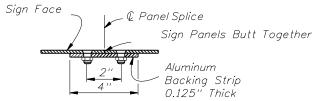


(For Notes And Dimensions Not Shown, See Plans)

Note: It shall be the contractors responsibility to determine the length of the column supports in the field prior to fabrication.

Note: If the sign panels are deeper than 10', a Horizontal Panel Splice is allowed at an interior Z bar support, shop drawings shall be required. Minimum panel section width =2'-6''.



Pairs Of 1/4" © Aluminum Flat Head Machine Screws With Nuts And Lock Washers Spaced At 1'-0" Centers Maximum Backing Strip
Bucking Strip
~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~
(Panel Splice
E sandania

NUMBER OF WIND BEAMS FOR GIVEN DEPTH & WINL						
Wind	No. Beams	Max. Depth	Wind	No. Beams	Max. Depth	
110	2	7'-0''	150	2	6'-0''	
110	3	12'-0"	150	3	10'-4''	
110	4	16'-4''	150	4	14'-0''	
110	5	20'-8''	150	5	17'-8''	
130	2	6'-8''				
130	3	11'-4''				
130	4	15'-4''				
1.30	.5	19'-0''				

SIZE	OF WIND BEAMS			
Size Of Zee*	Length Of Sign (Feet)			
3/26 0/ 266*	2 Posts	3 Posts		
Z 1.75 x 1.75 x 1.08	0 - 11'-0''	0 - 17'-4''		
Z 3 x 2.69 x 2.33	11'-1''-19'-0''	17'-5''-29'-6''		
Z 3 x 2.69 x 3.38	19'-1''- 20'-8''	29'-7''-31'-6''		

*Note: Zees Are Aluminum - No Steel Equivalent Available
Designation Gives (Member Depth) x (Flange=Width) x (Ib/ft)

DESIGN WIND SPEEDS BY COUNTY

110 mph

Alachua, Baker, Bradford, Clay, Columbia, Gadsden, Gilchrist, Hamilton, Hardee, Jackson, Jefferson, Lafayette, Lake, Leon, Madison, Marion, Polk, Putnam, Sumter, Suwannee, and Union Counties.

130 mph

Bay, Brevard, Calhoun, Charlotte, Citrus, DeSoto, Dixie, Duval, Flagler, Franklin, Glades, Gulf, Hendry, Hernando, Highlands, Hillsborough, Holmes, Lee, Levy, Liberty, Manatee, Nassau, Okaloosa, Okeechobee, Orange, Osceola, Pasco, Pinellas, Sarasota, Seminole, St. Johns, Taylor, Volusia, Wakulla, Walton, and Washington Counties.

150 mph

Broward, Collier, Escambia, Indian River, Martin, Miami-Dade, Monroe, Palm Beach, Santa Rosa, and St.Lucie Counties.

Sheet No.

01/01/08 1 of 3 11200

BACKING	STRIP	DETAIL

REVISIONS				THE OF FLORING	2008 Interim Design Standard		
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		
07/01/07	L.W.	Deleted High Strength Bolt Table A-325. Note revised to 10' instead of 12' in BACKING STRIP DETAIL.				THE THE PARTY OF TRAINING	MULTI-COLUMN GROUND SIGN

GENERAL NOTES

DESIGN SPECIFICATION Design according to FDDT Structures Manual (current edition).

Standard Specification for Structural Supports for Highway Signs, Luminaries and Traffic Signals, AASHTD 2001. For welding refer to the latest editions of the AWS Structural Welding Codes for Steel and Aluminum, the AASHTO

Standard SpecificatIons for Welding Structural Steel Highway Bridges.

ALUMINUM MATERIALS All aluminum materials shall meet the requirements of the Aluminum Association's Alloy 6061-T6 and also the following

ASTM specifications: Sheets and plates, B209; extruded tube, bars, rods & shapes, B221; and standard structural shapes, B308. Sheets are to be degreased, etched, neutralized and treated with Alodine 1200, Iridite I4-2, Bonderite 721, or equal. No stenciling permitted on sheets. Aluminum welding rods shall meet the requirements of Aluminum Association

Alloy No. 5556 filler wire.

