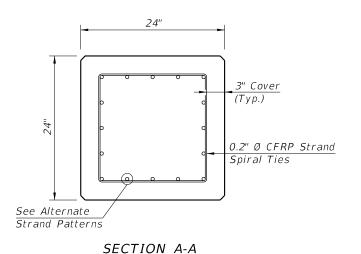


** See Note 4 on Index 455-102

ALTERNATE STRAND PATTERNS

16 ~ 0.6" Ø, CFRP 7-Strand, at 42 kips $16 \sim \frac{1}{2}$ " Ø, CFRP Single-Strand, at 41 kips



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

 $6\frac{3}{4}$ " $3\frac{1}{2}$ " $\left| \right| \left| 3\frac{1}{2}\right| 6\frac{3}{4}$ "

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

6¾" | 3½" | | | 3½" | 6¾" |

 \otimes \otimes

 \otimes

SECTION E-E (See Drivable Prestressed Precast Pile Splice Detail)

 \otimes \otimes

 \otimes \otimes

16 ~ No. 6 CFRP Bars

16 ~ No. 6

CFRP Bars

16 ~ No. 6

CFRP Bars

€ Pile →

SECTION F-F

(See Drivable Preplanned Prestressed Precast Pile Splice Detail)

CFRP PILE SPLICE REINFORCEMENT DETAILS

Ç Pile →

6¾" _| 3½" _|

Spiral Ties 6" Pitch, Full Length

- @ Pile

3" Cover (Typ.)

/4 ~ No. 6 CFRP Bars

Spiral Ties

· @ Pile

Spiral Ties

12 ~ No. 6 CFRP

Bars (8'-6" long)

3" Cover (Typ.)

Prestressing

Strands

(Shift as required to clear strands) — € Pile

3" Cover (Typ.)

/Prestressing

Strands

, 31/2", 63/4"

(Full length)



FY 2019-20 STANDARD PLANS

concrete section of the pile.

24" SQUARE CFRP & SS PRESTRESSED CONCRETE PILE

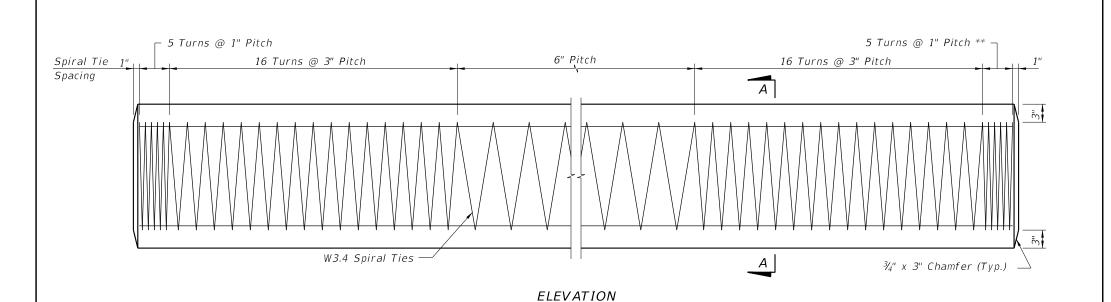
INDEX

CFRP PRESTRESSED PILE DETAILS

REVISION 11/01/16

DESCRIPTION:

SHEET 455-124 1 of 2



** See Note 4 on Index 455-102

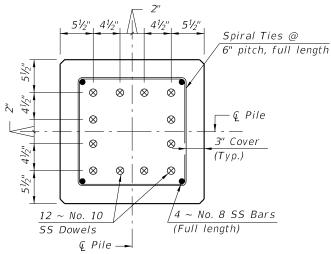
3" Cover (Typ.)W4.0 SS Spiral Ties See Strand Pattern SECTION A-A

STRAND PATTERN

 $28 \sim \frac{1}{2}$ " Ø, HSSS at 26 kips

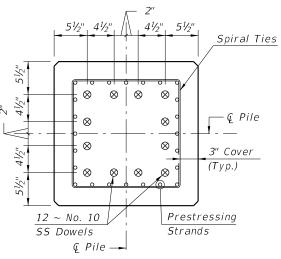
- 1. Work this Index with Index 455-101 Typical Details and Notes for Square CFRP & SS Prestressed Concrete Piles and Index 455-102 - Square CFRP & SS Prestressed Concrete Pile Splices.
- 2. Any of the given Strand Patterns may be utilized. The strands shall be located as follows: Place one strand at 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.



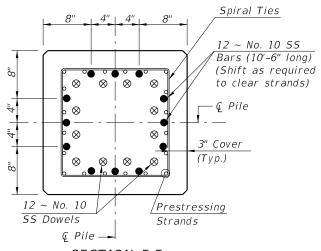
SECTION D-D

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



SECTION E-E

(See Drivable Prestressed Precast Pile Splice Detail)



SECTION F-F

(See Drivable Preplanned Pile Splice Detail)

SS PILE SPLICE REINFORCEMENT DETAILS

SS PRESTRESSED PILE DETAILS

REVISION 01/01/16

DESCRIPTION:

FDOT

FY 2019-20 STANDARD PLANS

24" SQUARE CFRP & SS PRESTRESSED CONCRETE PILE

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SHEET