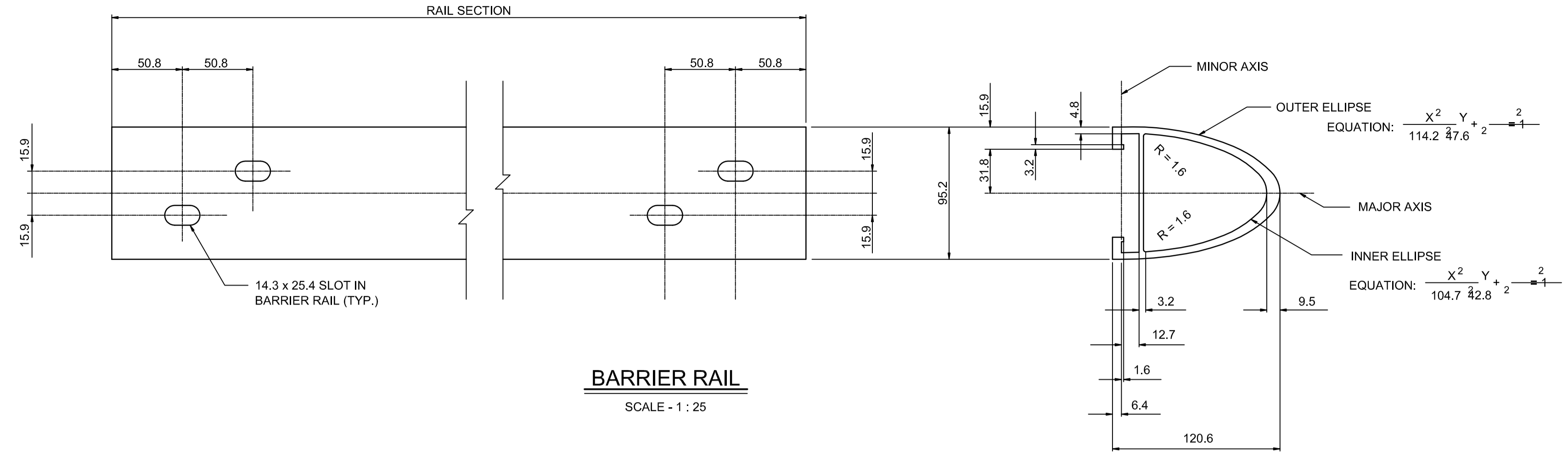
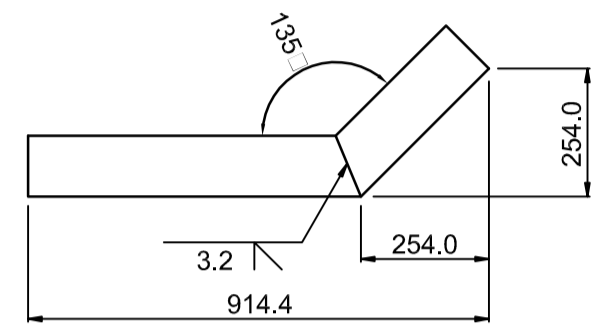


