
ORIGINATION FORM

Proposed Revisions to a Standard Plans Index

(Please provide all information — Incomplete forms will be returned)

Contact Information:

Date: July 6, 2022
Originator: Joshua Turley
Phone: (850) 414-4475
Email: joshua.turley@dot.state.fl.us

Standard Plans:

Index Number: 700-041
Sheet Number (s): 2, 3, and 4 of 5
Index Title: Span Sign Structure

Summary of the changes:

- Sheet 2: Changed dimension 'DF' extents in Base Plate Connection detail to match calcs.
- Sheet 3: Updated linework on Section A-A to correctly reflect correct geometry.
- Sheet 4: Update member orientations in Truss Front Elevation to reflect correct geometry.

Commentary / Background:

Updating for errors and clarity.

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: (Submit package to Rick Jenkins)

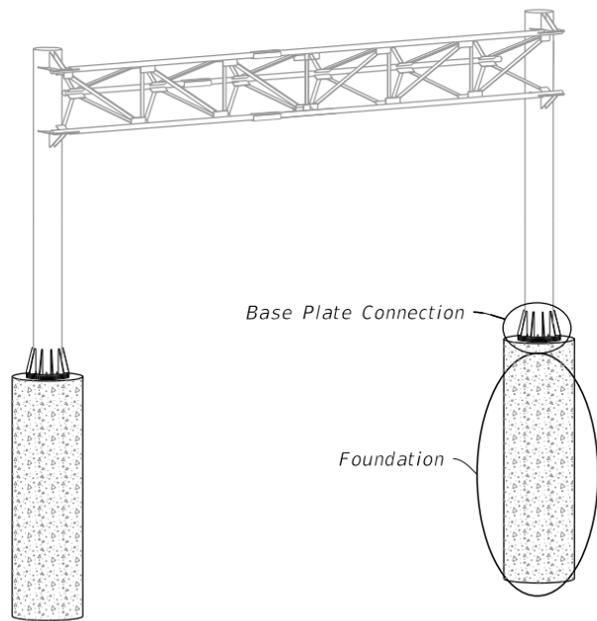
- | Yes | N/A | |
|-------------------------------------|--------------------------|---|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Redline Mark-ups |
| <input type="checkbox"/> | <input type="checkbox"/> | Revised or Proposed Standard Plan Instruction (SPI) |
| <input type="checkbox"/>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

Implementation:

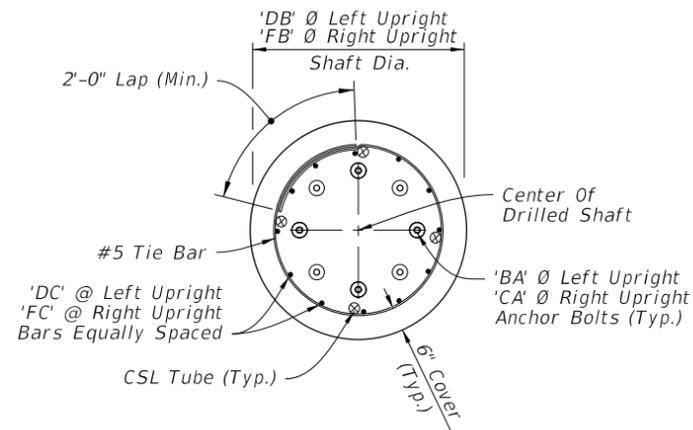
- Design Bulletin (Interim)
- DCE Memo
- Program Mgmt. Bulletin
- FY-Standard Plans (Next Release)

Contact the Roadway Design Office for assistance in completing this form

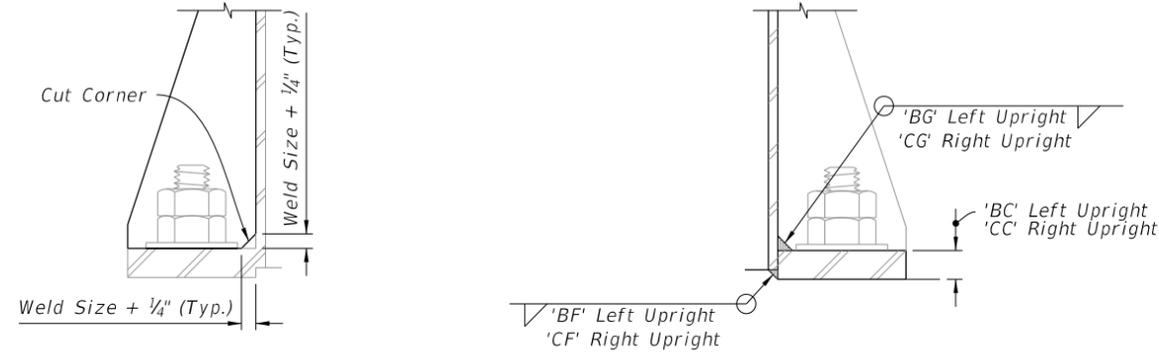
Email to: Rick Jenkins rick.jenkins@dot.state.fl.us and Darren Martin darren.martin@dot.state.fl.us



