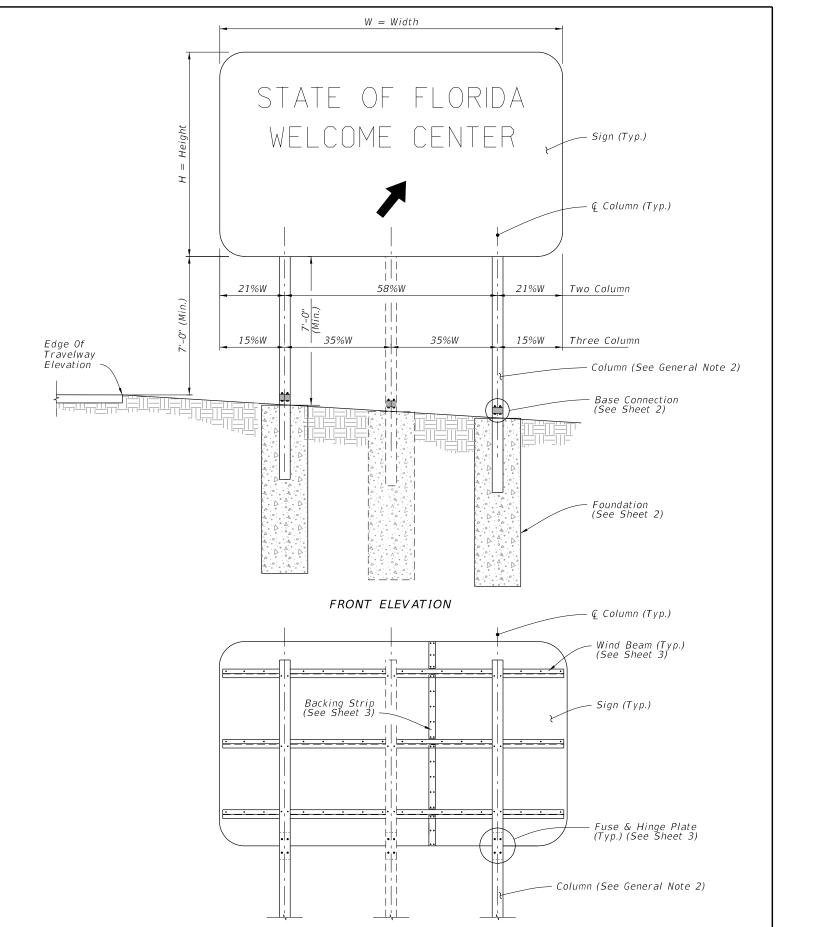
- 3. Shop drawings:
- A. Sign Support Shop drawings and calculations are not required when fabricated in accordance with this Index and support columns do not vary from the plan locations by more than 2'-0"
- B. Sign Panels: Horizontal panel splices are allowed at interior wind beams for sign panels with a height ("H") greater than 10 feet. Shop drawings required for horizontal panel splice details.
- C. When shop drawings are required, obtain approval prior to fabrication.
- 4. Materials:
- A. Sign Panel Mounting Materials:
  - a. Aluminum Bars, and Extruded Shapes: ASTM B221, Alloy 6061-T6 or Alloy 6351-T5
  - b. Aluminum Structural Shapes: ASTM B221, Alloy 6061-T6
- B. Sign Support Structure Materials:
- a. Steel Plates and Structural Shapes: ASTM A36 or ASTM A709, Grade 36
- b. Steel Weld Metal: E70XX
- c. Shims: Brass ASTM B36 or Galvanized Steel
- C. Aluminum Bolts, Nuts and Washers:
- a. Flat Head and Button Head Bolts: ASTM F 468, Alloy 2024-T4
- b. Hex Nuts: ASTM F467, 2024-T4
- c. Washers: ASTM B221, Alloy 2024-T4
- D. Stainless Steel Bolts, Nuts and Washers Alloy Group 2, Condition A, may be substituted for the Aluminum bolts as follows: a. Bolts: ASTM F593, CW1 or SH1
- b. Nuts: ASTM F594,
- E. High Strength (H.S.) Steel Bolts, Nuts and Washers:
  - a. Galvanized Hex Head Bolts: ASTM F3125, Grade A325, Type 1
  - b. Galvanized Nuts: ASTM A563 Hex, Grade DH c. Galvanized Washers: ASTM F436
- F. Concrete: Class II.



