

Design conforms with AASHTO Specifications for the Design and Construction of Structural Supports for Highway Signs 1968. Foundation design conforms with Design Procedure compared to Full-Scale Tests of Drilled Shaft Footings, Texas Transportation Institute, February, 1970.

Materials and Fabrication shall conform to the requirements of the Kansas Highway Commission Standard Specifications and Special Provisions.

It is permissible to close the bottom of the sleeve with a metal plate.

All holes in the wood posts shall be drilled prior to treating. Preservative treatment shall be the pentachlorophenol type.

Prior to sealing the opening between wood post and top of concrete footing, place two hardwood wedges into opening on two adjacent sides of post and force down to within $\frac{1}{8}$ " of top of footing.

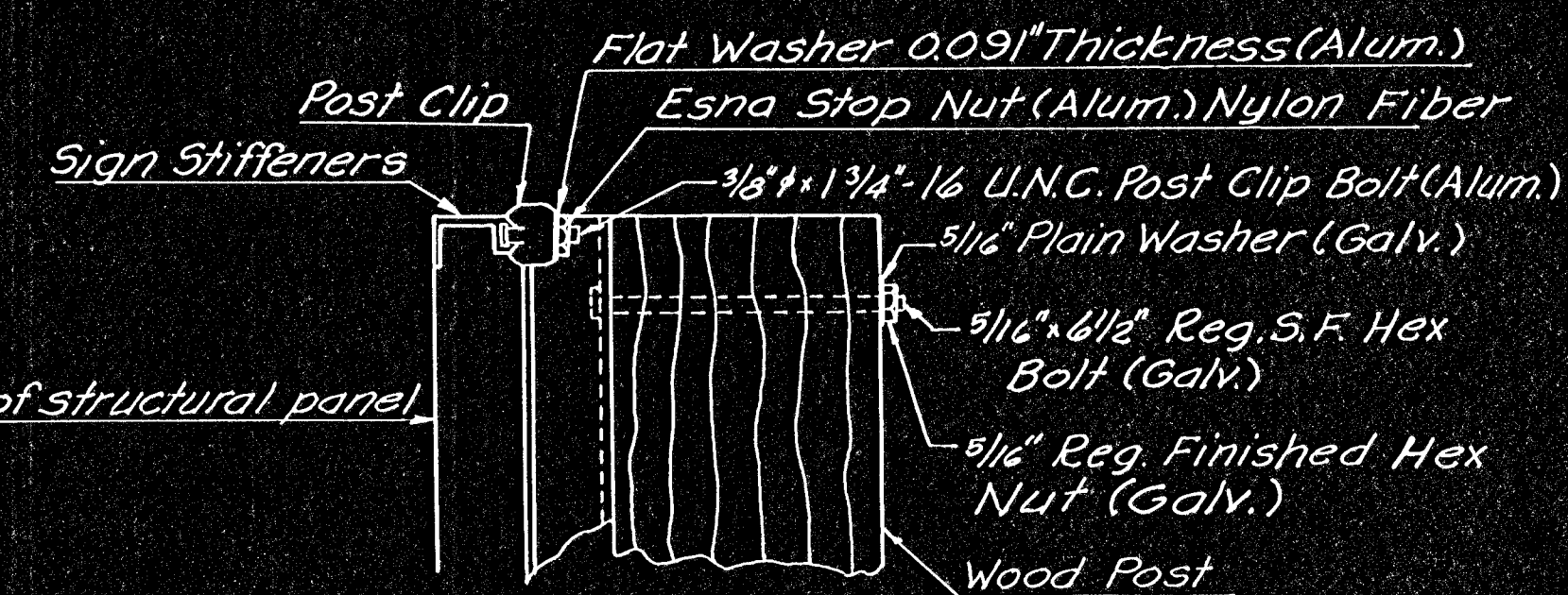
The 3 lb. per foot steel sign post shall conform to Section 1006.20 of the Standard Specifications For State Road and Bridge Construction (1973 Edition) and any subsequent publication.



