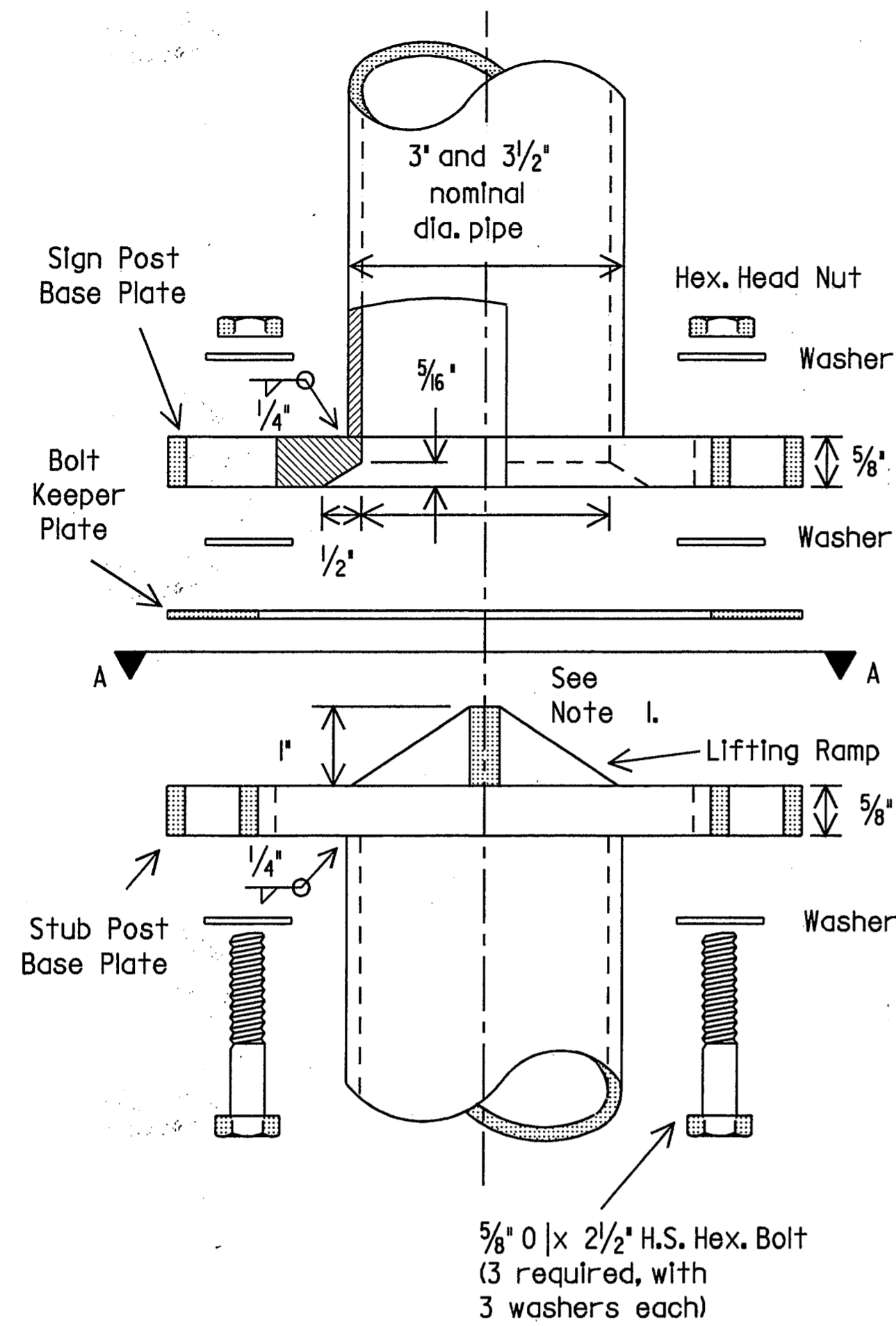
