At bridge ends for head to head traffic, guardrail shall be used of 41/2-foot centers and for single directional traffic, guardrail shall be used of entrance ends only unless required at the exit.

**ELEVATION OF THRIE BEAM RAIL**

For Plan A-A, see Sheet No. __.

**PART SECTION AT RAIL POST**

See sub sheet for rail post spacing.

1. Required on one side of web only, but may be provided on both sides of web at the discretion of the contractor or owner.

2. Dimensions when adhered to ASTM A36 Grade 36 minus 3/16-inch and ASTM A572 Grade 50 minus 1/8-inch to avoid warping and dezincification of the bolts.

3. Two 1-inch diameter ASTM F1554 Grade 36 or 11/2-inch flat washers and one 11/2-inch hex nut.

**DETAIL B**

**SECTION B-B**

**BASE PLATE**

1. 1 1/4" Thick Plate.

2. 2 1/2" x 2 1/2" Slots (Regular Splice) and 2 1/2" x 3 1/2" Slots (Expansion Splice) of 3/16" Thick Plate.

**THRIE BEAM RAIL SPLICE**

**Note:** This drawing is not to scale. Follow dimensions. Sheet No. of __

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**General Notes:**

- Design Specifications: 2002 AASHTO LFD (17th Ed.)
- Standard Specifications
- Missouri Standard Plans

Guardrail details shall be in accordance with Missouri Standard Plans, the latest edition and the corresponding section of the AASHTO LRFD Bridge Design Specifications, 2002 edition.

Guardrail details shall be designed to be self-supporting and be fabricated in accordance with the latest Edition of the Standard Specifications and Missouri Standard Plans. The guardrail details shall be designed to meet all applicable codes and standards.

**THRIE BEAM RAIL SPLICE**

1. For Plan A-A, see Sheet No. __.

2. End of Wing

3. Bolts tightened 1 1/2" R.

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**NOTES:**

- All steel connecting bolts and fasteners for posts, cap angles, base plates, rails, washers, nuts, washers, plates, and rail posts shall be galvanized after fabrication.
- All bolts, nuts, washers, plates, and rail posts shall be galvanized after fabrication.
- End of Kingdom

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**THRIE BEAM RAIL SPLICE**

1. For Plan A-A, see Sheet No. __.

2. End of Wing

3. Bolts tightened 1 1/2" R.