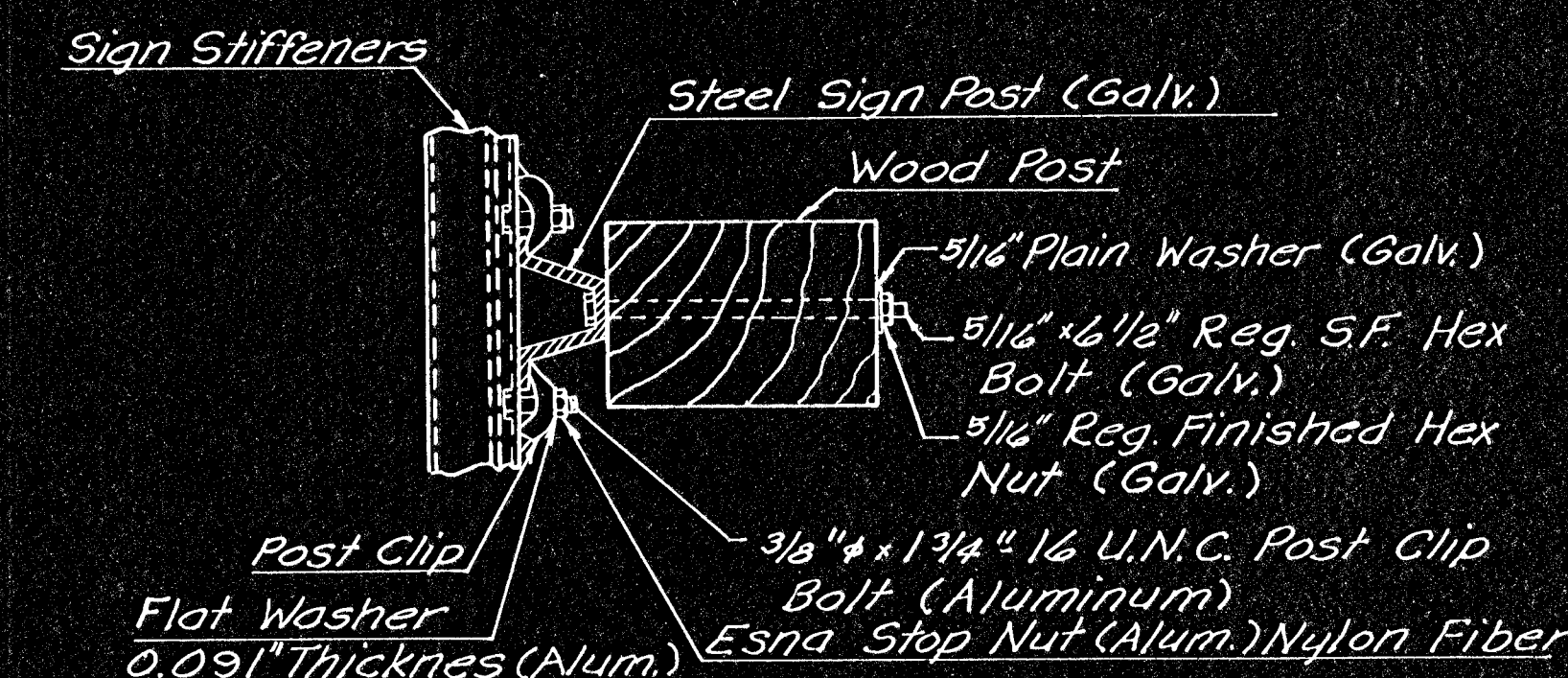
Technical drawing of a concrete pile cap elevation. The drawing shows a cross-section of a pile cap with a central pile. Key dimensions and features include:

