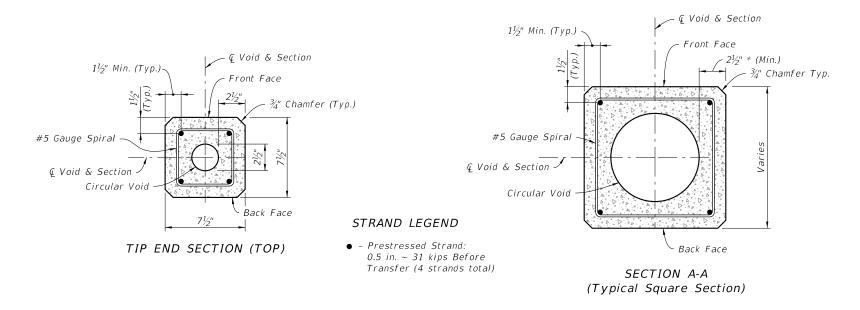
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SPIRAL REINFORCING ELEVATION (Strands, Holes, and Fixtures Not Shown)



POLE ELEVATION (Strands and Reinforcing Not Shown)



NOTES:

Strands shown are continuous from Tip End to Butt End.

Elevation view scale is exaggerated vertically for clarity.

For final erection, tilt pole upright with single point attachment located a distance 33.3% L from Tip End.

* Dimension may vary from $2\frac{1}{2}$ " to $3\frac{3}{4}$ " to accommodate smaller radius of optional stepped (PVC) void. The void diameter shall not be less than $2\frac{1}{2}$ ".

POLE TYPE P-III

REVISION 11/01/17

DESCRIPTION:

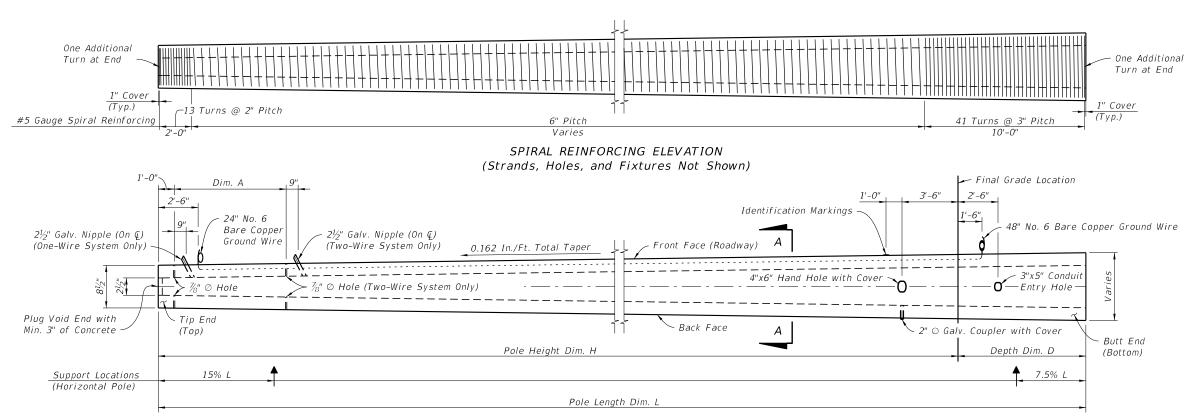
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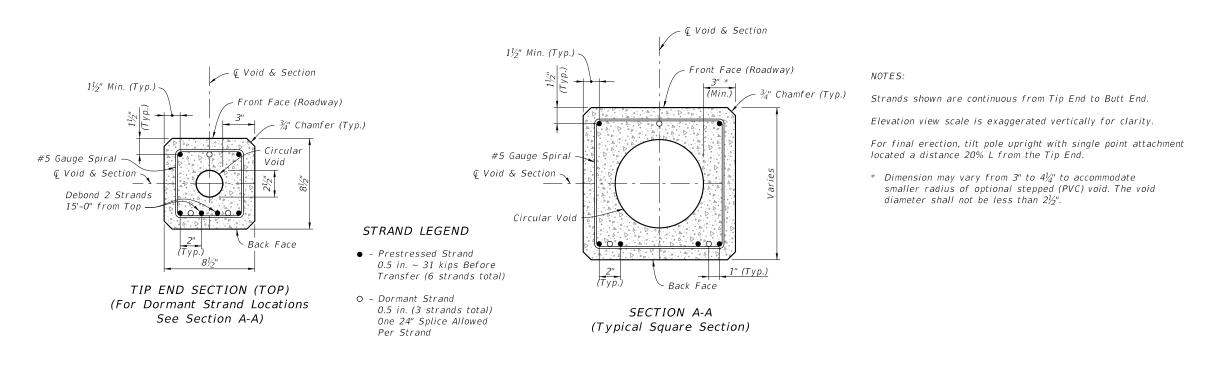
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STRAIN POLE TYPE P-IV