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DESCRIPTION:

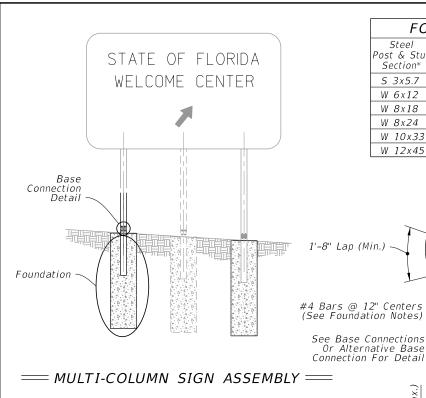
FDOT

FY 2026-27 STANDARD PLANS

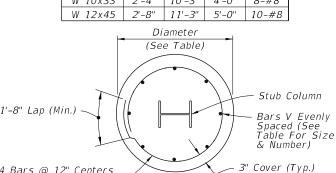
BACK ELEVATION

MULTI-COLUMN SIGN ASSEMBLY ===

INDEX 700-020 SHEET



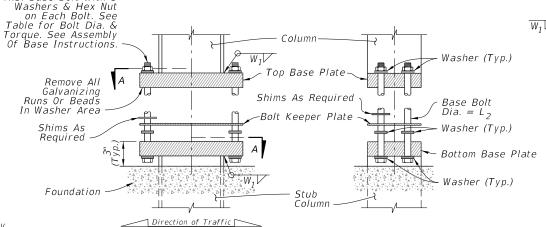
FOUNDATION DATA									
Steel Post & Stub Section*	Dia.	Depth	Stub Column Length	Reinf. Bars V					
S 3x5.7	2'-0"	4'-0"	3'-0"	10-#6					
W 6x12	2'-0"	6'-0"	3'-0"	10-#6					
W 8x18	2'-4"	7'-6"	4'-0''	8-#8					
W 8x24	2'-4"	8'-6"	4'-0''	8-#8					
W 10x33	2'-4"	10'-3"	4'-0''	8-#8					
W 12x45	2'-8"	11'-3"	5'-0"	10-#8					



PLAN

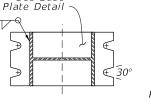
- Ç Of Foundation & Stub Column

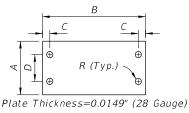
Finished



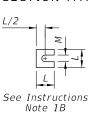
SIDE ELEVATION

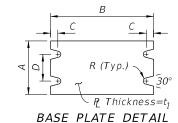
SIDE ELEVATION





SECTION A-A BOLT KEEPER PLATE DETAIL





SHIM DETAIL

BASE CONNECTION DATA SHIM

Steel Post & Stub Section*	А	В	С	D	R	t <sub>1</sub>	L <sub>2</sub>	W <sub>1</sub>	Torque (Ibf*in)	L	М
S 3x5.7	4"	7"	3/4"	2"	5/16"	1"	1/2"	1/4"	90 ± 20	1-1/4"	9/16"
W 6x12	4"	10"	3/4"	2"	3/8"	1-5/8"	5/8"	1/4"	270 ± 45	1-3/8"	11/16"
W 8x18	5-1/4"	12-1/2"	7/8"	2-3/4"	7/16"	1-3/4"	3/4"	3/8"	445 ± 75	1-3/4"	13/16"
W 8x24	6-1/2"	12-1/2"	7/8"	3-1/4"	7/16"	1-3/4"	3/4"	3/8"	445 ± 75	2-1/8"	13/16"
W 10x33	8"	16"	1-1/4"	4-3/4"	9/16"	2"	1"	1/2"	580 ± 90	2-3/8"	1-1/16"
W 12x45	10"	18"	1-1/4"	6"	9/16"	2"	1"	1/2"	580 ± 90	2-3/4"	1-1/16"

Washer (Typ.)

H.S. Base Bolt

- Washer (Typ.)

Washer (Typ.)

 $Dia. = L_2$ 

FRONT ELEVATION

## **FOUNDATION NOTES:**

The foundation may be either precast or cast-in-place. Use Reinforcing bars or equivalent Welded Wire Reinforcement.

