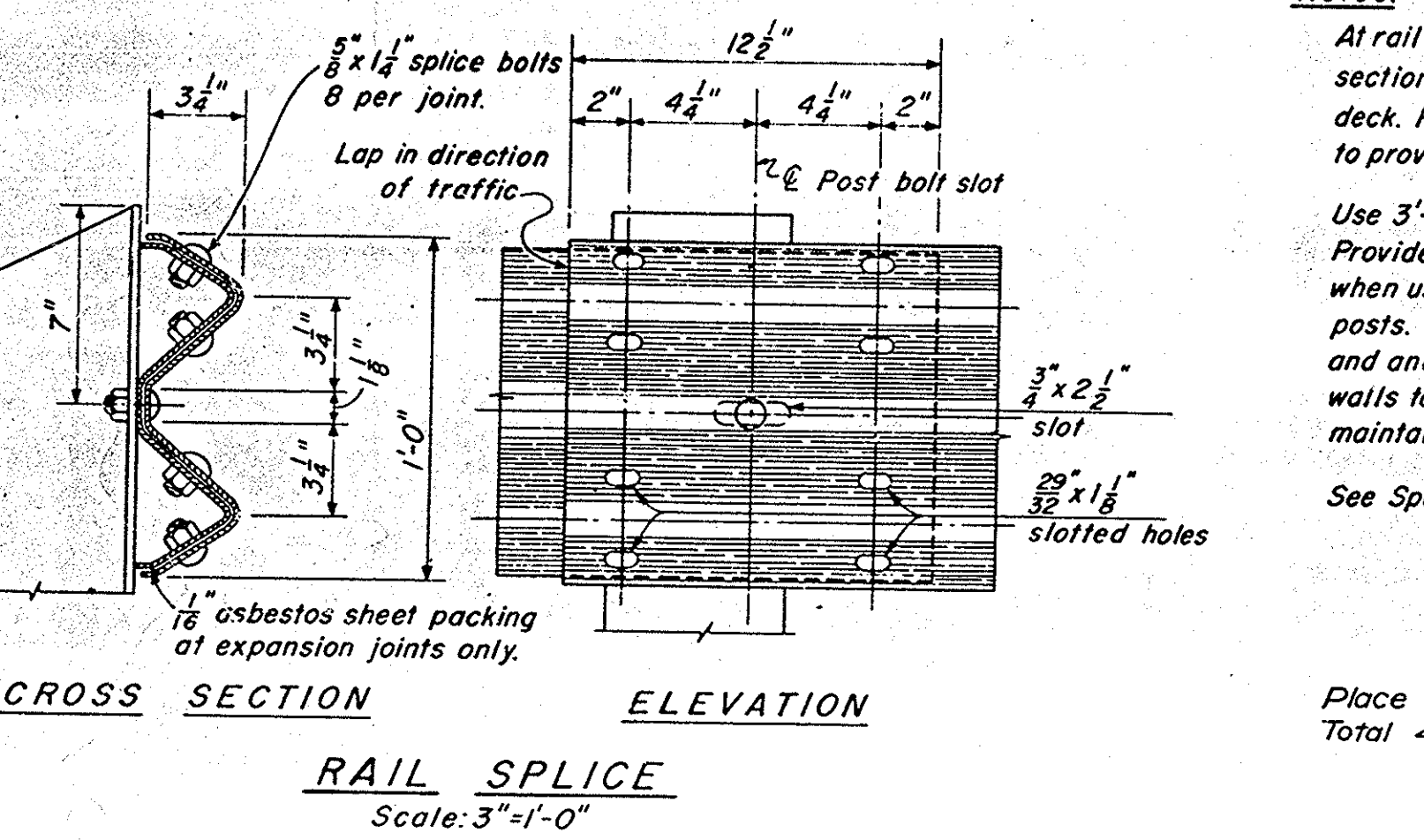
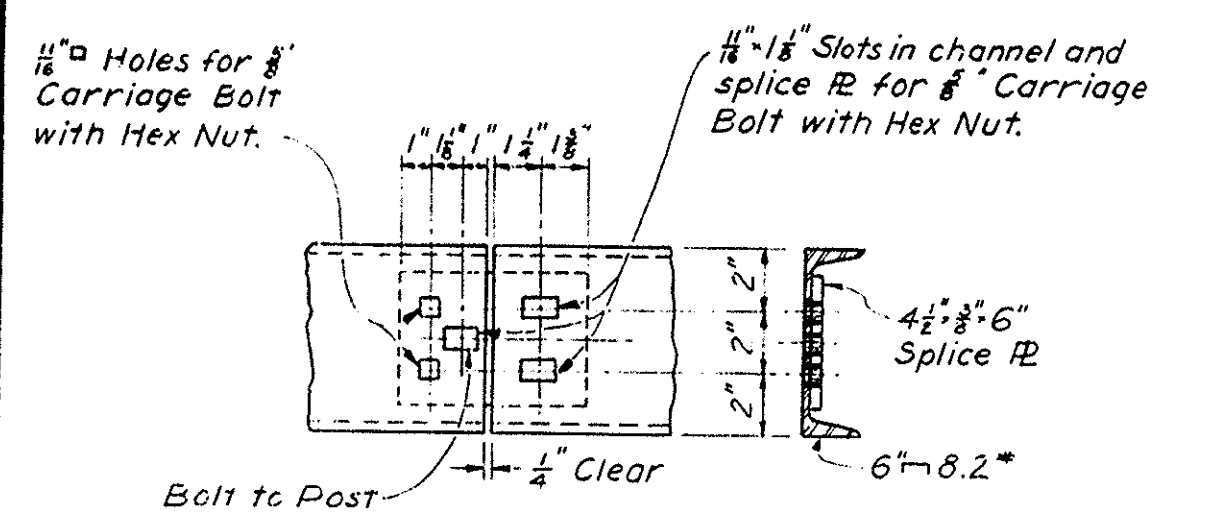
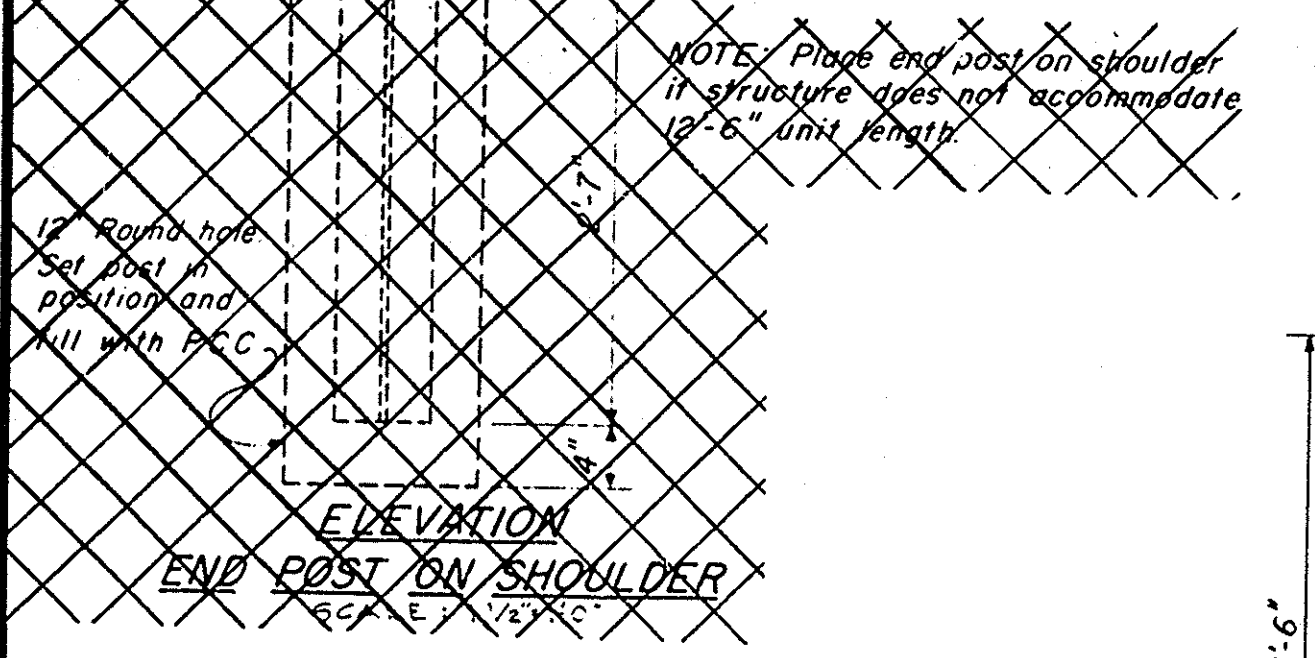
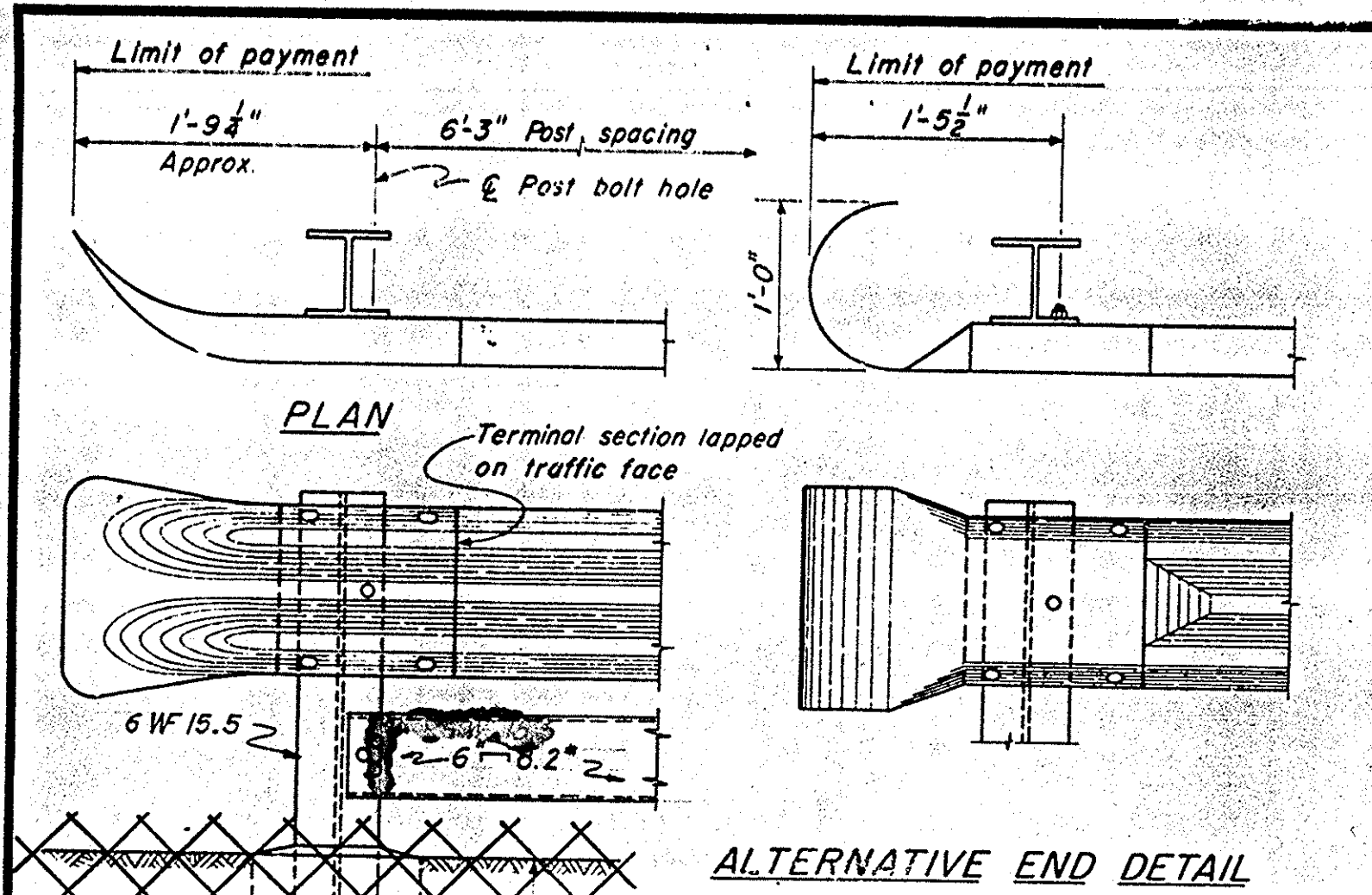
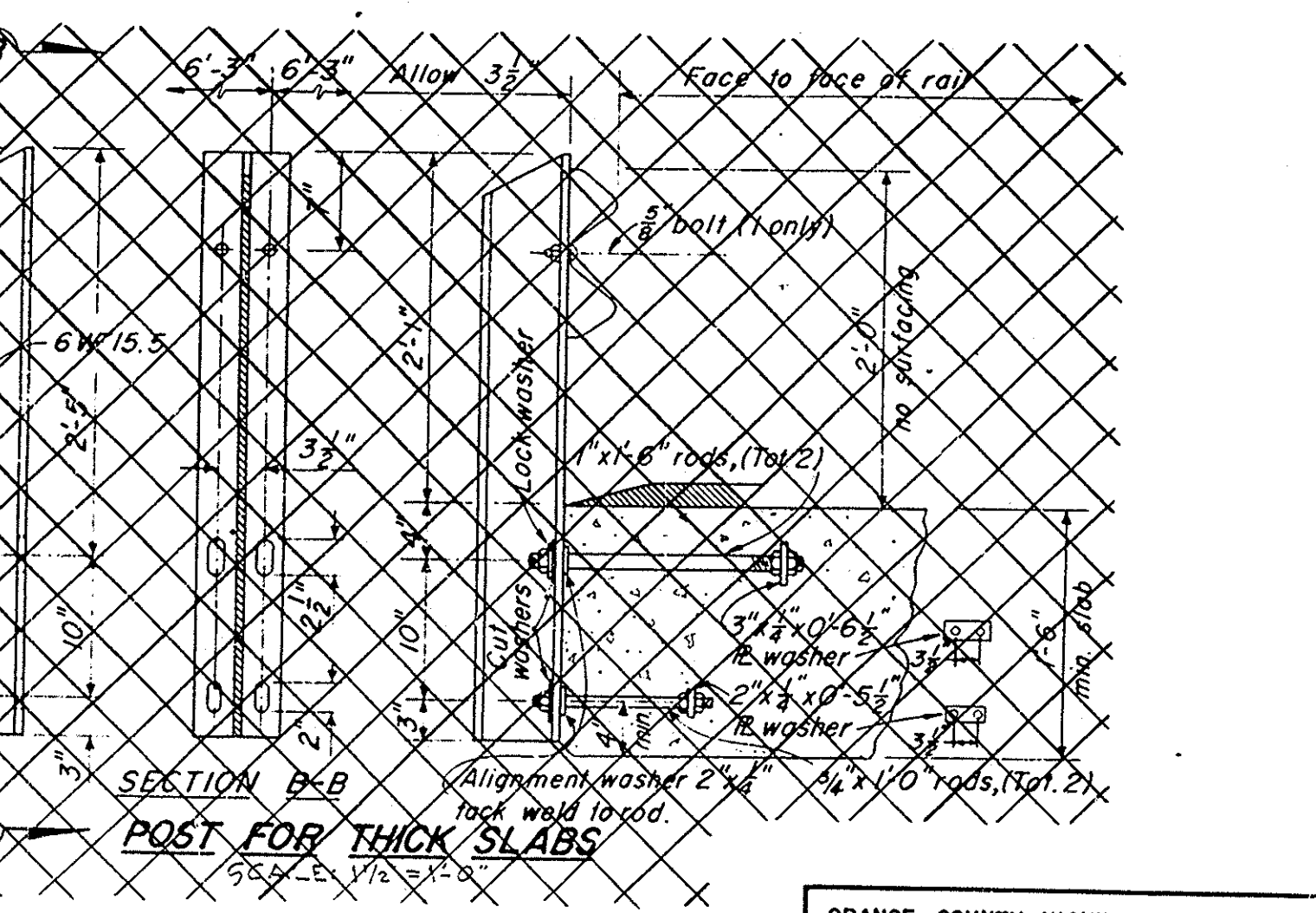
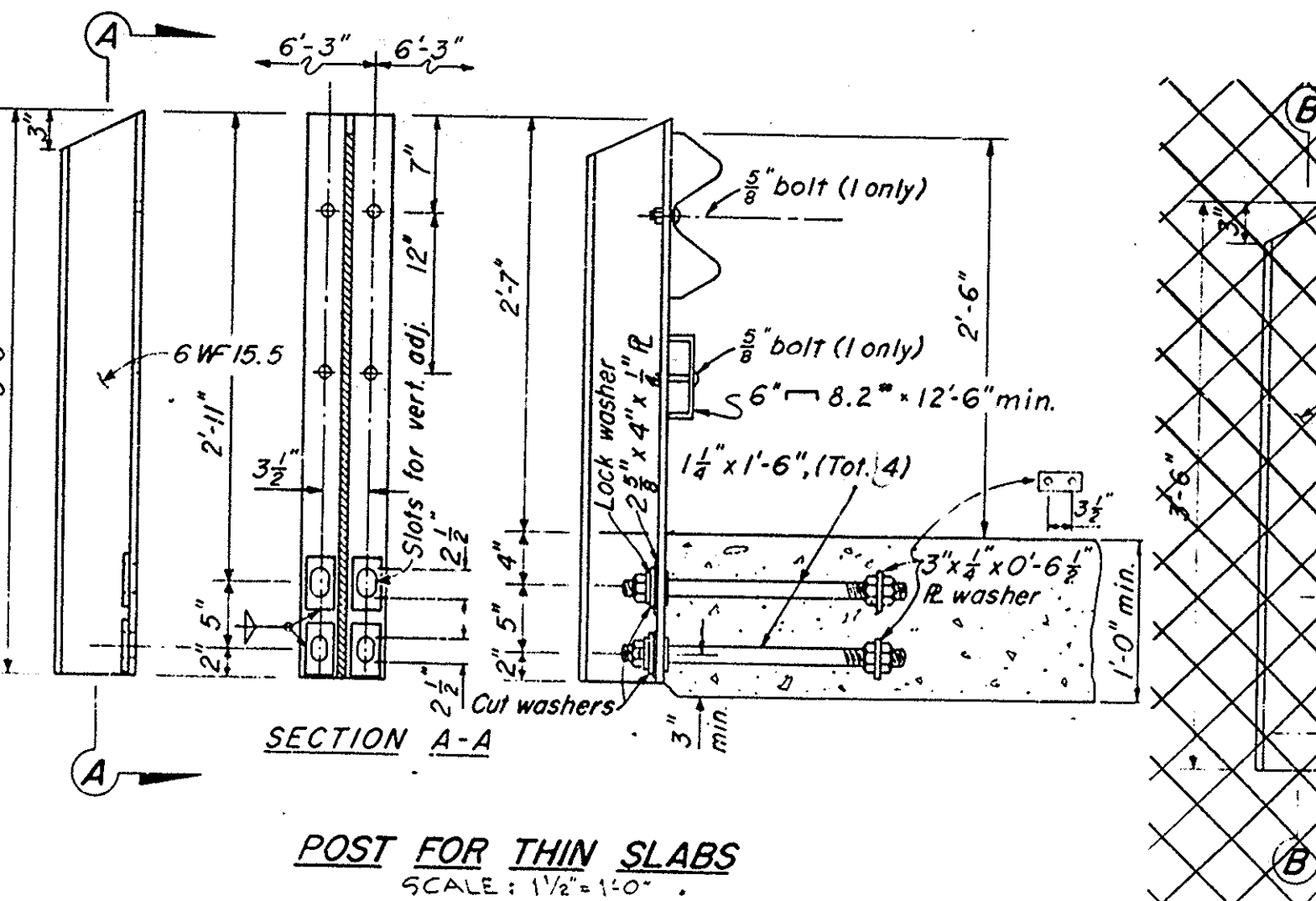




Notes:
