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## ORIGINATION FORM

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

**Contact Information:**

Date: August 5, 2021  
Originator: Andre Pavlov  
Phone: (850) 414-4293  
Email: Andre.Pavlov@dot.state.fl.us

**Standard Plans:**

Index Number: 700-040  
Sheet Number (s): 2 of 5  
Index Title: Cantilever Sign Structure

**Summary of the changes:**

Sheet 2: Changed the 2'-2" lap splice for the #5 tie bars on the spread footing plan view to 1'-8"; Revised Note 5 to read "After galvanizing, provide magnetic partial testing on 100% of upright fillet welds."

Additional Commentary: During maintenance inspections, weld cracks were found on in-service overhead sign structure supports. A FDOT investigation determined the cracks were formed during fabrication. To implement a better fabrication quality control processes, the note on the Standard is being changed.

**Commentary / Background:**

The reference shown for longitudinal bars is incorrect.

Required lap length for #5 tie bars for spread footing shall be shorter rather than longer than what is required for drilled shaft (2'-0") due to higher concrete strength of spread footing.

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

- | Yes                      | No                                  |                             |
|--------------------------|-------------------------------------|-----------------------------|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Other Standard Plans –      |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | FDOT Design Manual –        |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Basis of Estimates Manual – |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Standard Specifications –   |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Approved Product List –     |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Construction –              |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Maintenance –               |

**Origination Package Includes:**

(Email or hand deliver package to Rick Jenkins)

- | Yes                                 | N/A                      |  |
|-------------------------------------|--------------------------|--|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Redline Mark-ups                         |
| <input type="checkbox"/>            | <input type="checkbox"/> | Proposed Standard Plan Instruction (SPI) |
| <input type="checkbox"/>            | <input type="checkbox"/> | Revised SPI                              |
| <input type="checkbox"/>            | <input type="checkbox"/> | Other Support Documents                  |