SPAN SIGN ASSEMBLY

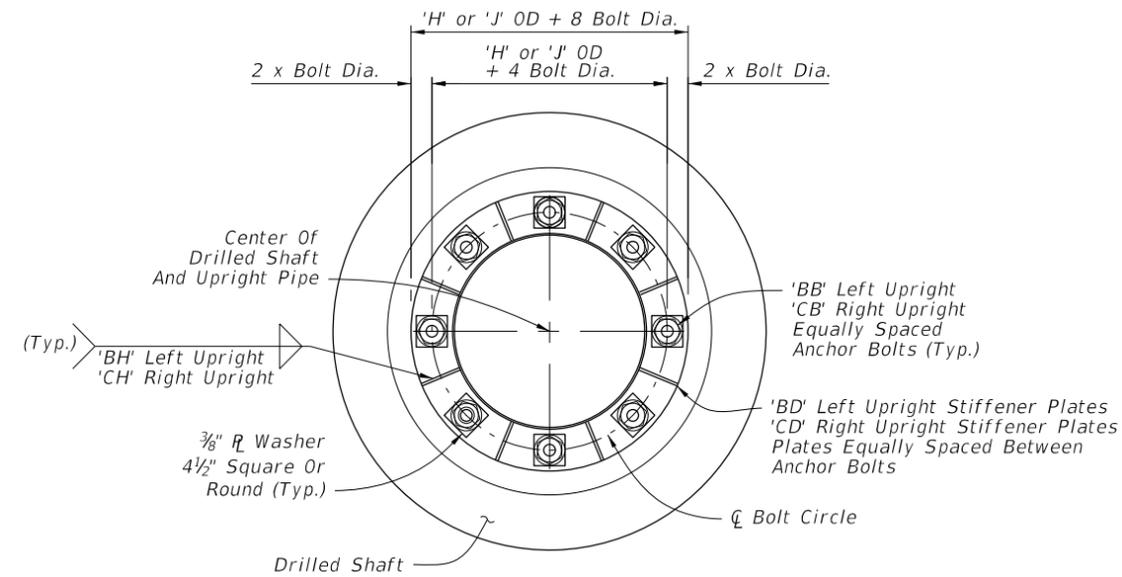


PLAN



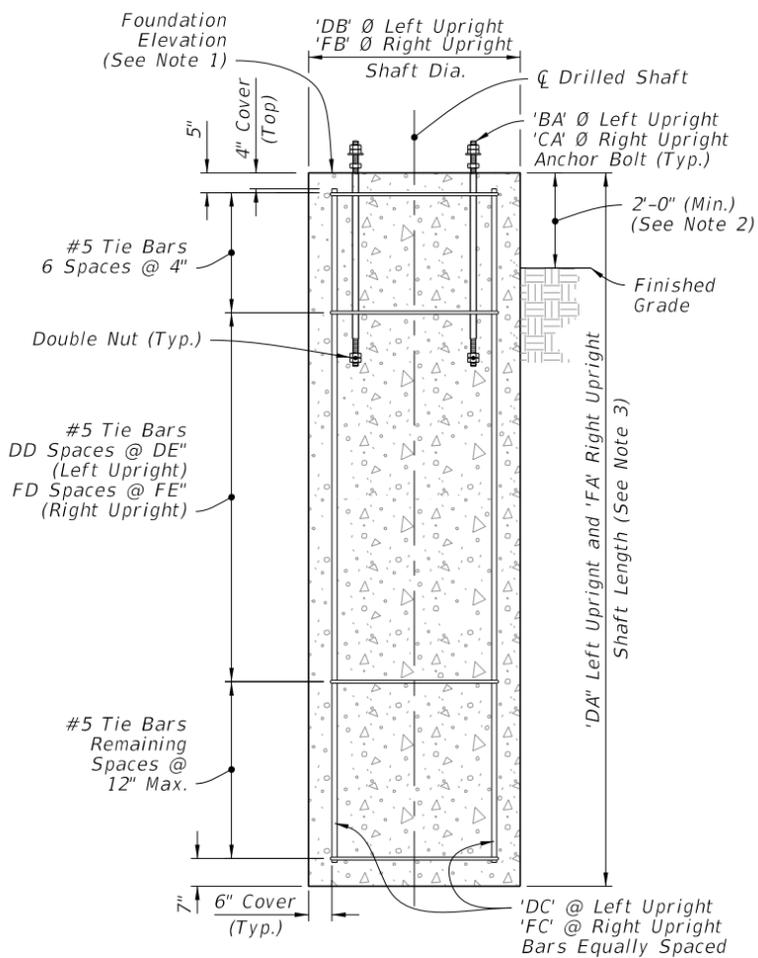
DETAIL "A"

DETAIL "B"



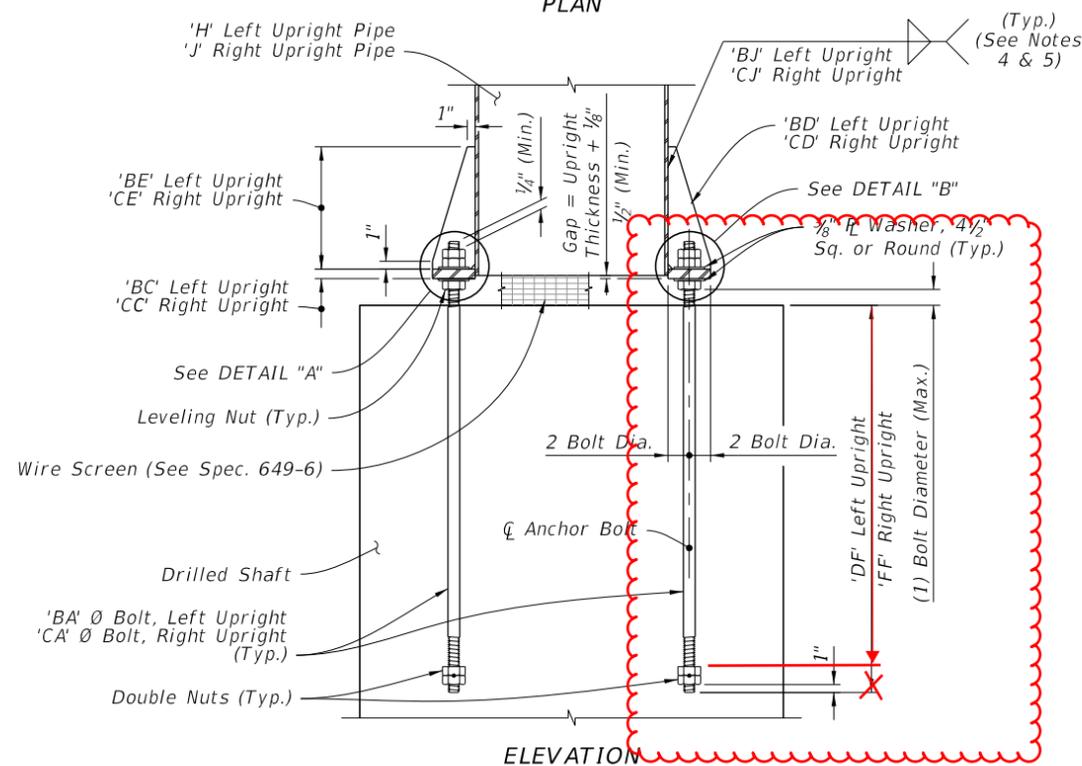
PLAN

- 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.



