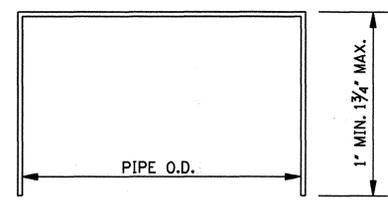
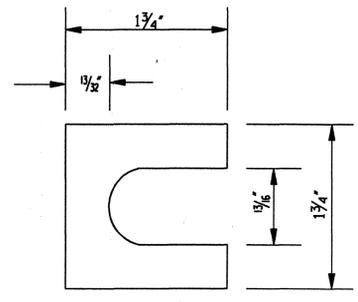


**MULTI-DIRECTIONAL SIGN POST & STUB POST**

H.S. HEX. BOLT  
3 REQUIRED, SEE  
TABLE FOR SIZE.  
3 WASHERS ALSO  
REQUIRED PER BOLT.

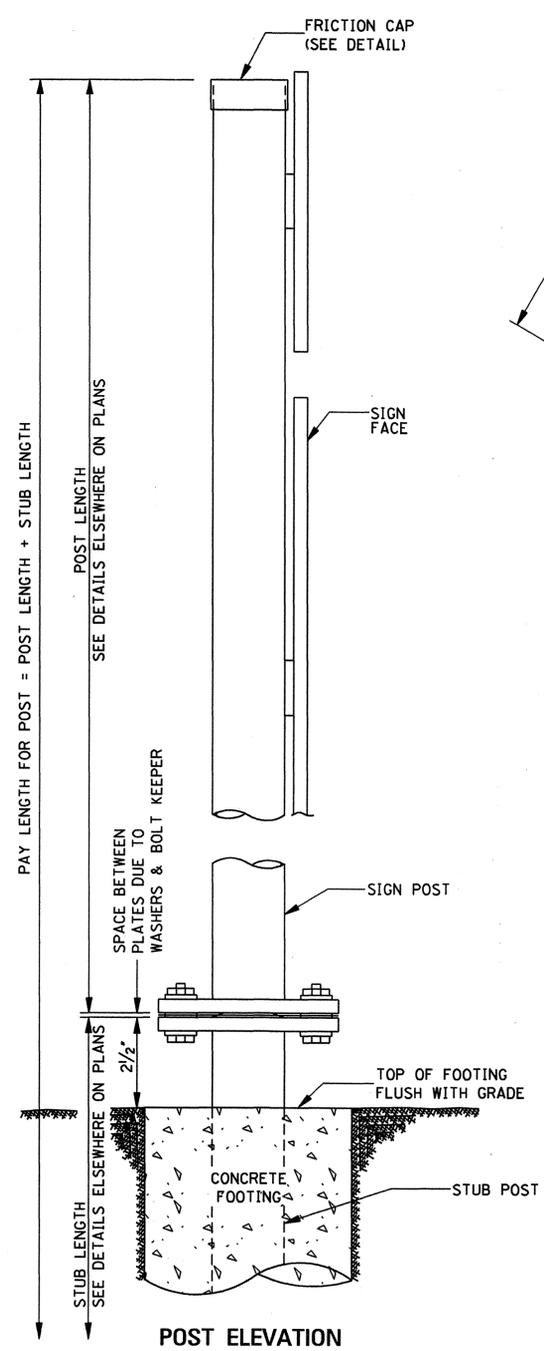


**FRICTION CAP DETAIL**  
NOTE: SEE NOTE 3

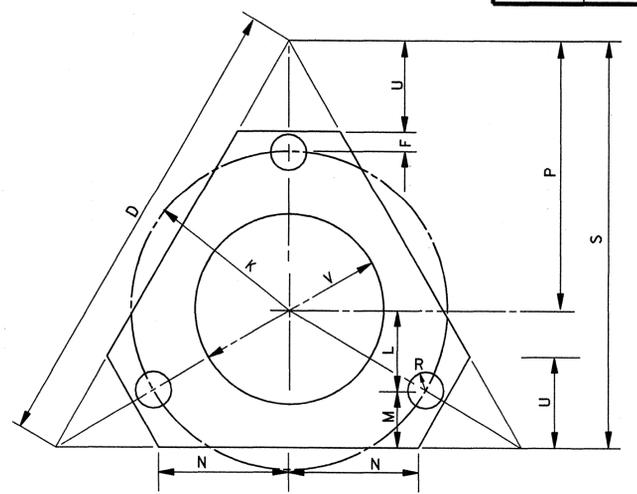