**Implementation:**

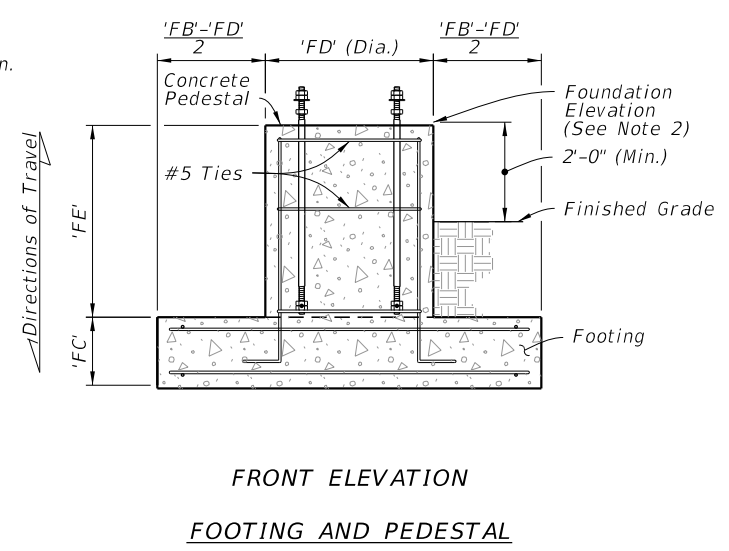
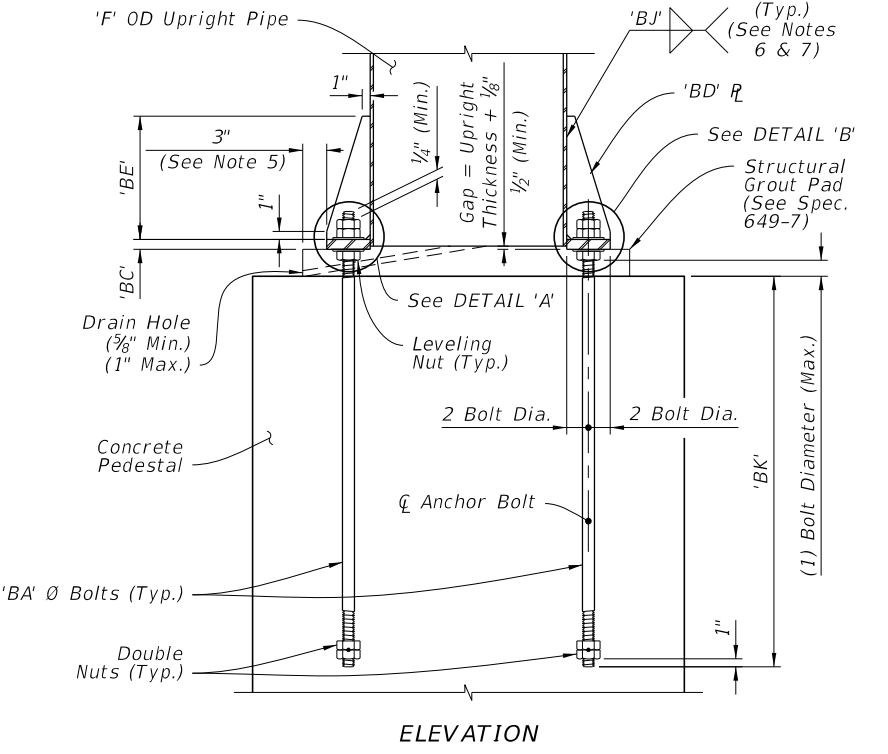
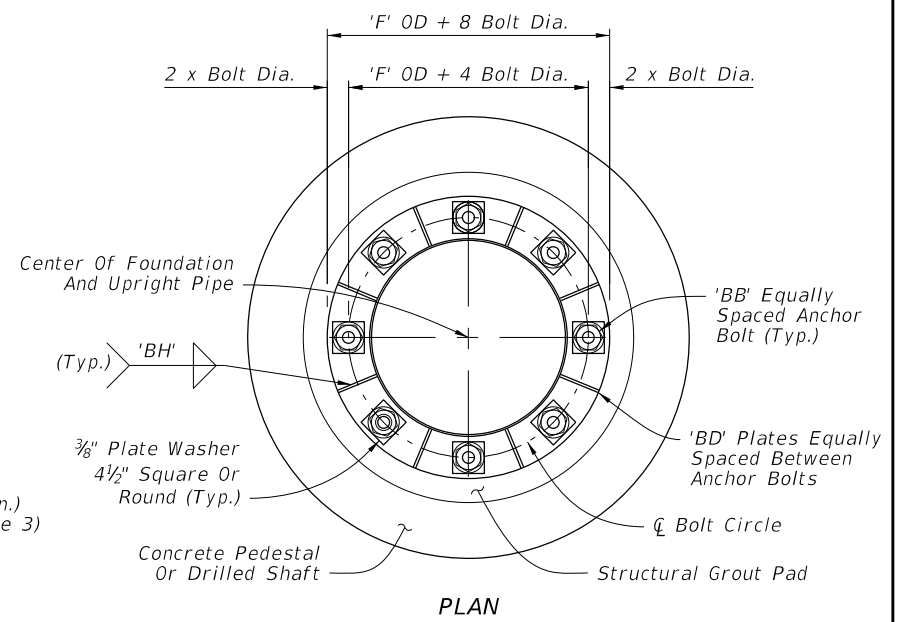
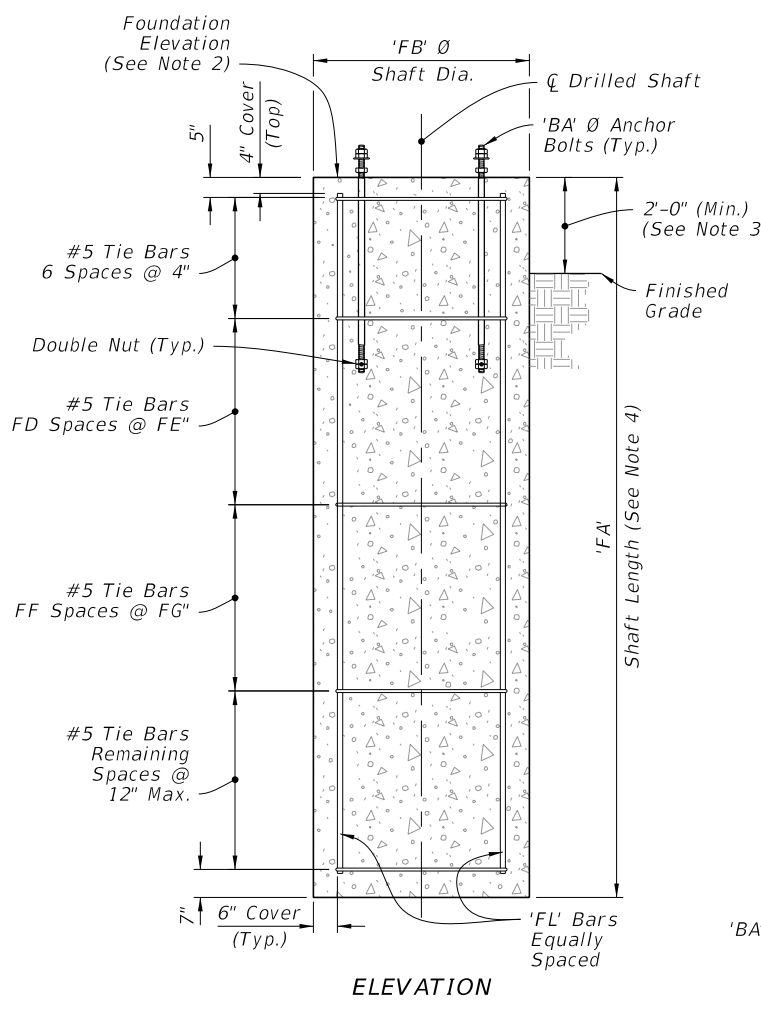
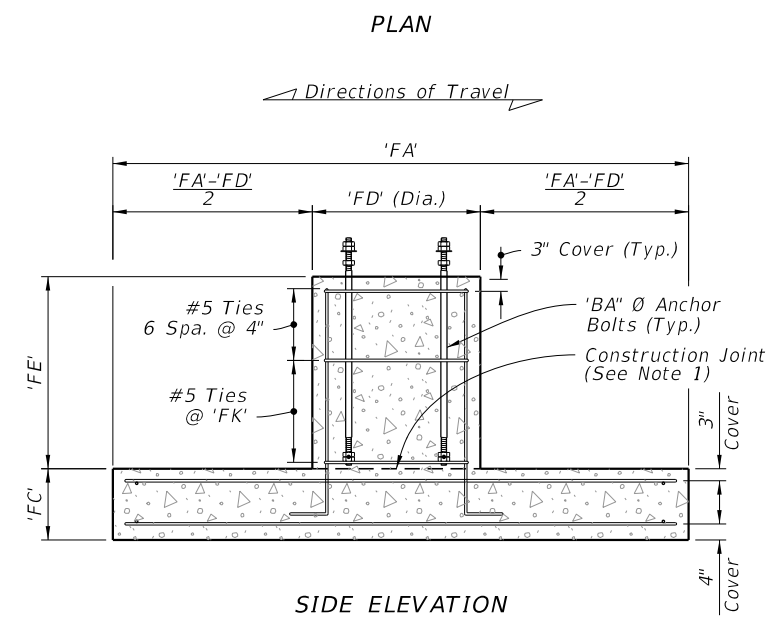
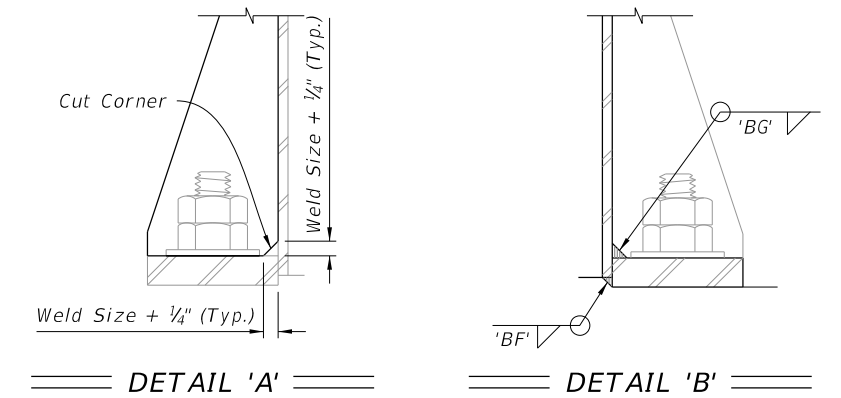
