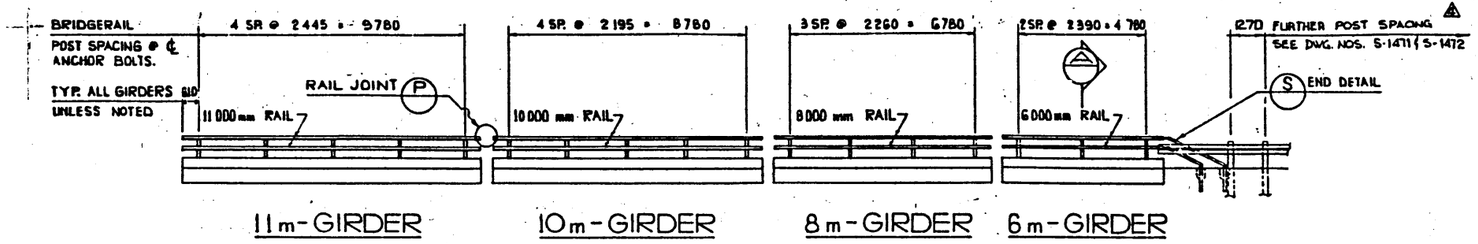
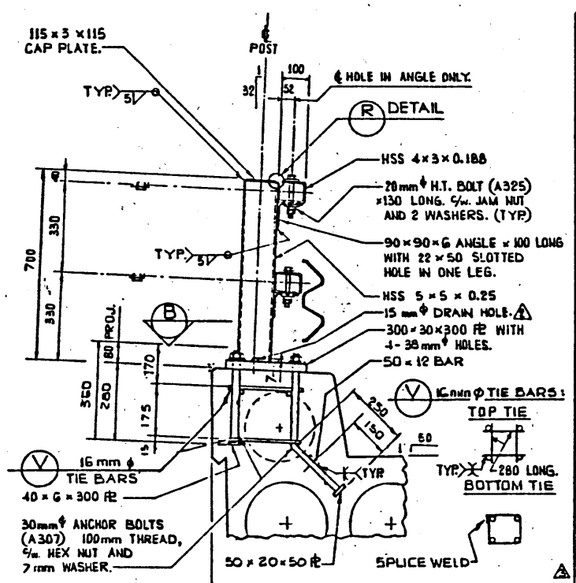


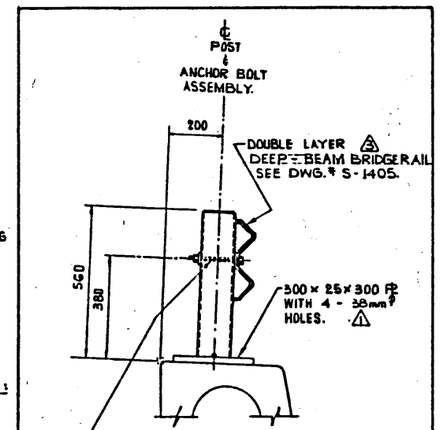
BRIDGERAIL POST LAYOUT ON INDIVIDUAL GIRDERS

N.T.S.



