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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: 700-041  
Sheet Number (s): 2 of 5  
Index Title: Span Sign Structure

**Summary of the changes:**

Revised Note 5 to read "After galvanizing, provide magnetic particle testing on 100% of upright fillet welds."

**Commentary / Background:**

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.

**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:**

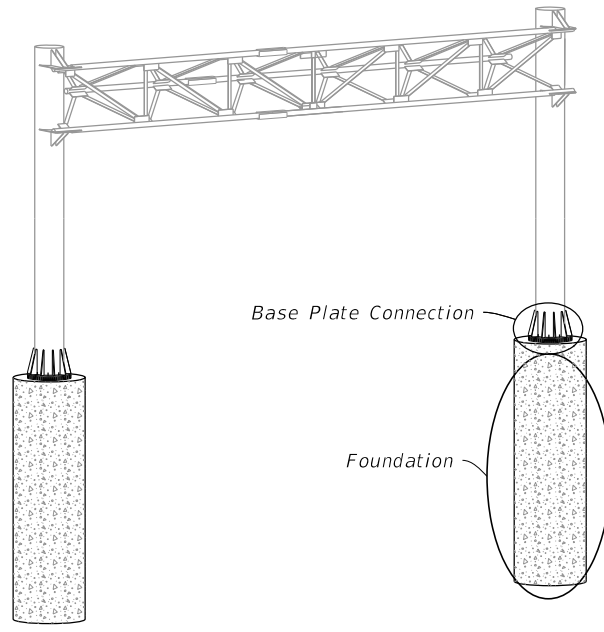
- |                                     |                                  |
|-------------------------------------|----------------------------------|
| <input type="checkbox"/>            | Design Bulletin (Interim)        |
| <input type="checkbox"/>            | DCE Memo                         |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

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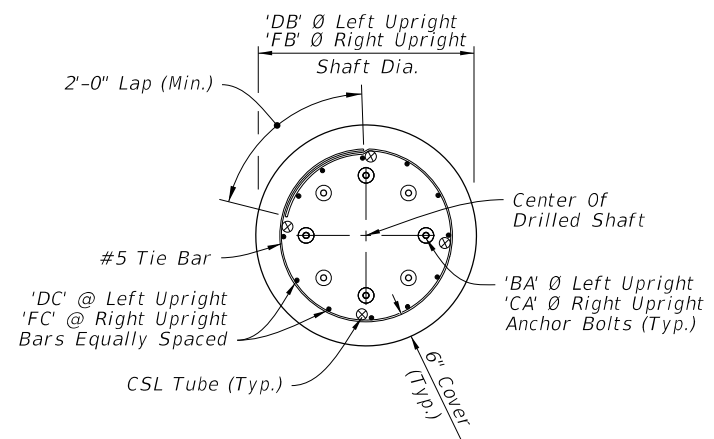
Contact the Roadway Design Office for assistance in completing this form

