TYPICAL ELEVATION

Note: If the sign panels are deeper than 10′, a Horizontal/Panel Splice is allowed at an interior crossbar support. Shop drawings shall be required. Minimum panel section width = 2-0 – 0.

PARTIAL REAR ELEVATION

Designation: Given (Member Depth) x (Plunge=Width) x (Bolt)

SIDE VIEW

GENERAL NOTES


WEIGHT: For welding refer to the latest editions of the AWS Structural Welding Code for Steel and aluminum, the AASHTO Standard Specifications for Welding Structural Steel-Highway Bridges.

ALUMINUM MATERIAL: All aluminum materials shall meet the requirements of Aluminum Association's 6061-T6 and also the following ASTM specifications: Sheets and plates, B209; Rolls, rods, and shapes, B209; and standard structural shapes, B209. No studding permitted on sheets. Aluminum welding rods shall meet the requirements of Aluminum Association's 6056-T6 and 6063-T6.

ALTERNATE MATERIAL: Material meeting the requirements of ASTM B209 or Aluminum Association's 6061-T6 or 6063-T6 may be used for sheet and plate. Material meeting the requirements of Aluminum Association's 6061-T6 and 6063-T6 may be used for extruded bars, rods, and shapes.

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

STRENGTH: All aluminum alloy bolts shall meet the requirements of Aluminum Association's 6061-T6 and 6069-T6 (ASTM F468). The bolts shall have an ultimate tensile stress of at least 60,000 lb/In² and be chrome plated or zinc coated and galvanized according to American Iron and Steel Institute's standards.

SIDE VIEW

2 TYPE WIND BEAM

DESIGN WIND SPEEDS BY COUNTY


SIDE OF WIND BEAM

<table>
<thead>
<tr>
<th>Size of Tee</th>
<th>Length of Sign (feet)</th>
<th>2 Posts</th>
<th>3 Posts</th>
</tr>
</thead>
<tbody>
<tr>
<td># 1 7/8 x 1 7/8 x 1 7/8</td>
<td>0 - 17-4</td>
<td>0 - 17-4</td>
<td></td>
</tr>
<tr>
<td># 3 3/8 x 3 3/8 x 3 3/8</td>
<td>17-5 - 99-0</td>
<td>17-5 - 99-0</td>
<td></td>
</tr>
</tbody>
</table>

Note: Ties are aluminum. No steel equivalent available.
**2010 FDOT Design Standards**

**MULTI-COLUMN GROUND SIGN**

**BASE CONNECTION DATA**

| Section | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z |  |
| W 6x52 | 47' | 1' | 37' | 2' | 6' | 131' | 6' | 255' | 1' | 1' | 1' | 1' | 1' | 1' | 1' | 1' | 1' | 1' | 1' | 1' | 1' | 1' | 1' | 1' | 1' | 1' | 1' | 1' | 1' | 1' | 1' | 1' |  |
| W 8x8 | 57' | 1' | 44' | 1' | 6' | 120' | 6' | 250' | 1' | 1' | 1' | 1' | 1' | 1' | 1' | 1' | 1' | 1' | 1' | 1' | 1' | 1' | 1' | 1' | 1' | 1' | 1' | 1' | 1' | 1' | 1' | 1' | 1' |  |
| W 10x12 | 6' | 1' | 56' | 1' | 6' | 113' | 6' | 240' | 1' | 1' | 1' | 1' | 1' | 1' | 1' | 1' | 1' | 1' | 1' | 1' | 1' | 1' | 1' | 1' | 1' | 1' | 1' | 1' | 1' | 1' | 1' | 1' | 1' |  |
| W 12x14 | 8' | 1' | 72' | 1' | 6' | 106' | 6' | 220' | 1' | 1' | 1' | 1' | 1' | 1' | 1' | 1' | 1' | 1' | 1' | 1' | 1' | 1' | 1' | 1' | 1' | 1' | 1' | 1' | 1' | 1' | 1' | 1' | 1' |  |

**SHIM**

**FUSE & HINGE PLATE DATA**

| SECTION | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z |  |

**FOUNDATION DATA**

| SECTION | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z |  |

**PROCEDURE FOR ASSEMBLY OF BASE CONNECTION**

1. Assemble post to stub with bolts and with one flat washer on each bolt between plates.
2. Shim as required to plum post (see shim detail).
3. Tighten all 12 bolts the maximum possible with 1'-0" to 1'-3" wrench to bed washers and shims and to clean bolt threads.
4. Pull threads at juncture 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.

**FOOTNOTE**

- **#1** At the Option of the Contractor, 0.125" x 1" x 0.062" x 0.035" is permitted in reinforced concrete foundation provided that:
  1. The reinforcing bars conform to ASTM Specification A615.
  2. The rebar spacing conforms to ASTM Specification A615.
  3. The Shop welding is performed by a highly skilled person using a continuous, controlled process, approved by the Engineer.
  4. Quality control test is performed on shop-welded specimens and the test results are available, upon request, to the Engineer.

**NOTE**

- **Special Treatment**
  - **Steel Post, Base, Foundation & Hinge Plate Details**
    - **Designations:** Normal Depth in inches and weight in pounds per linear foot.