STRUCTURAL STEEL All structural steel shall meet the requirements of ASTM A36.

ALUMINUM BOLTS. NUTS. Aluminum bolts shall meet the requirements of Aluminum Association Alloy 2024-T4 (ASTM F468). The bolts shall have & LOCKWASHERS an anodic coating at least 0.0002" thick and be Chromate sealed. Lock washers shall meet the requirements of Aluminum

Association Alloy 7075-T6 (ASTM B221). Nuts shall meet the requirements of Aluminum Association Alloy 6061-T6 or

6262-T9 (ASTM F467).

STEEL BOLTS, NUTS. All steel bolts, nuts and washers shall meet the requirements of ASTM A325. & WASHERS

ALTERNATE MATERIAL Material meeting the requirements of ASTM B209 or Aluminum Association Alloys 5154-H38 or 5052-H38 may be used

for sheet and plate. Material meeting the requirements of Aluminum Association Alloy 6351-T5 and ASTM B221 may be

used for extruded bars, rods, shapes and tubes.

TOLERANCES All above materials shall be in accordance with the governing ASTM specifications.

GAL VANIZING All steel shapes, angles, tees, plates, bolts, nuts and washers shall be galvanized in accordance with Standard Specifications

BASE CONNECTION High strength bolts L₂ in the base connection shall be tightened only to the torque shown in the table on sheets 3 of 3.

Overtightened base connections will not be accepted.

All holes in fuse plates shall be drilled. All plate cuts shall, preferably, be saw cuts; however, flame cutting will be permitted FUSE PLATES

provided all edges are ground. Metal projecting beyond the plane of the plate face will not be tolerated.

SIGN FACE All sign face corners shall be rounded. See Sign Layout Sheet.

SHOP DRAWINGS When ground sign supports are fabricated in accordance with these plans no shop drawings are required. Shop drawings will be required for approval when the column length exceeds the length shown in the plans by more than 2'-0". However,

shop drawings for sign panels, messages, lettering and quantities shall be submitted to the Engineer of Record for approval.

FABRICATOR NOTE All bolts shall be high strength bolts. All bolts, except L2 bolts and zee to post bolts, shall be tightened in the

shop following a method approved by the engineer. Tightening shall be to such a degree so as to attain in each bolt the

residual tension specified in the tabulation on sheet 1 of 3.