**RAIL CLAMP BAR**  
SCALE - 1 : 25



**BARRIER RAIL**  
SCALE - 1 : 25

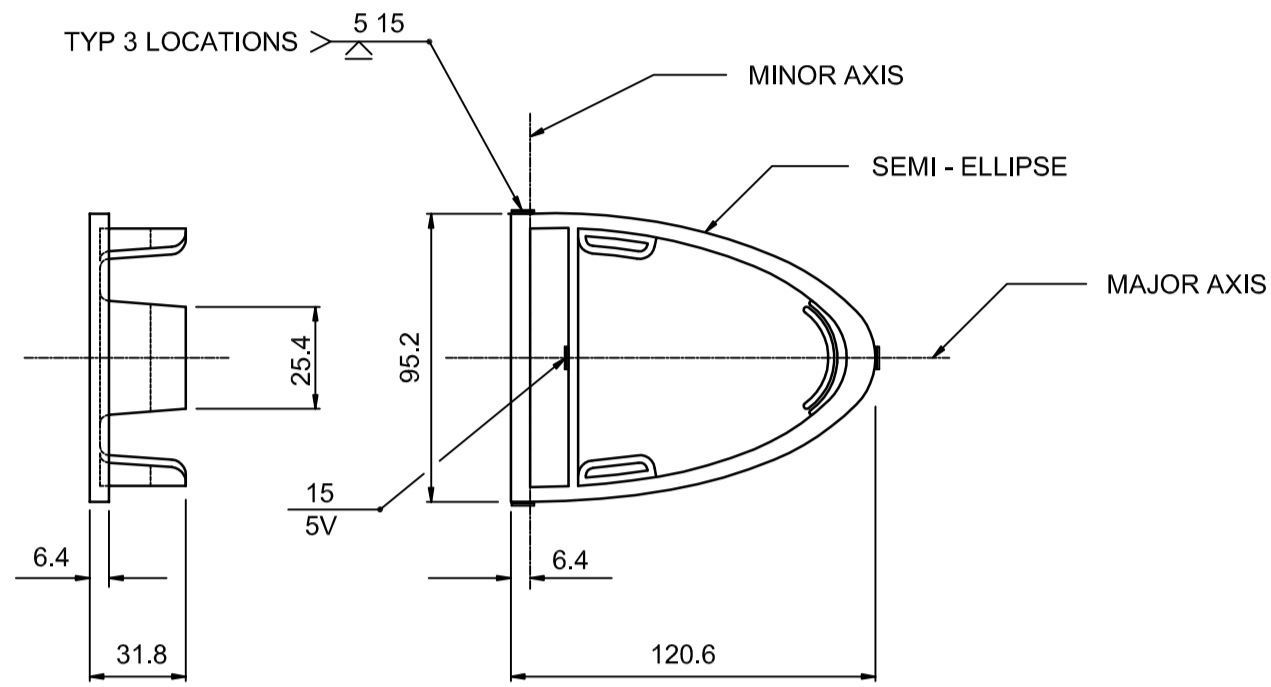