TYPICAL SECTION AT POSTS

1 : 10



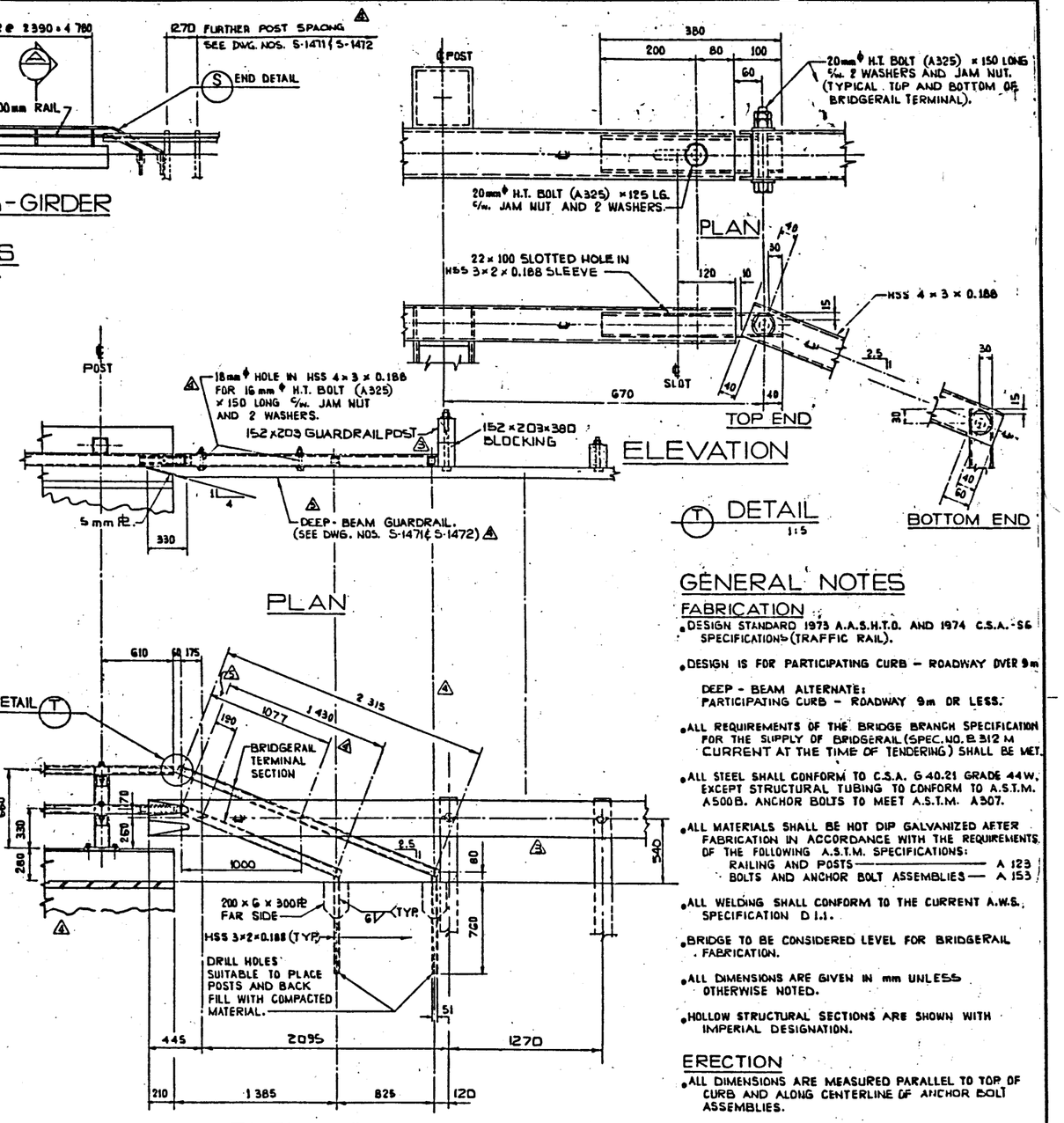
NOTE:

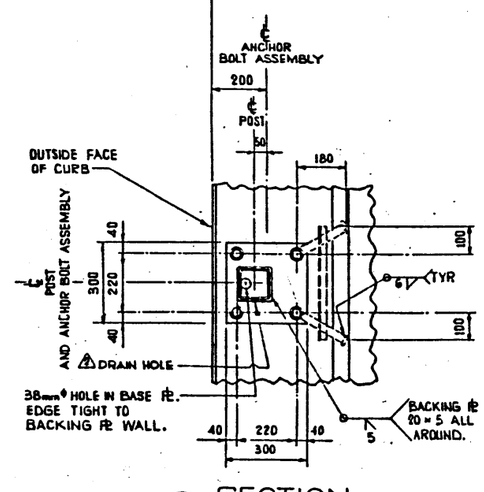
DETAILS NOT SHOWN HERE ARE SIMILAR TO SECTION WITH THE EXCLUSION OF ANGLE CLEATS FOR RAIL.