ELEVATION

DRILLED SHAFT

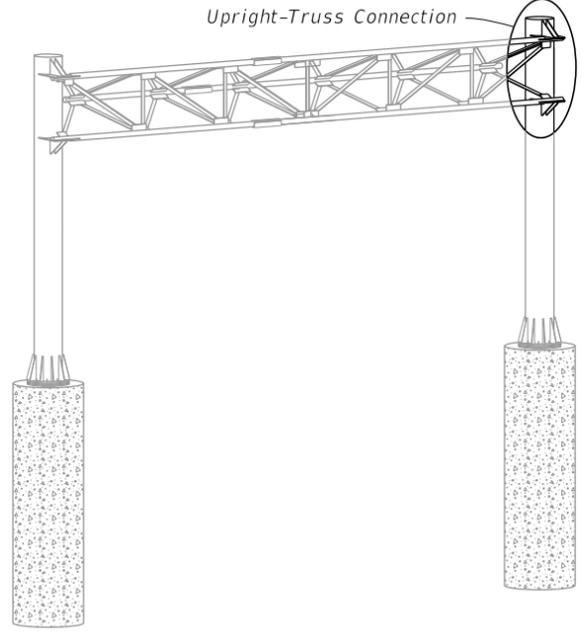


ELEVATION

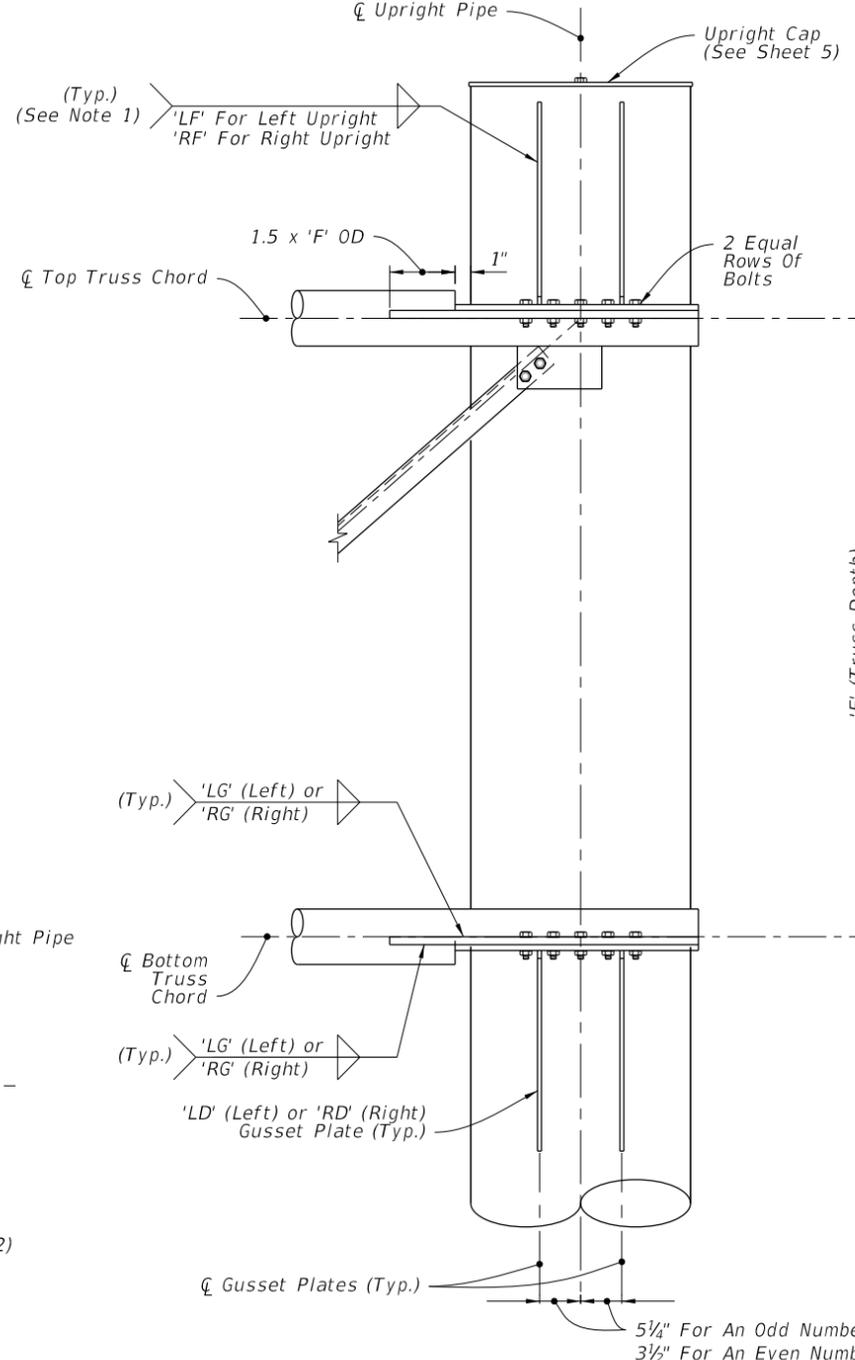
BASE PLATE CONNECTION

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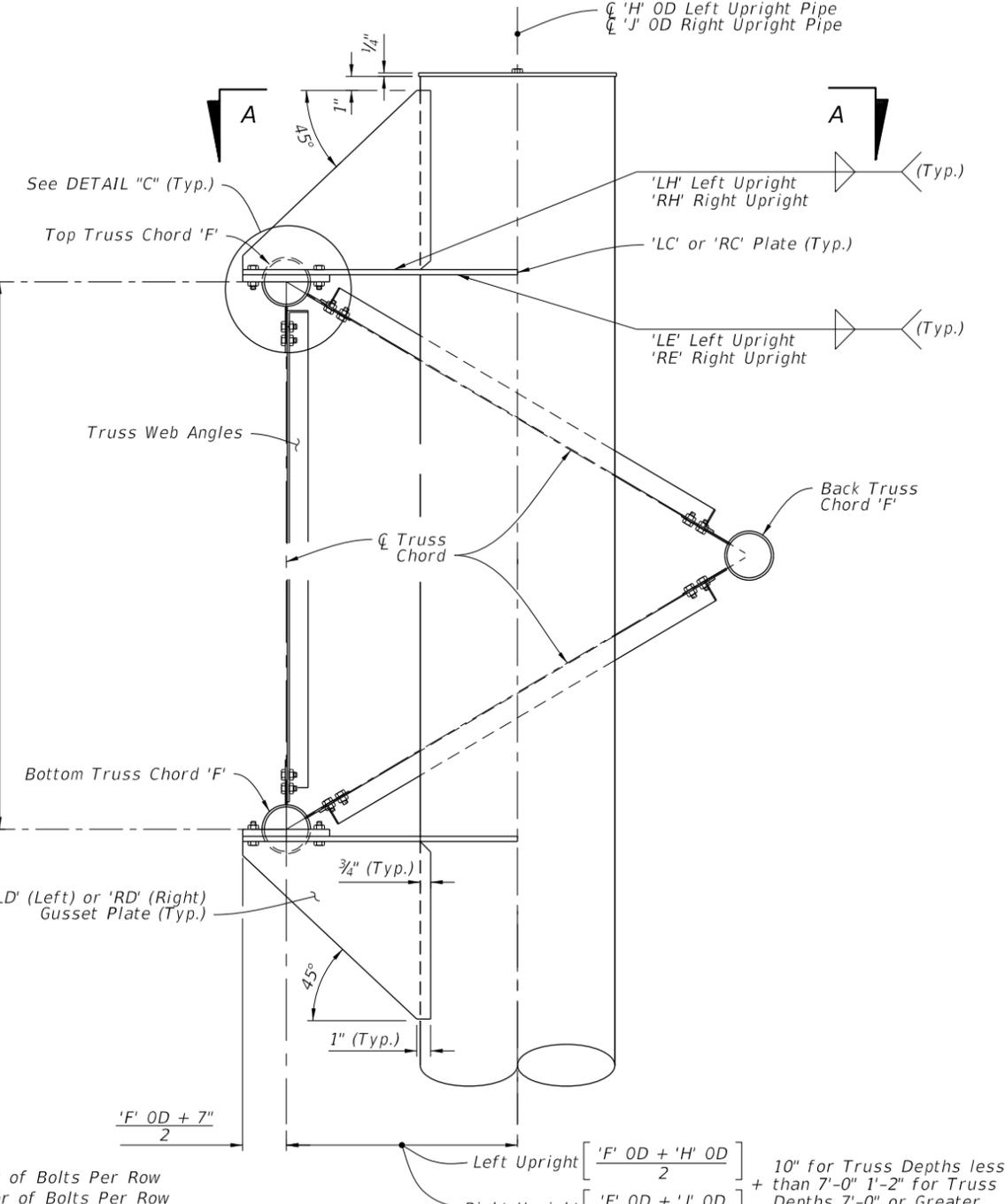
LAST REVISION	DESCRIPTION:
11/01/21	← 11/01/22



