GENERAL NOTES:

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

5. Support locations are for strand release, storage, lifting and transport. Keep BF oriented downward until final erection.
6. 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.
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 2⅝” to 3½” to accommodate smaller radius of circular void or optional stepped (PVC) void. The void diameter shall not be less than 2”.

SERVICE AND PEDESTAL POLE TYPE P-II

CONCRETE POLES

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FY 2018-19

STANDARD PLANS

6 of 8
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 2½" to 3¾" to accommodate smaller radius of optional stepped (PVC) void.
- The void diameter shall not be less than 2½".

POLE TYPE P-III

DESCRIPTION:
FY 2018-19
STANDARD PLANS
CONCRETE POLES

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SHEET
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**REVISION DESCRIPTION:**

**LAST REVISION:** 01/01/17

**STANDARD PLANS:** FY 2018-19

**CONCRETE POLES**

**INDEX:** 641-010

**SHEET:** 4 of 8

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**POLE ELEVATION**

*Strands and Reinforcing Not Shown*

- **Pole Height Dim. H**
- **Pole Length Dim. L**
- **Depth Dim. D**

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**STRAND LEGEND**

- Prestressed Strand
  - 0.5 in. = 31 kips Before Transfer (6 strands total)

- Dormant Strand
  - 0.5 in. (3 strands total)
  - One 24" Splice Allowed Per Strand

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**STRAIN POLE TYPE P-IV**

**NOTES:**

- Strands shown are continuous from Tip End to But End.
- Elevation view scale is exaggerated vertically for clarity.
- For final erection, tilt pole upright with single point attachment located a distance 20% L from the Tip End.
  - *Dimension may vary from 3" to 4½" to accommodate smaller radius of optional stepped (PVC) void. The void diameter shall not be less than 2½".*

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**TIP END SECTION (TOP)**

*For Dormant Strand Locations See Section A-A*

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**SECTION A-A**

*Typical Square Section*
**Revision Description:**

- Standard plans for FY 2018-19
- Sheet index: 11/01/17

**Concrete Poles:**

- **Concrete Poles**
- **Pole Elevation**
- **Spiral Reinforcing Elevation**
- **Section A-A**

**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 3½" to 4½" to accommodate smaller radius of optional stepped (PVC) void. The void diameter shall not be less than 4".*
**SPRAL REICFORCING 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 10% L from Tip End.
- Dimension may vary from 3" to 4½" to accommodate smaller radius of optional stepped (PVC) void. The void diameter shall not be less than 6½".
CONCRETE POLES

Strain Pole Type P-VII

Spiral Reinforcing Elevation
(Strands, Holes, and Fixtures Not Shown)

Pole Elevation
(Strands and Reinforcing Not Shown)

Spiral Reinforcing Elevation
(Strands, Holes, and Fixtures 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 30% L from the Tip End.

* Dimension may vary from 3½" to 5" to accommodate smaller radius of optional stepped (PVC) void. The void diameter shall not be less than 6½".

STANDARD PLANS

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SHEET 7 of 8

DESCRIPTION: FY 2018-19

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

POLE ELEVATION
(Strands and Reinforcing Not Shown)

TIP END SECTION (TOP)
(For Dormant Strand Locations, See Section A-A)

SECTION A-A
(Typical Square Section)

STRAND LEGEND
- Prestressed Strand
  0.5 in. - 31 kips Before Transfer (12 strands total)
- Dormant Strand
  0.5 in. (8 strands total)
  one 24" Splice Allowed Per Strand

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 3¾" to 9" to accommodate smaller radius of optional stepped (PVC) void. The void diameter shall not be less than 6½".