

Origination Form
Proposed Revisions to a Standard Plans Index

Originator:	Turley, Joshua	Index Number:	700-040
Date:	6/12/2025	Sheet Number(s):	1
E-mail:	Joshua.Turley@dot.state.fl.us	Index Title:	CANTILEVER SIGN STRUCTURE

Summary of the changes:

Sheet 1: Added the dimension variable 'G' to the back rake for clarity.

Commentary/Background:

There was some confusion that the annotation was point to the back rake dimension as 'F' when the 'F' actually refers to the upright. I added the actual dimension variable 'G' under the dimension line to clear this up.

Other Affected Documents/Offices	Person Contacted	Affected (Yes/No)
Other Standard Plans		No
FDOT Design Manual		No
Standard Specifications		No
Basis of Estimates Manual		No
Approved Product List		No
Construction Office		No
Maintenance Office		No

Implementation

["FY-Standard Plans (Next Release)"]

GENERAL NOTES:

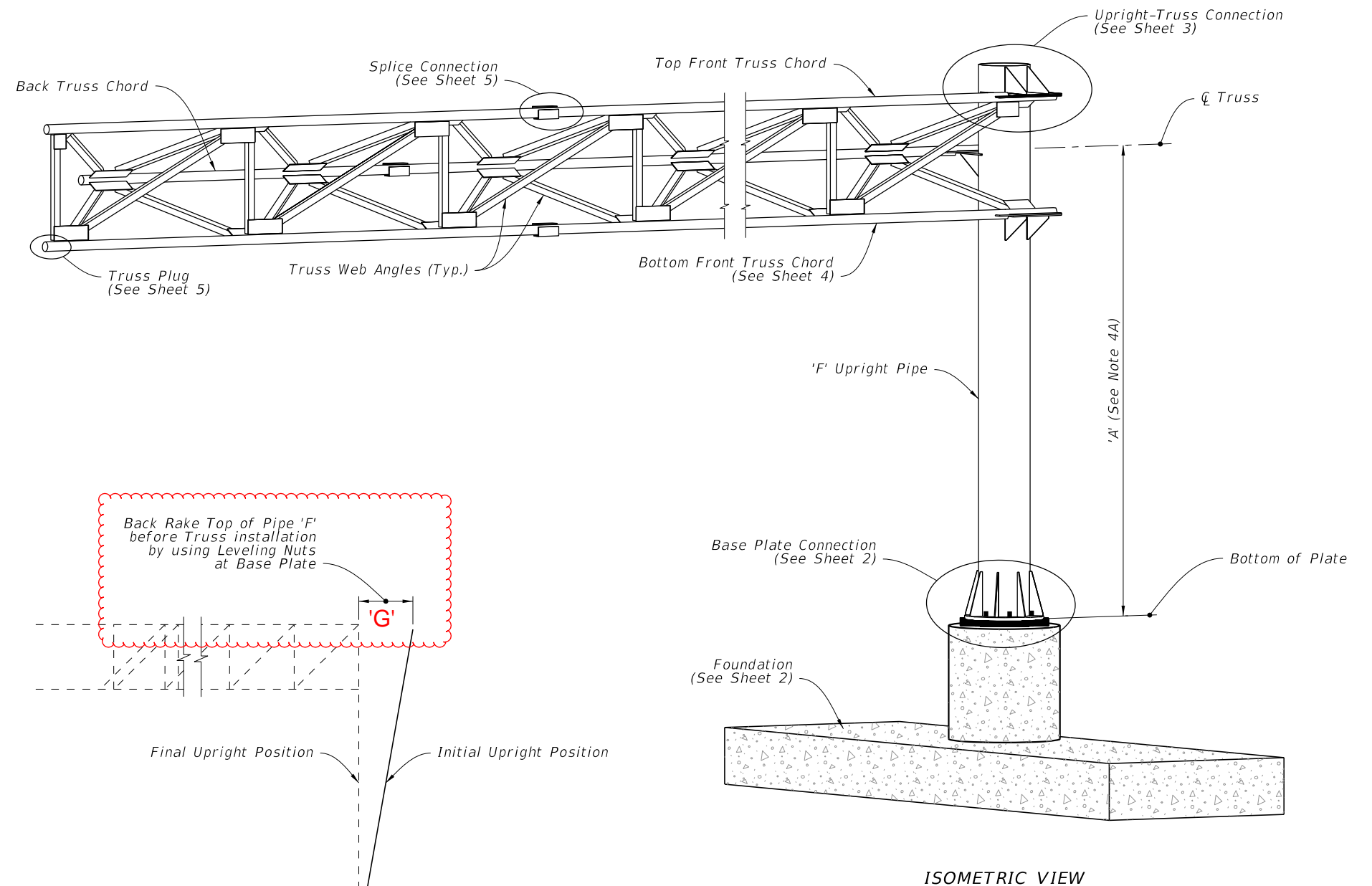
1. *Meet the requirements of Specification 700.*
2. *Work this Index in conjunction with CANTILEVER SIGN STRUCTURE DATA TABLES in the Plans and Index 700-030.*
3. *Handholes are required at pole base for DMS Structures. Refer to Index 700-090 for Handhole Details.*
4. *Shop Drawings are required.*

Obtain Shop Drawing approval prior to fabrication. Include the following:

- A. Upright Pipe height ('A') and Foundation elevations: Verify dimension in the field prior to submittal to ensure minimum vertical clearances of the sign panel over the roadway.
- B. Height of the foundation above adjacent ground.
- C. Anchor bolt orientation with respect to centerline of truss and the direction of traffic.
- D. Chord Splices
- E. Handholes at pole base (when required).

5. Materials:

- A. Sign Structure:
 - a. Upright and Chords (Steel Pipe): API 5L X42 PSL2, 42 ksi yield or ASTM A500, Grade B (Min.)
 - b. Steel Angles and Structural Plates and Bars: ASTM A709 Grade 36
- B. Bolts, Nuts and Washers:
 - a. High Strength Bolts: ASTM F3125, Grade A325 Type 1
 - b. Nuts: ASTM A563 Grade DH Heavy-Hex
 - c. Washers: ASTM F436 Type 1, one under turned element
- C. Anchor Bolts, Nuts and Washers
 - a. Anchor Bolts: ASTM F1554 Grade 55
 - b. Nuts: ASTM A563 Grade A Heavy-Hex (5 per bolt)
 - c. Plate Washers: ASTM A36 (2 per bolt)




CAMBER DIAGRAM

= CANTILEVER SIGN ASSEMBLY =

11/01/25

2026-27

LAST REVISION 11/01/22	DESCRIPTION:	 FY 2025-26 STANDARD PLANS	CANTILEVER SIGN STRUCTURE	INDEX 700-040	SHEET 1 of 5
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a. High Strength Bolts: ASTM F3125, Grade A325 Type 1

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a. Anchor Bolts: ASTM F1554 Grade 55

b. Nuts: ASTM A563 Grade A Heavy-Hex (5 per bolt)

c. Plate Washers: ASTM A36 (2 per bolt)



= CANTILEVER SIGN ASSEMBLY =

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