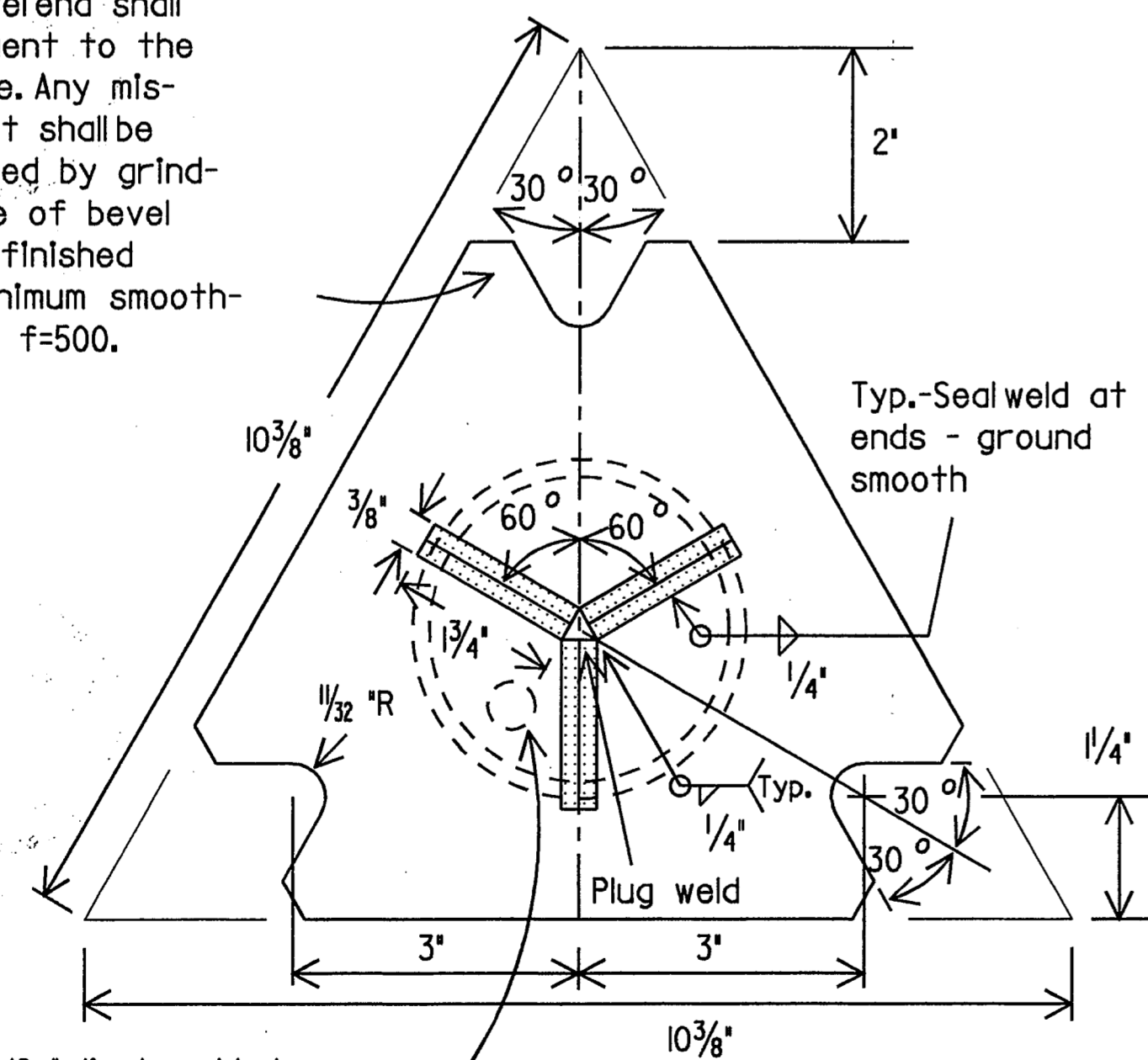


