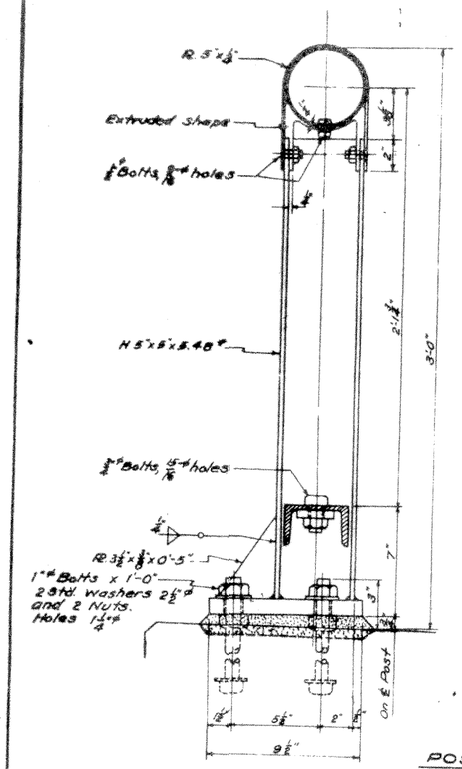
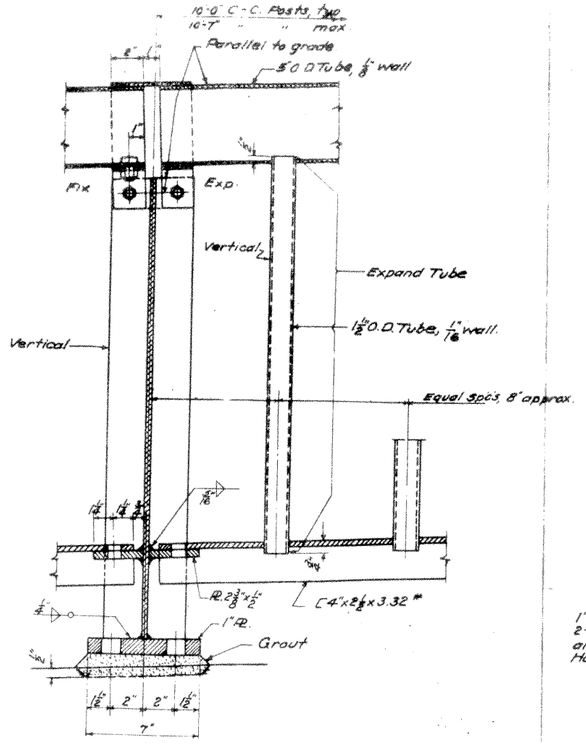
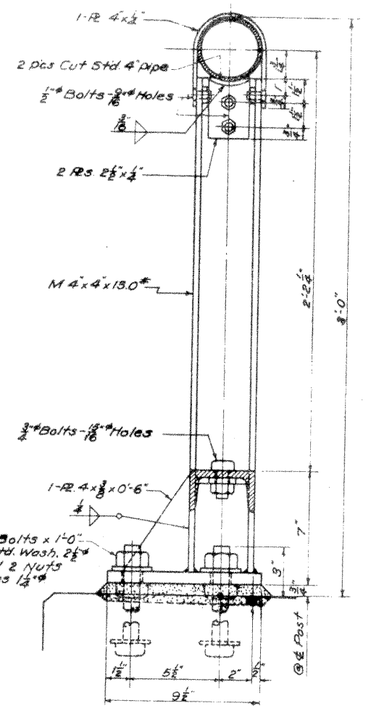
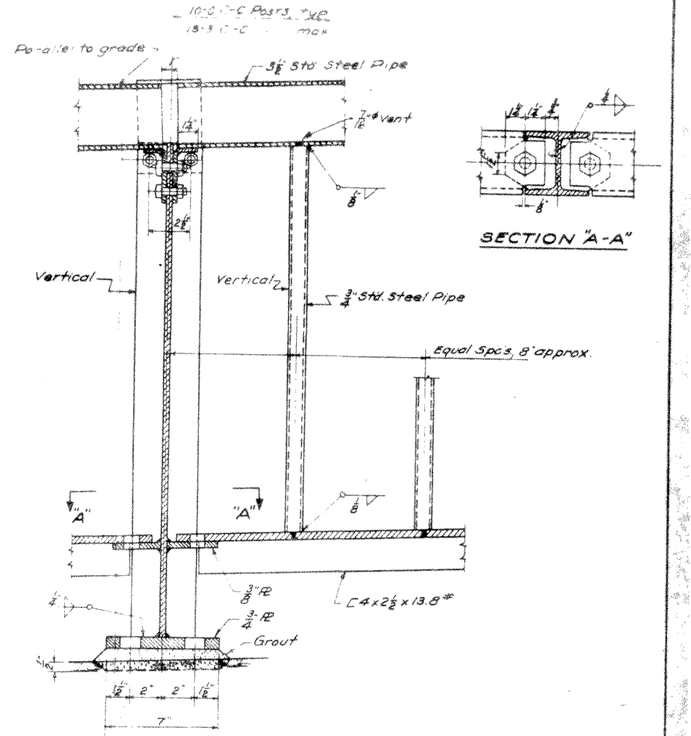
Br # 27204
Puyallup River
(Railway)
BR



