General Notes:

- See Missouri Standard Plan 606.00 for details not shown.
- Shim plates 6 x 6 x 1/16-inch may be used between the thrie beam rail and the base plate to allow for movement.
- In addition to the expansion provisions at the expansion joints, expansion splices in the thrie beam rail and the base plate shall be provided. The thickness of the shim shall be determined by the contractor and verified by the engineer before ordering material for this work.
- Rail posts shall be set perpendicular to roadway profile line and the post height shall be aligned by the use of 3 x 1 3/4-inch shims such that the top of the post deviates not more than 1/2 inch from true grade, vertically in cross section and aligned in horizontal alignment after final adjustment. The shims shall be galvanized after fabrication. Protective coating shall be applied to guardrail, and all anchor bolts, nuts, washers and plates shall be galvanized.
- All steel connecting bolts and fasteners for posts and rail shall be tightened and backed off one-half turn and the threads shall be burred.
- A 5/8-inch diameter button-head oval shoulder bolt with a minimum 3/8-inch thick hex nut shall be used at all anchor bolts. Post height shall be aligned by the thickness of the pad.

PART SECTION AT RAIL POST

See sheet for rail post spacing.

Rail post details:
- One bolt shall be used per rail post.
- Hex nuts and washers shall be provided for each bolt.
- Bases plates shall be fabricated from ASTM A709 Grade 36 steel.

SECTION THRU THRIE BEAM RAIL

Note: This drawing is not to scale. Follow dimensions.

THRIE BEAM RAIL SPLICE

See Missouri Standard Plan 606.00 for details not shown.