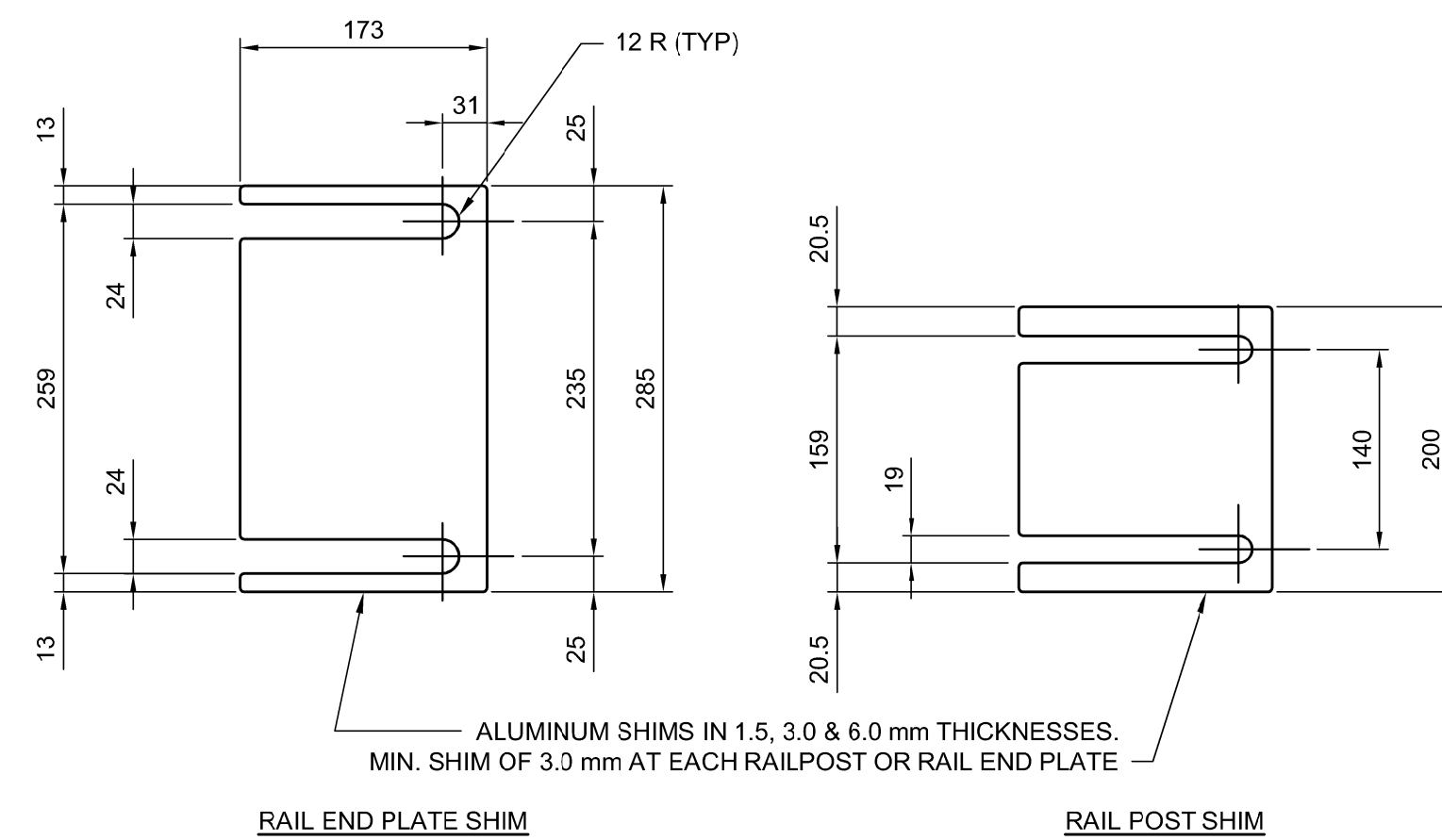
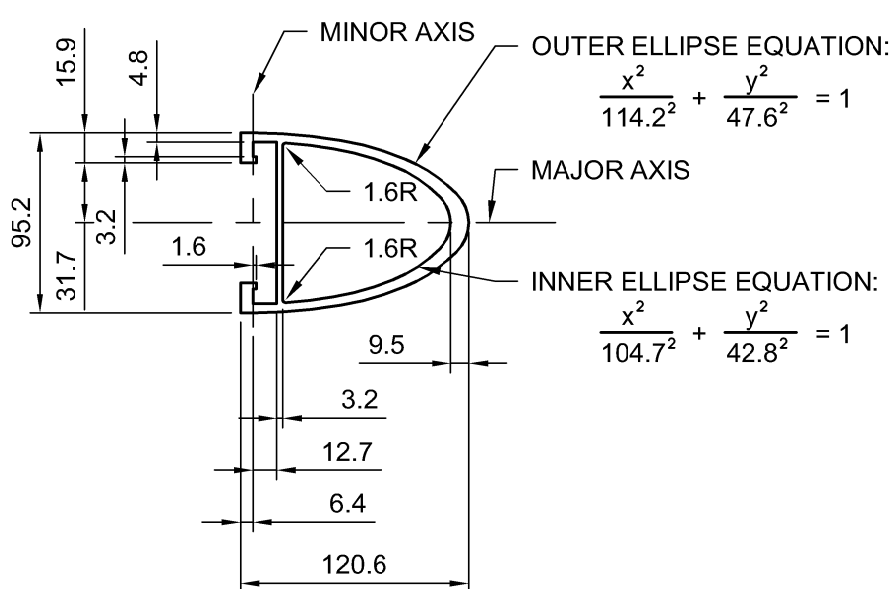
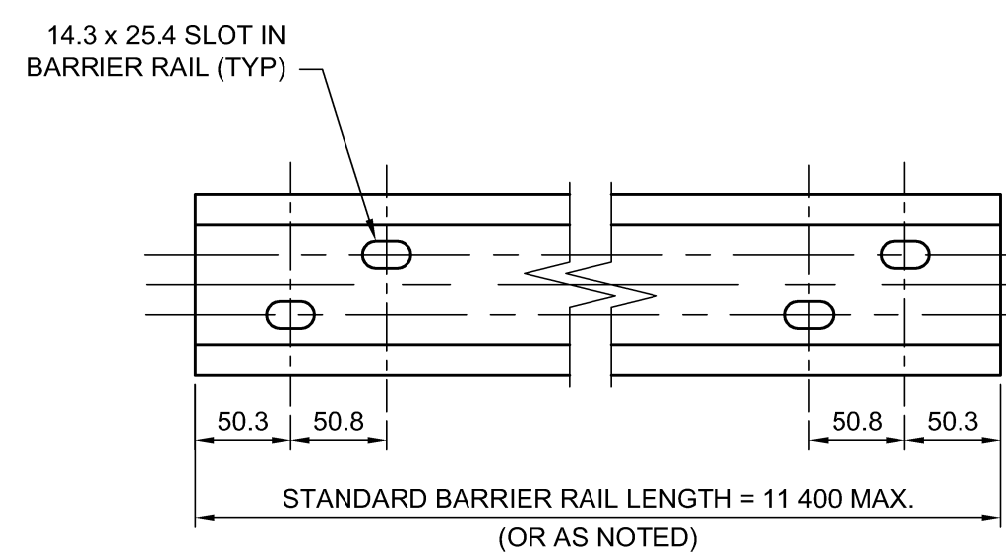


