GENERAL NOTES


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

ALUMINUM MATERIAL: All aluminum materials shall meet the requirements of the Aluminum Association's Alloy 6061-T6 and shall also satisfy the following ASTM specifications: Sheets and plates, B209; extruded tubes, rods, and shapes, B221; and standard structural shapes, B558. No stenciling permitted on sheets. Aluminum welding rods shall meet the requirements of Aluminum Association No. 5556 or 5556-H11 wire.

ALTERNATE MATERIAL: Material meeting the requirements of ASTM B209 or Aluminum Association Alloys 7009 or 5056 may be used for sheet and plate. Material meeting the requirements of Aluminum Association Alloy 6061-T4 and ASTM B221 may be used for extruded tubes, rods, and shapes and tubes.

SIGN FACE: All sign face corners shall be rounded.

STROM LAG: All structural steel shall meet the requirements of ASTM A572 and shall be galvanized in accordance with ASTM A653.

STEEL BOLTS, NUTS, & WASHERS: All steel bolts, nuts and washers shall meet the requirements of ASTM A325 and shall be galvanized in accordance with ASTM F2329.

FUSE PLATE: All holes in fuse plates shall be drilled. All plate cuts shall, preferably, be saw cuts; however, flame cutting shall be permitted in accordance with the table on sheet 2 of 2. Overtightened base connections will not be permitted.

BASE CONNECTION: High strength bolts L0 in the base connection shall be tightened only to the torque shown in the specifications. Lock washers shall meet the requirements of Aluminum Association Alloy 6061-T6 and 6063-T5. All bolts shall be galvanized in accordance with ASTM F2329.

BASE 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".

STRUCTURAL STEEL: All structural steel shall be galvanized in accordance with ASTM A572.

GENERAL NOTES: Foundation Contractor may use prestressed foundations in pre-drilled holes a minimum of 12" larger than the foundation column supports, B209. No stenciling permitted on steel. Foundation deck shall be galvanized in accordance with ASTM F2329.

FOUNDATION: Contractor may use precast foundations in pre-drilled holes a minimum of 12" larger than the foundation column supports, B209. No stenciling permitted on steel. Foundation deck shall be galvanized in accordance with ASTM F2329.

GENERAL NOTES: Foundation Contractor may use prestressed foundations in pre-drilled holes a minimum of 12" larger than the foundation column supports, B209. No stenciling permitted on steel. Foundation deck shall be galvanized in accordance with ASTM F2329.
BASE PLATE

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 to shim detail.
3. Tighten all Lò bolts the maximum possible with 1'-0" to 1'-3" wrench to bend washers and shims to clean bolt threads.
4. Burr threads at junction with nut using a center punch to prevent nut loosening.

SHIM DETAIL

BASE PLATE

FUSE PLATE

HINGE PLATE

Note: 0.0149" (28 GAUGE)

Provide 2 - 0.0499" Thick (28 guage)
and 2 - 0.0329" Thick (21 guage) Brass Shims Per Post.

ELEVATION

Foundation Plate Keeper Bolt

For Multi-column Gound Sign

SPECIFICATION

Optional Hinge Plate

Typical Hinge Plate

Bolt Diameter Dò

Tapered Hole + ˆ" Fillet Depth + ½"

Not Cut

CUSTOM HINGE PLATE

Flange Holes For Fuse And Hinge Plate Shall Be Drilled Or Sub-Punched and Reamed. H.S. Bolts See Table For Size, For Bolt Tension See the Specification. Flat Washers (Typ.)

C 30-14

12-75

Depth 14"

Section

6x62

W 6x12

W 8x24

W 10x31.5

W 12x45

REVISION

09/21/10

Sheet No. 2 of 2

Steel Post, Base, Foundation & Fuse Plate Details

2010 Interior Design Standard

Sheets

04/27/10

09/20/10

17200

DVR

DVR

Base Shims added to Shim Detail.

MULTI-COLUMN GROUND SIGN