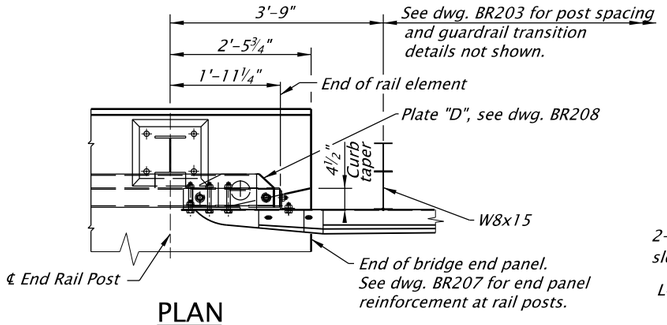
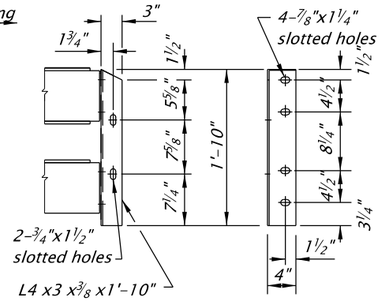
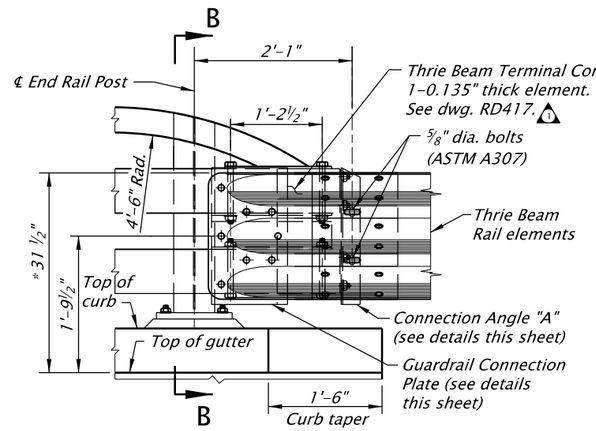


PLAN

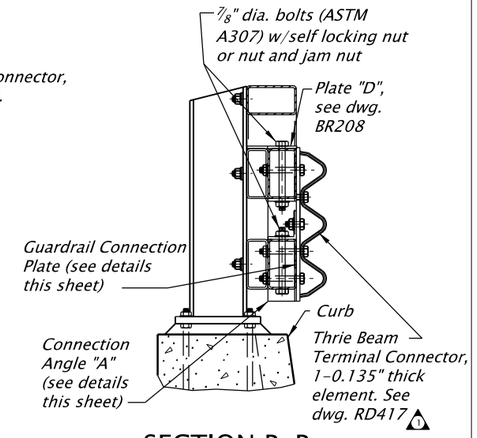


CONNECTION ANGLE "A"

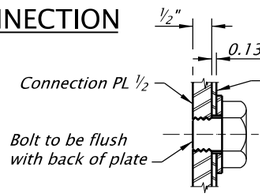


ELEVATION: TRANSITION CONNECTION TYPE I

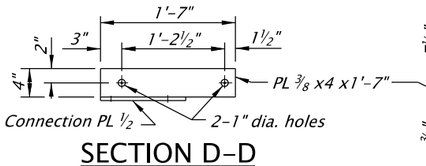
*NOTE
Transition top of rail to match 31" approach rail as shown on BR207.



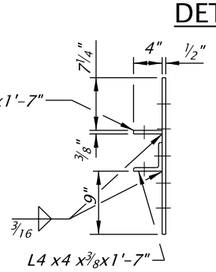
SECTION B-B

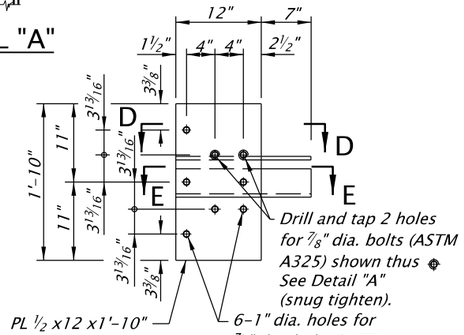


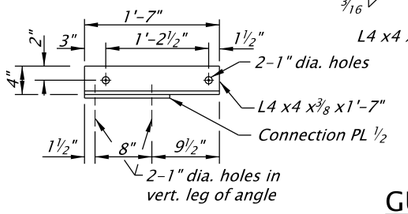
DETAIL "A"