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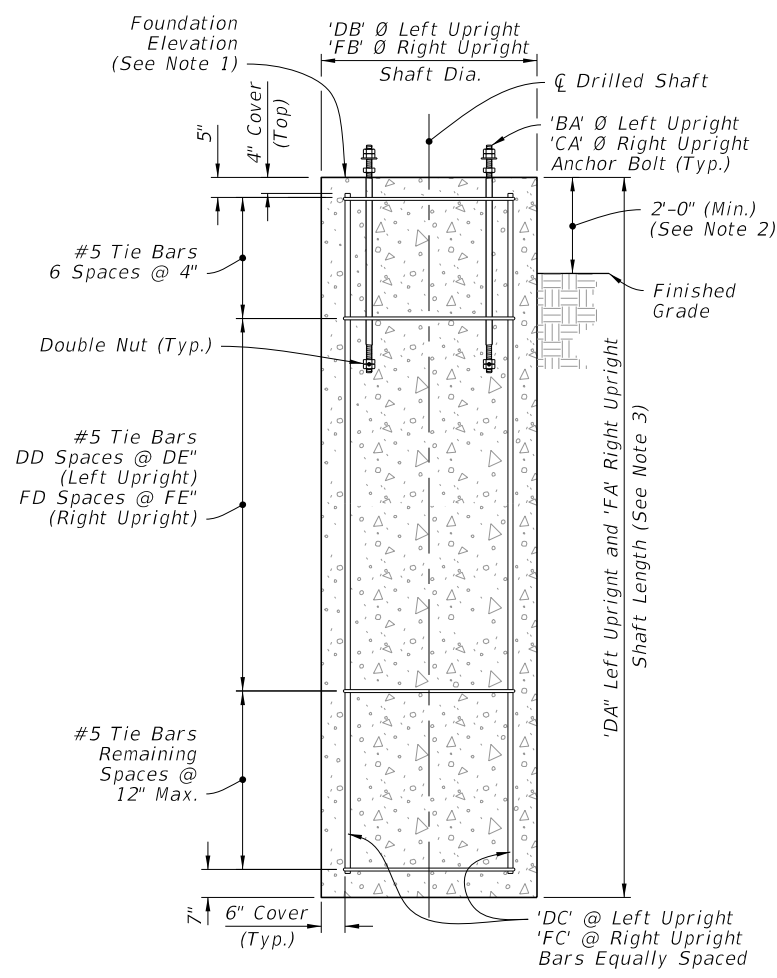
Email to: Rick Jenkins [rick.jenkins@dot.state.fl.us](mailto:rick.jenkins@dot.state.fl.us) and Darren Martin [darren.martin@dot.state.fl.us](mailto:darren.martin@dot.state.fl.us)