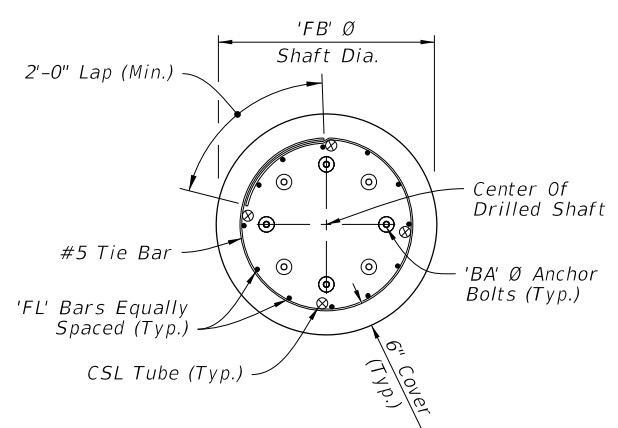
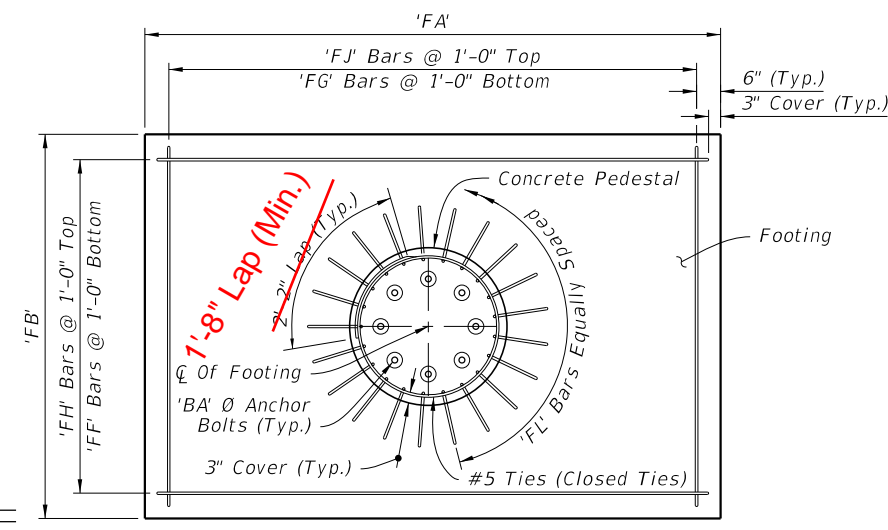
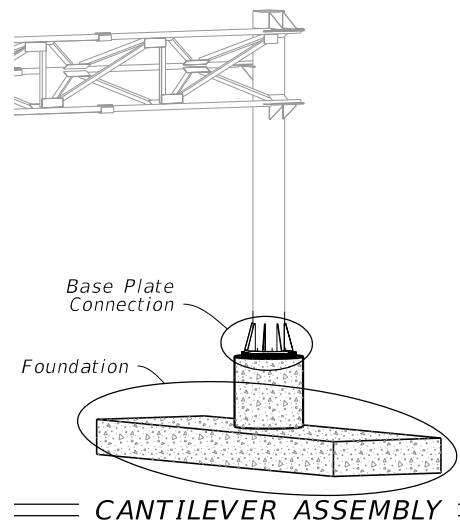
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|-------------------------------------|----------------------------------|
| <input type="checkbox"/>            | Design Bulletin (Interim)        |
| <input type="checkbox"/>            | DCE Memo                         |
| <input type="checkbox"/>            | Program Mgmt. Bulletin           |
| <input checked="" type="checkbox"/> | FY-Standard Plans (Next Release) |