TRIANGULAR SLIP BASE DETAILS



SIGN POST & STUB POST ELEVATION

The bevel end shall be tangent to the bolt hole. Any misalignment shall be corrected by grinding. Face of bevel shall be finished to a minimum smoothness of f=500.



VIEW A-A

Provide 1/2" dia. (max.) hole in the Stub Post Base Plate within the inside radius of the stub post for galvanized drainage.

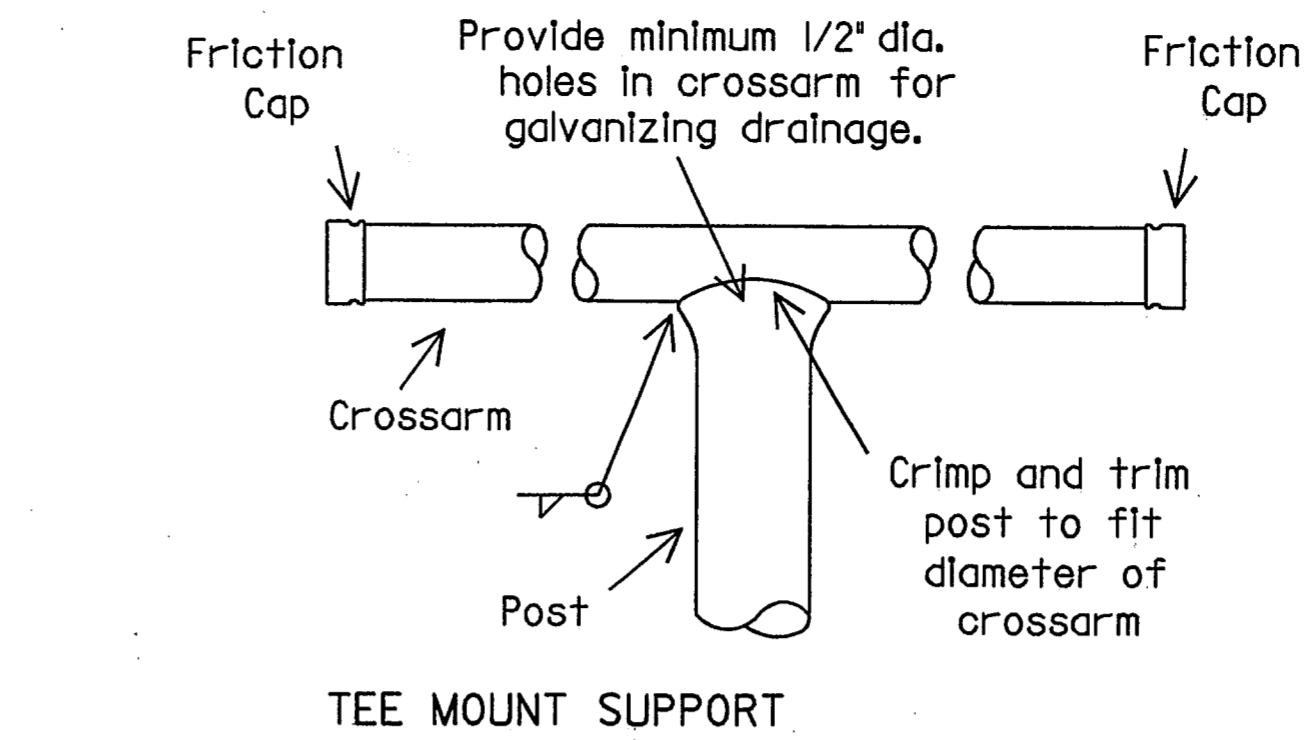
TRIANGULAR SLIP BASE NOTES:

- The lifting device may consist of welded ramps or a conical shape formed into the center of the Stub Post Base Plate.
- The Sign Post Base Plate of the Triangular Slip Base shall have the same exterior dimensions as the bottom plate. The lifting device shall be a part of the Stub Post Base Plate only. A hole equal to the inside diameter of the Sign Post shall be cut through the center of the Sign Post Base Plate with the hole edge beveled as detailed.
- The Base Plates and Lifting device shall conform with the requirements of ASTM A36 or A572 Grade 50.
- All structural steel shall be galvanized in accordance with ASTM A123. The entire support shall be galvanized from the top down to a minimum depth of 6 inches into the foundation. All nuts, bolts and washers shall be galvanized in accordance with ASTM Designation: B695 Class 50 or A153 Class C or D.
- All high strength bolts shall conform to ASTM A325 (ASTM A449 may be substituted for ASTM A325 provided proper bolt head, nut and/or washer clearances are maintained). All high strength nuts shall be of such capacity as to develop the bolt strength.