LAST REVISION 11/01/17

DESCRIPTION:

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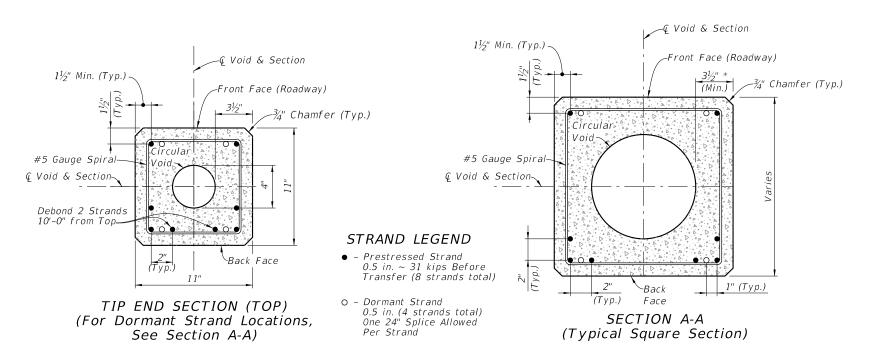
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NOTES:

Strands shown are continuous from Tip End to Butt End.

Elevation view scale is exaggerated vertically for clarity.

For final erection, tilt pole upright with single point attachment located a distance 12.5% L from the Tip End.

* Dimension may vary from $3\frac{1}{2}$ " to $4\frac{3}{4}$ " to accommodate smaller radius of optional stepped (PVC) void. The void diameter shall not be less than 4".

STRAIN POLE TYPE P-V

LAST **REVISION** 11/01/17

DESCRIPTION:

FDOT

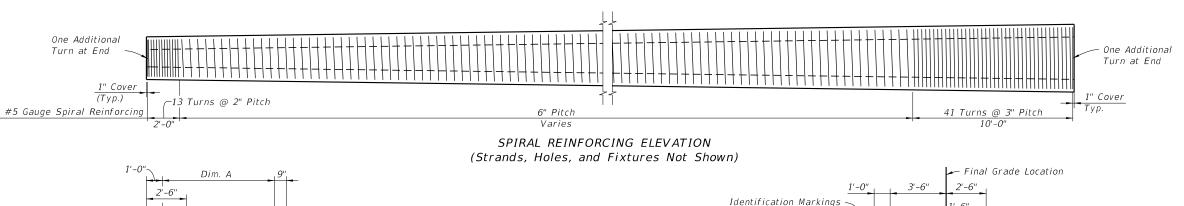
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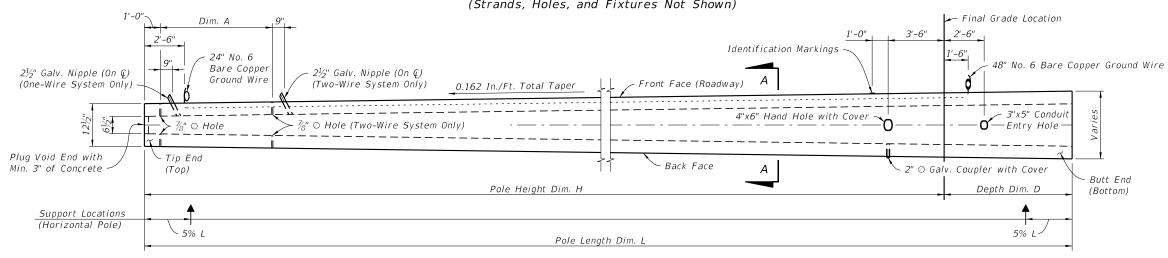
CONCRETE POLES

