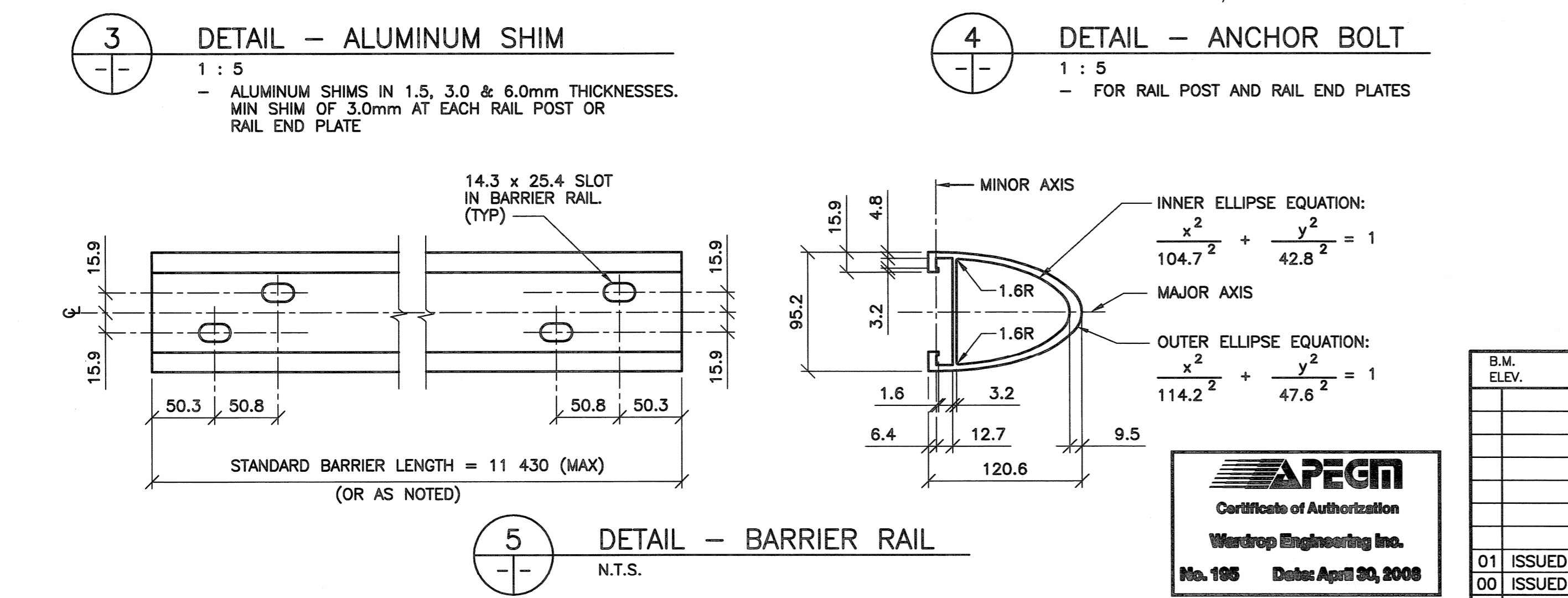
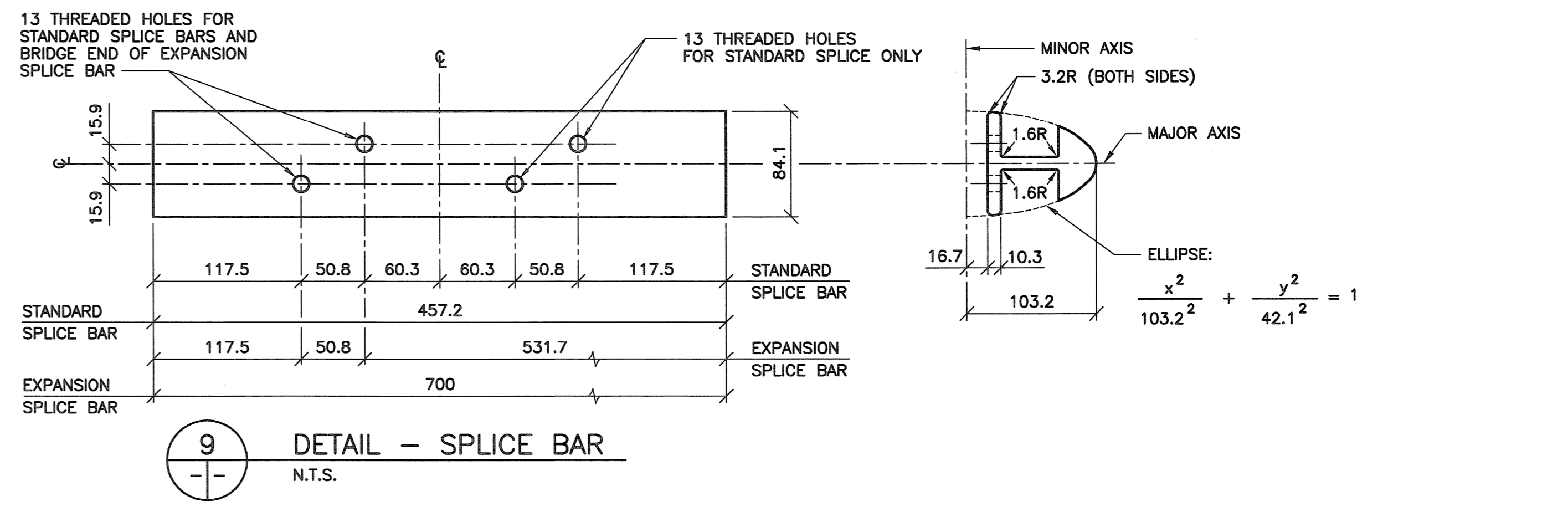
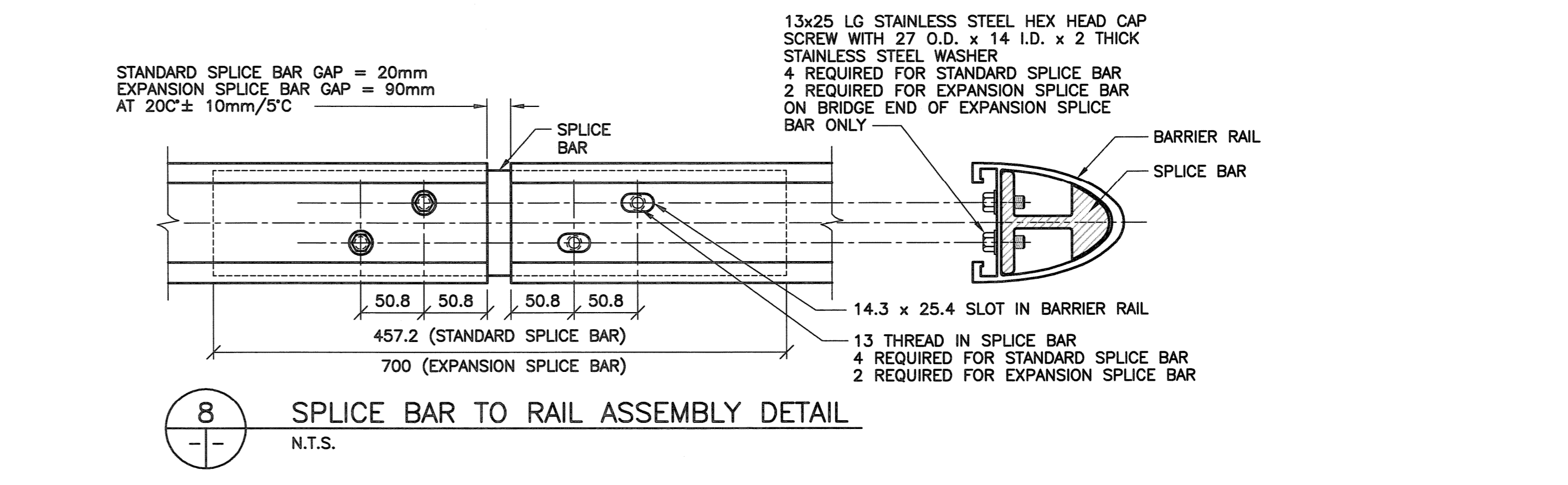
