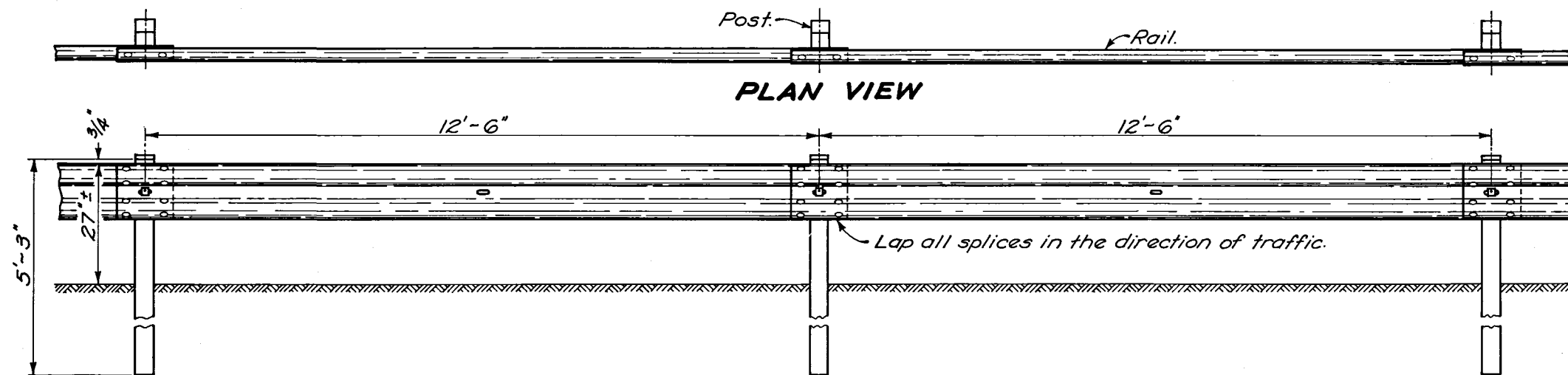
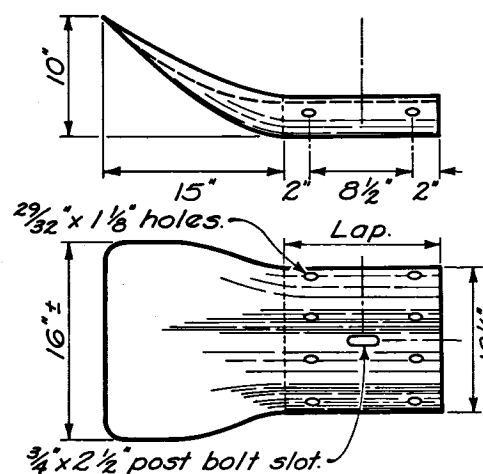
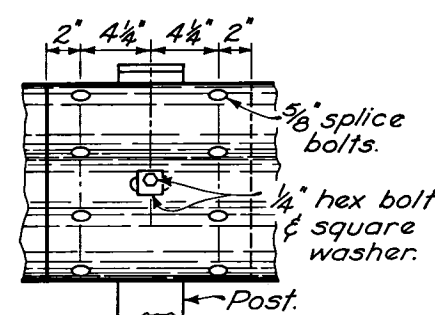




