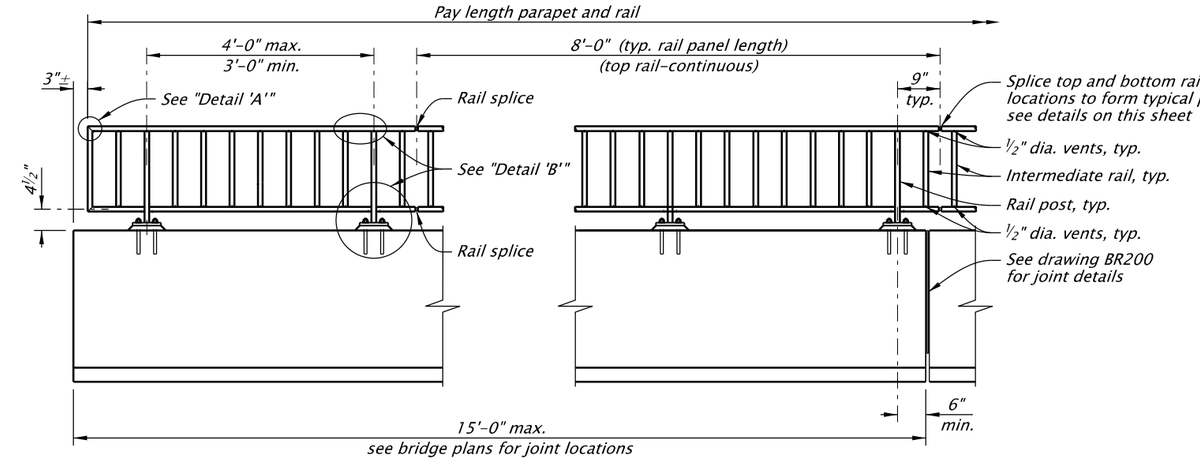
13-JAN-2026

BR246.dgn



NOTE:
Rail panel length can be increased to 12'-0" only if required to maintain a minimum of two posts per rail panel.

ELEVATION
Scale: 3/8"=1'-0"

GENERAL NOTES:
Provide rectangular structural steel tubing according to Oregon Standard Specification 02810.20.

(1) Provide HSS 2½ x 1 x 0.125 for rail posts, horizontal rails, end vertical rails, and intermediate rails.

Provide all other structural steel conforming to AASHTO M183 (ASTM A36).

Hot-dip galvanize all structural steel including fasteners and inserts after fabrication. Provide Galvanize Control Silicon according to Oregon Standard Specification 02530.70.

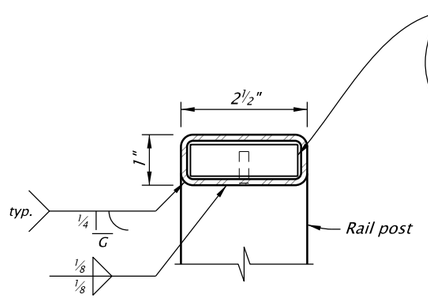
Construct railing conforming to the horizontal and vertical alignment of the structure.

Install posts normal to grade in the longitudinal direction and vertical in the transverse direction.

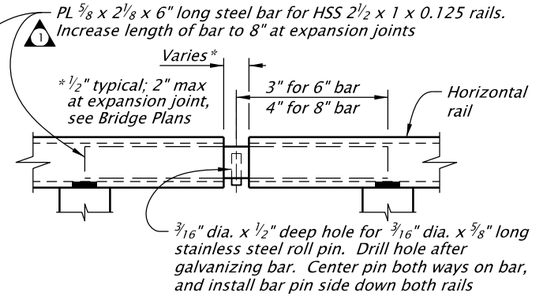
Provide and install high strength resin bonded anchors (AASHTO M314, Grade 36, ASTM A307) according to Oregon Standard Specification 00535 and manufacturer's directions.

Tighten anchor nuts by the turn-of-the-nut method with a nut rotation of 60° turn from a snug tight condition.

