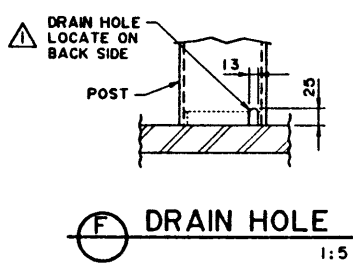


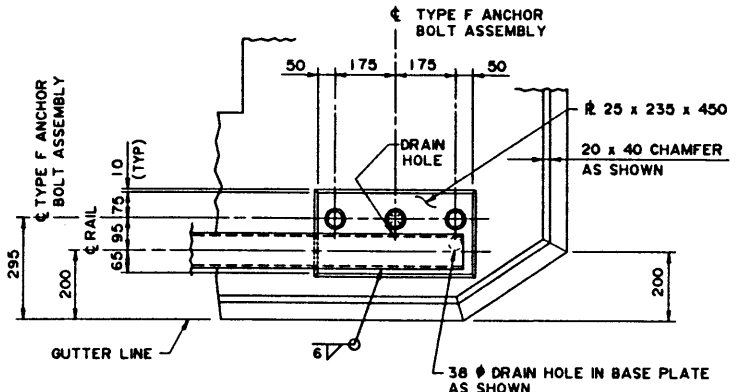
**(A) TYPICAL RAIL SECTION**  
1:10

**RAIL END ELEVATION**  
1:10

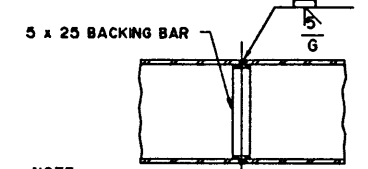
**(D) SECTION**  
1:10



**(F) DRAIN HOLE**  
1:5

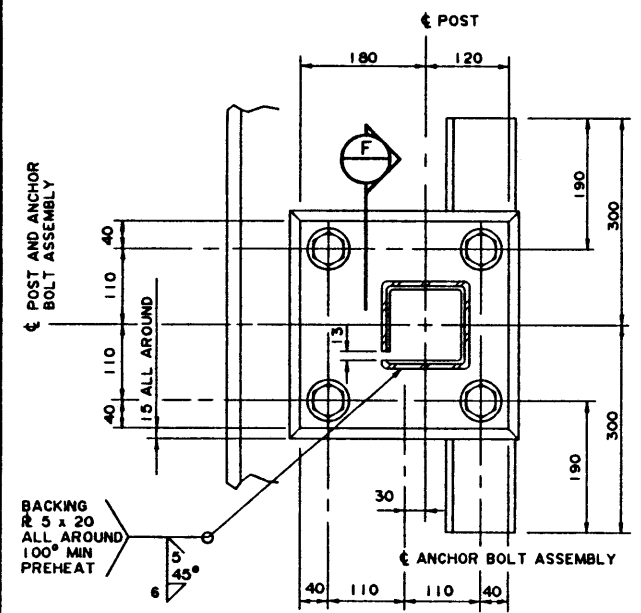


**(E) SECTION**  
1:10

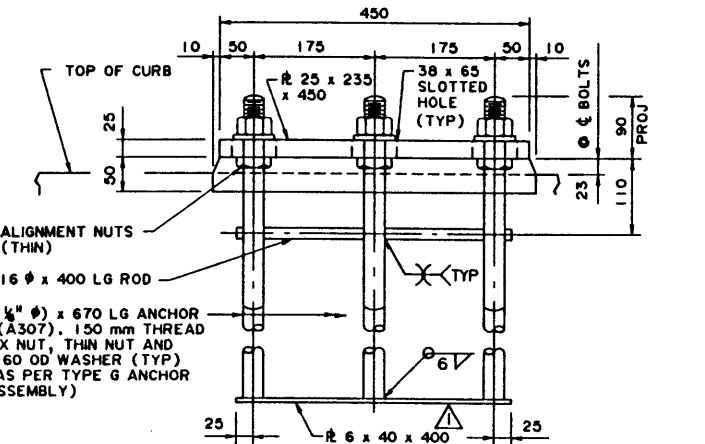


NOTE:  
RAIL SPLICES IF REQUIRED SHALL CONFORM TO THE ABOVE DETAIL AND BE CLEAR OF JOINTS AND CONNECTIONS. NOT MORE THAN ONE SPLICE PER RAIL SECTION.