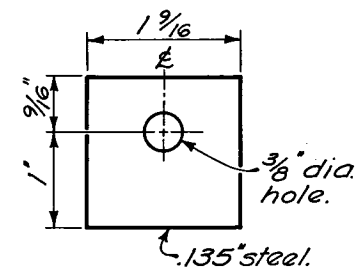
ELEVATION



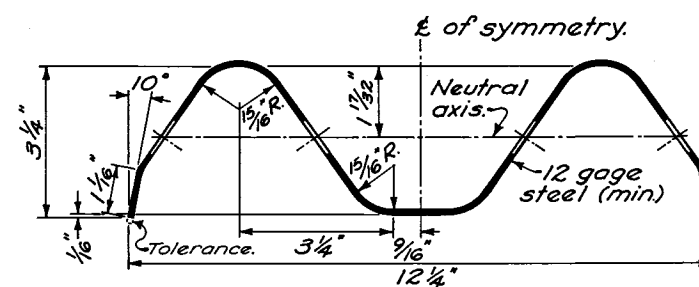
STANDARD TERMINAL



RAIL SPLICE



SQUARE WASHER DETAIL



SECTION THRU RAIL ELEMENT

NOTES

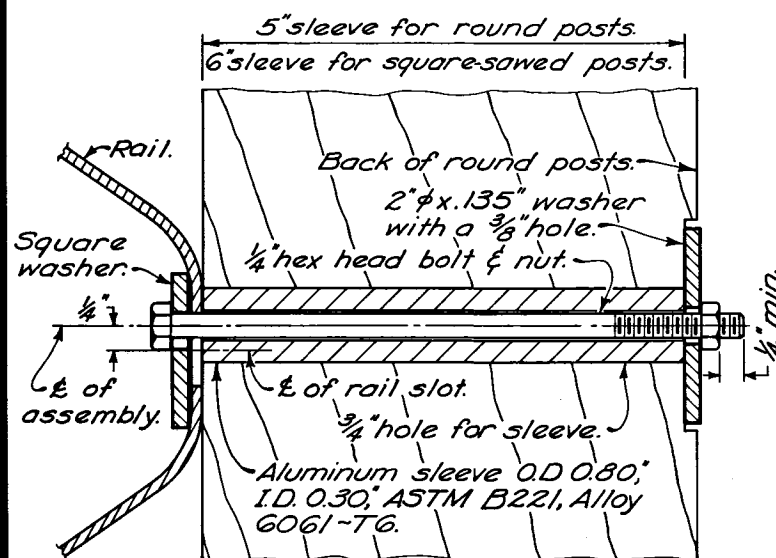
STEEL POSTS shall be 53x5.7 710.15 with a 1/8"x8"x24" steel plate welded to the back as shown, galvanized after fabrication. Post bolts shall be 5/8" by 1 1/4" hex head full body bolts, ASTM A-307, Grade A, with a minimum of 3/8" unthreaded. Provide a 1 1/2" x .135" square steel washer between post bolt and rail and one standard round steel washer between post and nut.

WOOD POSTS: Pressure treated wood posts 710.14 may be 5"x6" square sawed or 5 1/2" plus or minus 1/2" diameter round, measured at a point 25" below top of rail. Post bolts shall be 1/2" hex head full body bolts, ASTM A-307, Grade B. Provide a 1 1/2" x .135" square steel washer between post bolt and rail, and a 2" x .135" round steel washer between post and nut. Aluminum pipe sleeve shall conform with ASTM B-221 Alloy 6061-T6.

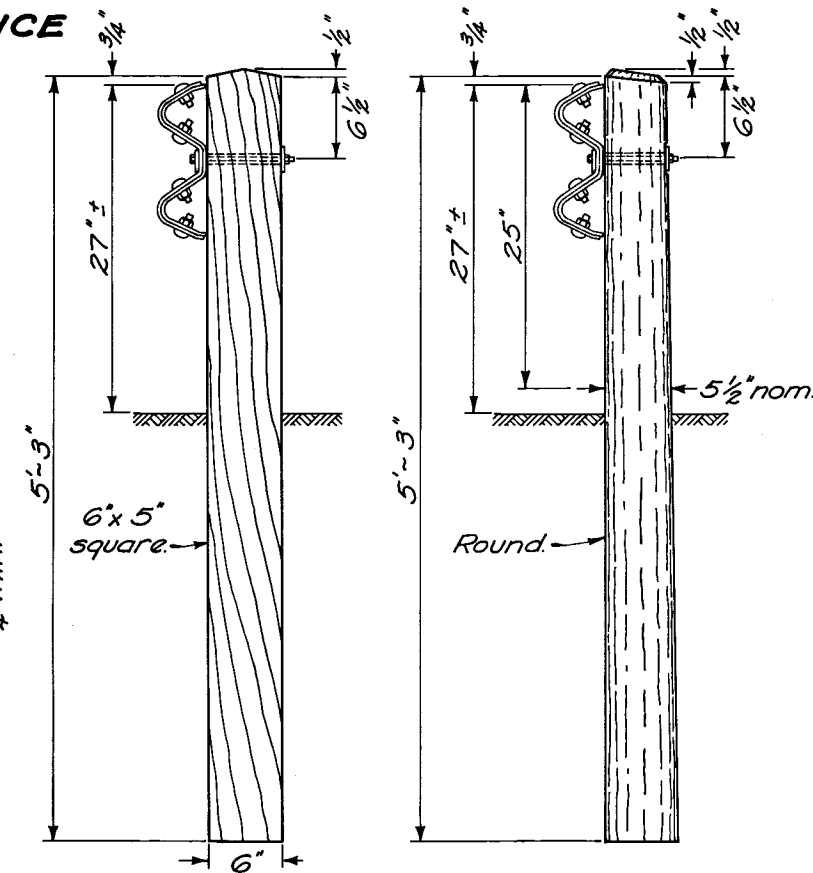
POST SPACING ON CURVES shall be in accordance with the following:

