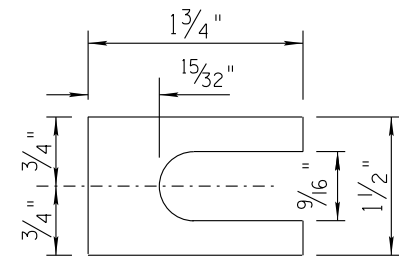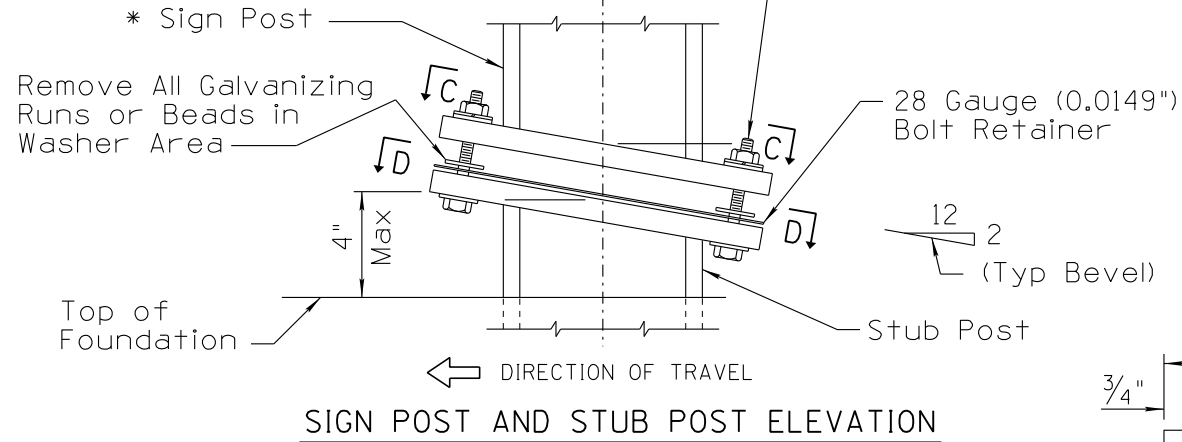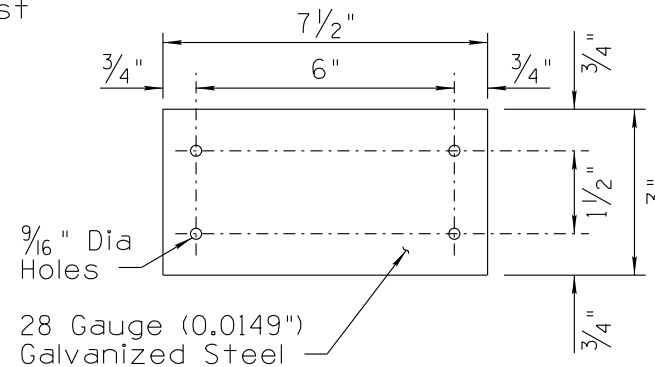* See Project Plans for post length

½" Dia x 2½" HS ASTM F1554 Grade A325 Galvanized Hex Head Bolt, with Hex Nut and 3 Flat Washers with each Bolt. See Std Dwg S-5 for Procedure For Bolting And Assembly Of Base Connection

* Sign Post

Remove All Galvanizing Runs or Beads in Washer Area

28 Gauge (0.0149") Bolt Retainer

4" Max

12 / 2 (Typ Bevel)

Top of Foundation

Stub Post

⟵ DIRECTION OF TRAVEL

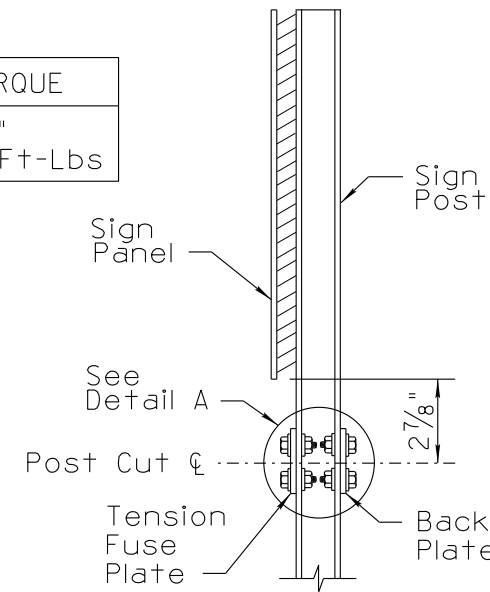**SIGN POST AND STUB POST ELEVATION**

1¾"
15/32"
¾" ¾"
9/16" 1½"
¾"

