
ORIGINATION FORM

Proposed Revisions to a Standard Plans Index
(Please provide all information — Incomplete forms will be returned)

Contact Information:

Date: March 12, 2020

Originator: Cheryl Hudson

Phone: 414-5332

Email: cheryl.hudson@dot.state.fl.us

Standard Plans:

Index Number: 455-112

Sheet Number (s): 1

Index Title: 12" CFRP & SS Prestressed Concrete Piles

Summary of the changes:

Added 0.6" HSSS strand

Commentary / Background:

Other Affected Offices / Documents: (Provide name of person contacted)

Yes	No	
☐	☒	Other Standard Plans –
☐	☒	FDOT Design Manual –
☐	☒	Basis of Estimates Manual –
☐	☒	Standard Specifications –
☐	☒	Approved Product List –
☐	☒	Construction –
☐	☒	Maintenance –

Origination Package Includes:

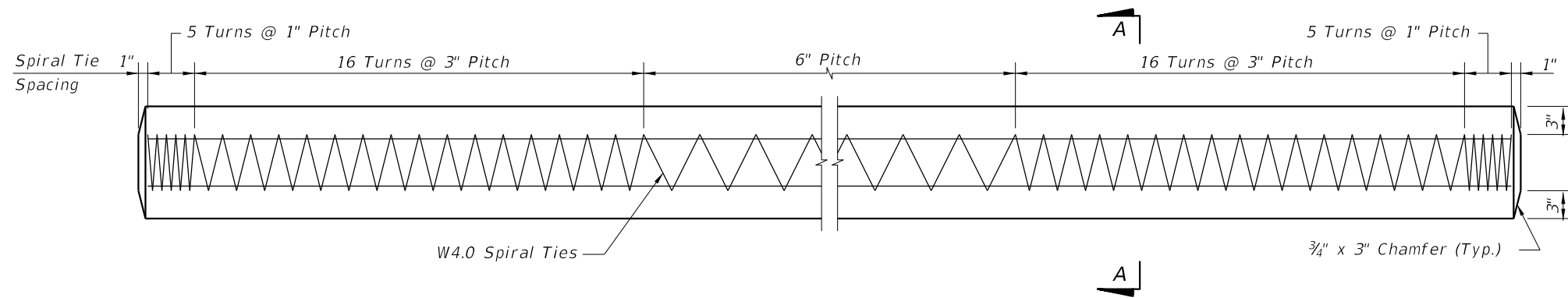
(Email or hand deliver package to Rick Jenkins)

Yes	N/A	
☒	☐	Redline Mark-ups
☐	☒	Proposed Standard Plan Instruction (SPI)
☐	☒	Revised SPI
☐	☒	Other Support Documents

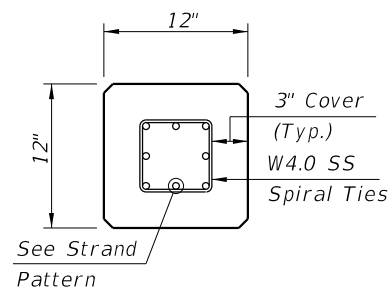
Implementation:

☐	Design Bulletin (Interim)
☐	DCE Memo
☐	Program Mgmt. Bulletin
☒	FY-Standard Plans (Next Release)

Contact the Roadway Design Office for assistance in completing this form



ELEVATION

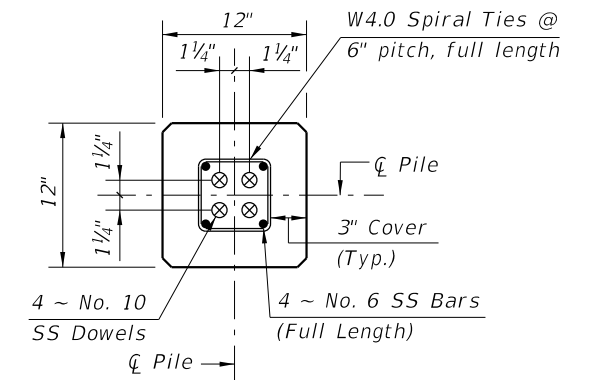


SECTION A-A

STRAND PATTERN

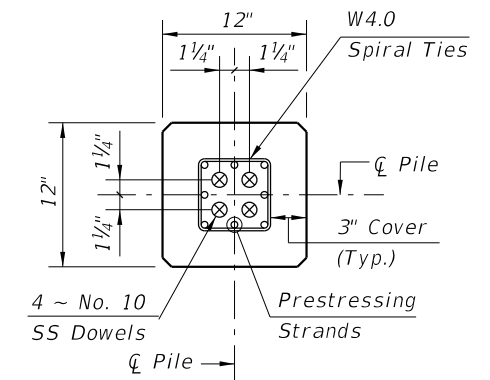
8 ~ 1/2" Ø, HSSS at 24 kips

8~0.6" Ø HSSS at 26 kips



SECTION D-D

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



SECTION E-E

(See Drivable Unforeseen Prestressed Precast Pile Splice Detail)