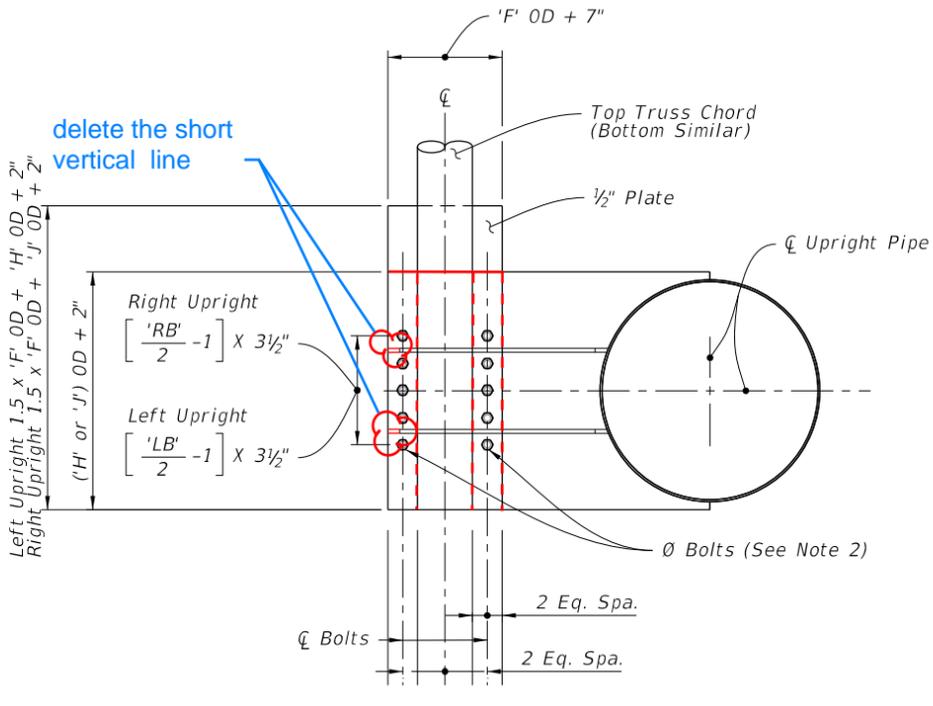
SPAN SIGN ASSEMBLY



FRONT ELEVATION

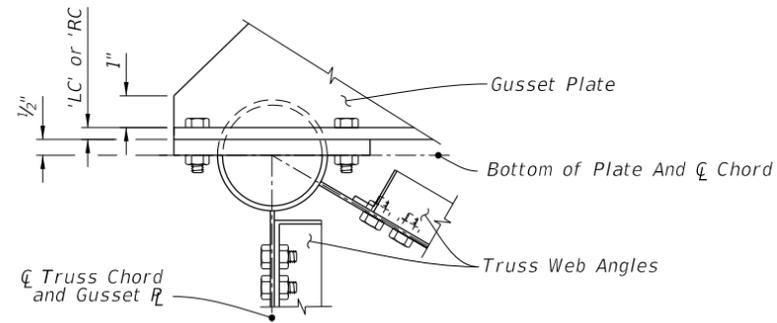


SIDE ELEVATION



SECTION A-A

(With Gusset Plates And Web Angles Omitted For Clarity)



DETAIL "C"

UPRIGHT-TRUSS CONNECTION DETAIL

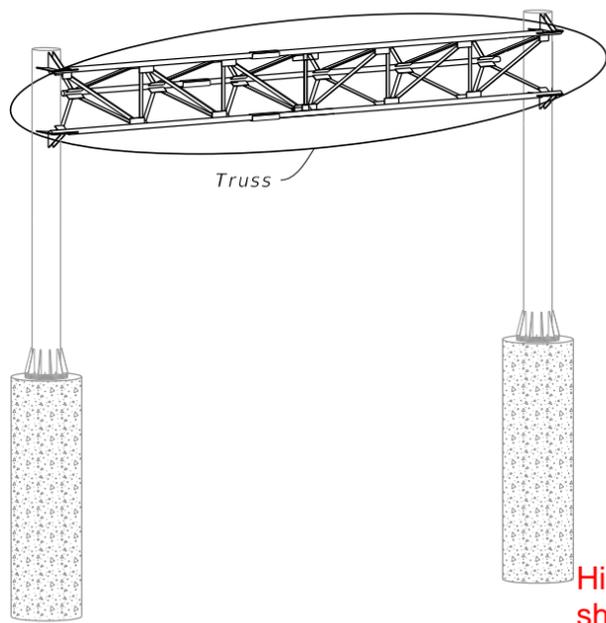
(Web Members From Back Truss Chord Omitted For Clarity, See Note 3)

NOTES:

1. Wrap fillet weld around the stiffener termination on the tube wall.
2. Truss Chord Bolts: 'LB' or 'RB' Hex Head Bolts 'LA' or 'RA' Ø.
3. Right Upright Truss connection shown, Left Upright Truss connection similar.

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LAST REVISION	DESCRIPTION:
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11/01/22	



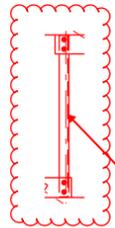
SPAN SIGN ASSEMBLY

NOTES:

1. Out-of-plane members are not shown for clarity.
2. Back truss chord and attached angles are not shown for clarity.
3. Wrap fillet weld around plate termination on the tube wall.

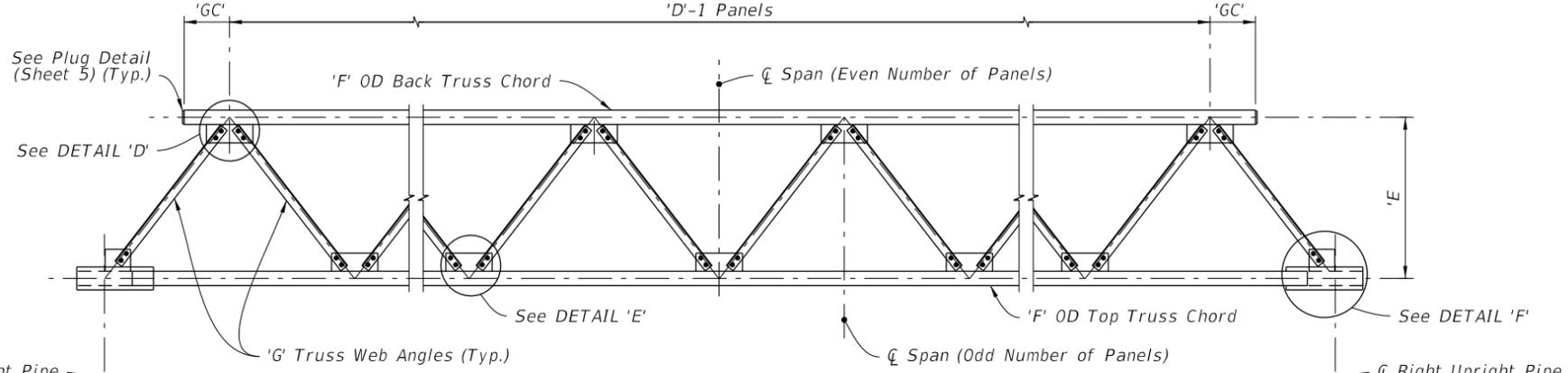
Bolt Diameter (in.)	Distance (in.)	
	EA	EB
1 1/4	4 3/8	2 1/4
1	3 1/2	1 3/4
7/8	3	1 1/2
3/4	2 1/2	1 1/4
5/8	2 1/4	1 1/8

Highlighted members should be flipped to mirror the right half of the truss.

