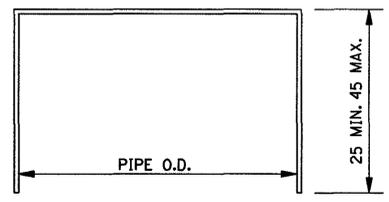
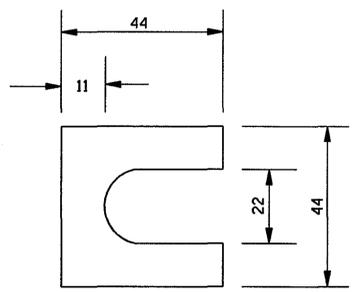


MULTI-DIRECTIONAL SIGN POST & STUB POST

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

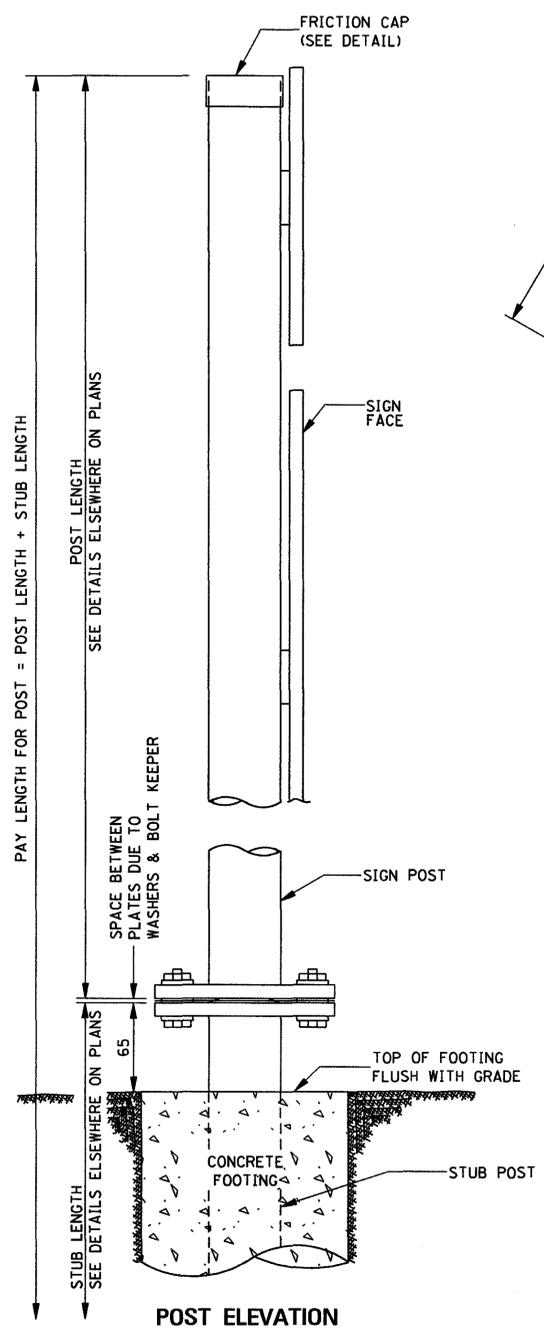


FRICION CAP DETAIL
NOTE: SEE NOTE 3

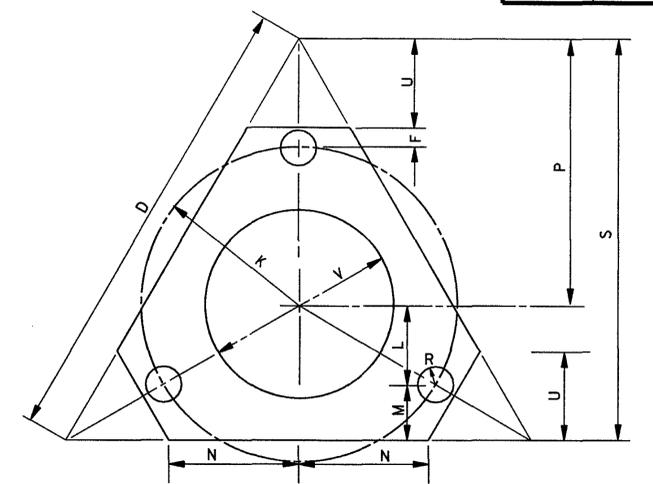


SHIM DETAIL

NOTE: FURNISH 2-0.30 mm ± THICK AND 2-0.81 mm ± THICK SHIMS PER POST. SHIMS SHALL BE FABRICATED FROM BRASS SHIM STOCK OR STRIP CONFORMING TO ASTM B 36M.