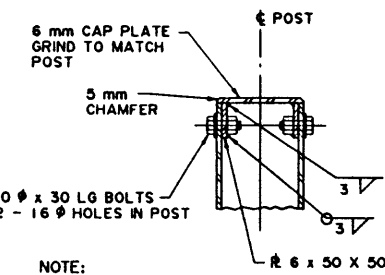
**RAIL SPLICE**  
1:5



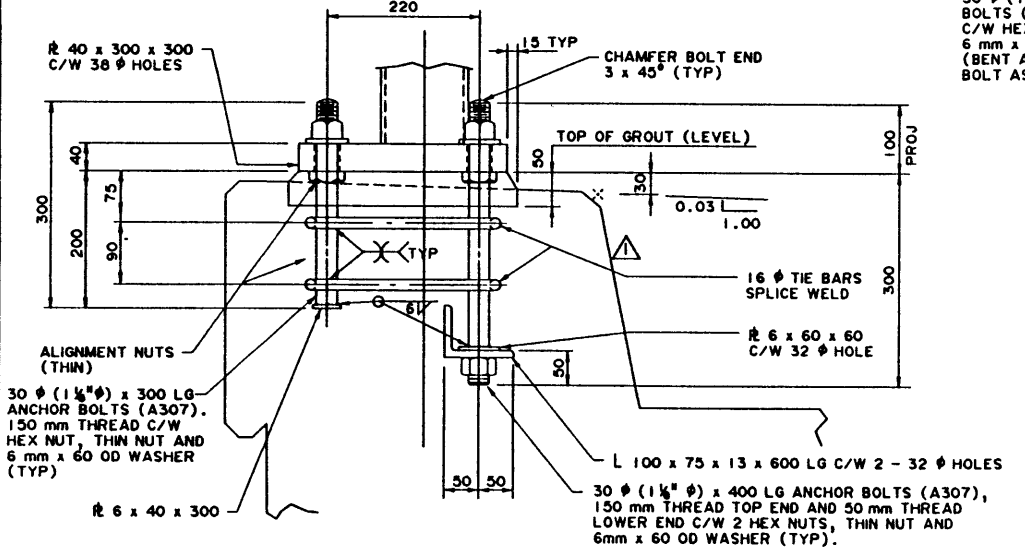
**TYPE E ANCHOR BOLT ASSEMBLY**  
1:5



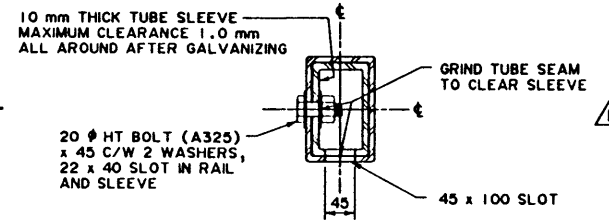
**TYPE F ANCHOR BOLT ASSEMBLY**  
1:5



**(B) SECTION**  
1:5



**TYPE G ANCHOR BOLT ASSEMBLY**  
1:10



**(C) SECTION - TUBE SLEEVE**  
1:5

**GENERAL NOTES**

- CAN/CSA-S6-88 SPECIFICATION - RAIL WITH PARTICIPATING CURB.
- ALL DIMENSIONS ARE IN MILLIMETRES EXCEPT AS OTHERWISE NOTED.
- FABRICATION**
  - ALL REQUIREMENTS OF THE CURRENT BRIDGE ENGINEERING BRANCH SPECIFICATION FOR THE SUPPLY OF BRIDGERAIL (B-312) SHALL BE MET.
  - ALL STEEL SHALL CONFORM TO CSA G40.21M GRADE 300W EXCEPT STRUCTURAL TUBING SHALL CONFORM TO ASTM A500B. ANCHOR BOLTS SHALL CONFORM TO ASTM A307.
  - ALL WELDING SHALL CONFORM TO CURRENT AWS SPECIFICATION D1.5.
  - THE FOLLOWING MATERIALS SHALL BE HOT DIP GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH THE REQUIREMENTS OF ASTM SPECIFICATIONS:
    - RAILING AND POSTS — A123
    - ANCHOR BOLT ASSEMBLIES AND ALL CONNECTING HARDWARE — A153
  - RAILING TO BE FABRICATED WITH TUBE SEAM DOWN OR TO THE OUTSIDE OF THE BRIDGE.
  - POSTS TO BE FABRICATED WITH TUBE SEAM TO THE OUTSIDE.
  - HSS RAIL LENGTHS:
    - MAXIMUM LENGTH MUST ALLOW SINGLE DIP GALVANIZING.
    - MINIMUM LENGTH TO GO OVER AT LEAST TWO POSTS.
  - THE BOTTOM SURFACE OF BASE PLATES SHALL BE COATED BY AN APPROVED COATING SYSTEM, SUITABLE FOR APPLICATION ON GALVANIZED STEEL TO PREVENT CONTACT BETWEEN THE ZINC AND THE GROUT. THE COLOUR SHALL BE MEDIUM GREY.
- ERECTION**
  - ALL POSTS SHALL BE PERPENDICULAR TO GRADE.
  - ALL DIMENSIONS ARE MEASURED PARALLEL TO TOP OF CURB AND ALONG CENTERLINE OF POST ANCHOR BOLT ASSEMBLIES.
  - LINE AND ELEVATION OF RAIL SHALL BE SET BY INSTRUMENT.
  - ALIGNMENT TO BE APPROVED PRIOR TO GROUTING.

DESIGNED		DRAWN		DATE		CHECKED		DATE		STREAM		LOCATION		HIGHWAY		FILE		SHEET		DRAWING	
REVISED		WJW		95-01-10		LEA		95-03-02										1 of 1		S-1618-95	
APPROVED <i>Almanaster</i> EXECUTIVE DIRECTOR BRIDGE ENGINEERING DATE <i>March 10/95</i>										<b>Alberta TRANSPORTATION AND UTILITIES</b> BRIDGE ENGINEERING BRANCH <b>500 mm SINGLE TUBE BRIDGERAIL</b>											