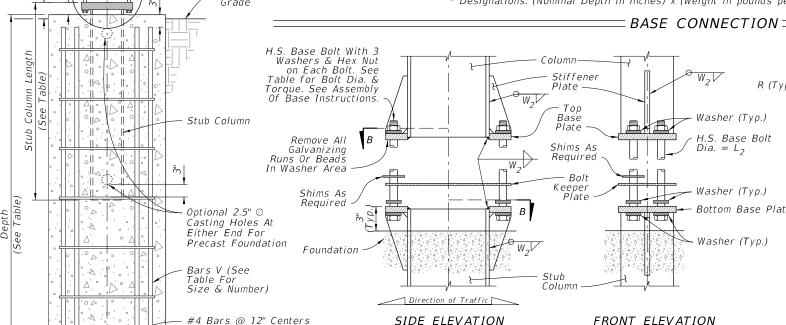
At the Contractor's option, the #4 tie bars at 12" o.c. may be replaced by D10 Spiral Wire @ 6" pitch, with three flat turns at the top and one flat turn at the bottom in accordance with Specification 415.

For precast foundations, the circular cross section shown may be substituted with an octagon shape. The out-to-out distance between parallel edges must be greater than or equal to the diameter in the Foundation Data table. Use the same reinforcing diameter with centered placement and a minimum 3" cover.

## BASE CONNECTION NOTES:

- 1. Assembly of Base Instructions.
- A. Place one washer on each Base Bolt between the Bottom Base Plate and the head of high strength Base Bolt; place the next washer between the Bottom Base Plate and the Bolt Keeper Plate; add the Top Base Plate section and place the third washer between the Top Base
- B. Shim as required to plumb column. Provide 2-0.0149" thick (28 gauge) and 2-0.0329" thick (21 gauge) shims
- 2. H.S. Base Bolt L Tightening Instructions:
- A. Tighten Base Bolts to the maximum possible with a 12" to 15" wrench (this will bed the washers and shims and clear the bolt threads).
- B. Loosen each Base Bolt one turn
- C. Under the supervision of the Engineer, use a calibrated wrench to tighten bolts to the torque prescribed in the Table. Over tightened Base Bolts will not be permitted.
- D. Burr threads at junction with nut to prevent nut loosening. Treat damaged galvanizing.
- 3. Assemble Post to Stub with Base Bolts and three flat washers per bolt (See Base Connection Details). Tighten Base Bolts in accordance with Instructions with
- 4. Weld Base Plate to Post & Stub or if using the Alternate Connection Detail weld Base Plate and Stiffeners to Post
- 5. Orient Stub Post according to direction of traffic.

DESCRIPTION:

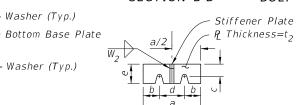


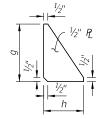
H.S. Base Bolt With 3

Depth of Base Plate Section Wal R (Tvp. R(Typ.)Plate Thickness=0.0149" (28 Gauge)

## SECTION B-B

BOLT KEEPER PLATE DETAIL





BASE PLATE DETAIL

STIFFENER PLATE DETAIL

ALTERNATIVE BASE CONNECTION DATA												
Steel Section*	а	b	С	d	е	t <sub>2</sub>	L <sub>2</sub>	R	Torque (lbf*in)	g	h	$W_2$
W 6x12	4-3/4"	1-1/8"	1-3/16"	2-1/2"	2"	1/2"	5/8"	3/8"	270±45	5-1/8"	2"	1/4"
W 8x18	5-3/4"	1-1/2"	1-3/8"	2-3/4"	2-3/16"	5/8"	3/4"	7/16"	445±75	6-1/4"	2-3/16"	1/4"
W 8x24	7"	1-3/4"	1-3/8"	3-1/2"	2-3/8"	3/4"	3/4"	7/16"	445±75	8"	2-3/8"	5/16"
W 10x33	8"	2"	1-9/16"	4"	2-3/4"	3/4"	1"	9/16"	580±90	8"	2-3/4"	5/16"
W 12x45	8"	2"	1-9/16"	4"	3"	3/4"	1"	9/16"	580±90	8"	3"	5/16"

<sup>\*</sup> Designations: (Nominal Depth in inches) x (weight in pounds per linear foot).

ALTERNATIVE BASE CONNECTION =

FOUNDATION AND BASE CONNECTION DETAILS

REVISION 11/01/24

ELEVATION

FOUNDATION =

FY 2026-27 STANDARD PLANS

#4 Bars @ 12" Centers

(See Foundation Notes)

Class II

Concrete

*INDEX* 700-020

SHEET 2 of 3

FDOT

st Designations: (Nominal Depth in inches) x (weight in pounds per linear foot).

