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.

Materials:
A. Concrete:
B. Prestress Strands & Spiral Reinforcing:
C. Hand and coupler coverplates:
D. Screws:
4. Fabrication:
A. Pole Taper for pole width, strands, reinforcing and void:
B. Concrete Super-T including:
C. Spiral Reinforcing:
D. The design dimensions for front face (FF) and back face (BF) of the poles may vary transversely from the section shown by ± ¼" to assist with removal from forms. Balance addition and subtraction of the face widths to maintain section areas shown.
E. Tie ground wires to the interior of reinforcing steel to prevent displacement during concreting operations.
F. Cut the tip end of the prestressed strand first or simultaneously with the butt end.
G. Provide cover plates and screws for hand hole and couplers. Attach cover plates to the poles using lead anchors or embedded threaded inserts.
H. Provide aluminum identification tags on the poles with the following information:
   a. Financial Project ID:
   b. Pole Manufacturer:
   c. Standard Pole Type Number
   d. Pole Length (L)
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-II A (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-II A & P-IIC) or 10 Ft. (for P-IIB) from the Tip End.
- * Dimension may vary from 2½" to 3½" to accommodate smaller radius of curvature.

STRAND LEGEND

- Prestressed Strand: 0.5 in. ~ 32 kips Before Transfer or 0.75 in. ~ 34 kips Before Transfer (4 strands total)

CONCRETE POLES

SERVICE AND PEDESTAL POLE TYPE P-II
SPIRAL REINFORCING ELEVATION
(Strands, Holes, and Fixtures Not Shown)

POLE ELEVATION
(Strands and Reinforcing Not Shown)

STRAND LEGEND

POLE TYPE P-III

CONCRETE POLES
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 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".

STRAIN POLE TYPE P-IV

CONCRETE POLES
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 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".
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 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'.

Strand Legend
- Prestressed Strand 0.5 in. - 31 kips Before Transfer (6 strands total)
- Dormant Strand 0.5 in. (4 strands total)

Transfer (8 strands total)
One 24" Splice Allowed Per Strand

Pole Length Dim. L

Notes:
- Depth Dim. D
- Pole Height Dim. H
- Pole Length Dim. L
- Min. 3" of Concrete
- Plug Void End with Min. 3' of Concrete
- Void & Section
- Circular Void
- Chamfer (Typ.)
- Void & Section
- Pole Height Dim. H

Strain Pole Type P-VI

Concrete Poles

Fy 2020-21

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Revision 31/01/17

Description:
REVISION DESCRIPTION:

LAST REVISED 11/01/17

POLE ELEVATION (Strands and Reinforcing Not Shown)

POLE ELEVATION (Strands and Reinforcing Not Shown)

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

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

SECTION A-A
(Typical Square Section)

STRAND LEGEND
- Prestressed Strand
- Dormant 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 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".

STRAIN POLE TYPE P-VII

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STANDARD PLANS

CONCRETE POLES