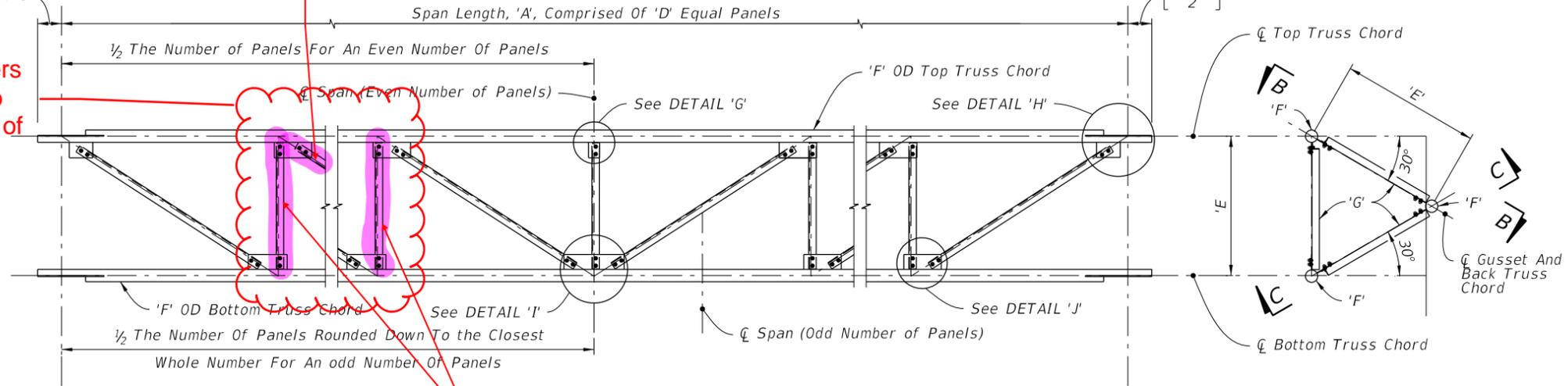


Flip angle leg to be on top

Angle leg should be on the right side



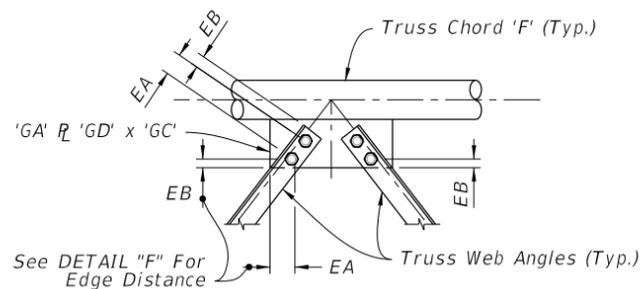
Section B-B (Section C-C Similar)
(See Note 1)



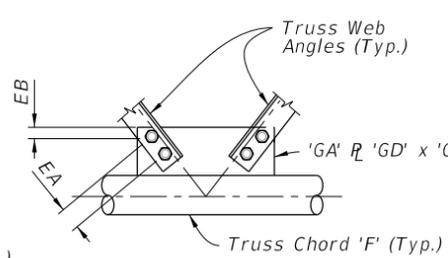
FRONT ELEVATION
(See Note 2)

SIDE ELEVATION

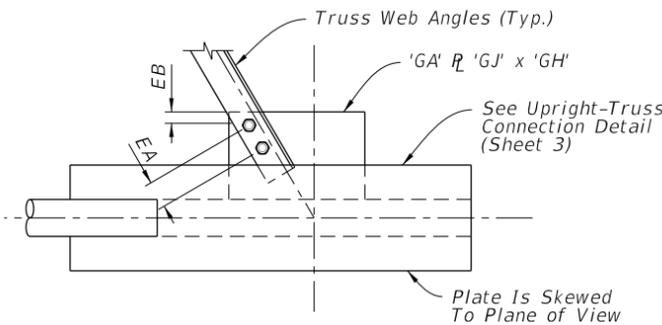
TRUSS



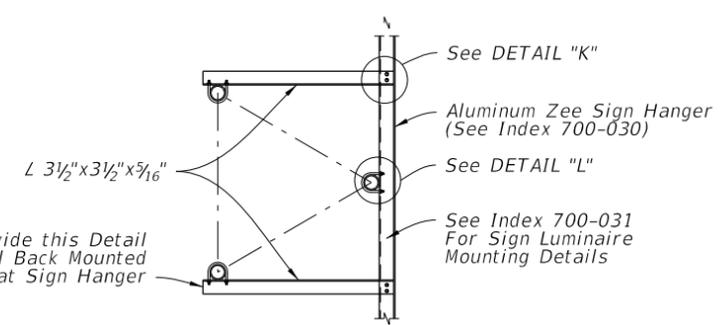
DETAIL 'D'



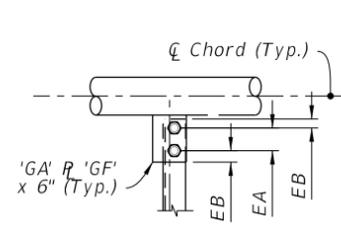
DETAIL 'E'



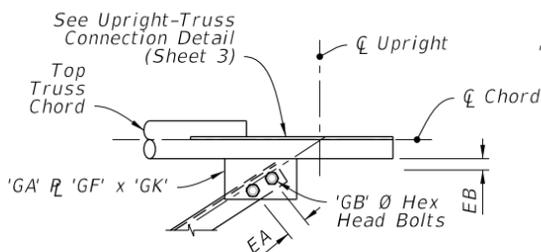
DETAIL 'F'



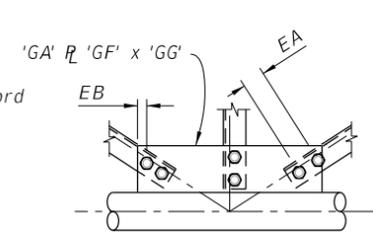
BACK-SIDE SIGN MOUNTING



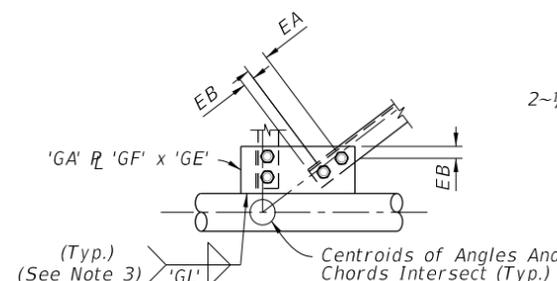
DETAIL 'G'



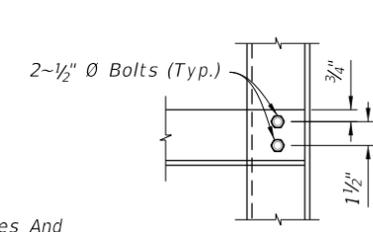
DETAIL 'H'



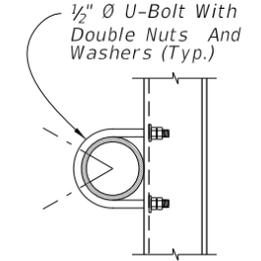
DETAIL 'I'