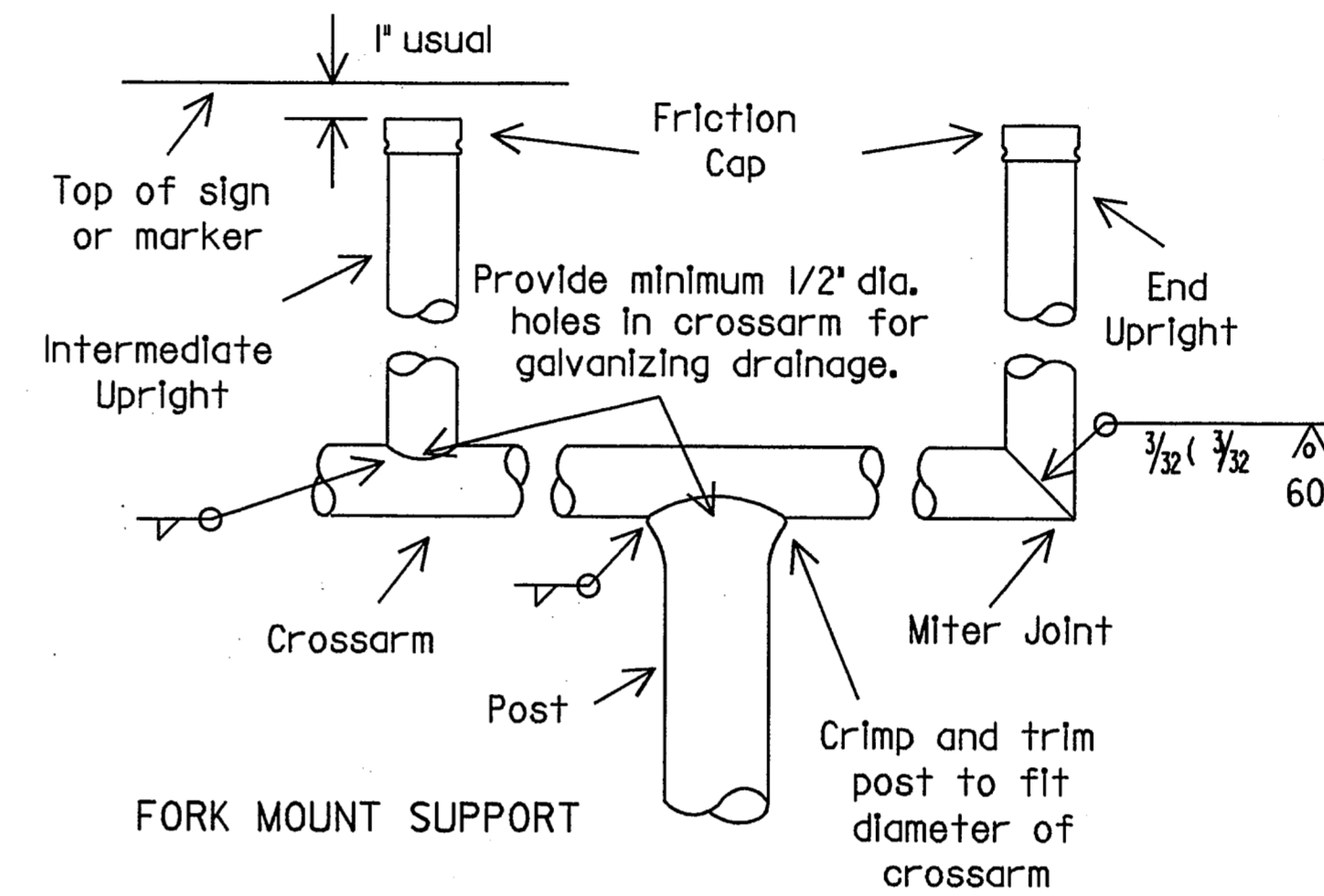
BOLTING PROCEDURE FOR ASSEMBLY OF BASE CONNECTION:

- Assemble Sign Post, Bolt Keeper Plate and Stub Post with bolts and three flat washers per bolt as shown.
- Shim as required to plumb post.
- Tighten all bolts the maximum possible with a 12 to 15 inch wrench to clean bolt threads and to bed washers and shims.
- Loosen each bolt in sequence and retighten bolts in a systematic order to the prescribed torque of 440 to 450 inch pounds or 36 to 38 foot pounds. DO NOT OVERTIGHTEN.
- To prevent nut loosening, burr threads of bolt at junction with nut using a center punch.