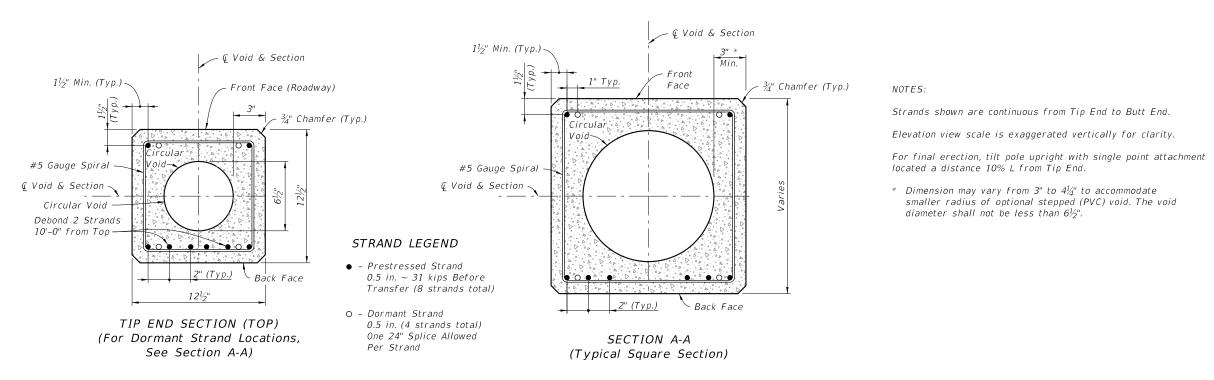
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STRAIN POLE TYPE P-VI

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DESCRIPTION:

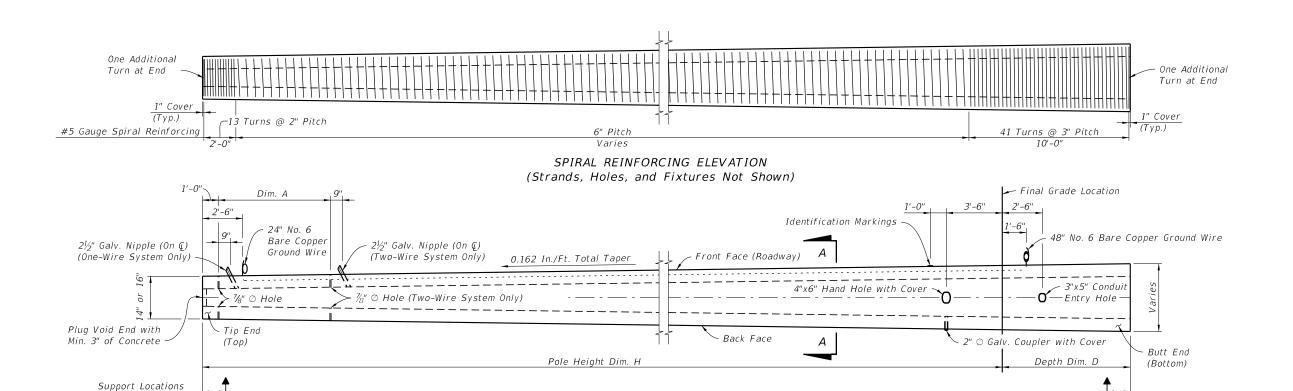
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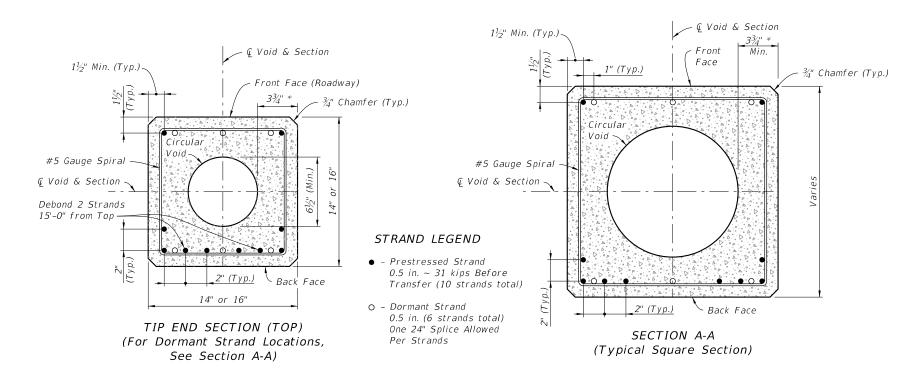
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Pole Length Dim.