SPAN SIGN ASSEMBLY



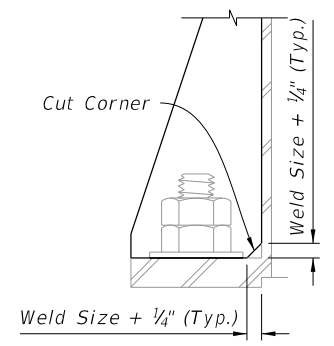
PLAN



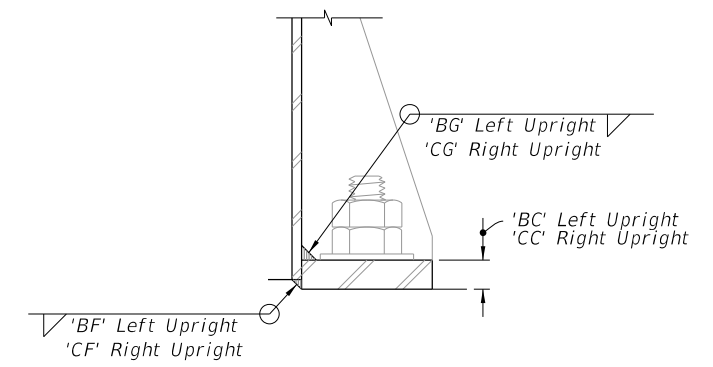
ELEVATION

DRILLED SHAFT

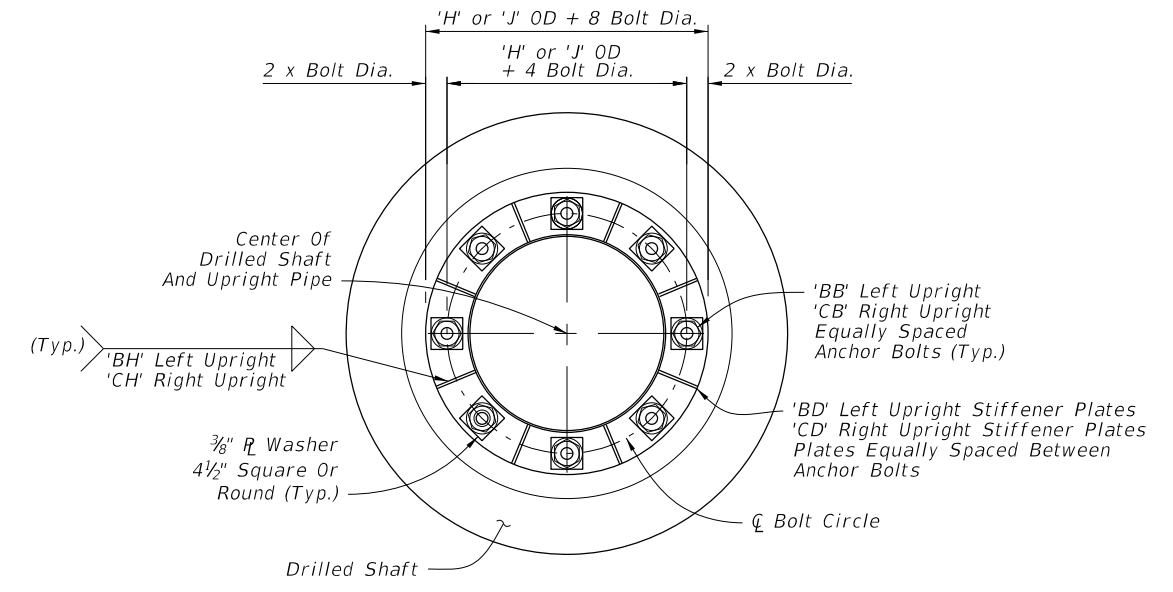
FOUNDATION



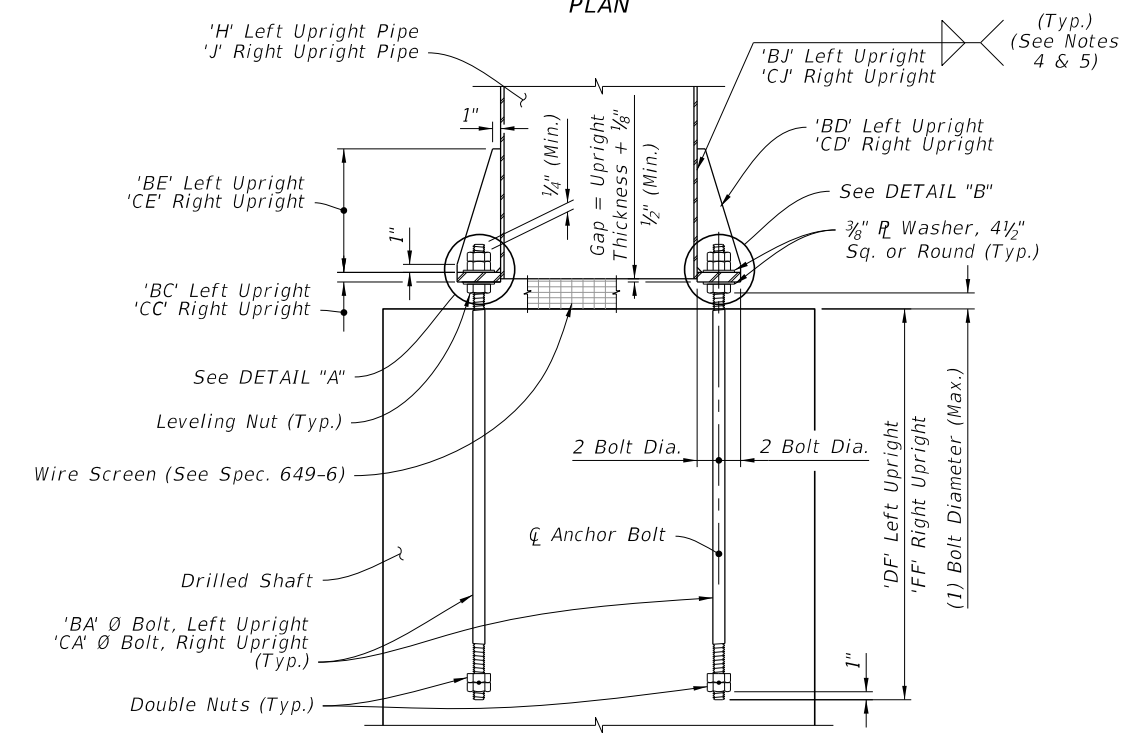
DETAIL "A"



DETAIL "B"



PLAN



ELEVATION

BASE PLATE CONNECTION

NOTES:

1. See Traffic Plans for elevation at top of Foundation.
2. Install Drilled Shaft with a 2'-0" minimum from top elevation of the drill shaft to the finished grade, unless specified otherwise in the plans.
3. The shaft length is based on 2'-0" height above finished grade.
4. Wrap fillet weld around the stiffener termination on the tube wall (Typ).
5. ~~Provide ultrasonic testing for Lamellar Tearing when wall thickness exceeds 1/2"~~

After galvanizing, provide magnetic particle testing on 100% of upright fillet welds.