WELDED PIPE MOUNT DETAILS



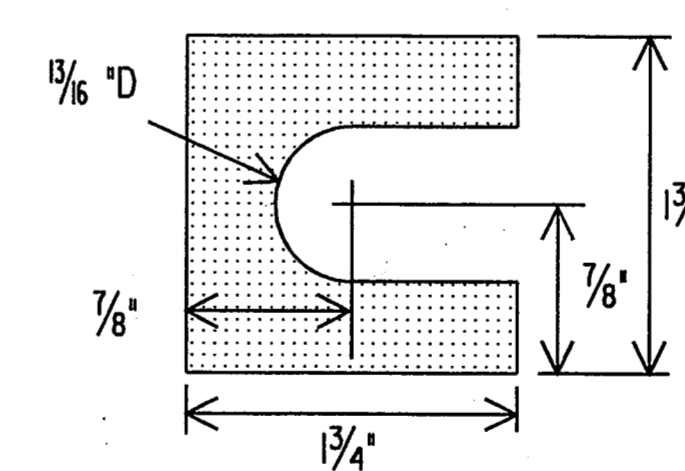
TEE MOUNT SUPPORT



FORK MOUNT SUPPORT

The contractor at his option may furnish standard weight pipe conforming to ASTM Specification A53 Grade B, A501 or any other standard weight steel pipe. Pipe may be of either electric resistance welded or seamless type, with a minimum yield strength of 35,000 PSI and a minimum elongation of 15 percent in 2 inches. Pipe shall have outside diameters and wall thicknesses which are equivalent to or better than those specified hereon.

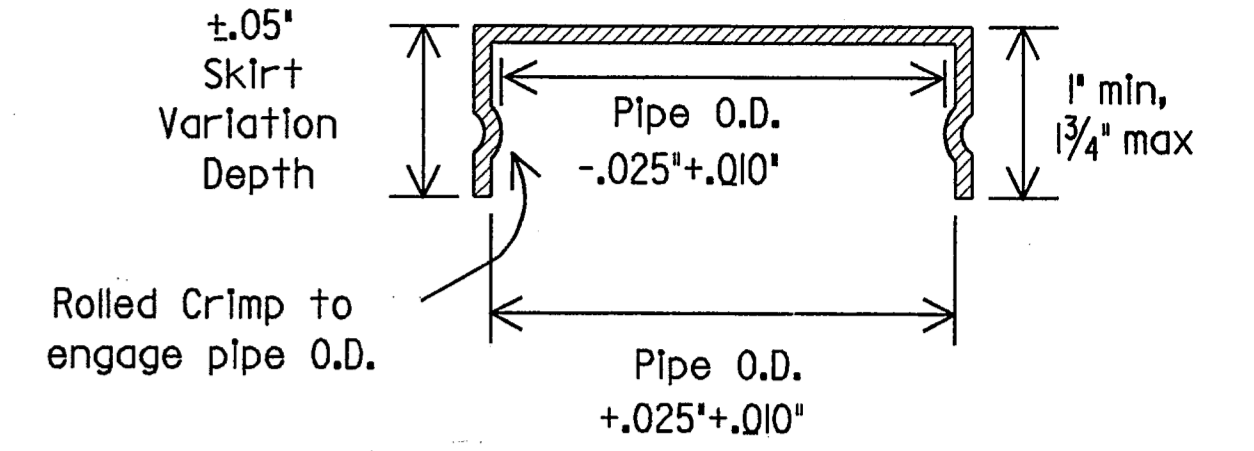
All pipes to be welded shall be of weldable quality.



SHIM

Furnish two .012" thick and two .032" thick shims per post. Shims shall be fabricated from brass shim stock or strip conforming to ASTM B36.

FRICITION CAP DETAIL



Friction caps may be manufactured from hot rolled or cold rolled steel sheets. The minimum sheet metal thickness shall be 24 gauge for all cap sizes.

The rim edges shall be reasonably straight and smooth. Caps shall be sized and formed in such a manner as to produce a drive-on friction fit and have no tendency to rock when seated on the 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 evidence of metal fracture.

Caps shall have an electrodeposited coating of zinc in accordance with the requirements of ASTM B633 Class FE/ZN 8.

GENERAL NOTES:

Support and design shall conform with AASHTO Standard Specifications for structural supports of Highway signs, luminaires and traffic signals with a design wind speed of 60 mph.

Steel pipe shall be galvanized in accordance to ASTM Designation A123.

FINAL RECORD
DRAWING
Date: 12/25/99

STANDARD PLANS
TEXAS DEPARTMENT OF TRANSPORTATION
Traffic Operations Division

SIGN MOUNTING DETAILS-
SMALL ROADSIDE SIGNS
SMD(1-3)-95

| | | | | | | |
|-------------|----------------|----------------|---------------------|---------|-----|-----------|
| ORIG. DATE: | August 1995 | DR: LR | CR: | DR: DN | CR: | REV. NO.: |
| REVISIONS | STATE DISTRICT | FEDERAL REGION | FEDERAL AID PROJECT | | | SHEET |
| | 6 | | | | | 45 |
| COUNTY | CONTROL | SECTION | JOB | HIGHWAY | | |

| | |
|-------------------|---|
| DATE: | 12/25/99 |
| LEVELS DISPLAYED: | 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 |