**SHIM DETAIL**

NOTE: FURNISH 2-0.012" ± THICK AND  
2-0.032" ± THICK SHIMS PER POST. SHIMS  
SHALL BE FABRICATED FROM BRASS SHIM  
STOCK OR STRIP CONFORMING TO  
ASTM B 36.



**POST ELEVATION**

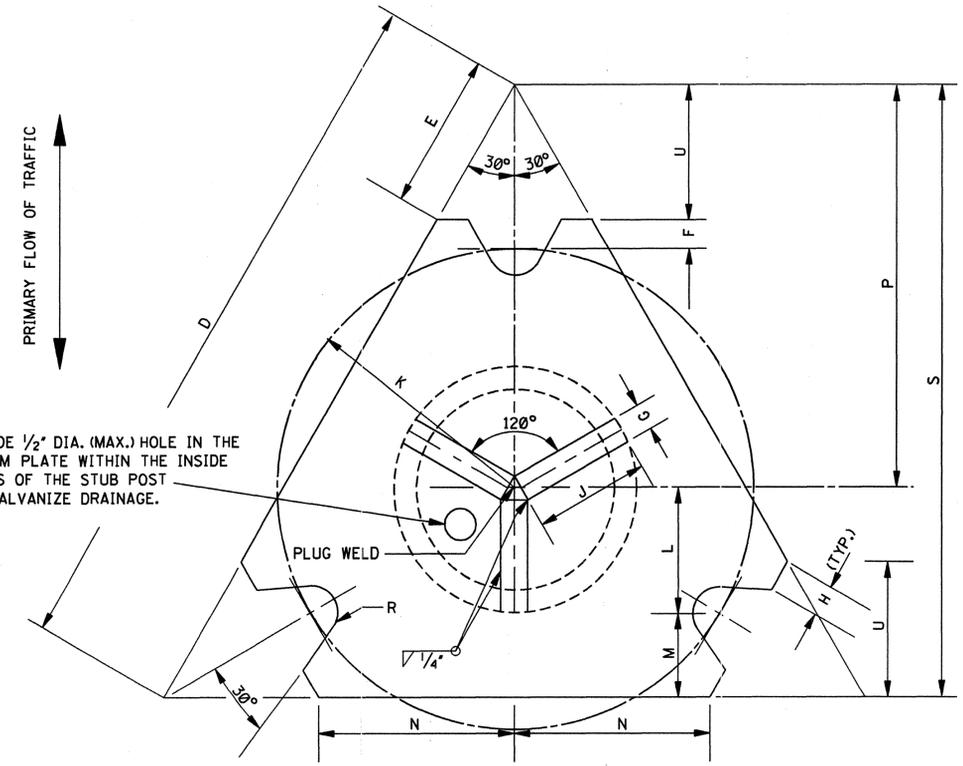


**BOLT KEEPER PLATE DETAIL**

NOTE: TO BE FABRICATED FROM 28 GAGE  
THICK GALVANIZED STEEL. TO BE INSTALLED  
AS SHOWN IN DETAIL AT UPPER LEFT.

