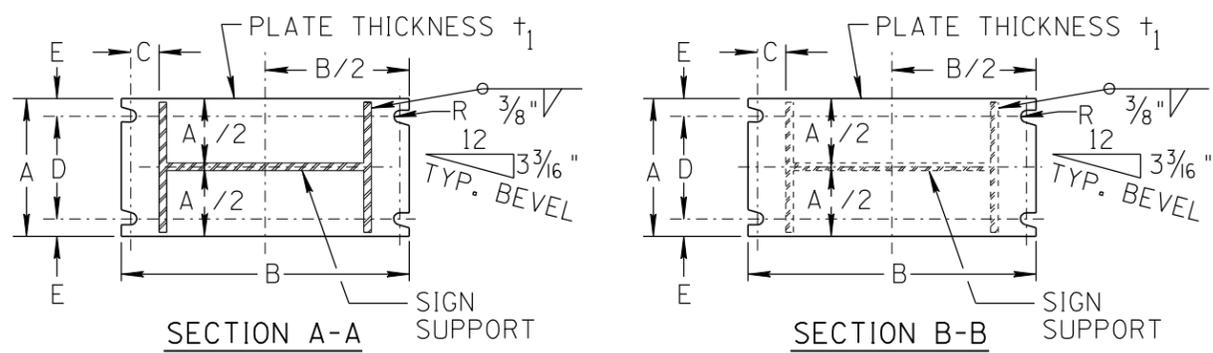
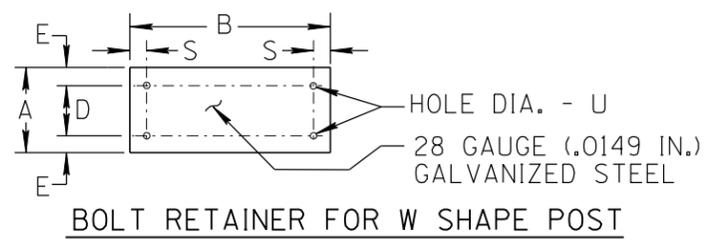
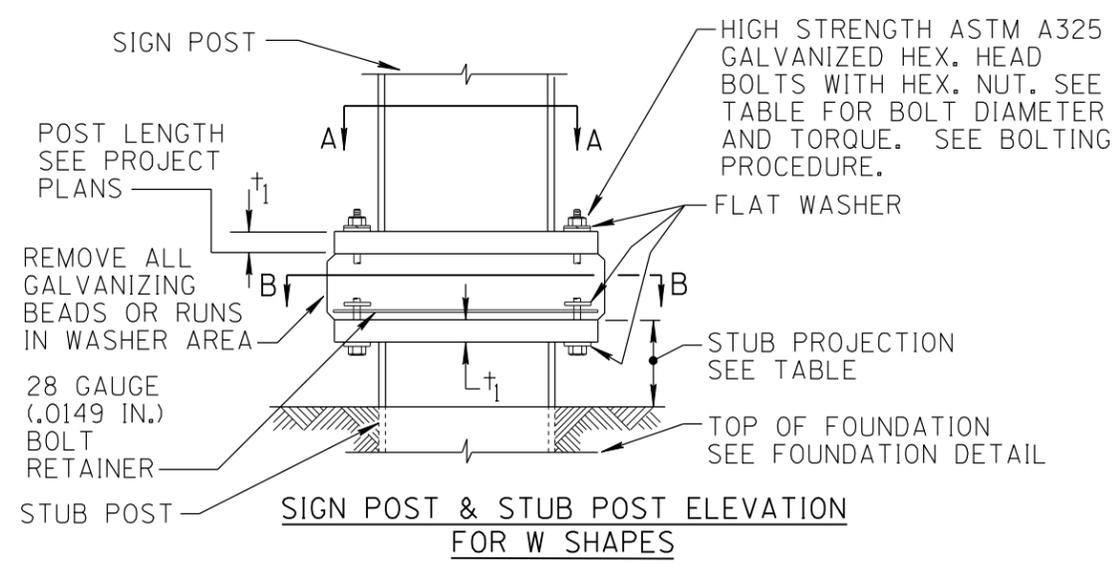