Radius of Curvature	Post Spacing
220 feet and over.	12'-6"
Between 110 feet and 220 feet.	6'-3"
110 feet incl. to 75 feet.	4'-2"
75 feet incl. to 50 feet incl.	3'-1 1/2"
Less than 50 feet, not recommended.	

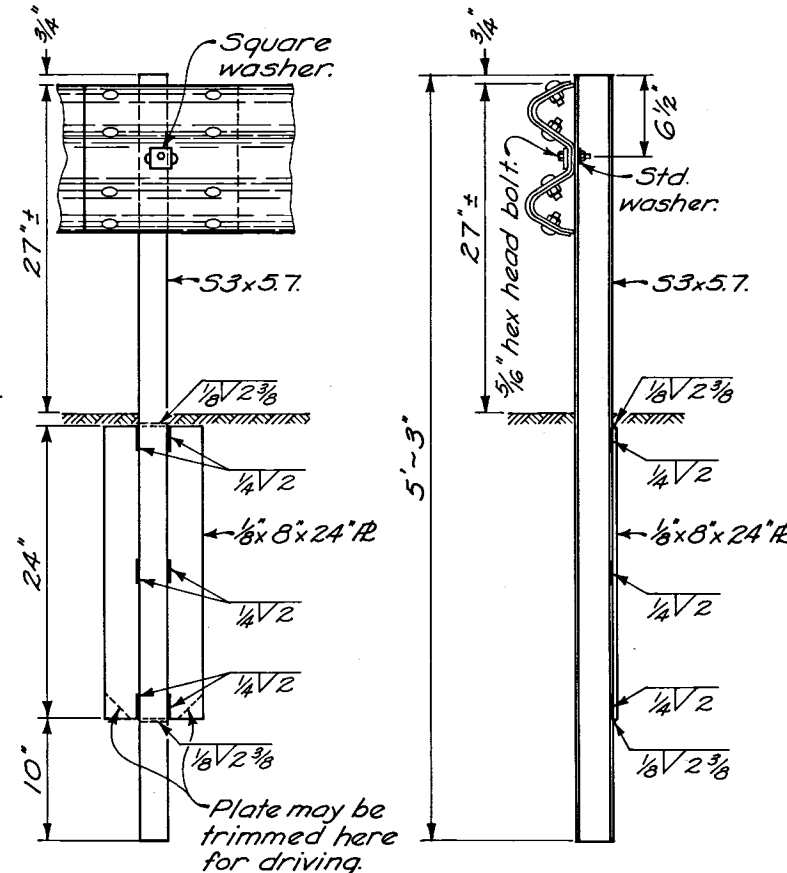
GUARD POSTS shall conform with the details and requirements for Type 7 wood posts except that posts shall be spaced 6'-0" center to center unless otherwise shown on the plans, and shall be pressure treated with pentachlorophenol prior to painting. Guard posts shall be painted with one prime coat and two finish coats of white paint 708.05.



WOOD POST ASSEMBLY



WOOD POSTS



STEEL POST

BUREAU OF LOCATION AND DESIGN
OHIO DEPARTMENT OF HIGHWAYS

**GUARDRAIL
TYPE 7**

STANDARD
CONSTRUCTION
DRAWING
APPROVED *R. E. Lath* ENGR. L. & D.

GR-2A

DATE
1-1-71