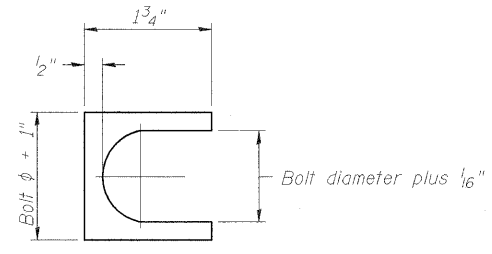


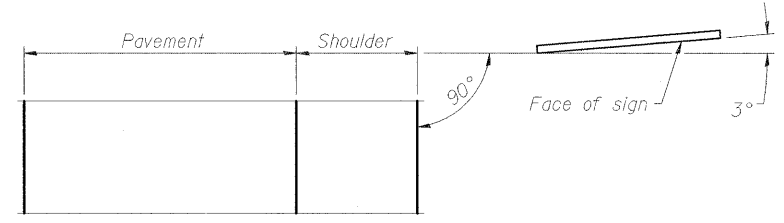
**ELEVATION**

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

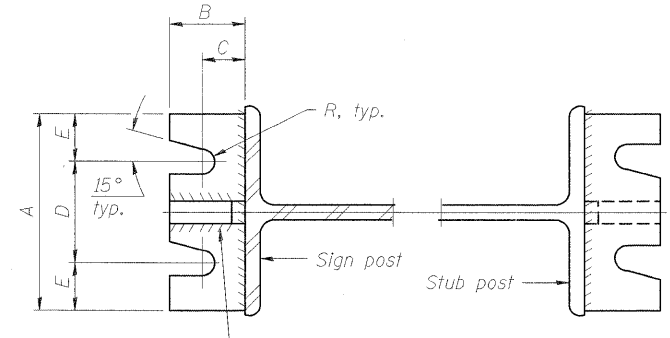


**SHIM DETAIL**

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

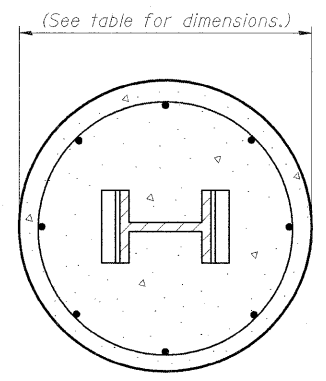


**LOCATION SKETCH**

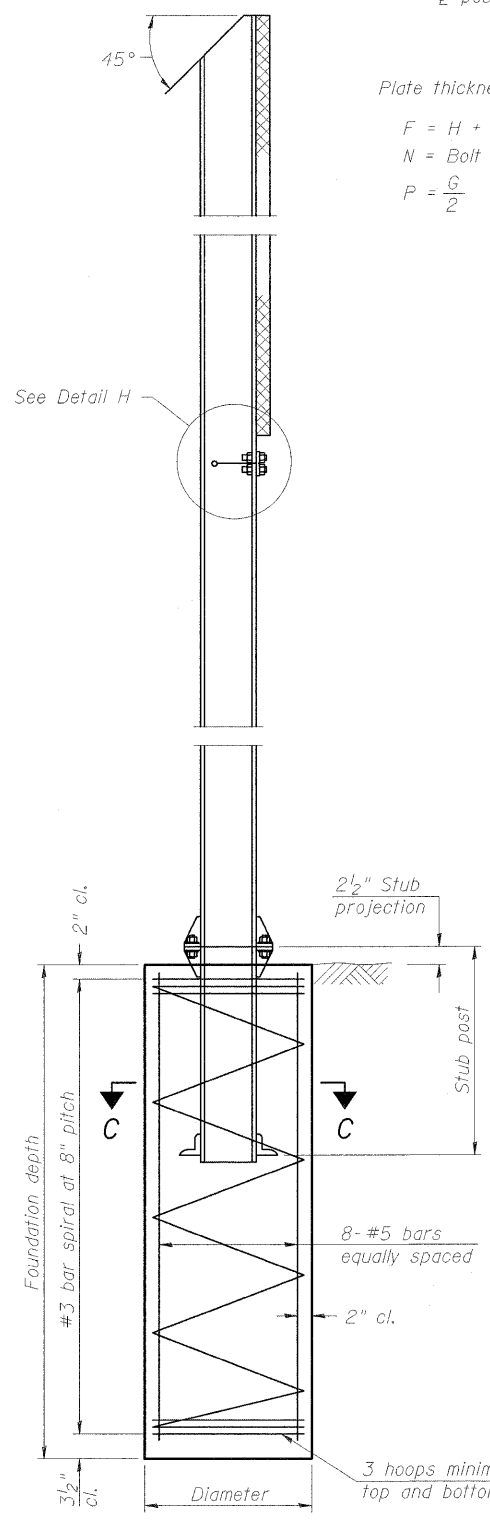


**SECTION A-A**

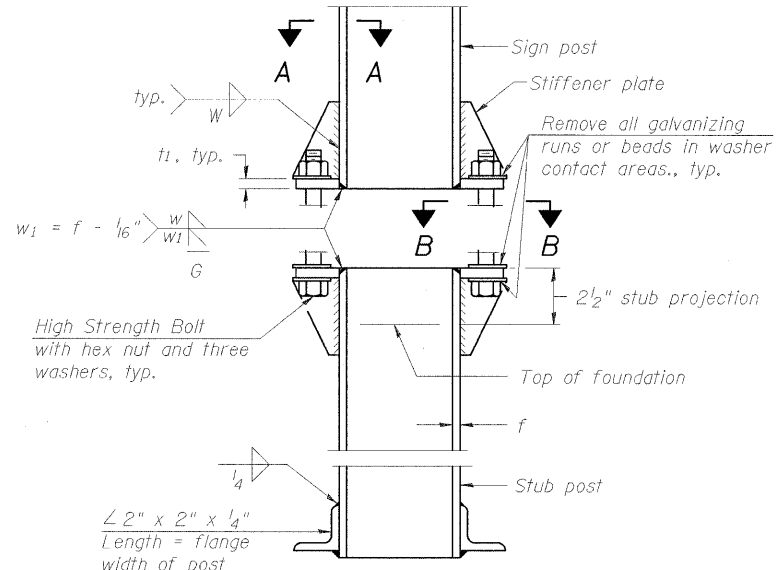
**SECTION B-B**



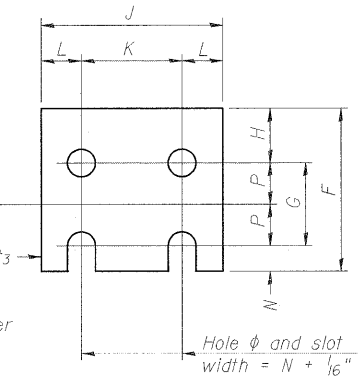
**SECTION C-C**



**SECTION D-D**



**ELEVATION  
SIGN POST & STUB POST**

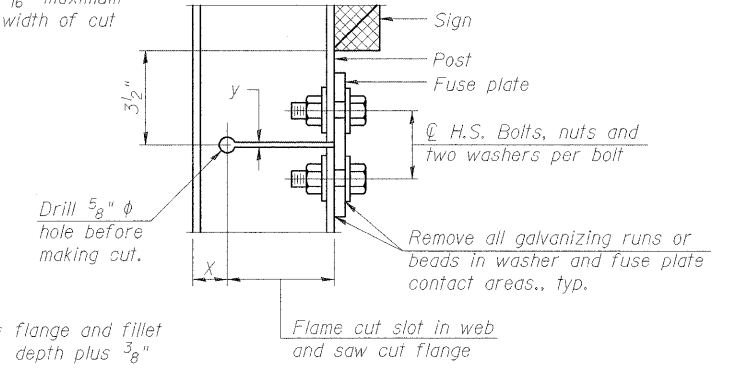


**FUSE PLATE DETAIL**  
(Install with notches down.)

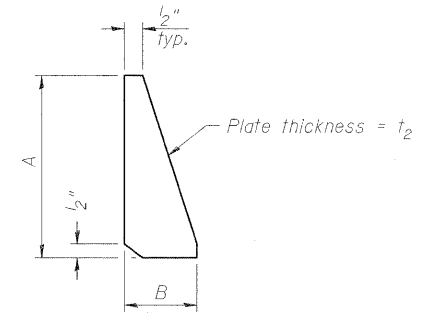
N = Bolt Diameter	G	H
1/2"	2"	1 1/8"
5/8"	2 1/4"	1 1/4"
3/4"	2 1/2"	1 3/8"
7/8"	2 3/4"	1 1/2"
1"	3"	1 5/8"
1 1/8"	3 1/4"	1 3/4"
1 1/4"	3 1/2"	1 7/8"

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

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



**DETAIL H**



**STIFFENER PLATE DETAIL**  
Diameter

**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.

Work this sheet with Base Sheet BAW-A-2.

BAW-A-1

1-20-11

(Sheet 1 of 2)

FILE NAME = ...ND978182-sht-sign106-Wide Flange-BAW-A	USER NAME = Rob Heady	DESIGNED - JH	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>BREAK-AWAY WIDE FLANGE STEEL SIGN POST DETAILS</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 50.000000 "/ IN.	DRAWN - JH	REVISOR -	• (X1-6-2)HBK-2, HB-1,2; (IX-JR)-1			WILLIAMSON	968	518		
PLOT DATE = 10/7/2011	CHECKED - SD	REVISOR -	• F.A.I. 57 AND F.A.P. 331			CONTRACT NO. 78182				
	DATE - 10/07/11	REVISOR -	ILLINOIS FED. AID PROJECT							
SCALE:		SHEET NO. 1 OF 2 SHEETS		STA.	TO STA.					