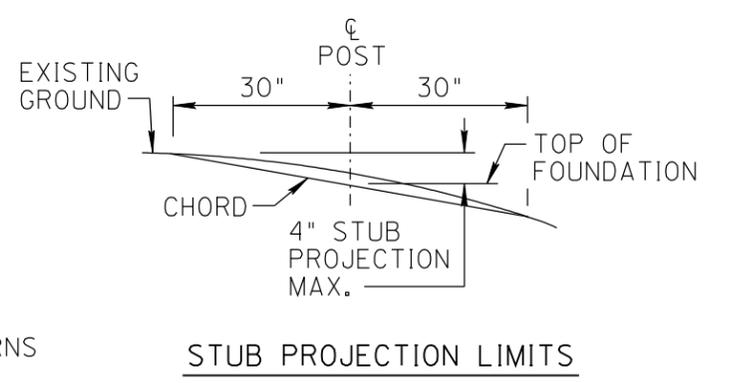
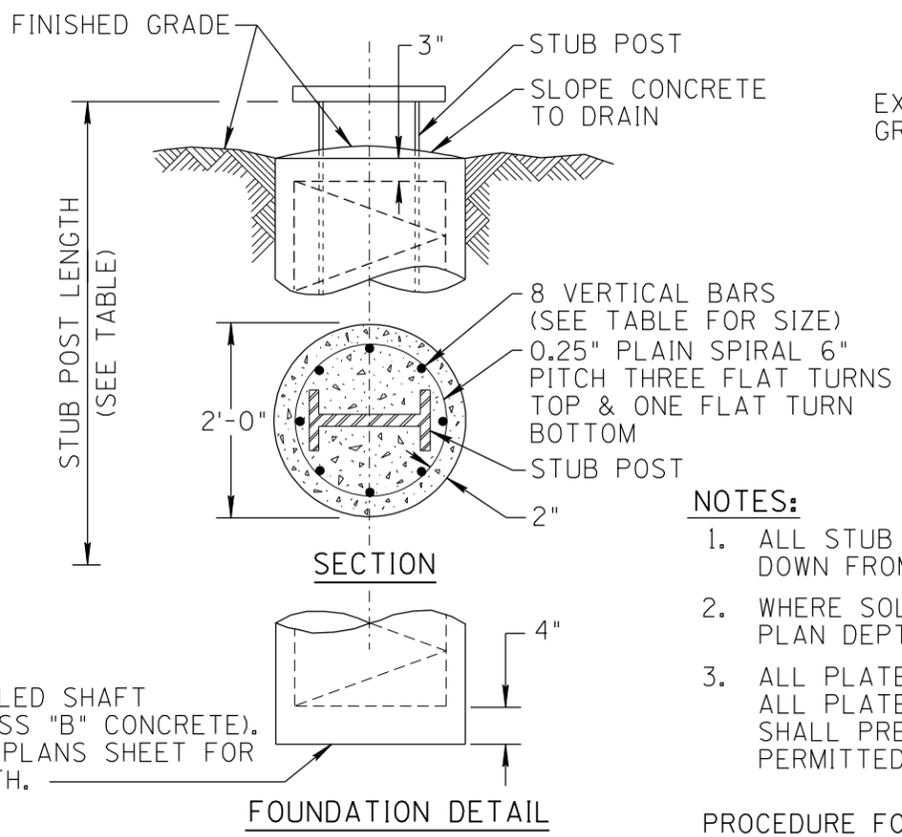
DATE 10/10 8/11  
 MADE BY PARSONS BRINCKERHOFF L. LOPEZ  
 DESCRIPTION OF REVISIONS  
 NO. 1 CHANGED BORDER 2 RE-ISSUED  
 NO. 3 REVISED AND RE-ISSUED, ADDED NEW BORDER. 4 REVISED, BASE CONNECTION DATA TABLE, AND RE-ISSUED.  
 DATE 8/00 3/02  
 MADE BY L. LOPEZ L. LOPEZ



SECTIONS SHOWN ARE FOR INSTALLATIONS ON RIGHT SHOULDER AND GORE. PLATE SLOT BEVELS ARE OPPOSITE HAND FROM THAT SHOWN FOR INSTALLATION ON LEFT SHOULDER.

