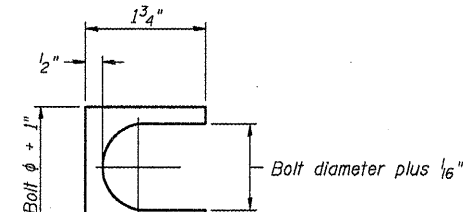


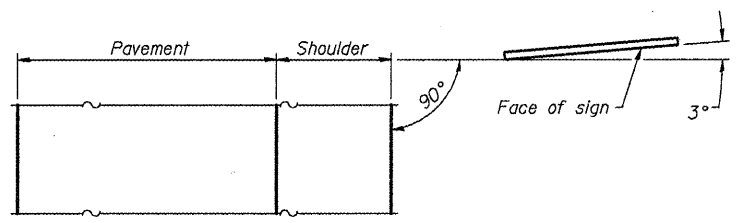
ELEVATION

0.15W	2 spaces at 0.35W	0.15W	for 3 posts
0.125W	3 spaces at 0.25W	0.125W	for 4 posts
0.1W	4 spaces at 0.2W	0.1W	for 5 posts
0.1W	5 spaces at 0.16W	0.1W	for 6 posts
0.08W	6 spaces at 0.14W	0.08W	for 7 posts

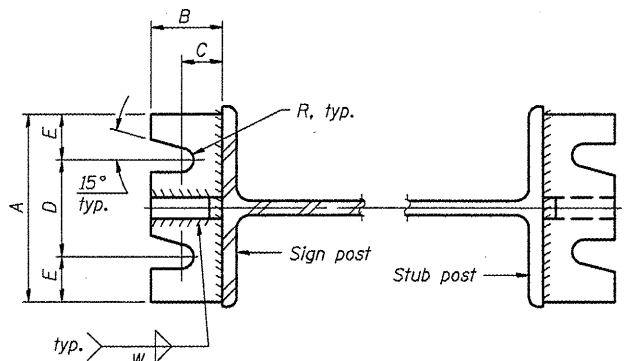


SHIM DETAIL

Furnish two 0.01" thick and two 0.03" thick stainless steel or brass (ASTM B36) shims per post.