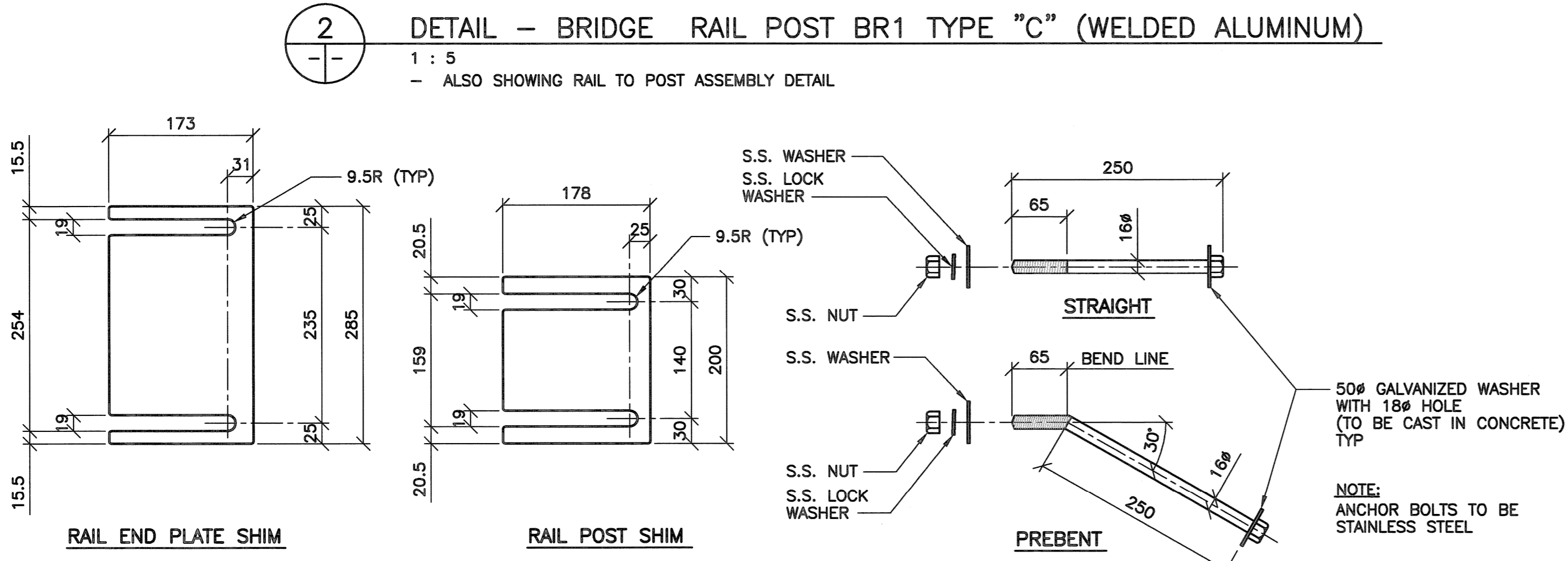
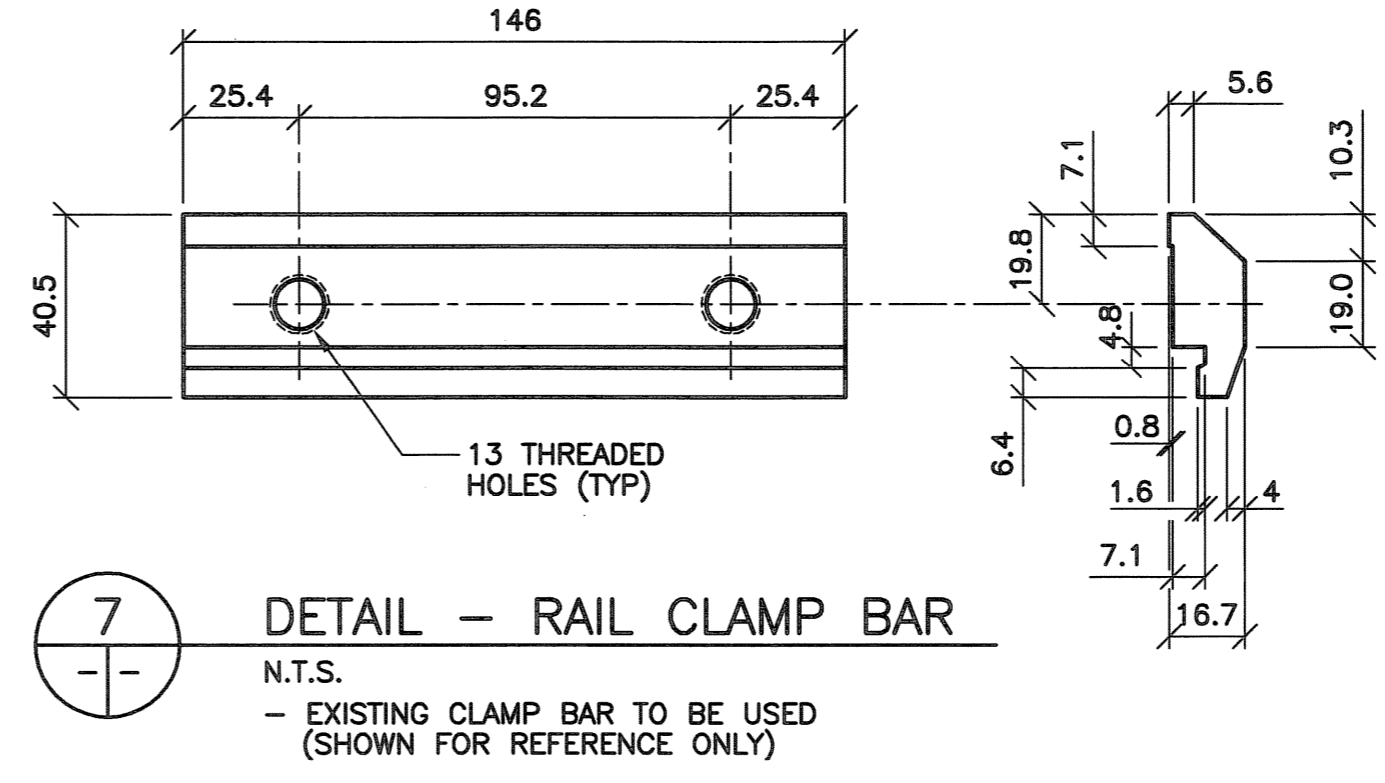
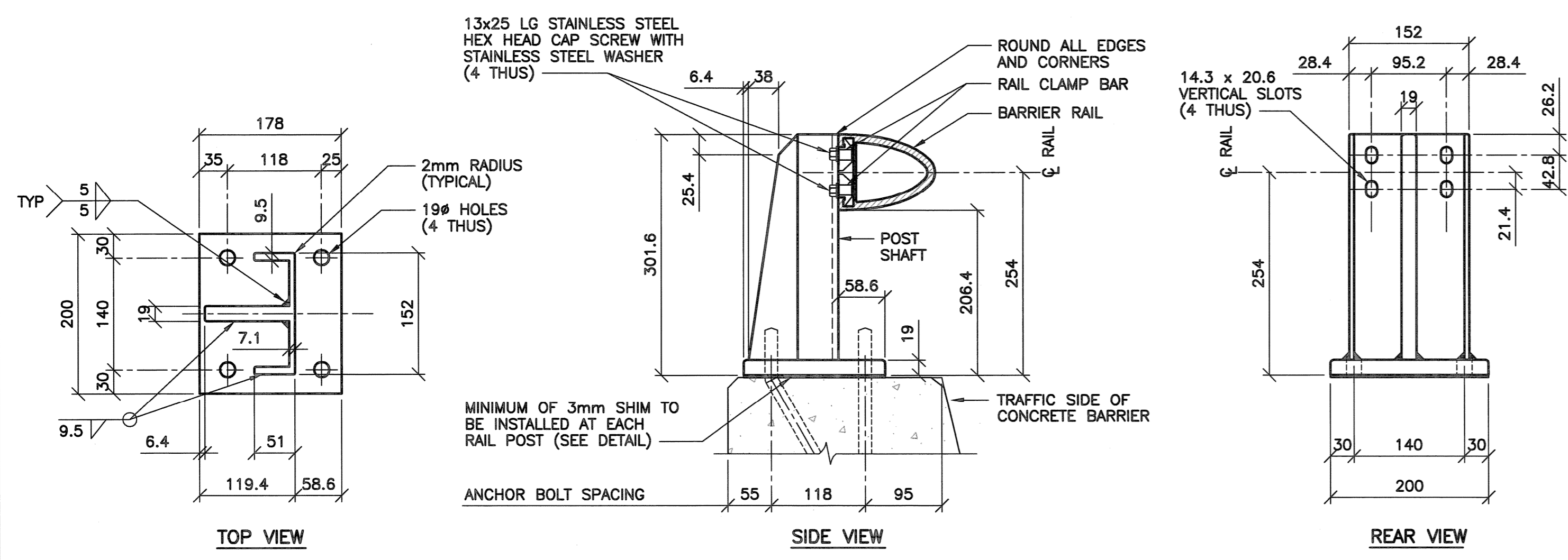


- NOTES:**
1. THE 19# HOLES (4) IN THE BASE OF THE BARRIER RAIL POSTS AND RAIL PLATES ARE DESIGNED TO ACCOMMODATE 16# RAIL POST ANCHOR BOLTS AS DETAILED. SUPPLY WITH EACH ANCHOR BOLT: ONE STAINLESS STEEL PLAIN WASHER, ONE STAINLESS STEEL LOCK WASHER, ONE STAINLESS HEX NUT AND ONE 50# GALVANIZED PLATE WASHER.