DETAIL 'J'



DETAIL 'K'



DETAIL 'L'

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LAST REVISION	DESCRIPTION:
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11/01/22	11/01/22

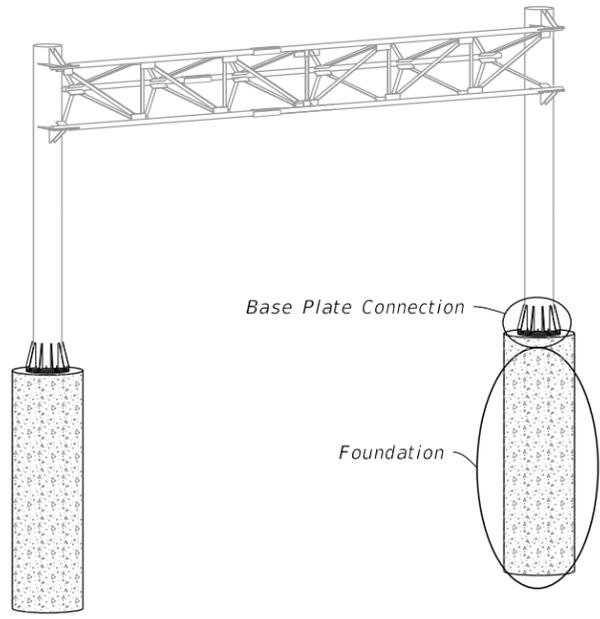


FY 2022-23
STANDARD PLANS

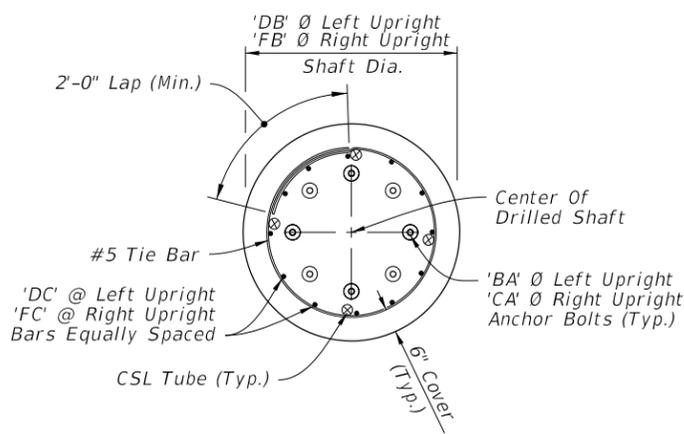
SPAN SIGN STRUCTURE

INDEX
700-041

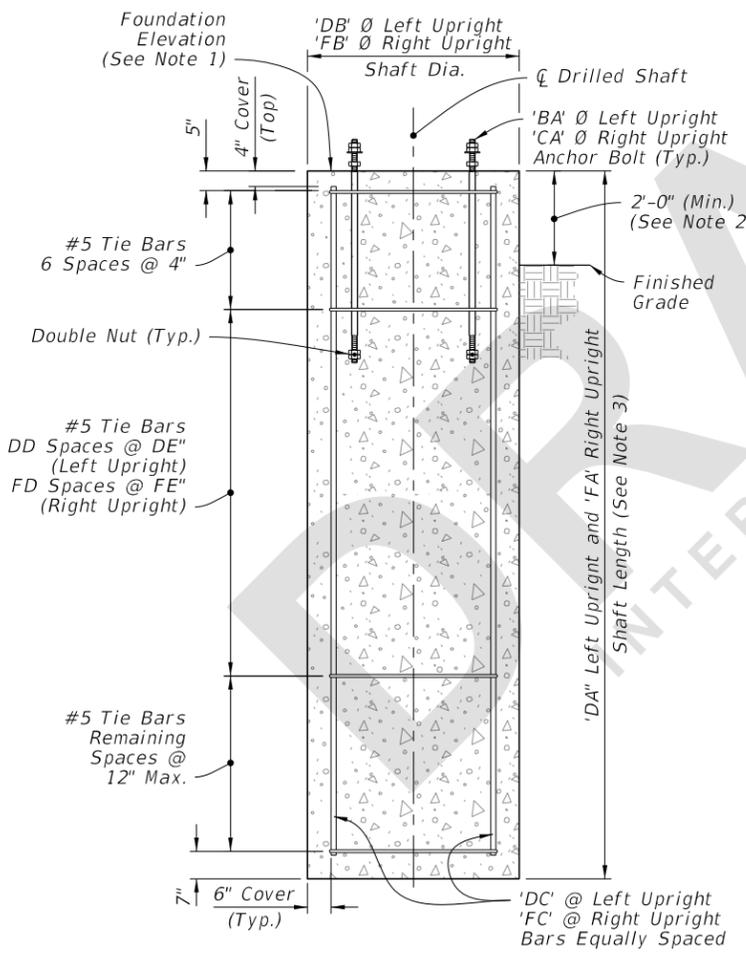
SHEET
4 of 5



SPAN SIGN ASSEMBLY



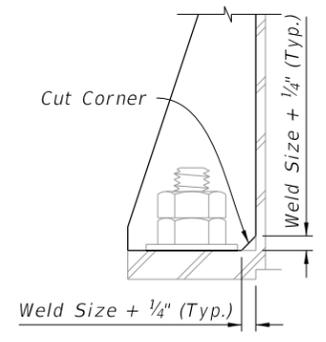
PLAN



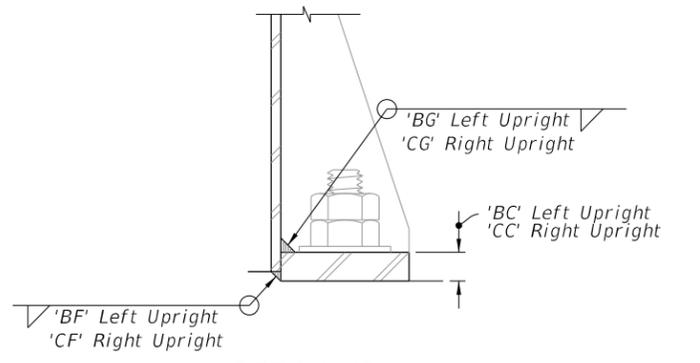
ELEVATION

DRILLED SHAFT

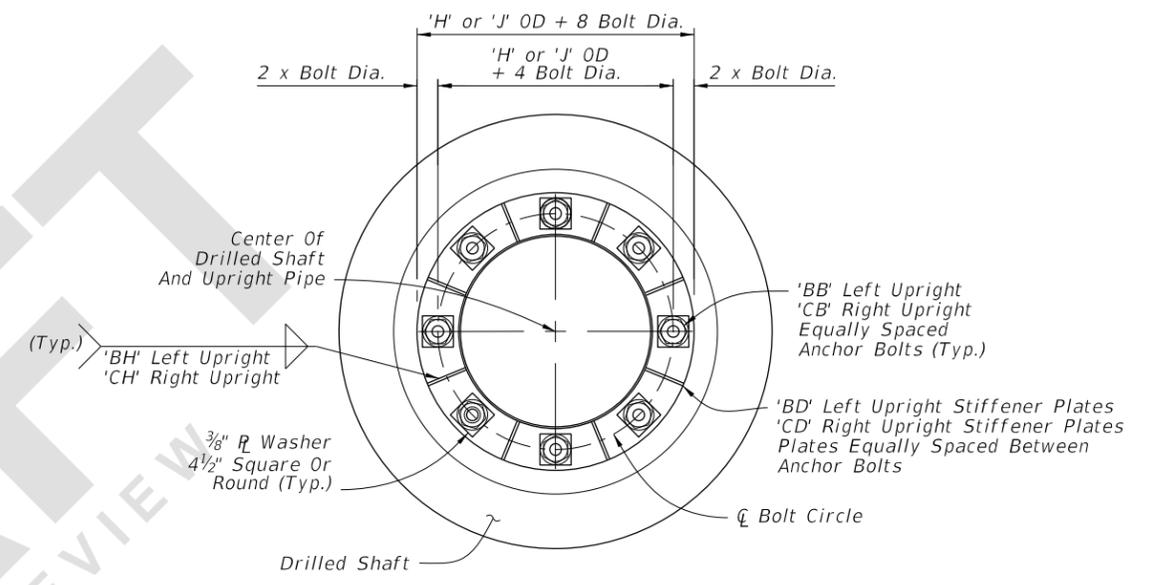
FOUNDATION