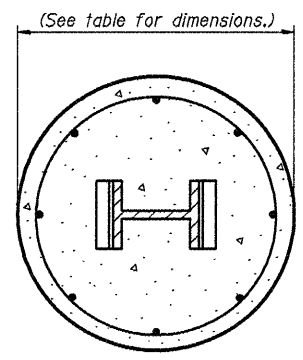


LOCATION SKETCH

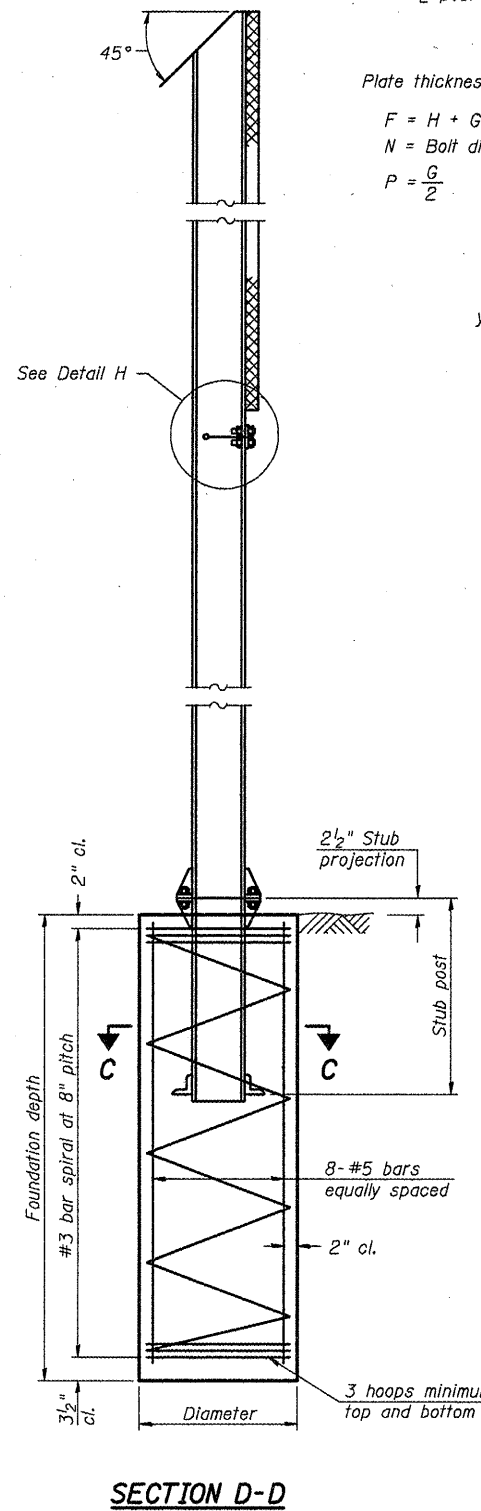


SECTION A-A

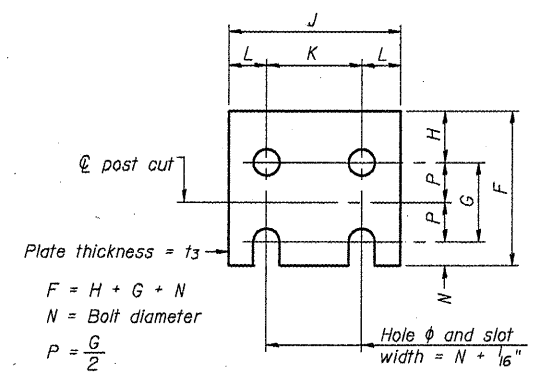
SECTION B-B



SECTION C-C



SECTION D-D



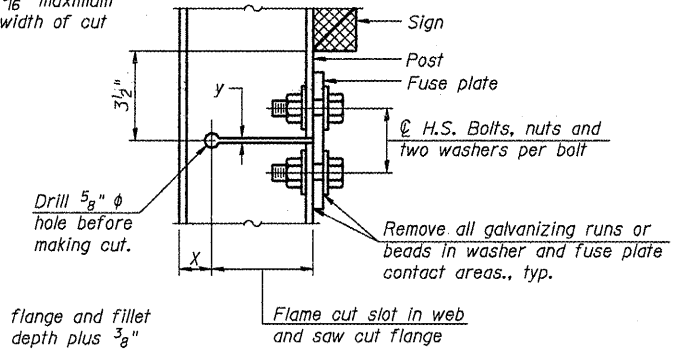
FUSE PLATE DETAIL

(Install with notches down.)

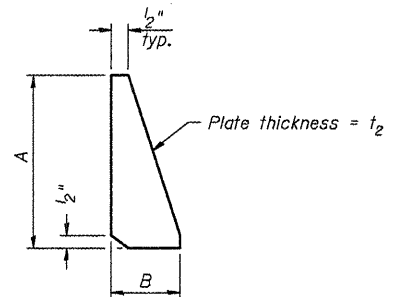
Plate thickness = t_3
 $F = H + G + N$
 $N = \text{Bolt diameter}$
 $P = \frac{G}{2}$

N = Bolt Diameter	G	H
1/2"	2"	1 1/8"
5/8"	2 1/4"	1 1/4"
3/4"	2 1/2"	1 3/8"
7/8"	2 3/4"	1 1/2"
1"	3"	1 5/8"
1 1/8"	3 1/4"	1 3/4"
1 1/4"	3 1/2"	1 7/8"

$y = \frac{3}{16}$ " maximum width of cut



DETAIL H



STIFFENER PLATE DETAIL

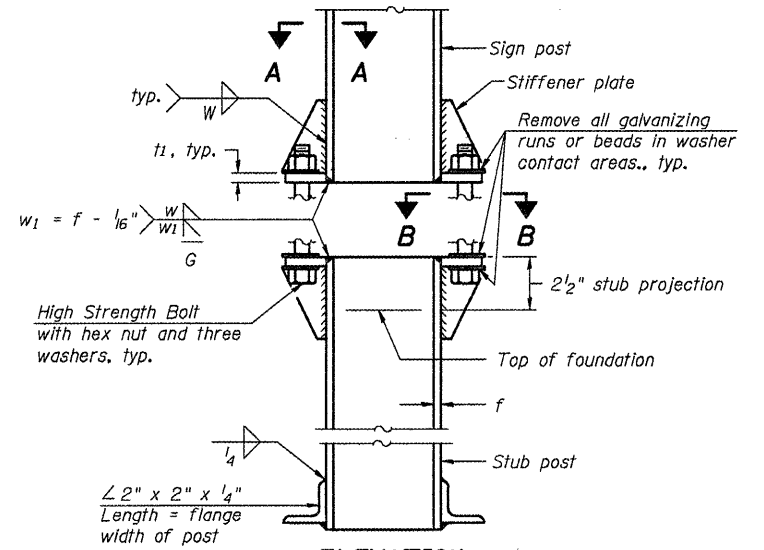
GENERAL NOTES

Posts shall be plumbed by using shims with post-to-stub post connection bolts snug tight only. Final tightening of all High Strength Bolts shall be in accordance with Article 727.05 and threads at the junction of the bolt and nut shall be burred or center punched to prevent the nut from loosening.

LOADING: 80 m.p.h. wind with 30% gust factor, normal to sign.

DESIGN STRESSES:
 Structural steel - 20,000 p.s.i.
 Reinforcing steel - 20,000 p.s.i.
 Concrete - 1,400 p.s.i.
 Footing soil pressure - 2,000 p.s.f.

After fabrication, the post, fuse plate and upper 6", min. of the stub post shall be hot-dip galvanized in accordance with AASHTO M111. All bolts, nuts and washers shall be hot-dip galvanized in accordance with AASHTO M232.



ELEVATION SIGN POST & STUB POST

BAW-A-1

7-1-10

(Sheet 1 of 2)

*D-5 OVD SIN STR REPL 2011-17

FILE NAME =	USER NAME = bucklesjj	DESIGNED - JAL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BREAK-AWAY WIDE FLANGE STEEL SIGN POST DETAILS	F.A.I. R.T.C.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ca:\pwork\pwork\pwork\bucklesjj\d0241273\056140-sht-details.dgn	PLOT SCALE = 48.0000' / IN.	DRAWN - BBP	REVISED -			74	.	VERMILION	39	27	
PLOT DATE = 10/29/2010	DATE - 09/23/10	CHECKED -	REVISED -			CONTRACT NO. 46140					
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					