WELDED ALUMINUM TRAFFIC BARRIER RAIL POST DETAIL (BRI)

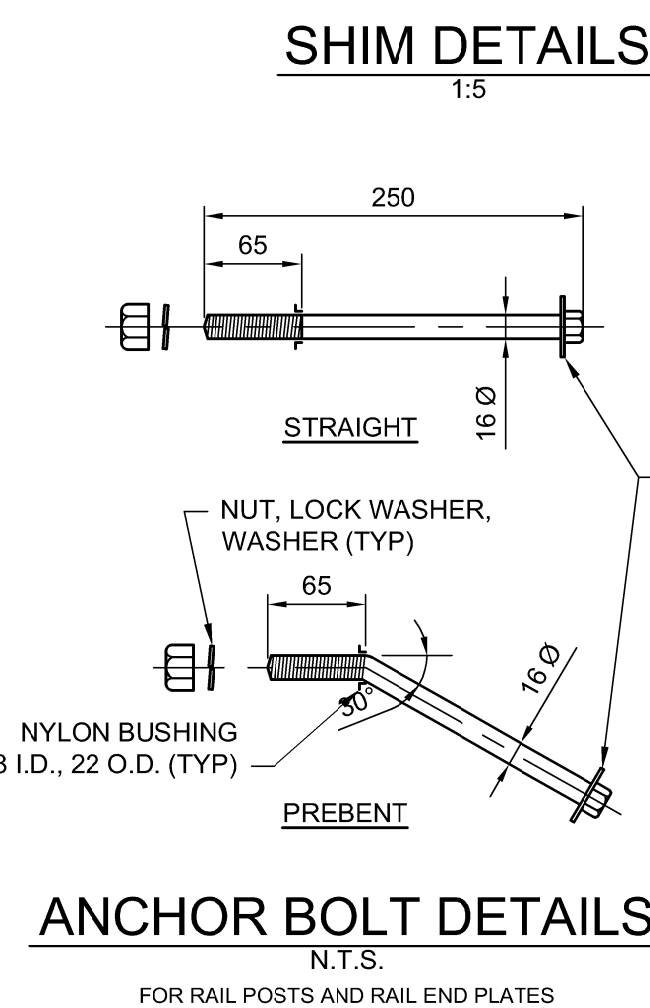