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Contact the Roadway Design Office for assistance in completing this form

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Email to: Rick Jenkins [rick.jenkins@dot.state.fl.us](mailto:rick.jenkins@dot.state.fl.us) and Darren Martin [darren.martin@dot.state.fl.us](mailto:darren.martin@dot.state.fl.us)



**FOUNDATION**

**DRILLED SHAFT (Alternate Foundation)**

**BASE PLATE CONNECTION**

- NOTES:**
- Construction joint allowed, roughen surface to 1/4" minimum amplitude prior to pour.
  - See Traffic Plans for elevation at top of Foundation.
  - Install Drilled Shaft with a 2'-0" minimum from top elevation of the drilled shaft to the finished grade, unless specified otherwise in the plans.
  - The shaft length is based on 2'-0" height above finished grade.
  - Structural Grout Pad dimension may be modified to be less than 3" where the footprint of the Structural Grout Pad does not provide adequate clearance for accessibility considerations.
  - Wrap fillet weld around the stiffener termination on the tube wall.
  - Provide ultrasonic testing for Lamellar Tearing when wall thickness exceeds 1/2"
- After galvanizing, provide magnetic partial testing on 100% of upright fillet welds.**

10/12/2020 9:01:07 AM

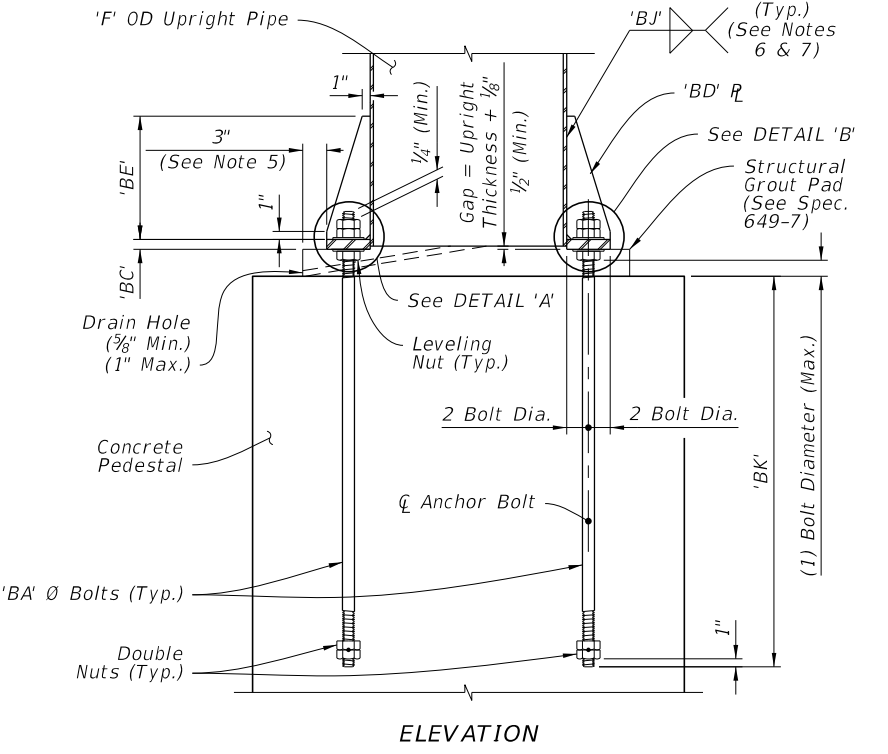
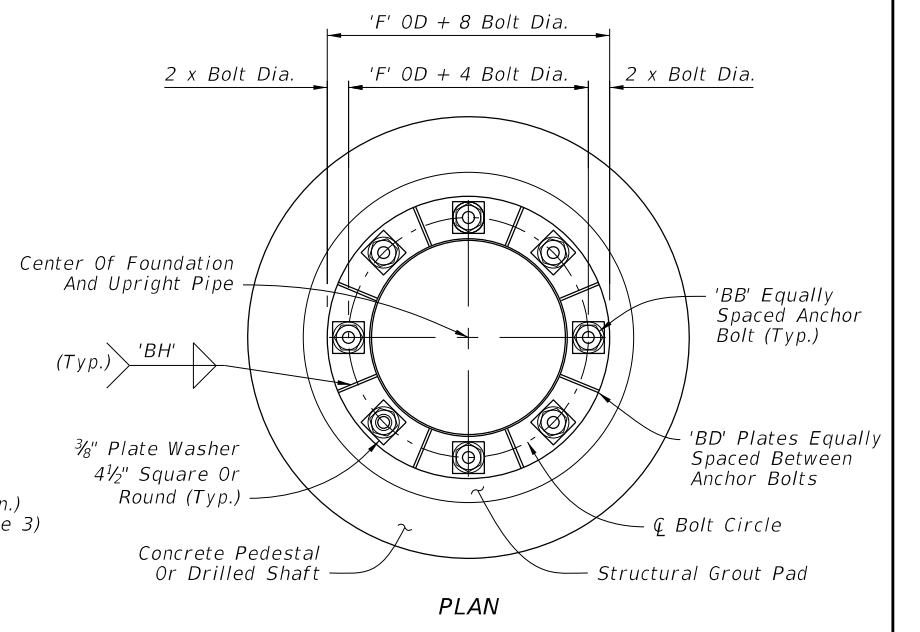
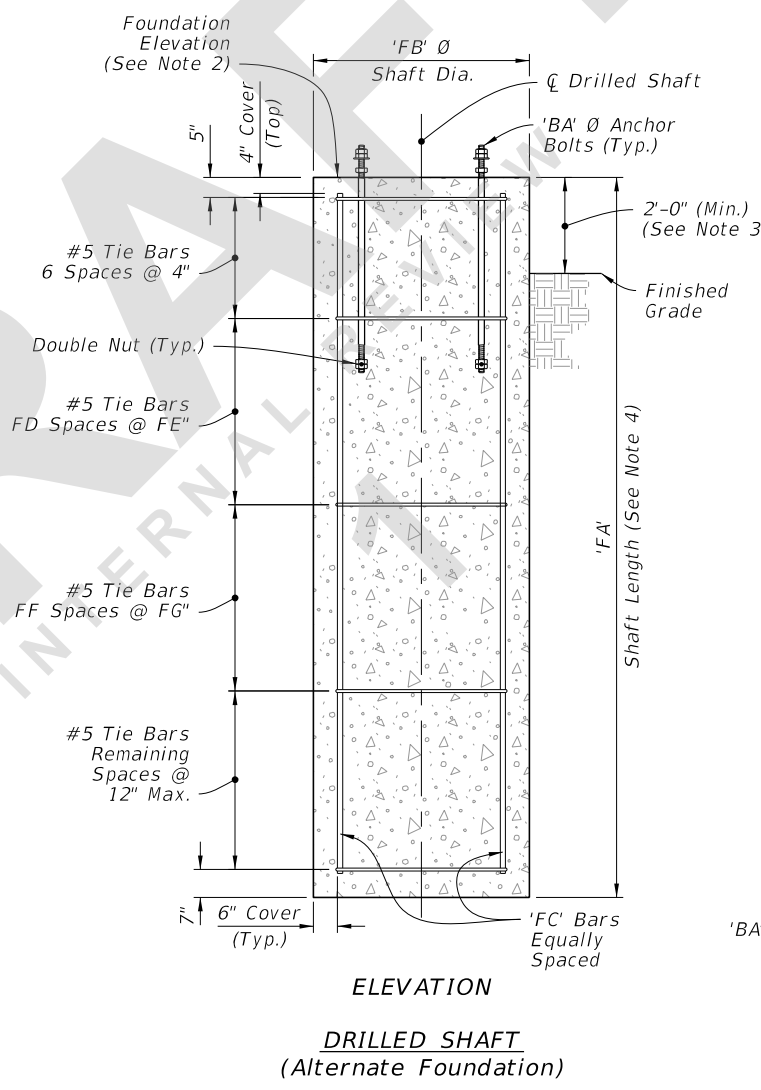
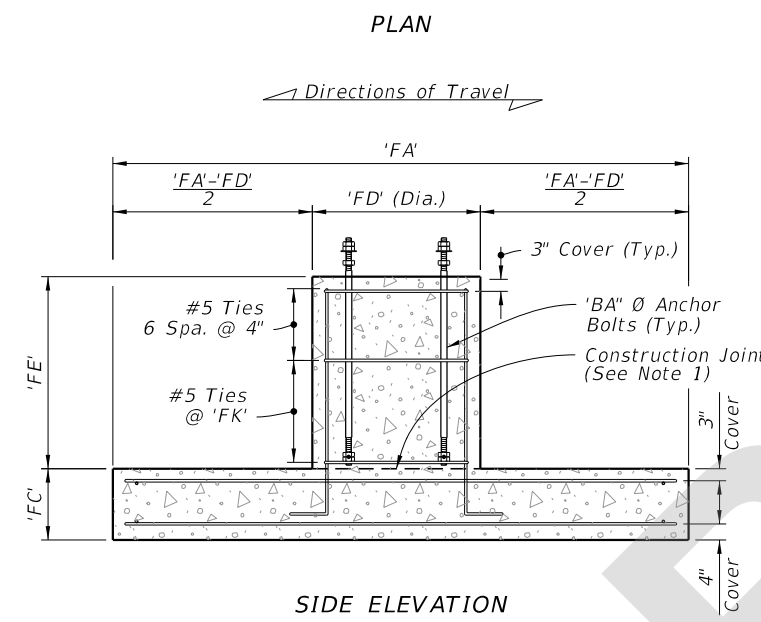
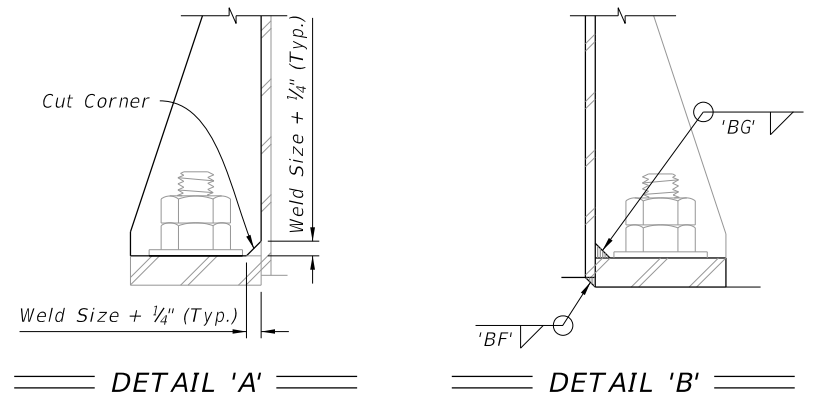
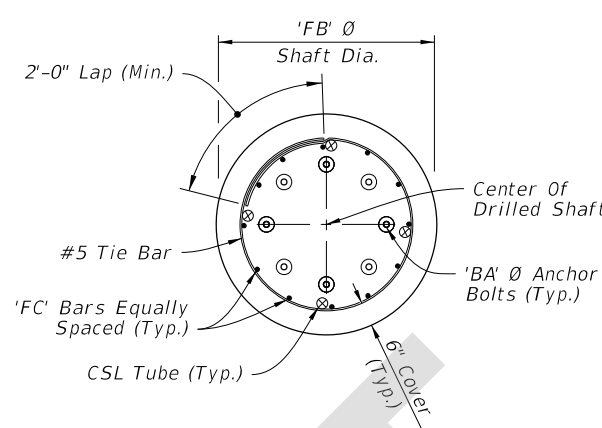
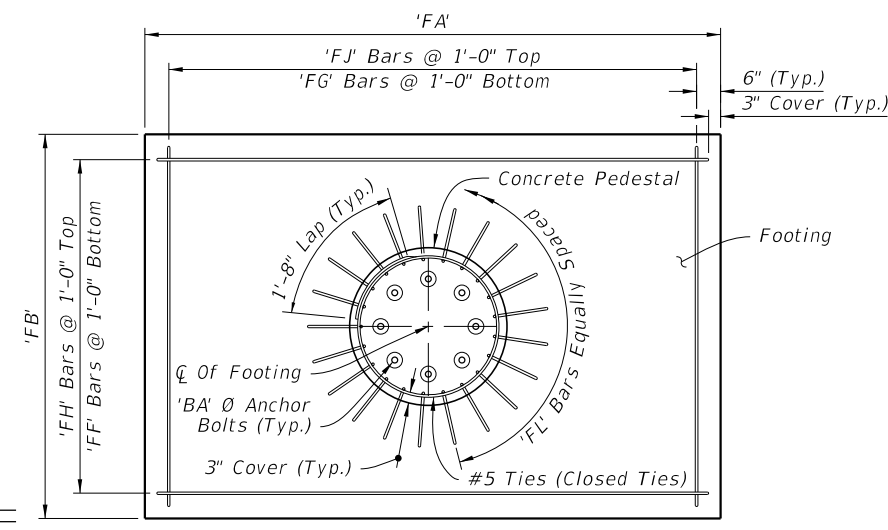
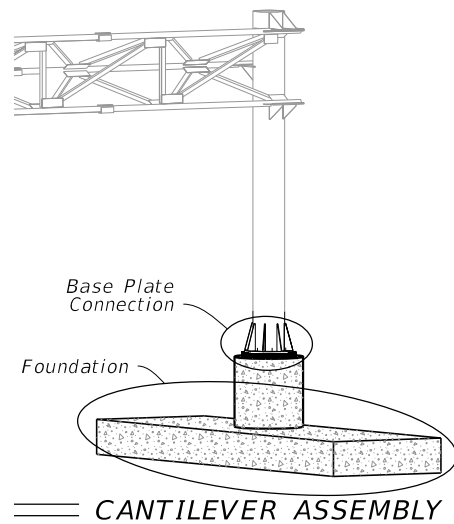
LAST REVISION	DESCRIPTION:
11/01/20	11/01/21