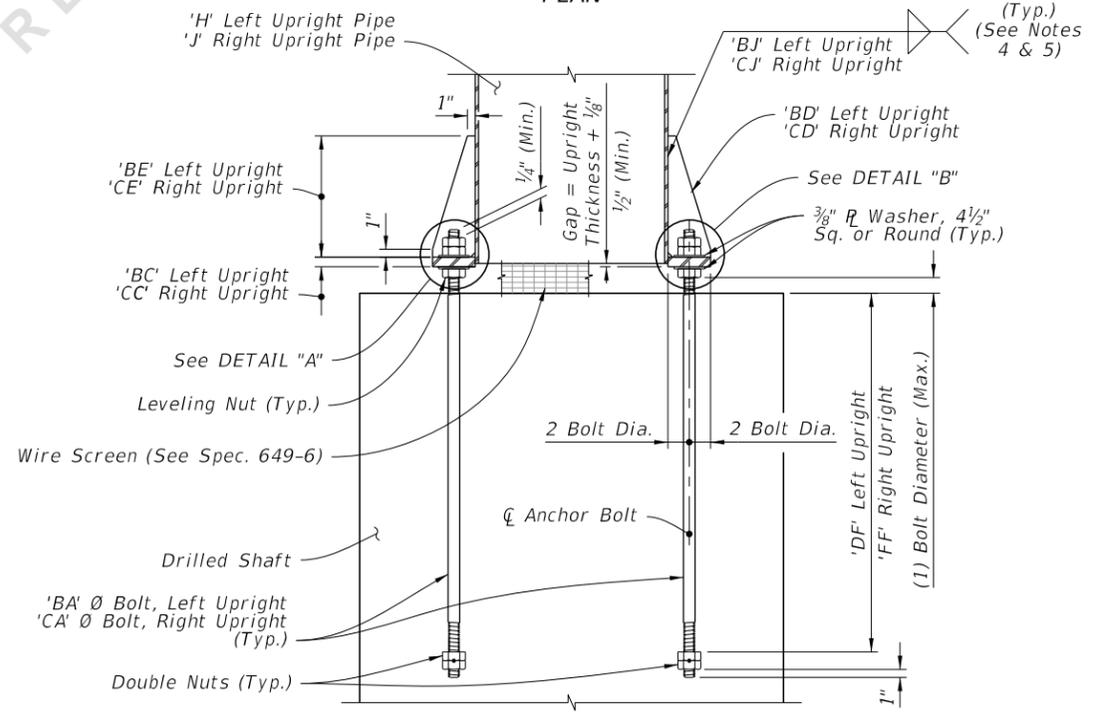
DETAIL "A"



DETAIL "B"



PLAN



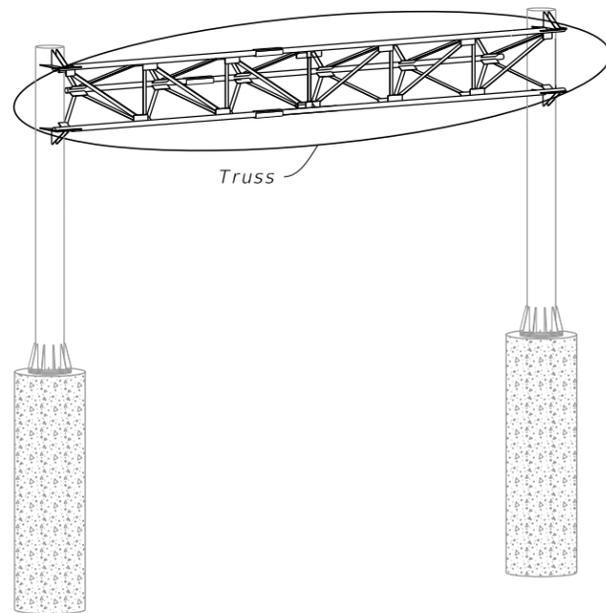
ELEVATION

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. After galvanizing, provide magnetic particle testing on 100% of upright fillet welds.
 6. Weld plates 'BD' and 'CD' in a star pattern. A star pattern is one in which the plates on opposite and near opposite sides of the pole circle are successively welded in a pattern resembling a star. For an 8 plate circle with plates sequentially numbered 1 to 8, weld the plates in the following order: (1, 5, 7, 3, 8, 4, 6, 2).