At rail splice nearest expansion joint in bridge deck, slot holes in movable section of rail to allow same amount of movement as is provided in bridge deck. Place 1/8" asbestos sheet packing between rail elements. Adjust bolts to provide sliding fit and set threads.
Use 3'-6" posts whenever possible. All anchor rods to have hex nuts. Provide lock washers for top anchor rods. Weld 2 5/8" x 4" x 1/4" plates on WF post: when using 1 1/2" anchor rods. Contractor to provide metal shims to align posts. Space posts to clear expansion joints by 1'-0" min. to 1" post. Posts and anchors to be galvanized after fabrication. Railings on retaining walls to be placed after walls are backfilled. Bend rods if necessary to maintain minimum clearance on superelevated slabs.
See Special Provision for rail element.

Place post @ 1/2 bridge & 6'-3" spacing each way.
Total 41 posts per side.



SA 30 Bridge
Wintersburg Ave.
Sheet 10 of 13
Red. Ratio 20:5:1
Scale As Noted
Brownline

ORANGE COUNTY HIGHWAY DEPARTMENT	
WINTERSBURG BRIDGE	
ACROSS	
SANTA ANA RIVER	
RAIL DETAILS	
SCALE: NOTED	SHEET 10 OF 13

SHEET 10 of 13

SA-30