Furnish 2 Each 0.012"± Thick and 2 Each 0.032"± Thick Shims per Post. Shims Shall be Fabricated From Brass Shim Stock or Strip Conforming to the Requirements of ASTM B36. Four Shims per Bolt Maximum.
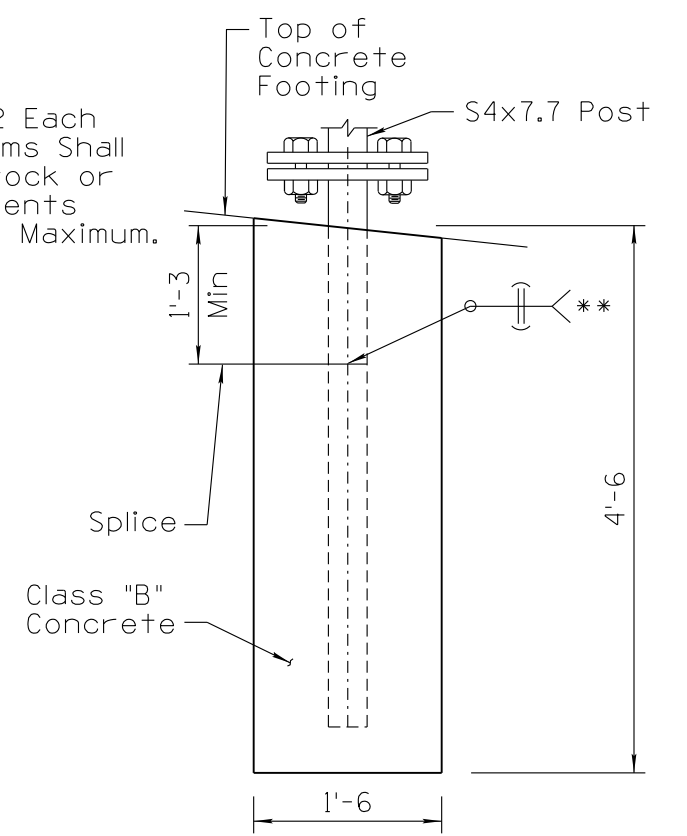
SHIM DETAIL

POST SIZE	BOLT SIZE AND TORQUE
S4x7.7	½" Dia x 2½" Torque = 10 to 14 Ft-Lbs

Top of Concrete Footing

S4x7.7 Post

1'-3 Min

Splice

Class "B" Concrete

4'-6

1'-6

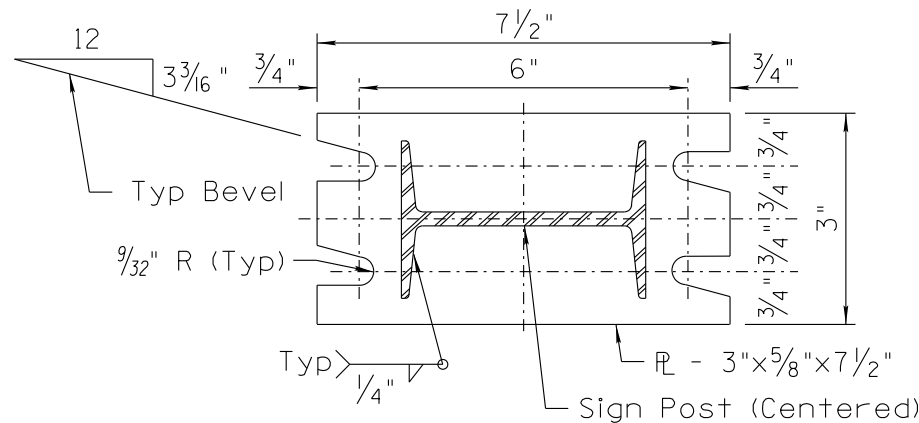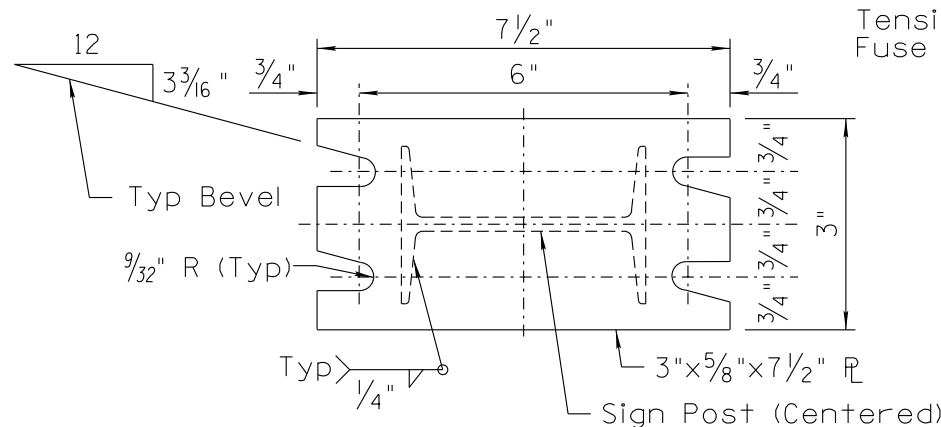**PERMISSIBLE SHOP SPLICE**

All shop splices shall be approved by the Engineer.