 2. A COMBINATION OF 1.5, 3.0 AND/OR 6.0mm THICK ALUMINUM RAIL POST OR PLATE SHIMS ARE TO BE USED AS REQUIRED TO SET THE BARRIER RAIL TO THE SPECIFIED HEIGHT. (MINIMUM 3.0mm SHIM REQUIRED AT EACH POST OR PLATE).
 3. ALL EDGES AND CORNERS OF THE BARRIER POST PLATES AND EXTRUSIONS SHALL BE ROUNDED IN THE SHOP, TO A SMOOTH 2mm RADIUS TO THE SATISFACTION OF THE ENGINEER.
 4. BOTTOM SURFACE OF SHIM (SURFACE IN CONTACT WITH CONCRETE) IS TO BE PAINTED WITH 2 COATS OF ALKALI RESISTANT BITUMINOUS PAINT, EACH COAT BEING 1mm IN THICKNESS.

- SPECIFICATIONS:**
1. EXTRUDED ALUMINUM SHAPES AND PLATES SHALL CONFORM TO THE REQUIREMENTS OF A.S.T.M. B221, ALLOY 6061-T6 OR ALLOY 6351-T5 (MINIMUM ELONGATION 10%)
 2. THE STAINLESS STEEL HEX. HEAD AND SOCKET HEAD CAP SCREWS SHALL MEET THE REQUIREMENTS OF A.S.T.M. A276 TYPE 304 AND THE DIMENSIONAL REQUIREMENTS OF A.N.S.I. B18.3.
 3. DIMENSIONAL TOLERANCES NOT SHOWN OR IMPLIED ARE INTENDED TO BE THOSE CONSISTENT WITH THE PROPER FUNCTIONING OF THE PART, INCLUDING ITS APPEARANCE AND ACCEPTED MANUFACTURING PRACTICES.
 4. THE POST SHAFT SHALL BE MADE FROM A SINGLE CHANNEL-SHAPE EXTRUSION WELDED TO A PLATE SHAPE. THE POST BASE AND SHAFT SHALL THEN BE WELDED TOGETHER.
 5. WELDING SHALL CONFORM TO THE REQUIREMENTS OF CSA STANDARDS S224-1969, WELDED ALUMINUM DESIGN AND WORKMANSHIP AND W47.2-1987, ALUMINUM WELDING QUALIFICATION CODE. ALUMINUM FILLER ALLOY SHALL BE ONE OF THE FOLLOWING: ER4043, ER5183, ER5356, ER5554, ER5556 AND ER5654.
 7. ANTI-SEIZE COATING TO BE APPLIED TO ALL THREADED COMPONENTS WHEN BEING ASSEMBLED. i.e. LPS-3 MANUFACTURED BY HOLT-LLOYD (CANADA) LTD. MARKHAM, ONTARIO L3R 2Z3.



B.M. ELEV.	F.B.	WARDROP Engineering Inc.	ORIGINAL DRAWING REVISION NOT SEALED BY E.F. SHEHATA 08.02.05	THE CITY OF WINNIPEG PUBLIC WORKS DEPARTMENT TRANSPORTATION ENGINEERING DIVISION	CITY DRAWING NUMBER B173-08-034W SHEET 34 OF 54
DESIGNED BY E.F.S.	CHECKED BY [Signature]	DRAWN BY P.S.	APPROVED BY [Signature]	FORT GARRY TWIN BRIDGES WESTBOUND STRUCTURE REHABILITATION AND ASSOCIATED ROADWORKS	ALUMINUM TRAFFIC BARRIER SECTIONS AND DETAILS
01 ISSUED FOR ADDENDUM #2 08.03.05	00 ISSUED FOR TENDER 08.02.05	HOR. SCALE: AS NOTED	ACCEPTED BY [Signature]	CONSULTANT DRAWING NO. 0600070700-DWG-S1134-00	34