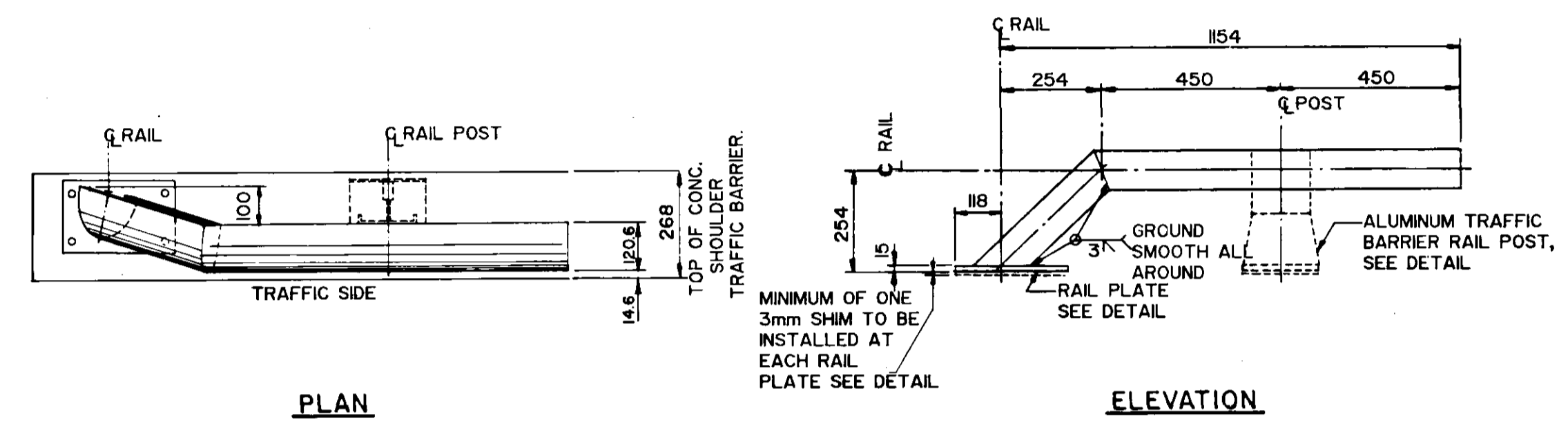
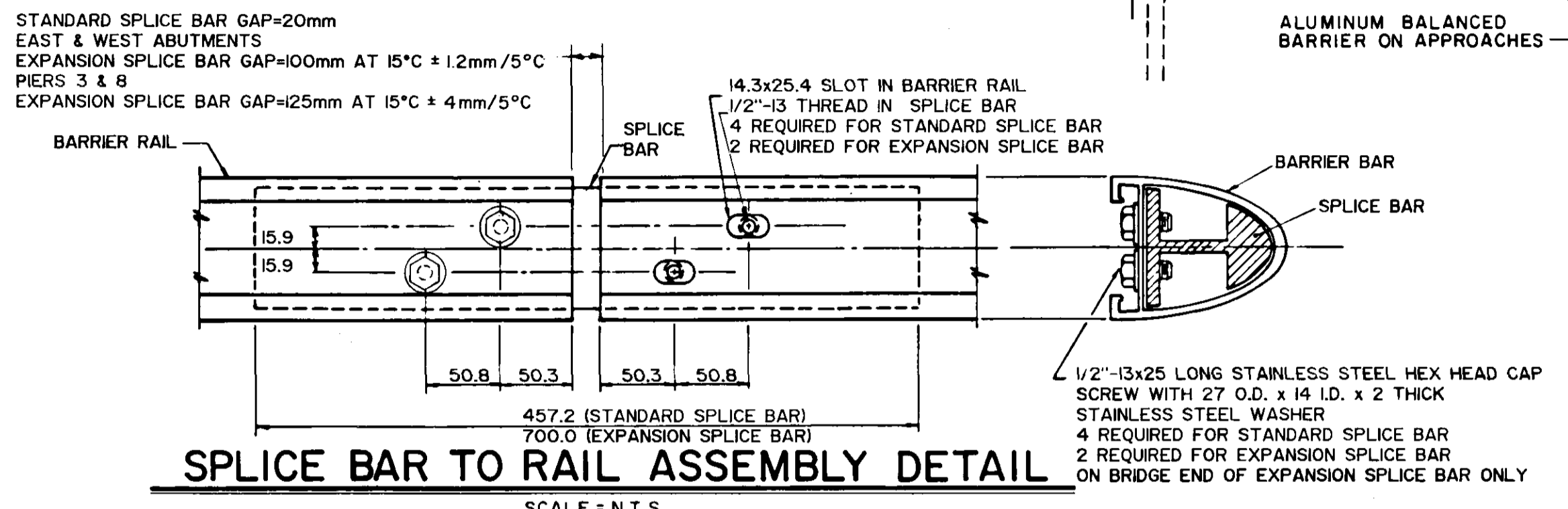
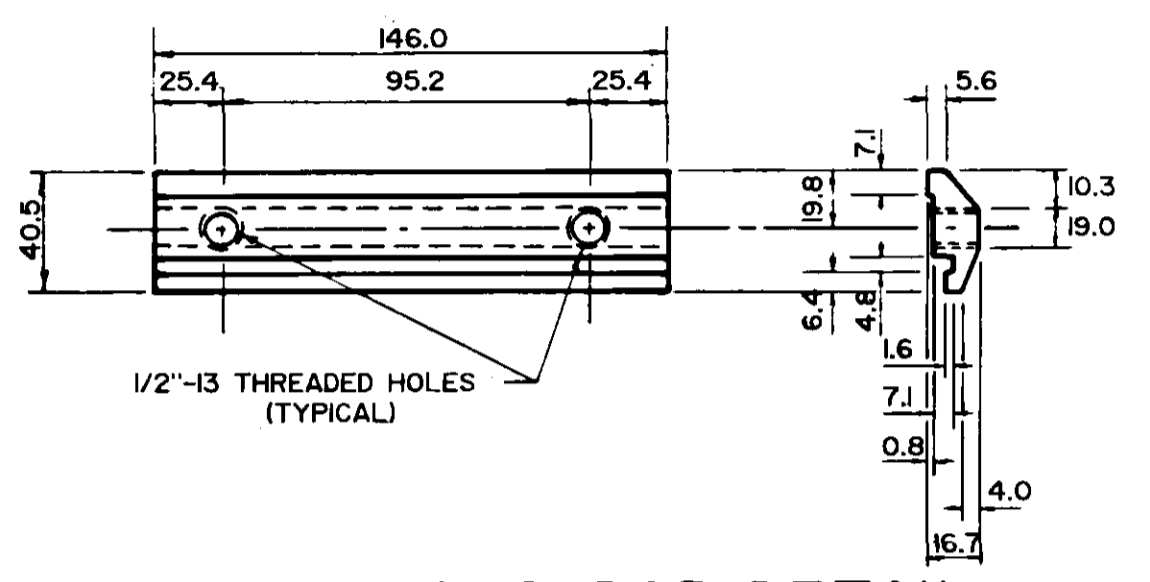


