**NOTES:**

1. Work this Index with Index 455-101 - Typical Details and Notes for Square CFRP & SS Prestressed Concrete Piles and Index 455-102 - Square CFMP & SS Prestressed Concrete Pile Splices.

2. Any of the given Strand Patterns may be utilized.

   a. The strands shall be located as follows:
   b. Place one strand at each corner and place the remaining strands equally spaced between the corner strands.
   c. The total strand pattern shall be concentric with the nominal concrete section of the pile.

**SECTION A-A**

0.2" Ø CFRP Strand Spiral Ties

See Alternate Strand Patterns

**SPIRAL TIE ELEVATION**

**ALTERNATE STRAND PATTERNS**

16 – 0.6" Ø, CFRP 7-Strand, at 42 kips
16 – ½" Ø, CFRP Single-Strand, at 41 kips

**SECTION D-D**

(See Non-Drivable Unforeseen Reinforced Precast Pile Build-Up Detail)

**SECTION E-E**

(See Drivable Preplanned Prestressed Precast Pile Splice Detail)

**SECTION F-F**

(See Drivable Prestressed Precast Pile Splice Detail)
**SS Prestressed Pile Details**

**SS Prestressed Pile Splice Details**

**SS Prestressed Pile Splice Reinforcement Details**

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**Section A-A**

- Spiral Ties: 1" Pitch
- 5 Turns @ 1" Pitch
- 5 Turns @ 1" Pitch

**Section D-D**

- 12 ~ No. 10 SS Dowels
- 12 ~ No. 10 SS Bars (Full length)

**Section E-E**

- 12 ~ No. 10 SS Dowels
- 4 ~ No. 8 SS Bars (Full length)

**Section F-F**

- 12 ~ No. 10 SS Dowels

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**Notes:**

1. Work this index with Index 455-101 - Typical Details and Notes for Square CFRP & SS Prestressed Concrete Piles and Index 455-102 - Square CFMP & SS Prestressed Concrete Pile Splices.

2. Any of the given Strand Patterns may be utilized.

   - The strands shall be located as follows:
     - Place one strand at each corner and place the remaining strands equally spaced between the corner strands.
     - The total strand pattern shall be concentric with the nominal concrete section of the pile.

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**Elevation**

- 1/2" x 3" Chamfer (Typ.)
- 3" Cover (Typ.)

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**Strand Pattern**

28 ~ 5/8" Ø, H5SS at 26 kips

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**Sprial Ties @**

- 6" pitch, full length
- 3" pitch, full length

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**W3.4 Spiral Ties**

**W4.0 Spiral Ties**

**Spiral Ties @ 6" pitch, full length**

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**SS PRESTRESSED PILE DETAILS**

**SS PILE SPLICE REINFORCEMENT DETAILS**

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**REV ISIO N**

- DESCRIPTION:
- LAST REV: 01/01/16
- FY 2019-20
- STANDARD PLANS
- INDEX 455-124
- SHEET 2 of 2

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**24\(^{\circ}\) SQUARE CFRP & SS PRESTRESSED CONCRETE PILE**