SECTION D-D





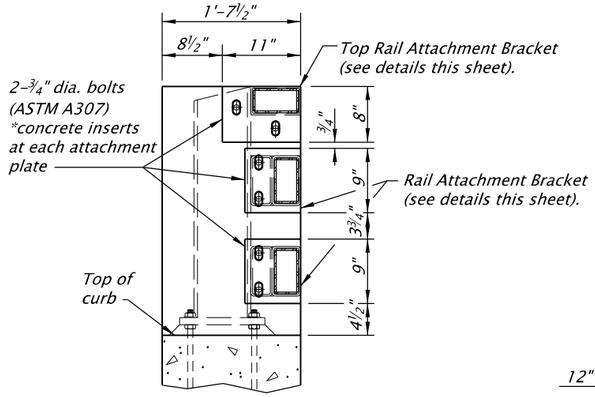


SECTION E-E

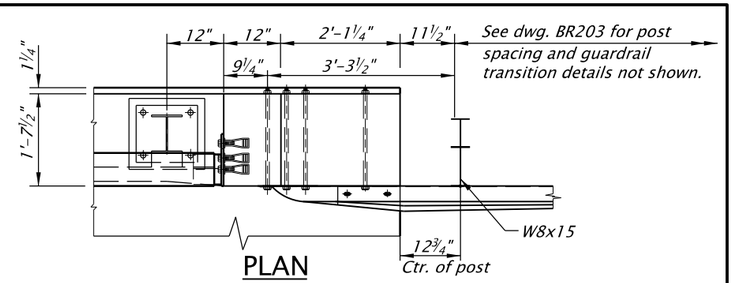
NOTE
Verify all bolt hole locations to match Thrie Beam Terminal Connector.

GUARDRAIL CONNECTION PLATE DETAIL

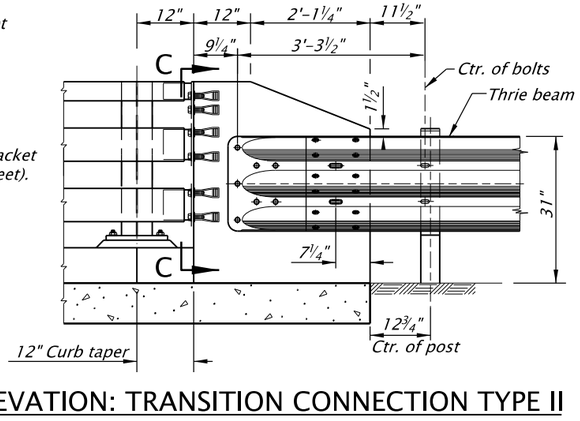
*CONCRETE INSERTS
Hot-dip galvanized expanded coil concrete inserts with closed-back ferrule threaded to receive ¾" dia. bolts, Gr36 (ASTM A307)
Minimum insert length= 4½"
Minimum safe working load in tension= 4000 lbs.



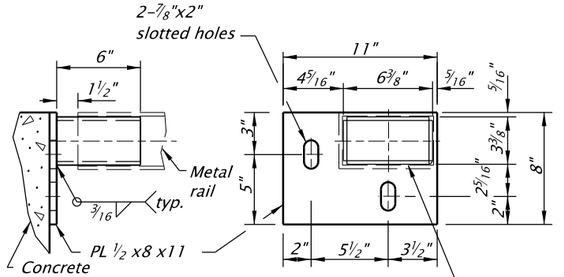
SECTION C-C



PLAN

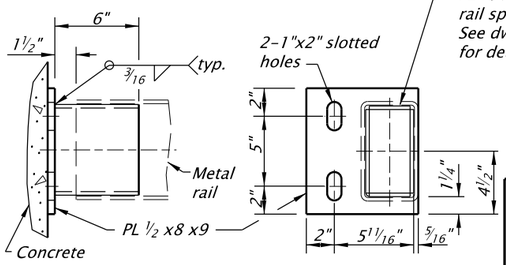


ELEVATION: TRANSITION CONNECTION TYPE II

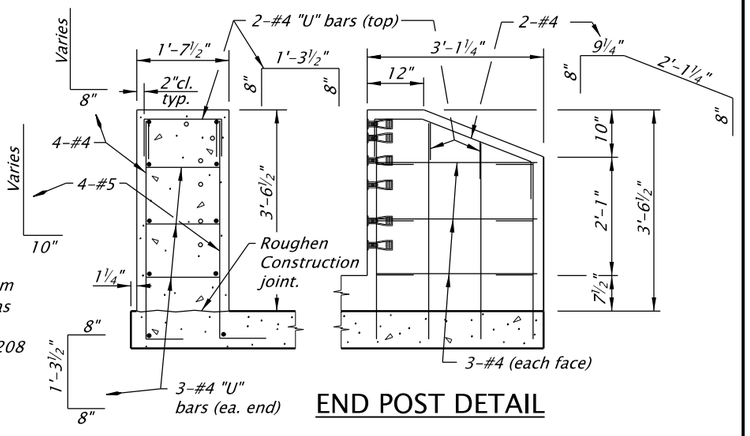


TOP RAIL ATTACHMENT BRACKET

Fabricate from PL ¼ (same as rail splices). See dwg. BR208 for details.



RAIL ATTACHMENT BRACKET



END POST DETAIL

1 Accompanied by dwgs. BR203, BR207, BR208, RD405, RD417

GENERAL NOTES
Rail designed and crash tested to meet NCHRP 350 TL-4 requirements.
Provide concrete Class 3300- 1½ or ¾.
Provide steel plates conforming to AASHTO M183 (ASTM A36).

The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without first consulting a Registered Professional Engineer.

All materials shall be in accordance with the current Oregon Standard Specifications.

OREGON STANDARD DRAWINGS

3-TUBE CURB MOUNT RAIL TRANSITION

2024

DATE	REVISION DESCRIPTION
1 07-2024	General text revisions.

CALC. BOOK NO. N/A | SDR DATE 12-JULY-2024 | **BR209**

Effective Date: June 1, 2026 - November 30, 2026