SS PILE SPLICE REINFORCEMENT DETAILS

NOTES:

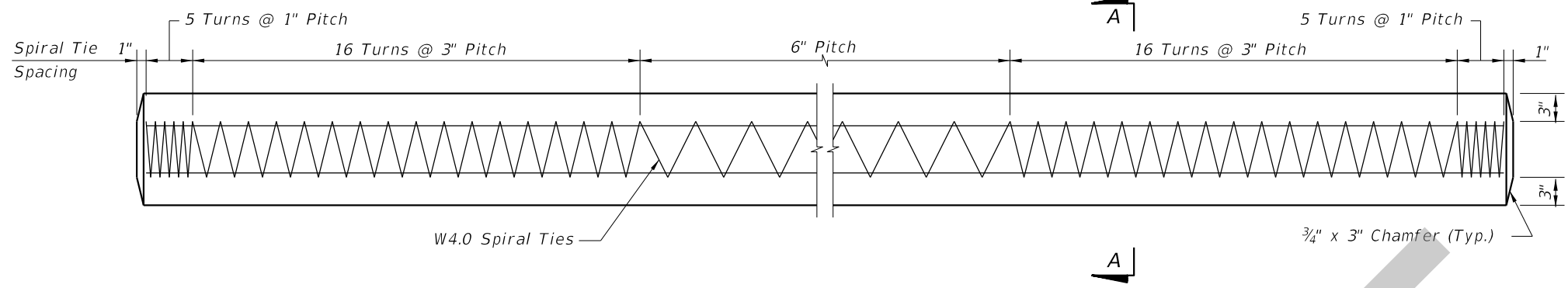
1. Work this Index with Index 455-101 - Typical Details and Notes for Square CFRP & SS Prestressed Concrete Piles and Index 455-102 - Square CFRP & SS Prestressed Concrete Pile Splices.
2. Any of the given Strand Patterns may be utilized.
The strands shall be located as follows:
Place one strand at each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

SS PRESTRESSED PILE DETAILS

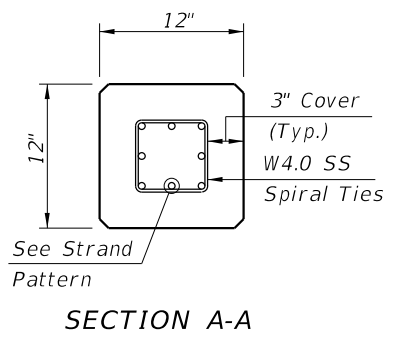
10/14/2019 02:38 PM

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LAST REVISION 01/01/16	REVISION	DESCRIPTION:	FDOT FY 2020-21 STANDARD PLANS	12" SQUARE CFRP & SS PRESTRESSED CONCRETE PILE	INDEX 455-112	SHEET 2 of 2
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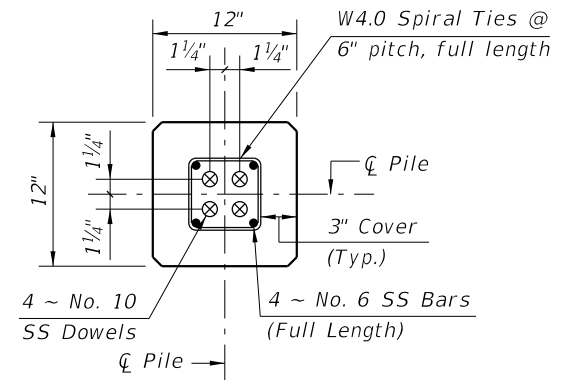


ELEVATION



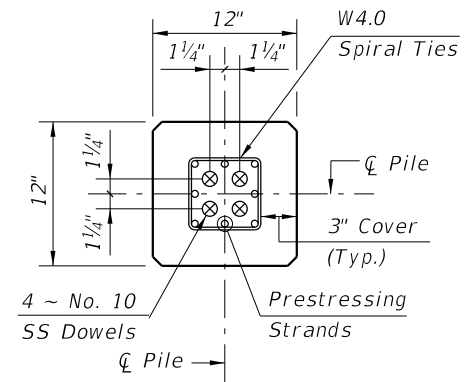
STRAND PATTERN

- 8 ~ 1/2" Ø, HSSS at 24 kips
- 8 ~ 0.6" Ø, HSSS at 26 kips



SECTION D-D

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



SECTION E-E

(See Drivable Unforeseen Prestressed Precast Pile Splice Detail)

SS PILE SPLICE REINFORCEMENT DETAILS

- 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 CFRP & SS Prestressed Concrete Pile Splices.
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SS PRESTRESSED PILE DETAILS

LAST REVISION 01/01/20	REVISION	DESCRIPTION:	FDOT FY 2020-21 STANDARD PLANS	12" SQUARE CFRP & SS PRESTRESSED CONCRETE PILE	INDEX 455-112	SHEET 2 of 2
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