

Section D-D

of Transportation

high strength hex head bolt. and lock washer (Typ.) Saw cut post before Fuse Joint Detail A (Side View) Base Connection Dimensions Fuse and Hinge Plate Dimensions W-Shape Post and Bolt Size Pile Size W Н В С D Ε R G t 2 and Torque 3/4" ø x 31/2" 1/2" W4x13 21/2" 11/2" 31/2" 1¼" 1/4" 13/32" 2" 1¼" 4" Torque = 600 in-lb 3/4" ø x 31/2" W5x16 21/2" 11/2" 31/2" 1¼" 1/2" 1/4" 13/32" 21/2" 1¼" 5" Torque = 600 in-lb ½" ø x 4½" 3" 1¾" 1/2" 1/4" 15/32" 6" W6x20 4" 2" 11/4" 21/2" 11/4" Torque = 800 in-lb½" ø x 4¼" W8x24 3" 1¾" 4" 2" 11/4" 1/2" 1/4" 15/32" 21/2" 11/2" 61/2" Torque = 800 in-lb1" ø x 5" 3/4" W8x28 3" 2" 4" 2" 11/2" 5/16" 17/32" 21/2" 11/2" 61/2" Torque = 1000 in-lb 11/8" ø x 5" 31/2" 2" 5" 2" 3/4" W8x31 9" 11/2" ⁵/₁₆" 19/32" 3" 1¾" 8" Torque = 1200 in-lb 11/8" ø x 5" 2" 5" 3/4" 19/32" 3" 13/4" 1/2" W10x39 9" 31/2" 2" 11/2" 5/16" 8" 51/2" 1¼" 11/8" 13/16" 13/8" 11/8" Torque = 1200 in-lb

6" or 12'

W-shape sign post -

½" dia. lifting hole

(optional)

W-shape sign post

7+ TT

Typical Panel Mounting

on W-shape Sign Posts

Extend post a

maximum 1/3"

above panel

Sign panel face

- Bottom edge

of sign panel

Ground line

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(see Standard

- W-shape sign post

Base connection

Anchor plate

(see Standard

W-shape pile

Drawing D-754-14)

(same size as post)

Hinge plate

(see detail)

Drawing D-754-14)

Top base plate

Bottom base plate

High strength bolt with heavy

hex nut and 3 washers. See

table for bolt dia, and torque.

Flange thickness

sign post

Section A-A

A/2

Perforated fuse plate

Bearing-type connection,

(see detail)

See Assembly Procedure.

Remove all galvanizing

runs or beads in washer

Ground line