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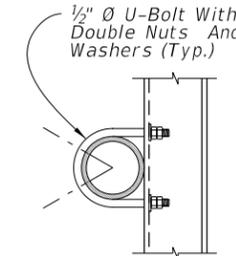
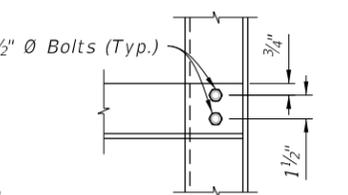
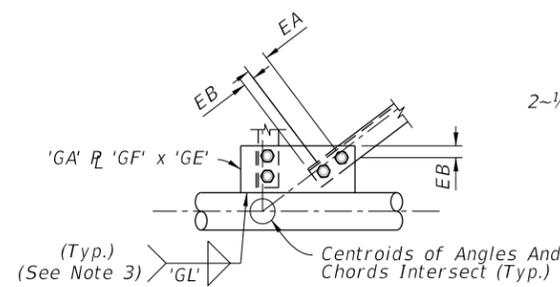
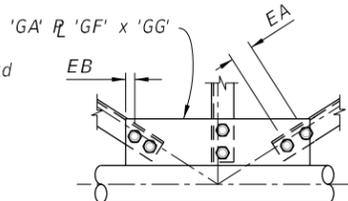
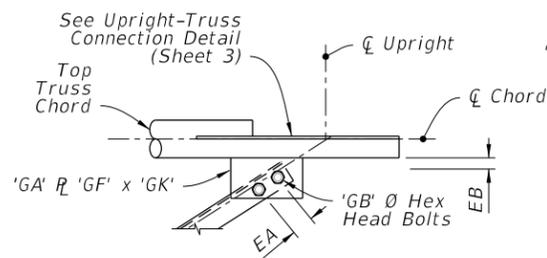
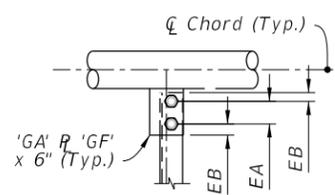
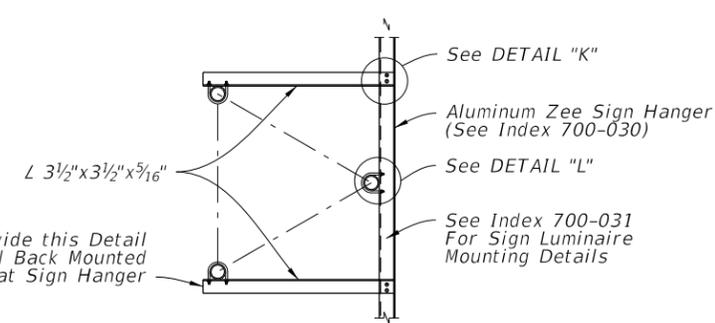
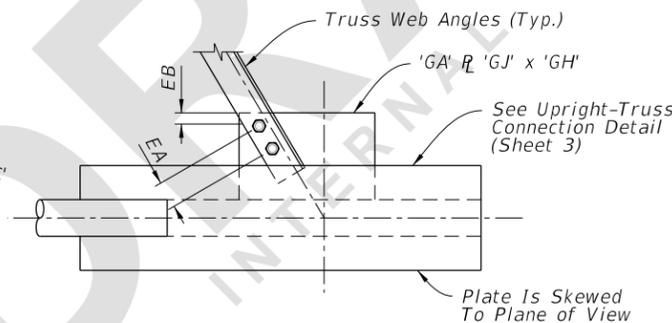
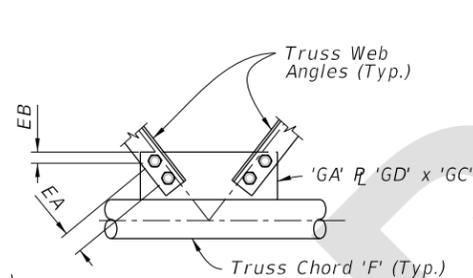
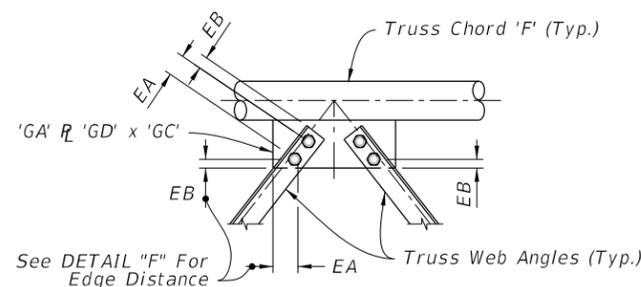
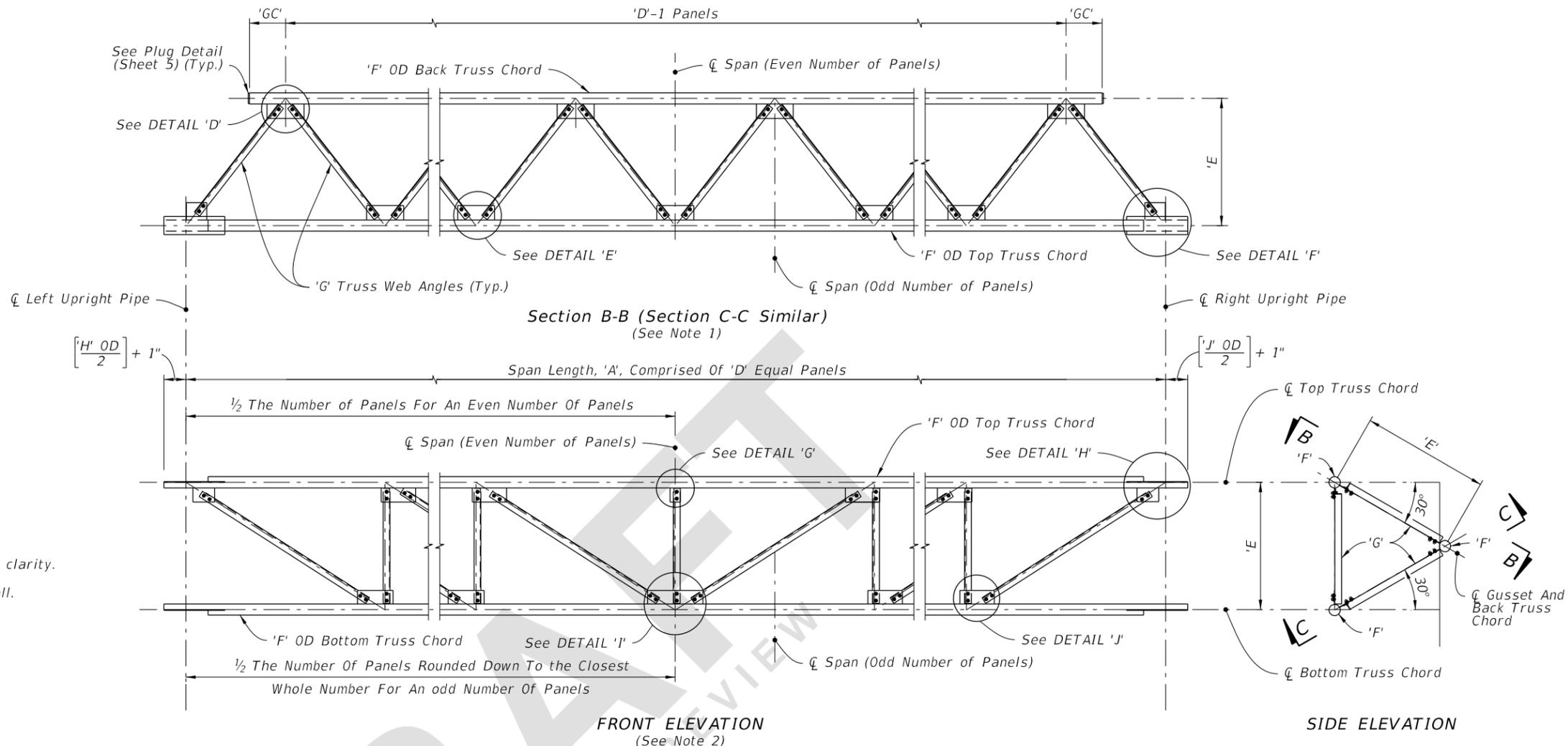
LAST REVISION 11/01/22	REVISION	DESCRIPTION:		FY 2023-24 STANDARD PLANS	SPAN SIGN STRUCTURE	INDEX 700-041	SHEET 2 of 5
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SPAN SIGN ASSEMBLY

- NOTES:**
1. Out-of-plane members are not shown for clarity.
 2. Back truss chord and attached angles are not shown for clarity.
 3. Wrap fillet weld around plate termination on the tube wall.

Bolt Diameter (in.)	Distance (in.)	
	EA	EB
1 1/4	4 3/8	2 1/4
1	3 1/2	1 3/4
7/8	3	1 1/2
3/4	2 1/2	1 1/4
5/8	2 1/4	1 1/8



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