LAYOUT OF ALUMINUM TRAFFIC BARRIER RAIL
(SHOWING FRONT ELEVATION TYPICAL FOR BOTH CONCRETE SHOULDER BARRIERS)
SCALE = 1:100

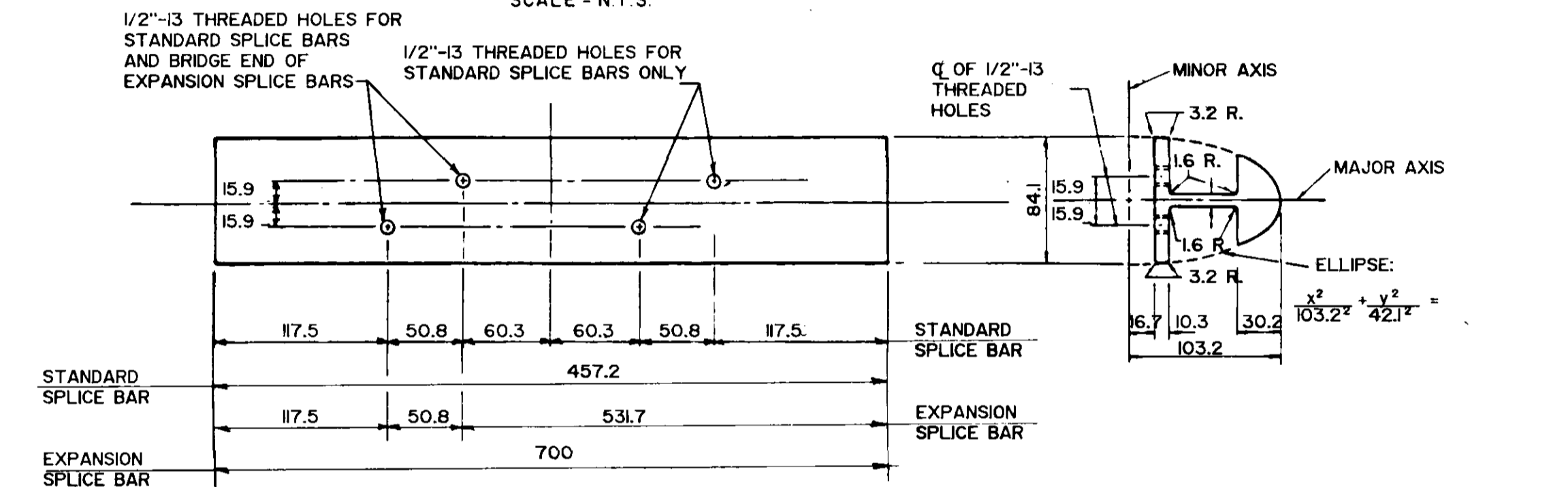
NOTE: * DENOTES DIMENSION AT INSTALLATION TEMPERATURE OF 15°C. SEE "SPLICE BAR TO RAIL ASSEMBLY DETAIL" FOR VARIATION WITH TEMPERATURE