- Overall Dimensions:**
 - Height: 3'-0"
 - Width: 1'-6"
 - Cap Thickness: 2'-6"
 - Pile Diameter: 1'-6"
- Reinforcement:**
 - 4 #4 bars (longitudinal)
 - 1/4" # Spiral 6" pitch
- Structural Details:**
 - 4"x6" s4s treated wood post
 - Hardwood Wedge
 - Seal opening between post and concrete with bituminous material
 - Direction of traffic
 - Undisturbed earth or compacted fill
- Labels:**
 - E Post
 - E Ftg.
 - 1 3/4" hole
 - 5 1/2"
 - 6"
 - 1"
 - 3"
 - 3"
 - 1'-6"

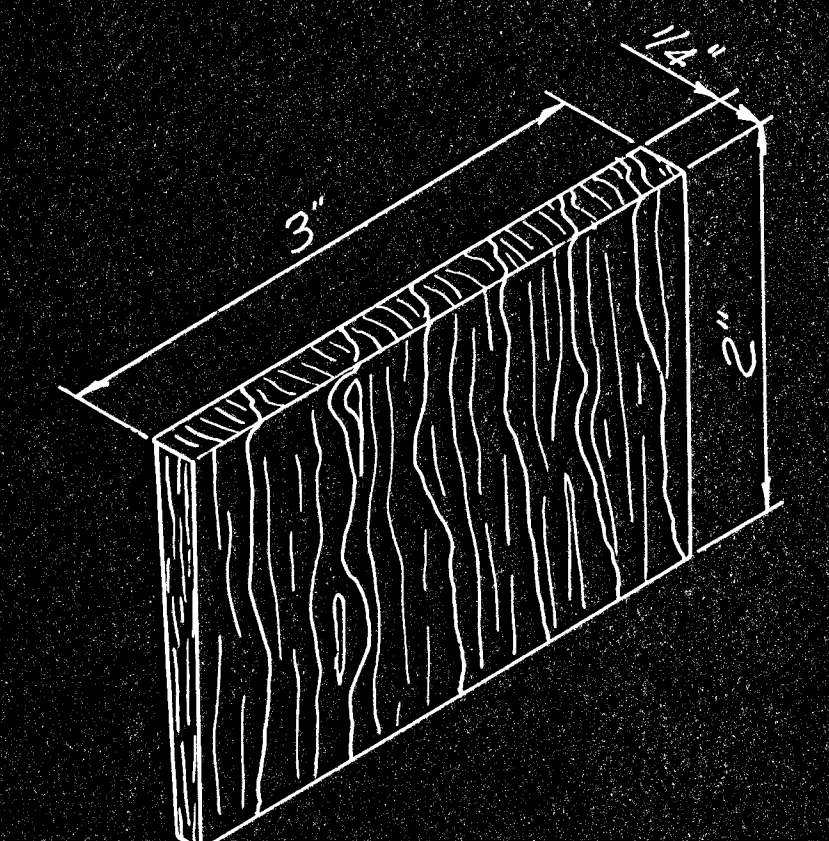
ELEVATION



ELEVATION



PLAN



HARDWOOD WEDGE

4	7-3-73	Chg. Bolt Spacing to agree with 6" spec	W	AF
3	4-19-73	Added Spec. for 316/1% Steel Fast	W	AF
2	5-4-72	Deleted Note on ASTM Calc Spec	W	AF
1	1-24-72	Chg. size sleeve to 3"x5"x	W	AF
NO.	DATE	REVISIONS	BY	APP'D

KANSAS DEPARTMENT OF TRANSPORTATION
STANDARD STRUCTURAL SIGN SUPPORTS
ROADSIDE MOUNTING
WOOD SUPPORT DETAILS

SHEET NO. 5 OF 143	SCALE	Varies		APP'D	Culbertson	
DESIGNED	BFM	DETAILED	BFM	QUANTITIES	IRAN	RBA
DESIGN CK.	NW	DETAIL CK.	NW	QUAN. CK.		TRACE CK. BFM