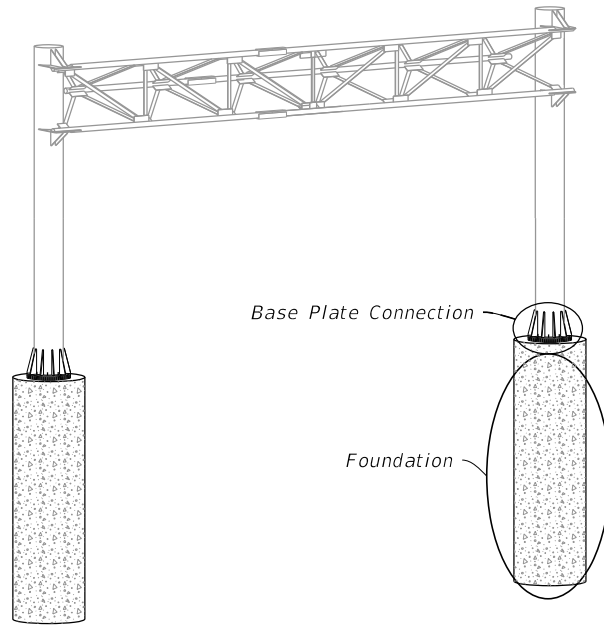
10/12/2020 9:01:48 AM

LAST REVISION	DESCRIPTION:
<del>11/01/20</del>	11/01/21

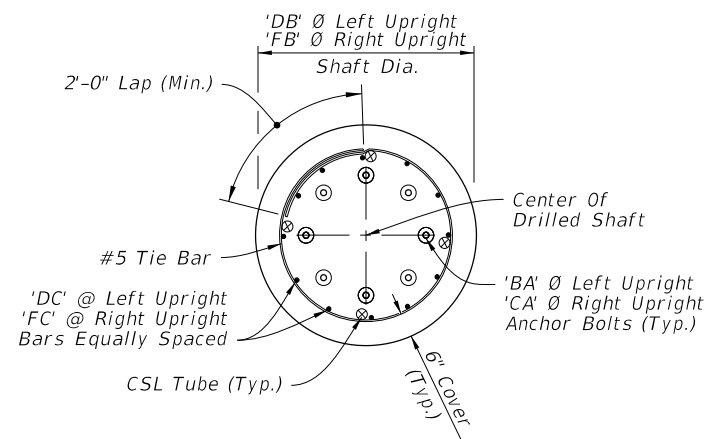
FY ~~2021-22~~ 2022-23  
 STANDARD PLANS