GENERAL NOTES: (SEE SN-6 FOR ADDITIONAL GENERAL NOTES)

- THE TOP PLATE OF THE TRIANGULAR SLIP BASE SHALL HAVE THE SAME EXTERIOR DIMENSIONS AS THE BOTTOM PLATE. THE LIFTING CONE SHALL BE WELDED TO THE BOTTOM PLATE ONLY. A HOLE EQUAL TO THE INSIDE DIAMETER OF THE SIGN POST SHALL BE CUT THROUGH THE CENTER OF THE TOP PLATE WITH THE HOLE EDGE BEVELED AS DETAILED. TOP & BOTTOM PLATES SHALL BE SYMMETRICAL FOR THE PURPOSE OF ASSEMBLY IN ANY POSITION.
- BASE CONNECTION ASSEMBLY AS FOLLOWS:
  - ASSEMBLE POST TO STUB WITH 3 BOLTS AND WITH 3 FLAT WASHERS PER BOLT.
  - SHIM AS REQUIRED TO PLUMB POST.
  - TIGHTEN ALL BOLTS THE MAXIMUM POSSIBLE WITH A 12" TO 15" WRENCH TO BED WASHERS, KEEPER PLATE, SHIMS AND TO CLEAN THREADS.
  - LOOSEN EACH BOLT IN TURN & RETIGHTEN IN A SYSTEMATIC ORDER TO PRESCRIBED TORQUE. (SEE BASE CONNECTION DATA TABLE).
  - BURR THREADS AT JUNCTION WITH NUT WITH A CENTER PUNCH TO PREVENT NUT FROM LOOSENING.
- FRICTION CAPS TO BE MANUFACTURED FROM HOT ROLLED OR COLD ROLLED STEEL SHEETS. FOR ALL PIPE SIZES, MINIMUM THICKNESS SHALL BE 20 GAGE SHEET METAL. RIM EDGES SHALL BE REASONABLY STRAIGHT AND SMOOTH. CAPS SHALL BE SIZED AND FORMED IN SUCH A MANNER AS TO PROVIDE A DRIVE-ON FRICTION FIT AND HAVE NO TENDENCY TO ROCK WHEN SEATED ON PIPE. THE DEPTH SHALL BE SUFFICIENT TO GIVE POSITIVE PROTECTION AGAINST ENTRANCE OF RAINWATER. THEY SHALL BE FREE OF SHARP CREASES OR INDENTATIONS AND SHOW NO SIGNS OF METAL FRACTURE. ALL CAPS TO BE SAME IN SHAPE AND GENERAL APPEARANCE AS APPROVED BY THE ENGINEER.
- STUB PROJECTION SHOULD BE MEASURED OVER A 5'-0" CHORD AS PER AASHTO SPECIFICATIONS, LATEST EDITIONS. SEE SHEET SN-6A FOR DIAGRAM.



**SECTION A-A**  
NOTE: SEE DATA TABLE FOR DIMENSIONS

BASE CONNECTION DATA TABLE																			
DIMENSIONS NOMINAL PIPE SIZES	BOLT SIZE & TORQUE	T	W	C	*D	*E	F	G	*H	J	K	L	M	*N	P	S	U	V	R
3"	5/8" X 2 1/2"	3/8"	3/8"	1"	10 3/8"	2 3/16"	1/2"	3/8"	1/2"	1 3/4"	3/2"	1 3/4"	1 1/4"	2 7/8"	6"	9"	2"	4 1/4"	1 1/2"
3 1/2"	300 In. lbs																		
4"	3/4" X 3"	7/8"	7/8"	1 1/16"	13"	2 7/8"	1/2"	3/8"	5/8"	2 1/2"	4 1/2"	2 1/4"	1 1/2"	3 5/8"	7 1/2"	11 1/4"	2 1/2"	5 3/4"	1 3/2"
5"	500 In. lbs																		

\*NOTE: APPROXIMATE DIMENSIONS

BY		MISSISSIPPI DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN DIVISION STANDARD PLAN	
REVISION		<p align="center"><b>BREAKAWAY SIGN SUPPORTS</b></p>	
DATE			
ISSUE DATE:		OCTOBER 1, 1998	
WORKING NUMBER		SN-6B	
SHEET NUMBER		231	