**GENERAL NOTES**

- **STEEL BOLTS, NUTS, & WASHERS:** All steel bolts, nuts and washers shall meet the requirements of A325 and shall be galvanized in accordance with ASTM A252.

- **BASE CONNECTION:** High strength bolts L in the base connection shall be tightened only to the torque shown in the table on sheet 2 and 3. Overtightened base connections will not be permitted.

- **FUSE PLATE:** All holes in fuse plates shall be drilled. All plate holes shall be preferably be reamed. Holes in plates will be permitted.

- **FABRICATOR NOTE:** All bolts, except L bolts and Zee Beam to post bolts, shall be tightened in accordance with Section 700 of the Specifications.

- **FOUNDATION:** Contractor may use precast foundations in accordance with these plans no shop drawings are required. Shop drawings will be required for approval when the length shown in the plans by more than 2'-0".

- **BRASS SHIM:** Provide shim plate per ASTM B36.

**DESIGN WIND SPECIFICATIONS:** Design according to FDOT Structures Manual (current edition).

**WELDING:** Perform all welding in accordance with the American Welding Society Structural welding code (Steel), ANSI/AWS D1.1-2015, current edition.

**ALUMINUM MATERIALS:** All aluminum materials shall meet the requirements of the Aluminum Association Alloy AA6061-T6 and meet the requirements of ASTM F467. Sheets and plates, B209, extruded bars, rods, flats, and shapes, B221, and extruded shapes, B308. No stenciling permitted on sheets. Aluminum welding shall meet the requirements of Aluminum Association Alloy No. 5356 filler wire.

**ALTERNATE MATERIAL:** Material meeting the requirements of Aluminum Association Alloy 6351-T5 and ASTM B221 may be used for extruded bars, rods, flats, and shapes and tubes.

**FINISH:** Sign face corners shall be rounded. Structural steel shall meet the requirements of A36 and shall be galvanized in accordance with ASTM A123.

**ALUMINUM BOLTS, NUTS, & LOCK WASHERS:** Aluminum bolts shall meet the requirements of Aluminum Association Alloy 6061-T4 and 6062-T9 (ASTM F467). The bolts shall have an anodic coating at least 0.0002" thick and be Chromatic plated. Lock washers shall meet the requirements of Aluminum Association Alloy 6061-T4 and 6062-T9 (ASTM F467).

**SIZE OF WIND BEAMS**

<table>
<thead>
<tr>
<th>Size of Zee</th>
<th>Length of Sign (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>135 x 180</td>
<td>0.0 to 1.5'</td>
</tr>
<tr>
<td>150 x 240</td>
<td>3.0 to 9.0'</td>
</tr>
<tr>
<td>175 x 375</td>
<td>1.0 to 1.5'</td>
</tr>
</tbody>
</table>

**MULTI-COLUMN GROUND SIGN**

**INDEX NO.** 11200  
**SHEET NO.** 1 of 3
**PROCEDURE FOR ASSEMBLY OF BASE CONNECTION**

1. Assemble post to stub with bolts and flat washers as shown.
2. Shim as required to plumb post (see shim detail).
3. Tighten all L2 bolts the maximum possible with 1'-0" to 1'-3" wrench. See Fabricator Note on Sheet 1.
4. Burr threads at junction with nut using a center punch to prevent nut loosening.