SPAN SIGN STRUCTURE

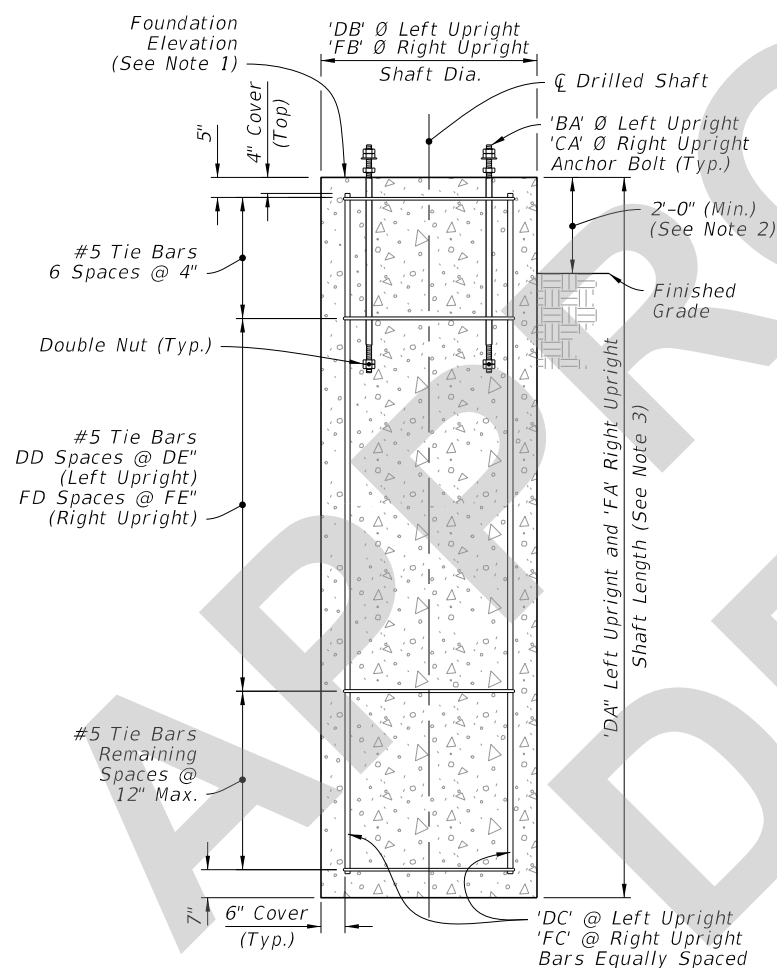
INDEX	SHEET
700-041	2 of 5



SPAN SIGN ASSEMBLY



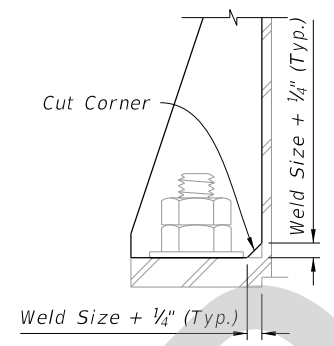
PLAN



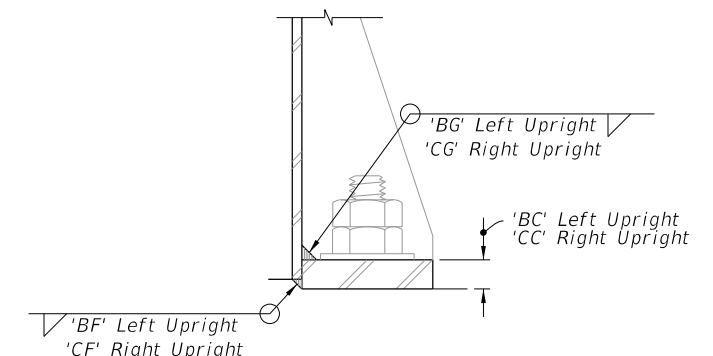
ELEVATION

DRILLED SHAFT

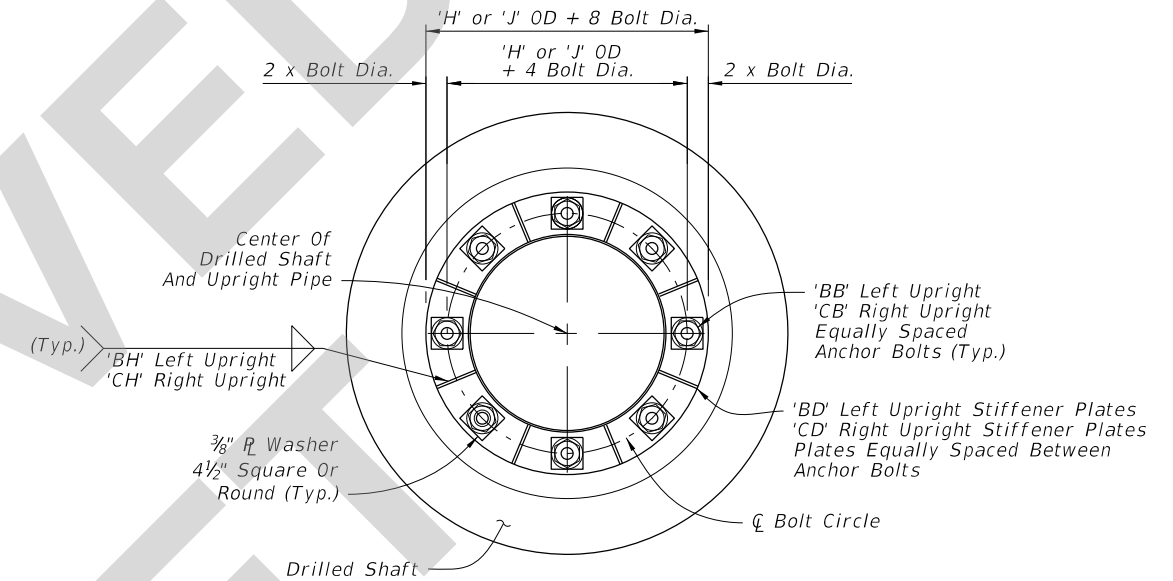
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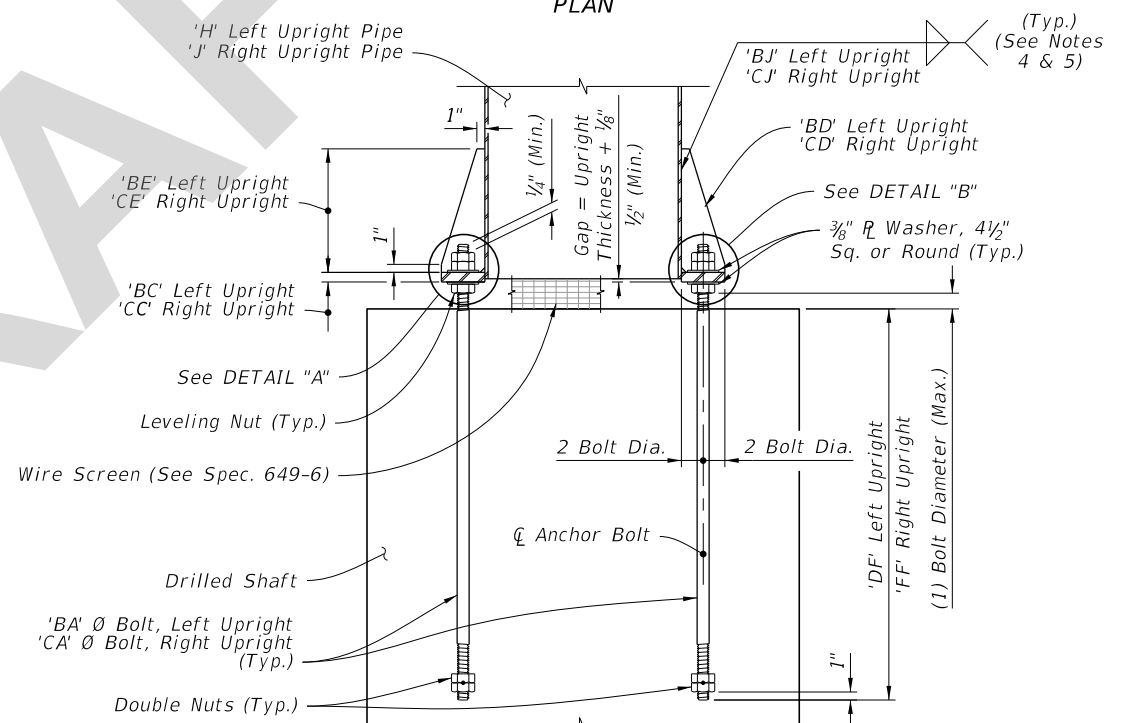
DETAIL "A"



DETAIL "B"



PLAN



ELEVATION

BASE PLATE CONNECTION

- NOTES:**
1. See Traffic Plans for elevation at top of Foundation.
  2. Install Drilled Shaft with a 2'-0" minimum from top elevation of the drill shaft to the finished grade, unless specified otherwise in the plans.
  3. The shaft length is based on 2'-0" height above finished grade.
  4. Wrap fillet weld around the stiffener termination on the tube wall (Typ).
  5. After galvanizing, provide magnetic particle testing on 100% of upright fillet welds.

8/30/2021 1:52:00 PM

LAST REVISION 11/01/21	DESCRIPTION:		FY 2022-23 STANDARD PLANS	SPAN SIGN STRUCTURE	INDEX	SHEET
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