POST ELEVATION



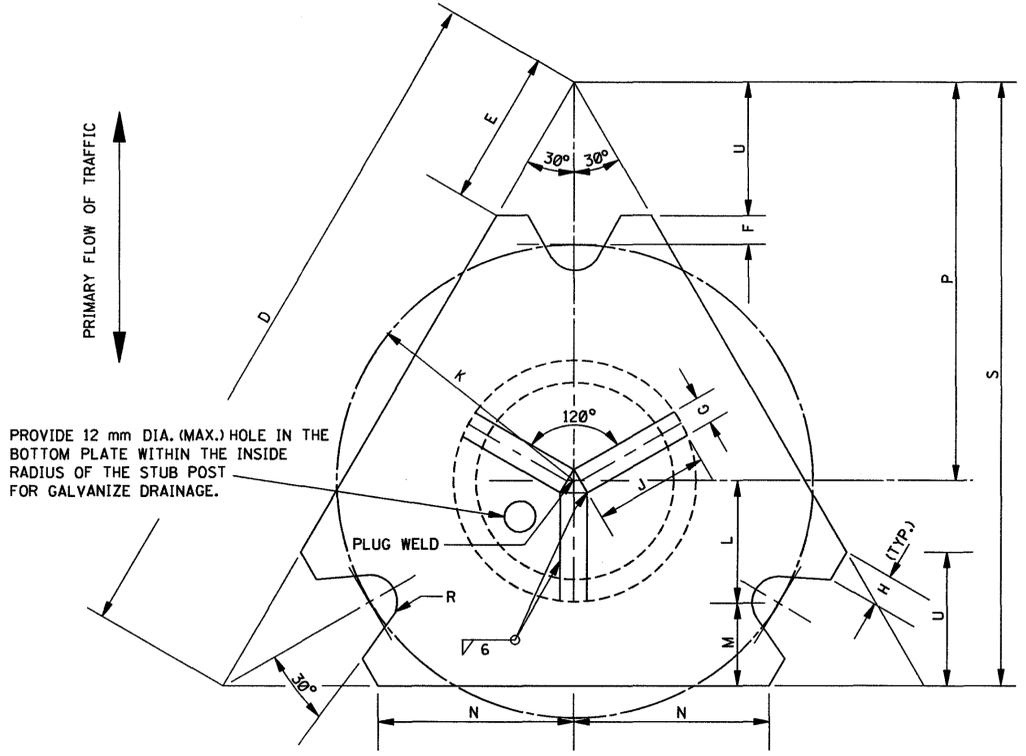
BOLT KEEPER PLATE DETAIL

NOTE: TO BE FABRICATED FROM 0.47 mm 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 300 mm TO 375 mm 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.
- FRICION CAPS TO BE MANUFACTURED FROM HOT ROLLED OR COLD ROLLED STEEL SHEETS. FOR ALL PIPE SIZES, MINIMUM THICKNESS SHALL BE 1.02 mm 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 1500 mm CHORD AS PER AASHTO SPECIFICATIONS, LATEST EDITIONS. SEE SHEET SN-6A FOR DIAGRAM.

ALL DIMENSIONS ARE IN MILLIMETERS (mm) EXCEPT WHERE NOTED.



SECTION A-A

NOTE: SEE DATA TABLE FOR DIMENSIONS

| 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 |
|-------------------------------|--------------------|----|----|----|-----|----|----|----|----|----|-----|----|----|----|-----|-----|----|-----|----|
| DN75 | M16 X 65 LONG | 16 | 10 | 25 | 264 | 60 | 12 | 10 | 12 | 44 | 90 | 44 | 32 | 72 | 154 | 230 | 52 | 110 | 9 |
| DN90 | 34 N·m | | | | | | | | | | | | | | | | | | |
| DN100 | M20 X 75 | 22 | 12 | 36 | 330 | 73 | 12 | 10 | 16 | 64 | 114 | 56 | 38 | 92 | 190 | 284 | 64 | 150 | 11 |
| DN125 | 56 N·m | | | | | | | | | | | | | | | | | | |

*NOTE: APPROXIMATE DIMENSIONS

| | |
|----------------|------------------------------------------|
| BY | MISSISSIPPI DEPARTMENT OF TRANSPORTATION |
| REVISION | ROADWAY DESIGN DIVISION |
| | STANDARD PLAN |
| | BREAKAWAY SIGN SUPPORTS |
| WORKING NUMBER | SN-6B |
| SHEET NUMBER | 231 |
| DATE | ISSUE DATE: OCTOBER 1, 1998 |

