



**GENERAL NOTES:**

- ALL DIMENSIONS ARE IN MILLIMETERS EXCEPT AS OTHERWISE NOTED.
- DESIGN STANDARD 1973 A.A.S.H.O. SPECIFICATION (TRAFFIC RAIL) PLUS INTERIM TO 1976.
- ALL REQUIREMENTS OF THE BRIDGE BRANCH SPECIFICATION FOR THE SUPPLY OF BRIDGERAIL (CURRENT SPEC. NO. B-312M-1975) SHALL BE MET.
- ALL STEEL SHALL CONFORM TO A.S.T.M. A36 OR C.S.A. G40.21 GRADE 44W, EXCEPT STRUCTURAL TUBING TO CONFORM TO A.S.T.M. A500 B. ANCHOR BOLTS TO MEET A.S.T.M. A307.
- ALL WELDING SHALL CONFORM TO CURRENT A.W.S. SPECIFICATION D1.1
- BRIDGE TO BE CONSIDERED LEVEL FOR BRIDGERAIL FABRICATION UNLESS THE ROADWAY GRADE EXCEEDS 1%. ADJUSTMENT FOR ROADWAY GRADE, IF REQUIRED, IS TO BE MADE BY VARYING THE 100mm DIMENSION AS SHOWN ON "RAIL END ELEVATION".
- POST BASE PLATE TO BE PLACED ON BEVEL IF ROADWAY GRADE EXCEEDS 2%.
- TUBE SECTIONS SHALL BE FABRICATED IN THE CONFIGURATIONS SHOWN IN TUBE SECTION TYPES.
- THE FOLLOWING MATERIALS SHALL BE HOT DIP GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH THE REQUIREMENTS OF A.S.T.M. SPECIFICATIONS: RAILING AND POSTS A123 & ANCHOR BOLT ASSEMBLIES A153

**ERECTION**

- TIGHTENING OF RAIL BOLTS: TOP RAIL BOLTS MAY BE TIGHTENED FROM THE HEAD INSIDE THE POST. BOTTOM RAIL BOLTS MAY BE TIGHTENED THROUGH THE 45x100mm SLOT UNDER THE RAIL, USING A 15° ANGLED OR OFFSET BOX END WRENCH SUITABLY BENT AND EXTENDED TO ACHIEVE THE REQUIRED 1/2 TURN OF THE NUT FROM SNUG TIGHT.
- ALL POSTS TO BE VERTICAL.
- ALL DIMENSIONS ARE MEASURED PARALLEL TO TOP OF CURB AND ALONG CENTERLINE OF POST ANCHOR BOLT ASSEMBLIES.
- LINE AND ELEVATION OF RAIL TO BE SET BY INSTRUMENT.

**SUPERSEDED**

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APPROVED		Alberta TRANSPORTATION BRIDGE BRANCH		METRIC	
780609 DIMENSION		R.G.		850 mm TUBE TYPE BRIDGERAIL	
780528 HOLE SIZE & WASHER THICKNESS		R.G.			
NO.	DATE	DESCRIPTION	BY	DATE JAN. 23/78	
REVISIONS					
DESIGNED	DRAWN BY	DATE	CHECKED BY	DATE	STREAM
R. QUINION	L. W. KOHLMANN	77 06 16			LOCATION
SCALE	FILE NO.	SHEET	HWY. NO.	OWG. NO.	
SHOWN		OF		S-1 400	