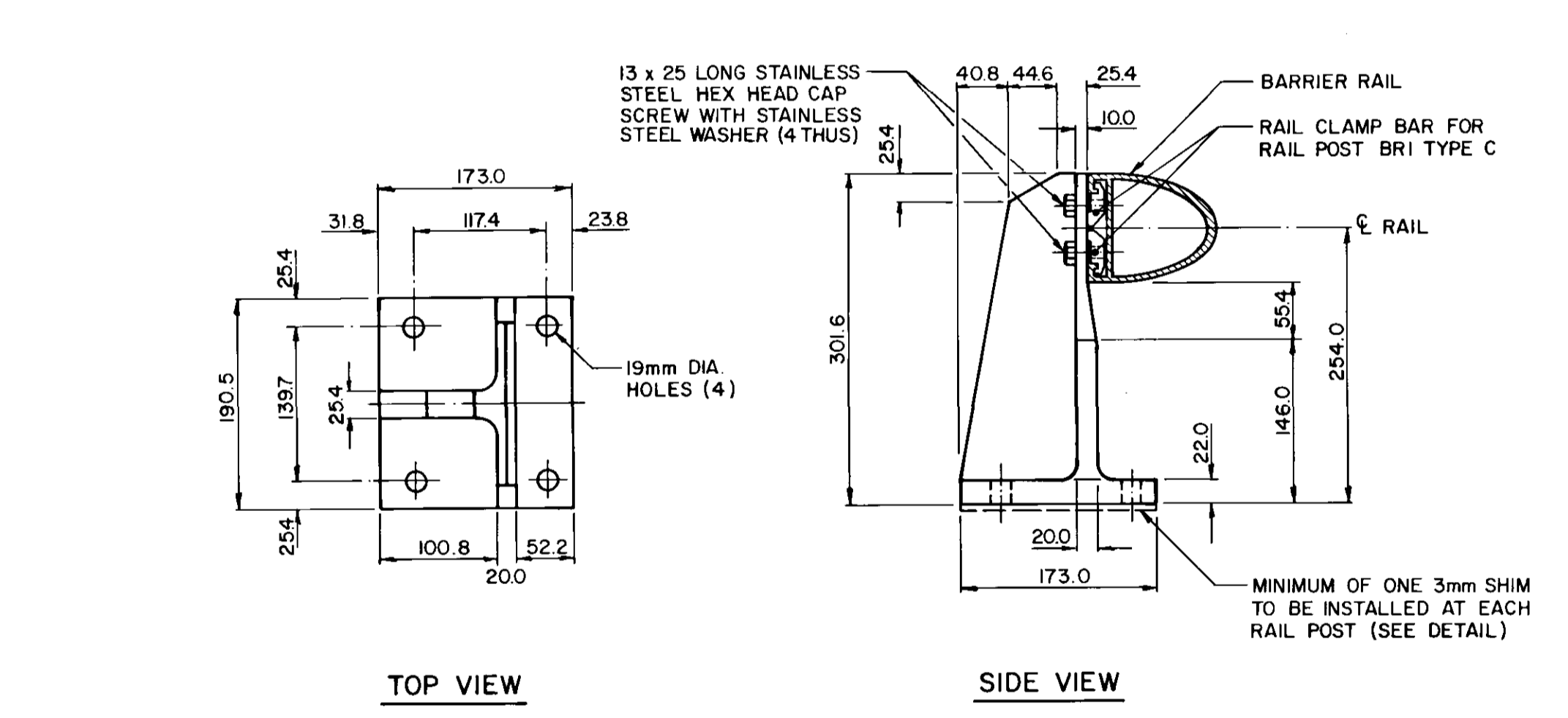
RAIL END SECTION DETAIL
SCALE = 1:10
4 REQUIRED - 2 LEFT HAND (AS SHOWN)
- 2 RIGHT HAND