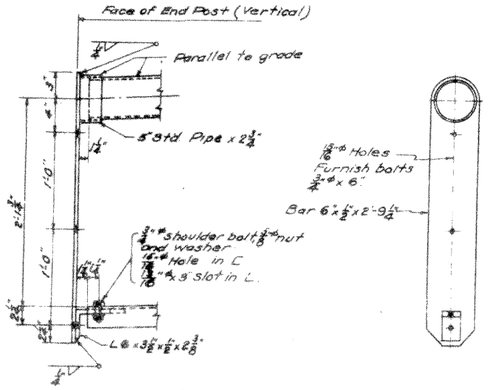


POST DETAILS





POST DETAILS



RAIL CONNECTION
AT END POST

MATERIAL:

Plates A.S.T.M. B209, Alloy G.S. 11A Condition T6 (6061-T6) or A.S.T.M. B235, Alloy G.S. 10A, Condition T6 (6063-T6)

Tubing. A.S.T.M. B235, Alloy G.S. 11A, Condition T6 (6061-T6) or A.S.T.M. B235, Alloy G.S. 10A Condition T6 (6063-T6) may be substituted provided the thickness of the top rail tube is increased by 1/16".

Anchor Bolts, Nuts & Washers: Structural Carbon Steel A.S.T.M. A307 (galvanized).

Other Bolts & Nuts: A.S.T.M. B211, Alloy CG.42A, 2024-T4. Bolt heads may be square, but nuts shall be hexagonal.

The finished aluminum bolts and nuts shall be heat treated to the T4 temper, given an anodic coating at least 0.0004 inch thick and chromate sealed.

Welding: All welds shall be finished smooth.

Aluminum Washers: A.S.T.M. B209, Alloy Clad CG42A, Condition T4, 2024.

Rolled Shapes, Rods and Bars: A.S.T.M. B211, Alloy G.S.11A, Condition T6 (6061-T6).

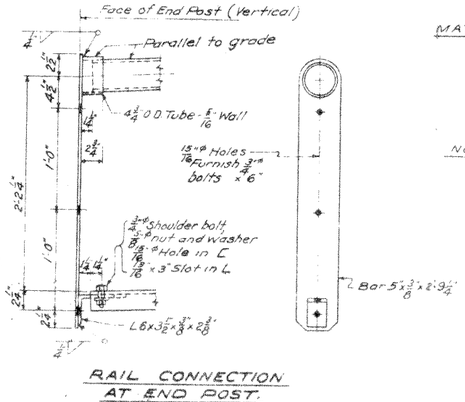
Extruded Shapes: A.S.T.M. B221, Alloy G.S. 11A, Condition T6 (6061-T6).

Aluminum plates, Shapes and Tubing shall be given an anodic coating at least 0.0006 inch thick and hot water sealed and shall have a uniform finish. After anodizing all parts shall be given one coat of clear methacrylate lacquer, Dupont 1294 or equal. Aluminum rail components shall be adequately wrapped to insure protection for shipment to the job site.

The threaded portions of the anchor bolts, the anchor bolt nuts and washers and the bottoms of posts shall be painted with zinc chromate paint.

The surface of rail connection at end post in contact with concrete shall be coated with an approved aluminum impregnated caulking compound.

ALUMINUM POST AND RAIL DETAILS



RAIL CONNECTION
AT END POST

MATERIAL:

Structural Carbon Steel A.S.T.M. A-7.
All bolt heads and nuts shall be hexagonal.
Sharp corners and edges shall be ground smooth.
All material including bolts shall be galvanized after fabrication in accordance with the provisions of the applicable A.S.T.M. designations.

NOTE

Unless otherwise provided, railing may be either aluminum or steel as detailed on this drawing, provided only one type is used throughout the project.

Payment will be made at the unit contract price per linear foot for "Standard Bridge Railing Type No 2", which price shall include all railing, posts and anchor bolts.

End posts will be classified and paid for as Concrete class A", unless otherwise noted in the Special provisions.

STEEL POST
AND RAIL DETAILS

DATE	REVISION	BY	APPVD
12-2-58	Rev of Material Notes for Aluminum Rail	RPB	
12-5-57	Painting of Al. Post bot., Vent holes	E.R.F.	
9-30-57	Steel Post Rail Conn. dimensions - Notes	RPB	

STANDARD
BRIDGE RAILING
TYPE NO 2

WASHINGTON STATE HIGHWAY COMMISSION
DEPARTMENT OF HIGHWAYS
OLYMPIA, WASHINGTON

APPROVED: SEPT 20 1956

6/92