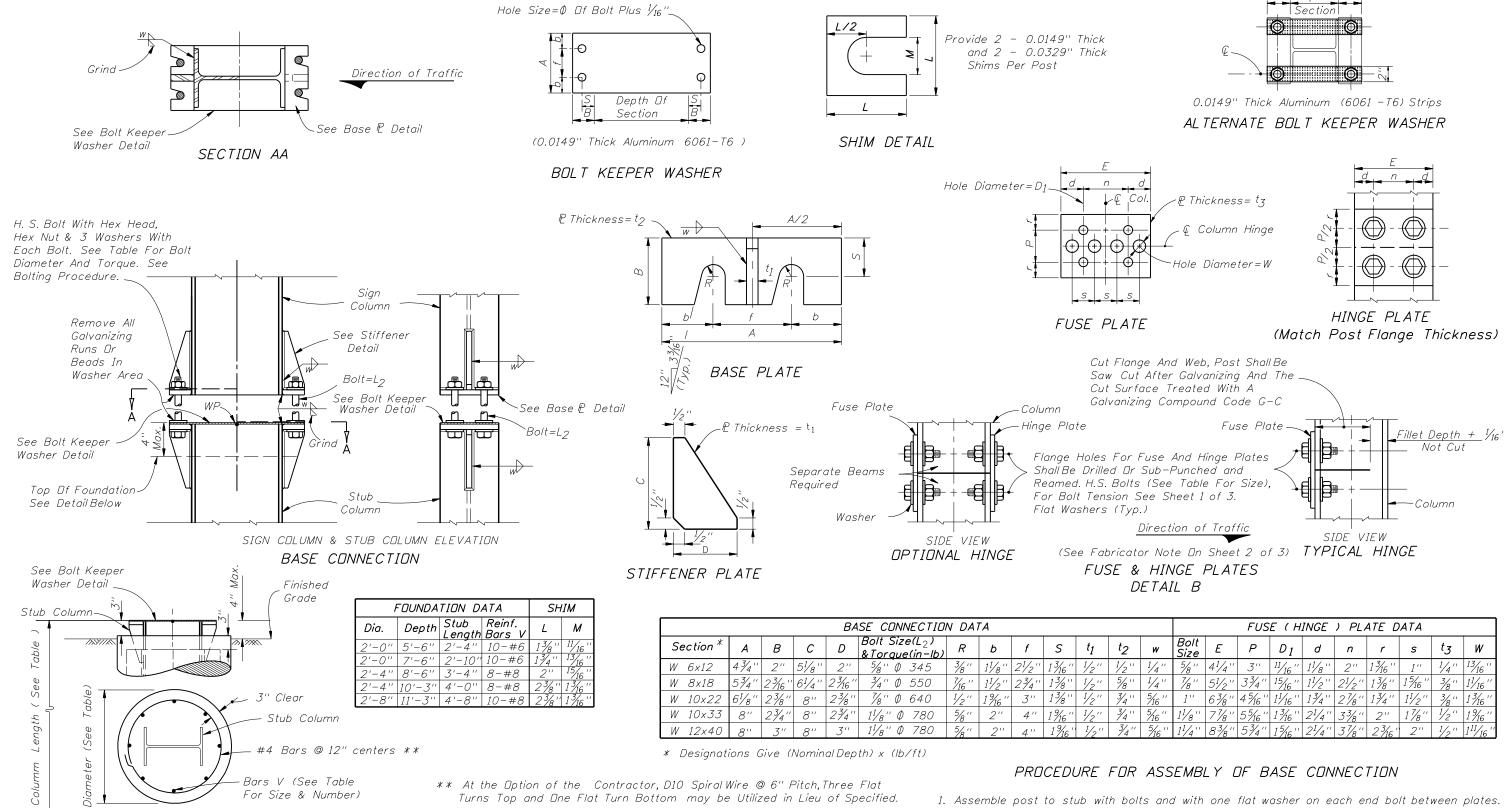
FOUNDATION Contractor may use precast foundations in pre-drilled holes a minimum of 12" larger than the foundation indicated on

the plans in either wet or dry conditions. The holes shall be clean and without loose material. Temporary casing shall be required if the soil is unstable. Fill the void around the precast foundation with flowable fill meeting the requirements of Section 121 or clear sand placed using hydraulic methods. The cost of flowable fill, installing and removal of casing shall

be included in the unit price of Sign Multi-Post.

REVISIONS DATE Foundation note revised





Turns Top and One Flat Turn Bottom may be Utilized in Lieu of Specified.

Shop-weld assemblies of foundation stirrup reinforcing bars are permitted in reinforced concrete foundation provided that:

1. The reinforcing bars conform to ASTM Specification A706/706M.

Stub

FOUNDATION DETAIL

NOTE; All Reinforcing To Be Grade 60.

Bars V (See Table

For Size & Number)

‡4 Bars @ 12" centers **

Class I (Special) Concrete

- 2. The holding wires conform to ASTM Specification A82 or A496.
- 3. The Shop welding is performed by machines under a continuous, controlled process, approved by the Engineer.
- 4. Quality control test are preformed on shop-welded specimens and the test results are available, upon request, to the Engineer.
- 1. Assemble post to stub with bolts and with one flat washer on each end bolt between plates.
- 2. Shim as required to plumb post (see shim detail).
- 3. Tighten all bolts the maximum possible with 1'-0'' to 1'-3'' wrench to bed washers and shims and to clean bolt threads then loosen each bolt in turn and retighten in a systematic order to the prescribed torque (see table).
- 4. Burr threads at junction with nut using a center punch to prevent nut loosening.
- 5. Sections shown are for installation on right shoulder. For left shoulder plate slot bevels are opposite hand from that shown.

STEEL POST, BASE, FOUNDATION & FUSE PLATE DETAILS

REVISIONS 2008 Interim Design Standard Sheet No. 01/01/08 3 of 3 Notes added to FOUNDATION DETAIL **MULTI-COLUMN GROUND SIGN** 11200