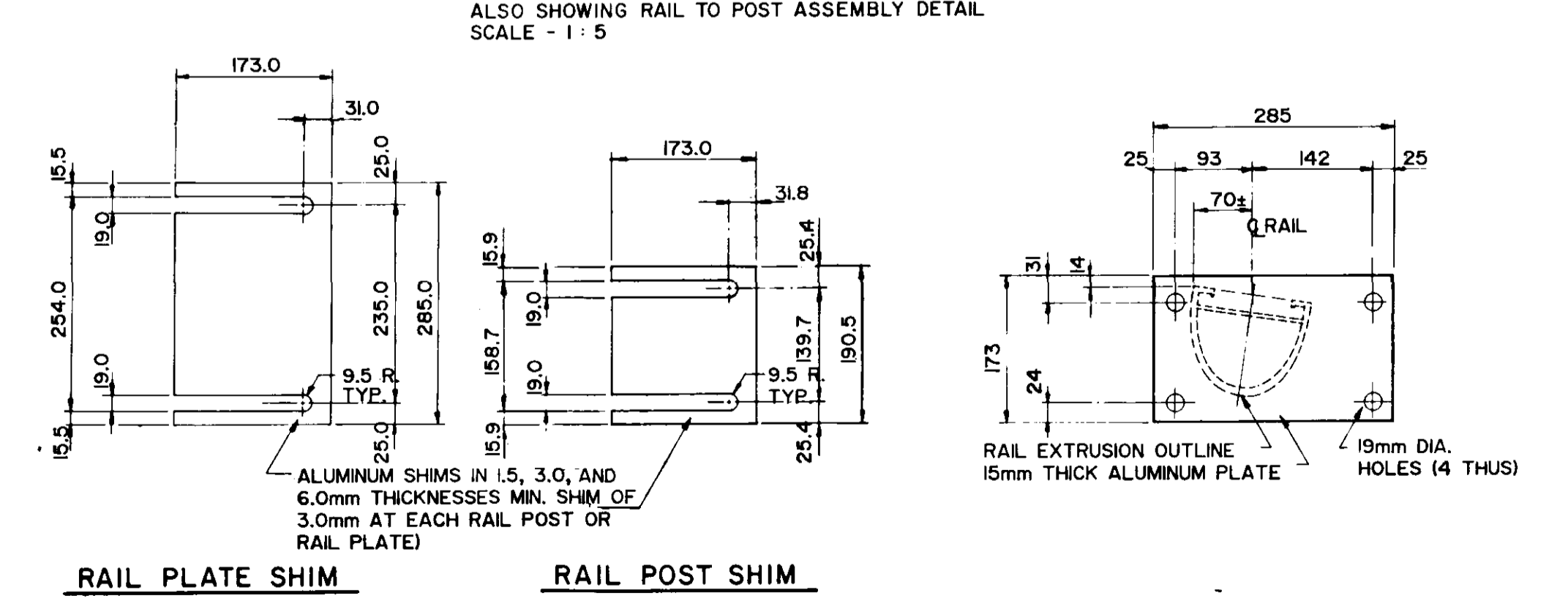
RAIL CLAMP BAR DETAIL
(FOR RAIL POST BRI TYPE C)
SCALE = N.T.S.



DETAIL OF SPLICE BARS
SCALE = N.T.S.



