



GENERAL NOTES:

- ALL DIMENSIONS ARE IN MILLIMETRES 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-1973) 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 45 DEGREE SLOT UNDER THE RAIL, USING A 15 ANGLE 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

REVISIONS

NO.	DATE	DESCRIPTION	BY
86-02-18		DIMENSIONS - TYPE "A" ANCHOR BOLT	J.R.C.
86-01-30		TYPE "A" ANCHOR BOLT RADIUS POINT MOVED DOWN 25mm	D.H.Q.
84-06-21		DEEP BEAM TERMINAL SEC. - POST SPACING	J.C.Y.
84-04-19		VENTS, SPECIAL WASHERS PLUS WELD D. BOWED POST BASE WELD	D.H.Q.
81-08-18		TOP OF GUARDRAIL POST EL. ADDED	R.Y.U.
79-10-16		POST TO BASE PLATE WELD	R.Q.
78-06-05		DI MENSION	R.Q.
78-05-28		HOLE SIZE & WASHER THICKNESS	R.Q.

APPROVED

Alberta TRANSPORTATION BRIDGE BRANCH METRIC

850 mm TUBE TYPE BRIDGERAIL

JAN. 23/78

DESIGNED R. QUINION **DRAWN BY** L. W. KOHLMANN **DATE** 77 06 16 **CHECKED BY** **DATE** **STREAM** **LOCATION** **HWY. NO.** **SCALE SHOWN** **FILE NO.** **SHEET** S-1400 **DWG. NO.**