BASE CONNECTION DATA TABLE

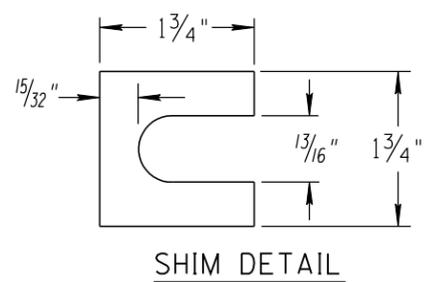
POST SIZE	BOLT SIZE AND TORQUE	DIMENSIONS FOR POST SIZES								
		A	B	C	D	E	R	t <sub>1</sub>	S	U
W6x12	5/8" DIA. x 3" TORQUE = 19 TO 29 FOOT-LBS	5 3/4"	10"	1/4"	2 3/4"	1 1/2"	11/32"	3/4"	3/4"	11/16"
W8x18	5/8" DIA. x 3" TORQUE = 19 TO 29 FOOT-LBS	5 3/4"	12 1/8"	1/4"	2 3/4"	1 1/2"	11/32"	3/4"	3/4"	11/16"
W10x22	3/4" DIA. x 3 1/2" TORQUE = 31 TO 46 FOOT-LBS	6 1/2"	14 5/8"	1 3/8"	3 1/2"	1 1/2"	13/32"	1"	7/8"	13/16"



- NOTES:**
1. ALL STUB POSTS SHALL BE GALVANIZED A MINIMUM OF 12" DOWN FROM THE BASE OF PLATE.
  2. WHERE SOLID ROCK IS ENCOUNTERED, FOUNDATION SHALL BE PLAN DEPTH OR EXTENDED 2' MINIMUM INTO THE ROCK.
  3. ALL PLATES SHALL BE ASTM A572 GRADE 50. ALL PLATE HOLES SHALL BE DRILLED. ALL PLATE CUTS SHALL PREFERABLY BE SAWCUTS; FLAME CUTTING WILL BE PERMITTED, PROVIDED ALL EDGES ARE GROUND SMOOTH.

**PROCEDURE FOR BOLTING & ASSEMBLY OF BASE CONNECTION**

1. ASSEMBLE POST TO STUB WITH BOLTS AND WITH ONE FLAT WASHER ON EACH BOLT BETWEEN PLATES.
2. SHIM AS REQUIRED TO PLUMB POST. (4 SHIMS PER BOLT MAXIMUM)
3. TIGHTEN ALL BOLTS THE MAXIMUM POSSIBLE WITH 12" TO 15" WRENCH TO BED WASHERS AND SHIMS AND TO CLEAN BOLT THREADS, THEN LOOSEN EACH BOLT IN TURN AND RETIGHTEN BOLTS IN A SYSTEMATIC ORDER TO THE PRESCRIBED TORQUE (SEE TABLE). TIGHTEN THE BOLTS IN THE BASE CONNECTION TO THE TORQUE SHOWN. DO NOT OVERTIGHTEN.
4. DO NOT BURR THREADS AT JUNCTION.



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 A.S.T.M. - B - 36. FOUR SHIMS PER BOLT MAXIMUM.

FOUNDATION DATA			APPROXIMATE QUANTITIES PER LIN. FT.	FOUNDATION DEPTH (SEE NOTE 2 ALSO)		
POST SIZE	STUB LENGTH	STUB PROJECTION		SLOPES ≤ 4:1	SLOPES > 4:1	
W6x12	2'-0"	3"	CONC. CU. YD.	STEEL LBS.	TWO, THREE OR FOUR POSTS	TWO, THREE OR FOUR POSTS
W8x18	2'-6"	3"	0.116	8.9	6'-0"	6'-0"
W10x22	3'-0"	2 1/2"	0.116	16.3	7'-0"	7'-6"
			0.116	26.5	8'-0"	8'-6"

NOT TO SCALE

DESIGN APPROVED  
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 INTERMODAL TRANSPORTATION DIVISION  
 TRAFFIC SIGNING & MARKING  
 STANDARD DRAWINGS  
 BREAKAWAY POST DETAILS  
 FOR  
 W SHAPE GUIDE SIGNS  
 REVISION 8/11  
 DRAWING NO. S-5  
 SHEET NO. 1 OF 1