CAST ALUMINUM TRAFFIC BARRIER RAIL POST DETAIL
ALSO SHOWING RAIL TO POST ASSEMBLY DETAIL
SCALE = 1:5



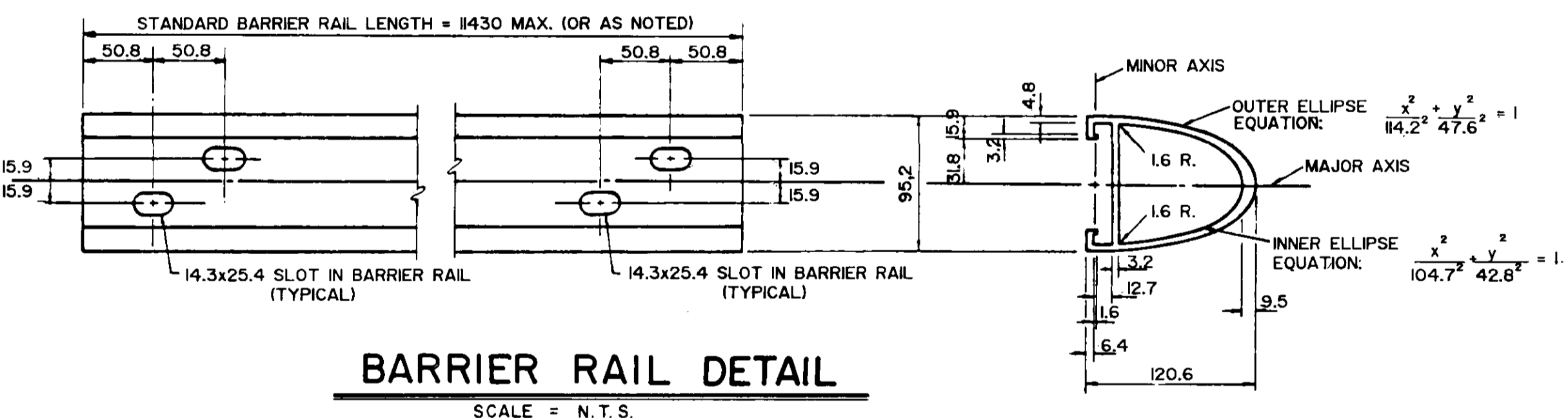
NOTES

1. THE 19mm DIA. HOLES (4) IN THE BASE OF THE BARRIER RAIL POSTS AND RAIL PLATES ARE DESIGNED TO ACCOMMODATE 16mm DIA. RAIL POST ANCHOR BOLTS AS DETAILED. SUPPLY WITH EACH ANCHOR BOLT: ONE STAINLESS STEEL PLAIN WASHER, ONE STAINLESS STEEL LOCK WASHER, AND ONE STAINLESS HEX NUT.
2. A COMBINATION OF 15, 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. REMOVE ALL BURRS AND SHARP EDGES IN THE SHOP. AFTER THE INSTALLATION OF THE BARRIER HAS BEEN COMPLETED, THE TOP EDGES AND CORNERS OF THE BARRIER RAIL POSTS SHALL BE ROUNDED SMOOTH TO THE SATISFACTION OF THE ENGINEER.
4. * DENOTES DIMENSION AT INSTALLATION TEMPERATURE OF 15°C SEE SPLICE BAR TO RAIL ASSEMBLY DETAIL FOR DIMENSION VARIATION WITH TEMPERATURE.
5. FOR BILL OF MATERIALS SEE DWG. B21-85-18.
6. 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 SHALL CONFORM TO THE REQUIREMENTS OF A.S.T.M. B221, ALLOY 6061-T6 OR ALLOY 6355-T5 (MINIMUM ELONGATION 10%).
2. USE ALLOY 535.2 TO CAST RAIL POST.
3. THE STAINLESS STEEL HEX HEAD AND SOCKET HEAD CAP SCREWS SHALL MEET THE REQUIREMENTS OF A.S.T.M. A 276 TYPE 430, AND THE DIMENSIONAL REQUIREMENTS OF A.S.I. B 18.3.
4. 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.

BARRIER RAIL DETAIL
SCALE = N.T.S.



RECORD DRAWING

B-5579

	DESIGNED BY: K.U.	DRAWN BY: BH		NAIRN AVENUE OVERPASS DECK REHABILITATION, STRUCTURAL STRENGTHENING AND RELATED WORKS	
	CHECKED BY: J.T.	DATE: APRIL 1985			WORKS & OPERATIONS DIVISION
	APPROVED BY: [Signature]	JOB No. 0265-216-01			STREETS & TRANSPORTATION DEPARTMENT
	RECORD DRAWING	NOV. 86			ALUMINUM TRAFFIC BARRIER RAIL DETAILS
NO REVISIONS	DATE	APP	AUTHORIZED BY: [Signature] 1985-04-16 ACCEPTED BY: [Signature] 1985-04-16 SCALE AS NOTED DRAWING NO. B121-85-13		