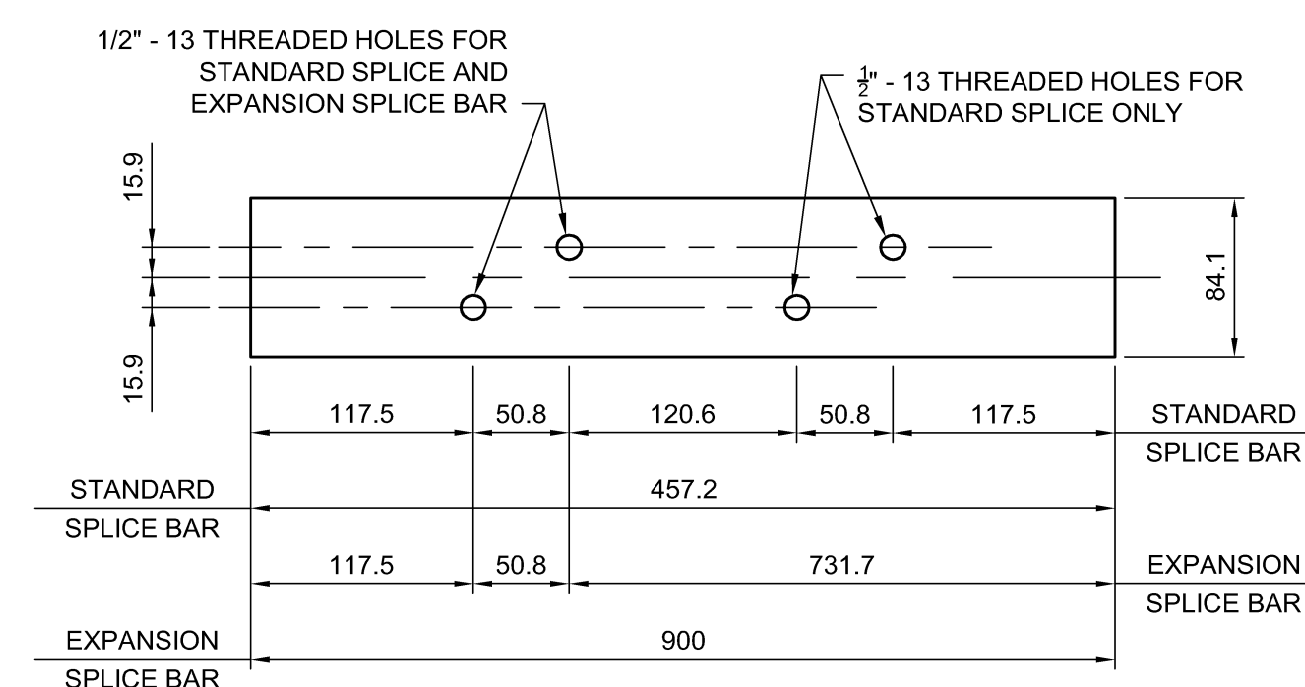
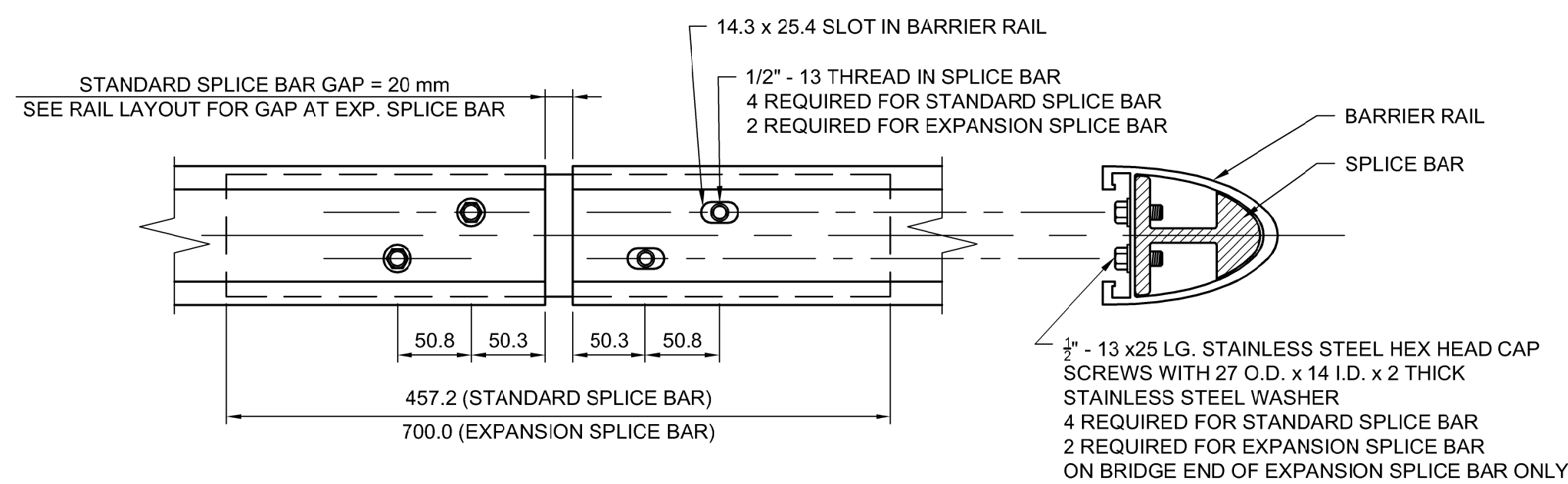
RAIL END SECTION DETAIL