FY 2021-22 **2022-23**

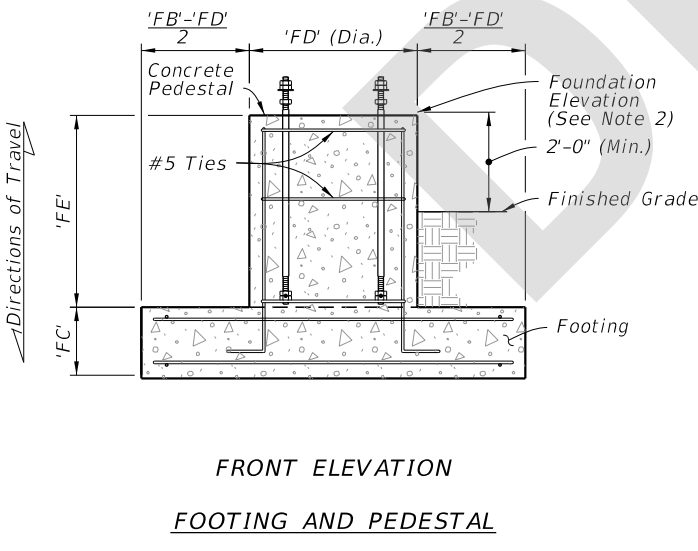
**FDOT** STANDARD PLANS

CANTILEVER SIGN STRUCTURE

INDEX	SHEET
700-040	2 of 5



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**FRONT ELEVATION**  
**FOOTING AND PEDESTAL**

**ELEVATION**  
**DRILLED SHAFT**  
**(Alternate Foundation)**

**FOUNDATION**

**BASE PLATE CONNECTION**

8/5/2021 4:01:06 PM

LAST REVISION 11/01/21	REVISION	DESCRIPTION:	 FY 2022-23 STANDARD PLANS	<b>CANTILEVER SIGN STRUCTURE</b>	INDEX 700-040	SHEET 2 of 5
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