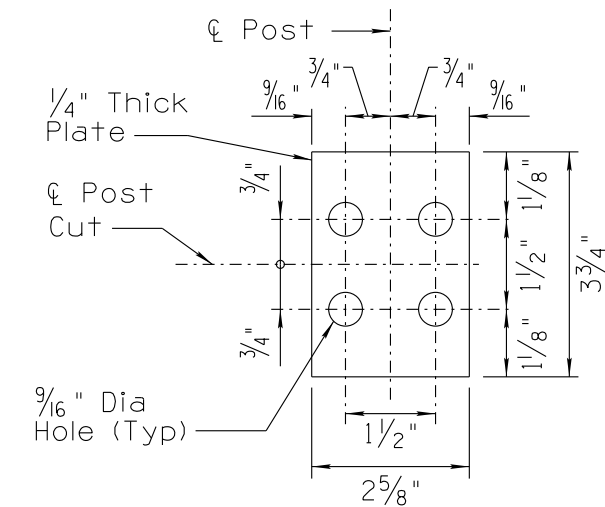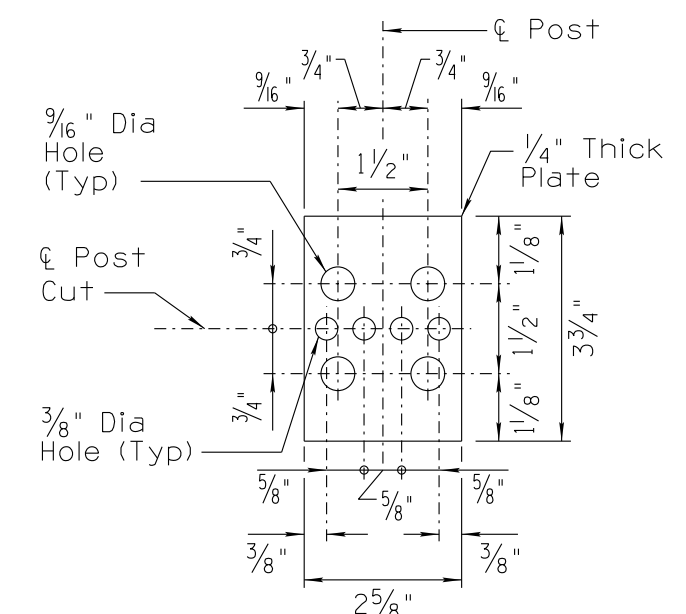** All welding shall be in accordance with AWS-1.1 latest edition.

12
3 3/16" ¾"
7½"
6"
¾"

Typ Bevel
9/32" R (Typ)
Typ ¼"
Sign Post (Centered)
PL - 3"x⅝"x7½"
¾" ¾" ¾" ¾" 3"

SECTION C-C

7½"
¾" 6" ¾"
9/16" Dia Holes
1½" 3"
¾" ¾"

28 Gauge (0.0149") Galvanized Steel

BOLT RETAINER

Sign Panel
Sign Post
See Detail A
Post Cut ₵
Tension Fuse Plate
Back Plate
2⅞"

Post Shall be Saw Cut Before Galvanizing

SIDE VIEW OF POST

12
3 3/16" ¾"
7½"
6"
¾"
Typ Bevel
9/32" R (Typ)
Typ ¼"
Sign Post (Centered)
3"x⅝"x7½" PL
¾" ¾" ¾" ¾" 3"

SECTION D-D

Flange Holes for Hinge Shall be Drilled or Sub-Punched and Reamed

Post
Tension Fuse Plate
Flat Washer
Back Plate
Flat Washer
Beveled Washers
½" Dia x 1½" Bearing Type HS Hex Bolts
¼" ¼"

DETAIL A HINGE

₵ Post
¾" ¾"
9/16" 9/16"
¼" Thick Plate
₵ Post Cut
9/16" Dia Hole (Typ)
¾" ¾"
1⅛" 1½" 1⅛" 3¾"
1½"
2⅝"

BACK PLATE

₵ Post
9/16" ¾" ¾" 9/16"
1½"
9/16" Dia Hole (Typ)
¼" Thick Plate
₵ Post Cut
3/8" Dia Hole (Typ)
¾" ¾"
1⅛" 1½" 1⅛" 3¾"
⅝" ⅝"
3/8" 3/8"
2⅝"

TENSION FUSE PLATE

₵ Post
Existing Ground
30" 30"
Chord
4" Top Stub Max
Top of Foundation

STUB PROJECTION LIMITS

NOTES:

1. Sections shown are for installations on right shoulder and in gore. For installations on left shoulder, plate slot bevels are reversed.

2. All plates shall be ASTM A572 grade 50 and all plate holes shall be drilled.

3. All plate cuts shall preferably be saw cuts; flame cutting will be permitted provided all edges are ground.