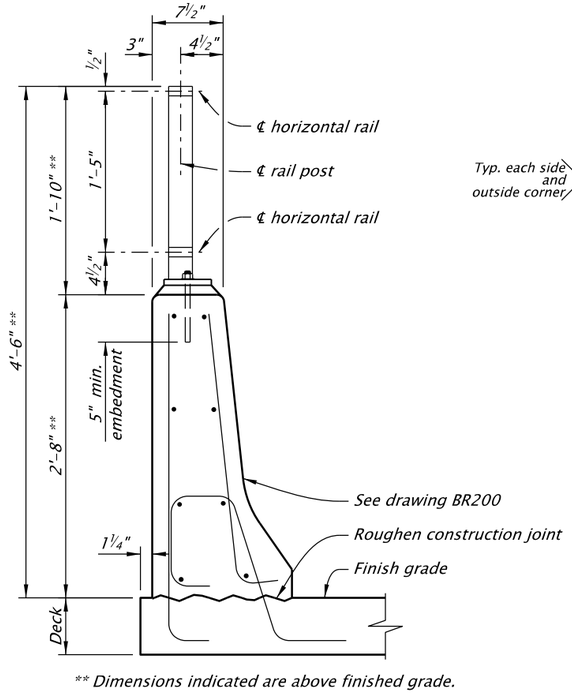
Provide continuous top horizontal rail elements over a minimum of two posts unless shown otherwise on detail plans. Provide a minimum of two anchor posts per rail panel.



RAIL POST WELD
Not To Scale

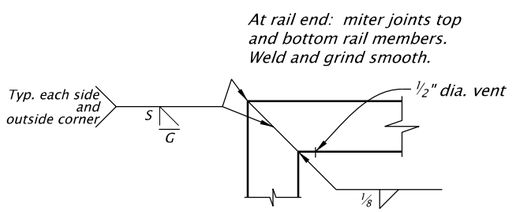


RAIL SPLICE
Not To Scale

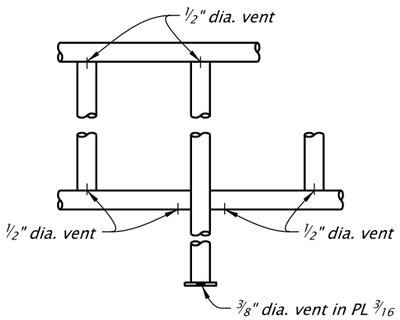


** Dimensions indicated are above finished grade.

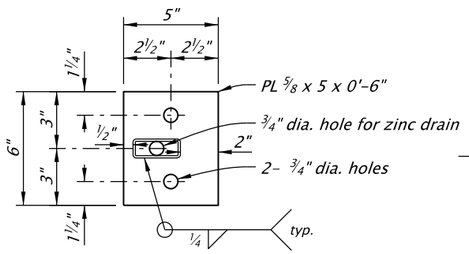
TYPICAL RAIL SECTION
Scale: 3/4"=1'-0"



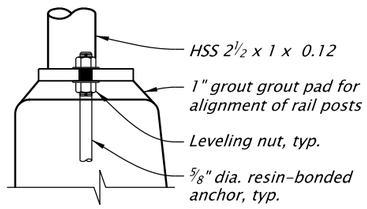
DETAIL "A"
Scale: 1"=4"



DETAIL "B"
Scale: 1 1/2"=1'-0"

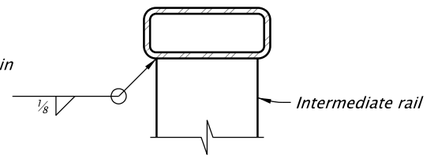


PLAN



TYPICAL SECTION

BASE PLATE
Scale: 1 1/2"=1'-0"



INTERMEDIATE VERTICAL RAIL WELD
Not To Scale

(1) NOTE:
Provide a handrail when slope is 1:20 or greater. See RD series for details.

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

TYPE "F" CONCRETE RAIL WITH PEDESTRIAN RAIL

2024

DATE	REVISION DESCRIPTION
(1) 10-Jan-2026	Remove 14-gauge HSS option; redrawn for CAD standards

CALC. BOOK NO. N/A | SDR DATE 13-JAN-2026 | BR256

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