SQUARE TUBE POST TYPES	
2S	2"x2" 12 gauge perforated square tube post
2T	Telescoping assembly of a 1¾"x1¾" 12 gauge square tube post inside a 2"x2" 12 gauge perforated square tube post (typically used only for maintenance activities)
2½S	2½"x2½" 12 gauge perforated square tube post
2½T	Telescoping assembly of a 2¼"x2¼" 12 gauge square tube post inside a 2½"x2½" 12 gauge perforated square tube post

SIGN PANEL BOLT HOLE DRILLING (SINGLE POST - RECTANGULAR)				
Panel Height	6"-12"	18"	18"-36"	48"-60"
Hole Drilling (top or bottom of panel to center of hole)	1"	1½"	3"	6"

NOTES:

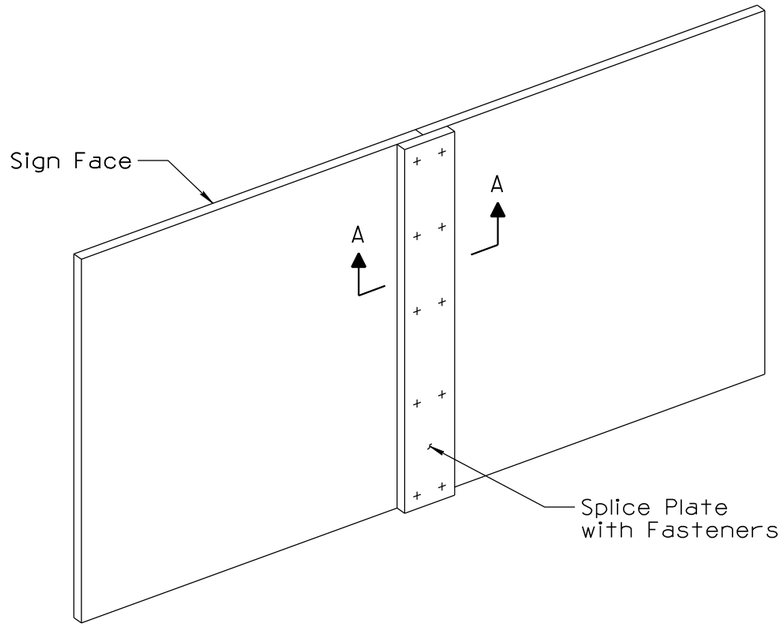
1. Slip bases shall be installed in accordance with the slip base selection chart, except that slip bases may be omitted on signs installed behind guardrail or barrier, or outside the clear zone.
2. The use of splices in aluminum flat-sheet panels should be avoided. If a splice is necessary, it shall be performed in accordance with the panel splice detail.
3. The use of splices in retroreflective sheeting shall only be permitted on signs with a minimum dimension of 54 inches or greater.
4. Where telescoping posts (2T and 2½T) are used in location at elevations above 5,000 feet, the outside post shall extend the entire length of the sign post. In other locations, the outside post may be discontinued between 2 and 6 inches below the bottom edge of the lower sign panel (See Std Dwg S-3, sheet 14).
5. For signs not in the tables in areas outside special wind regions, the following formula may be used:
   Bending Stress (ft-lb) = Total Sign Size (sq-ft) x Weighted Average Centroid Height (ft) x 24.5 psf.
   For calculation purposes, use the following maximum allowable bending stresses per post:

   2S: 1,240 ft-lb

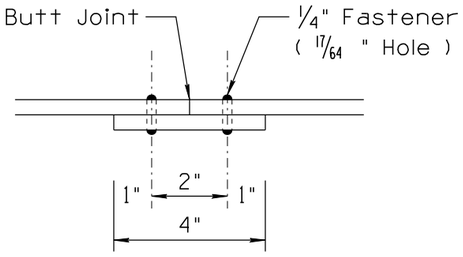
   2½S: 2,130 ft-lb

   2½T: 3,610 ft-lb

   For signs in special wind regions, the wind pressure may be adjusted based on engineering judgement. A default value of 30 psf may be used for special wind regions if a site-specific value is not available.
6. For maintenance activities, 2T posts may be substituted for 2½S posts with the approval of the Regional Traffic Engineer.
7. Mounting holes should be pre-drilled in sign panels intended for mounting on one post. See the chart for spacing. Sign panels mounted on multiple posts may be field drilled to match existing posts and stringer spacing.
8. For post recommendations for special sign assemblies (multiple route markers side by side, divided highway STOP / ONE WAY assemblies, etc.), see sheets 12 and 13.



PANEL SPLICE DETAIL



SECTION A-A

PANEL SPLICE NOTES:

A) Splice plates, if used, shall be fabricated of the same material as the sign panel, with a minimum thickness equal to the sign panel.

B) Fasteners shall be evenly spaced no greater than 15" on centers. The centers of the fasteners on the ends of each splice plate shall be located 1" from the edge of the splice plate.

C) Fasteners may be rivets or bolts. All hardware for fasteners shall be non-corrosive or plated.

SLIP BASE SELECTION CHART			
Number of Post in Sign Assembly	2S	2½S	2½T
1 POST	NO	NO	SLIP BASE
2 POST	NO	SLIP BASE	SLIP BASE
3 POST	SLIP BASE	SLIP BASE	SLIP BASE

NOT TO SCALE

NO	DESCRIPTION OF REVISIONS	MADE BY	DATE
1	ORIGINAL ISSUE		
2		L. LOPEZ	6/14
3			
4			

DESIGN APPROVED SIGNATURES	ARIZONA DEPARTMENT OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION TRAFFIC SIGNING & MARKING STANDARD DRAWINGS	REVISION 6/14 DRAWING NO. S-3
APPROVED FOR DISTRIBUTION ON FILE	FLAT SHEET SIGNS SQUARE TUBE POST GENERAL NOTES	SHEET NO. 1 of 16