- NOTES:
- THE 24MM DIA. HOLES (4) IN THE BASE OF THE BARRIER RAIL POSTS AND RAIL PLATES ARE DESIGNED TO ACCOMMODATE 16MM DIA. RAIL POST ANCHOR BOLTS PLUS NYLON BUSHINGS AS DETAILED.
 - THE 24MM DIA. HOLES (4) IN THE BASE OF THE BARRIER RAIL POSTS AND RAIL PLATES ARE DESIGNED TO ACCOMMODATE 16MM DIA. RAIL POST ANCHOR BOLTS PLUS NYLON BUSHINGS AS DETAILED.
 - BOTTOM SURFACE OF POST SHIM (SURFACE IN CONTACT WITH CONCRETE) SHALL BE PAINTED WITH 2 COATS OF ALKALI RESISTANT BITUMINOUS PAINT, EACH COAT BEING 1MM IN THICKNESS.

SPECIFICATIONS

- 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%)
- THE STAINLESS STEEL HEX HEAD AND SOCKET HEAD CAP SCREWS SHALL MEET THE REQUIREMENTS OF A.S.T.M. A276, TYPE 316, AND THE DIMENSIONAL REQUIREMENTS OF A.N.S.I. B18.3.
- 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.
- 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.
- WELDING SHALL CONFORM TO THE REQUIREMENTS OF CSA STANDARDS S244-1969, WELDED ALUMINUM DESIGN AND WORKMANSHIP AND W47.2-1967, ALUMINUM WELDING QUALIFICATION CODES. ALUMINUM FILLER ALLOY SHALL BE ONE OF THE FOLLOWING: ER4043, ER5183, ER5356, ER5554, ER5556 AND ER5654.
- CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE CONTRACT ADMINISTRATOR FOR APPROVAL PRIOR TO FABRICATION OF ALUMINUM BARRIER RAIL.



DESIGNED BY	DRA	CHECKED BY	SSR
DRAWN BY	NBG / DB	APPROVED BY	MBL
HOR. SCALE	AS SHOWN	RELEASED FOR CONSTRUCTION	
VERTICAL	AS SHOWN		
ISSUED FOR TENDER	18/02/09	DRA	
NO. REVISIONS	DATE	BY	DATE
0			

DESIGNED BY	DRA
CHECKED BY	SSR
DRAWN BY	NBG / DB
APPROVED BY	MBL
HOR. SCALE	AS SHOWN
RELEASED FOR CONSTRUCTION	
VERTICAL	AS SHOWN
DATE	2018/02/09
DATE	

ENGINEER'S SEAL
CONSULTANT PROJECT NUMBER
17-5932

FERMOR AVENUE BRIDGE OVER SEINE RIVER BRIDGE RE-ABILITATION, PEDESTRIAN-CYCLIST UNDERPASS STRUCTURE AND ROADWORKS FROM ST. ANNE'S ROAD TO ARCHIBALD STREET	
CITY DRAWING NUMBER	B-118-2017-CS-041
SHEET	041 OF 100
CONSULTANT DRAWING NUMBER	CS - 041
SHOULDER BARRIER DETAILS 2 OF 2	