DEEP-BEAM ALTERNATE

TO BE USED WITH ROADWAYS 9 m AND LESS. 1 : 10

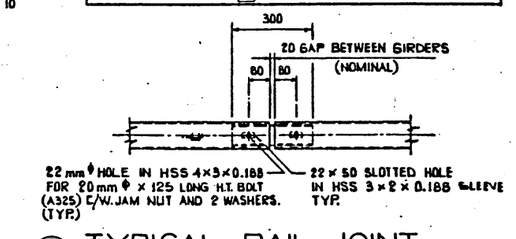
NOTE: SEE DWG. NOS. S-1471 & S-1472 FOR DETAILS OF TWISTED TERMINAL FOR DEEP-BEAM GUARDRAIL.





SECTION

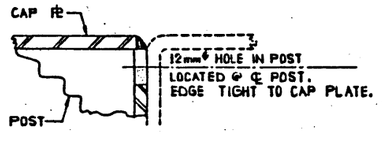
1 : 10



TYPICAL RAIL JOINT

TOP VIEW

BETWEEN ALL GIRDERS. 1 : 10



DETAIL

FULL SCALE.

GENERAL NOTES

FABRICATION

- DESIGN STANDARD 1973 A.A.S.H.T.O. AND 1974 C.S.A. S6 SPECIFICATIONS (TRAFFIC RAIL).
- DESIGN IS FOR PARTICIPATING CURB – ROADWAY OVER 9 m

  DEEP - BEAM ALTERNATE:
  PARTICIPATING CURB – ROADWAY 9 m OR LESS.
- ALL REQUIREMENTS OF THE BRIDGE BRANCH SPECIFICATION FOR THE SUPPLY OF BRIDGERAIL (SPEC. NO. B.312 M CURRENT AT THE TIME OF TENDERING) SHALL BE MET.
- ALL STEEL SHALL CONFORM TO C.S.A. G 40.21 GRADE 44W, EXCEPT STRUCTURAL TUBING TO CONFORM TO A.S.T.M. A500B. ANCHOR BOLTS TO MEET A.S.T.M. A307.
- ALL MATERIALS SHALL BE HOT DIP GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH THE REQUIREMENTS OF THE FOLLOWING A.S.T.M. SPECIFICATIONS:
  - RAILING AND POSTS — A 123
  - BOLTS AND ANCHOR BOLT ASSEMBLIES — A 153
- ALL WELDING SHALL CONFORM TO THE CURRENT A.W.S. SPECIFICATION D 1.1.
- BRIDGE TO BE CONSIDERED LEVEL FOR BRIDGERAIL FABRICATION.
- ALL DIMENSIONS ARE GIVEN IN mm UNLESS OTHERWISE NOTED.
- HOLLOW STRUCTURAL SECTIONS ARE SHOWN WITH IMPERIAL DESIGNATION.

ERECTION

- ALL DIMENSIONS ARE MEASURED PARALLEL TO TOP OF CURB AND ALONG CENTERLINE OF ANCHOR BOLT ASSEMBLIES.
- TIGHTENING OF RAIL BOLTS:
  ALL RAIL BOLTS ARE TO BE WRENCH TIGHT ONLY AND LOCKED WITH JAM NUT.

WORK WITH DWG'S.:

S-1471 & S-1472 DEEP-BEAM GUARDRAIL AT BRIDGE APPROACHES.
S - 1405 MULTILAYER DEEP-BEAM GUARDRAIL & BRIDGERAIL

NO	DATE	DESCRIPTION	BY
6	90-08-09	TITLE BLOCK REVISED.	DHQ
5	84-09-17	DIM. LINE CORRECTED-END DETAIL	J.C.Y.
4	84-06-21	NOTES REMOVED, BOLT ADDED. REFERENCE DWG. NO. POST SPACING	J.C.Y.
3	83-09-20	POST SPACING	J.C.Y.
2	80-03-31	15 mm ϕ DRAIN HOLE ADDED	R.Q.
1	78 11 16	DIMENSION	R.Q.

REVISIONS

APPROVED — CHIEF BRIDGE ENGINEER — DATE MAY 23/78

Alberta TRANSPORTATION BRIDGE BRANCH — METRIC

6 700 mm TUBE OR 560 mm DEEP-BEAM BRIDGERAIL STANDARD SM BRIDGES

DESIGNED	DRAWN BY	DATE	CHECKED BY	DATE	STREAM	LOCATION	HWY NO	SCALE	FILE NO	SHEET	DWG NO
D.K.D.	F.W. BUDA	77 07 29						SHOWN		OF	S-1402