NOTES:

≤ 2.5% L

Strands shown are continuous from Tip End to Butt End.

Elevation view scale is exaggerated vertically for clarity.

For final erection, tilt pole upright with single point attachment located a distance 10% L from the Tip End.

* Dimension may vary from 3¾" to 5" to accommodate smaller radius of optional stepped (PVC) void. The void diameter shall not be less than 6½".

STRAIN POLE TYPE P-VII

LAST REVISION 11/01/17

DESCRIPTION:

(Horizontal Pole)

≤ 2.5% L

FDOT

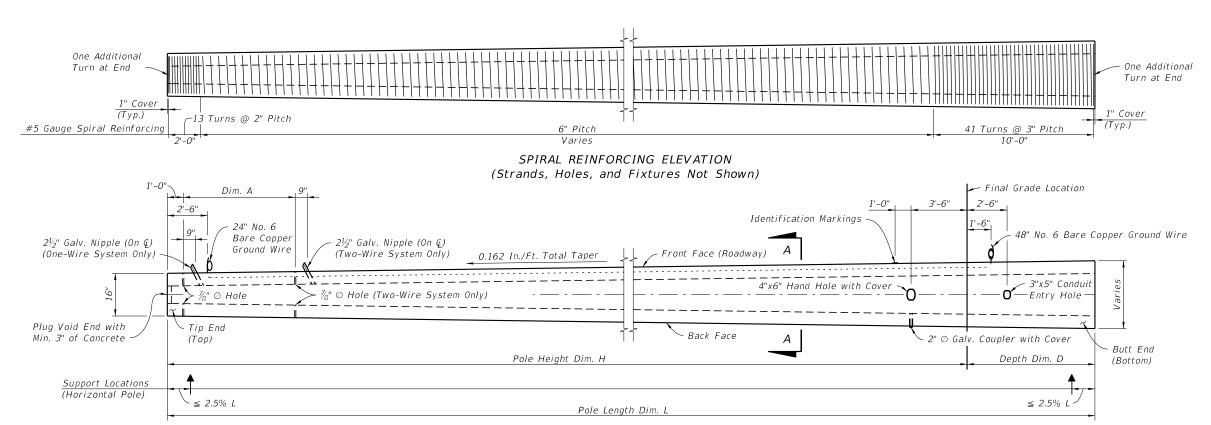
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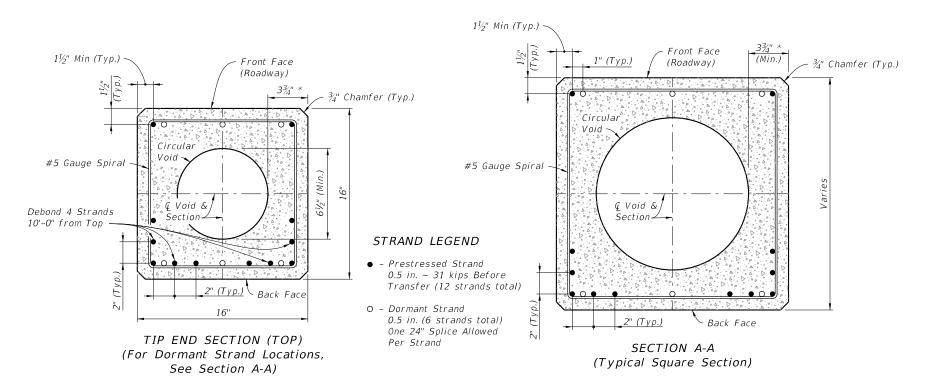
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NOTES:

Strands shown are continuous from Tip End to Butt End.

Elevation view scale is exaggerated vertically for clarity.

For final erection, tilt pole upright with single point attachment located a distance 10% L from the Tip End.

* Dimension may vary from $3\frac{3}{4}$ " to 5" to accommodate smaller radius of optional stepped (PVC) void. The void diameter shall not be less than $6\frac{1}{2}$ ".

STRAIN POLE TYPE P-VIII

REVISION 11/01/17

DESCRIPTION:

FDOT

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