PLAN

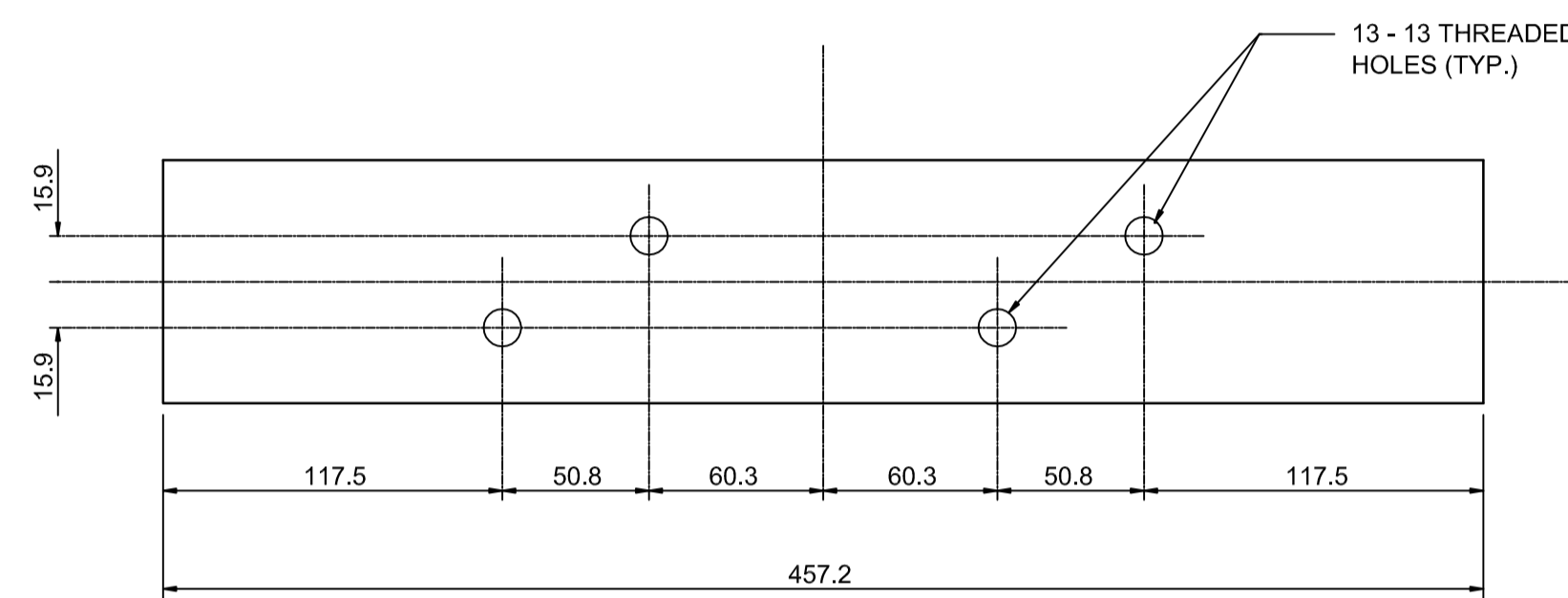
FRONT ELEVATION

TERMINAL END

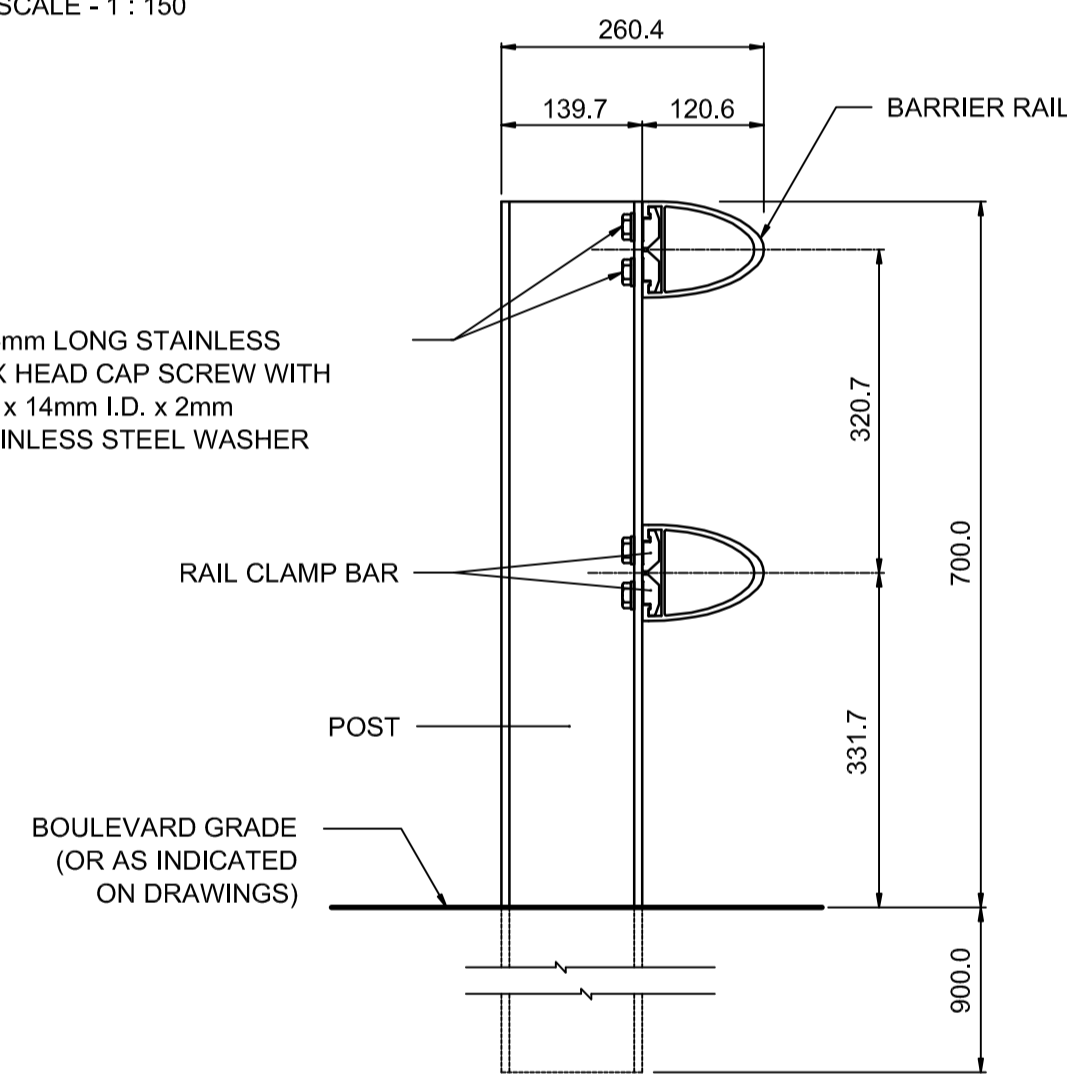
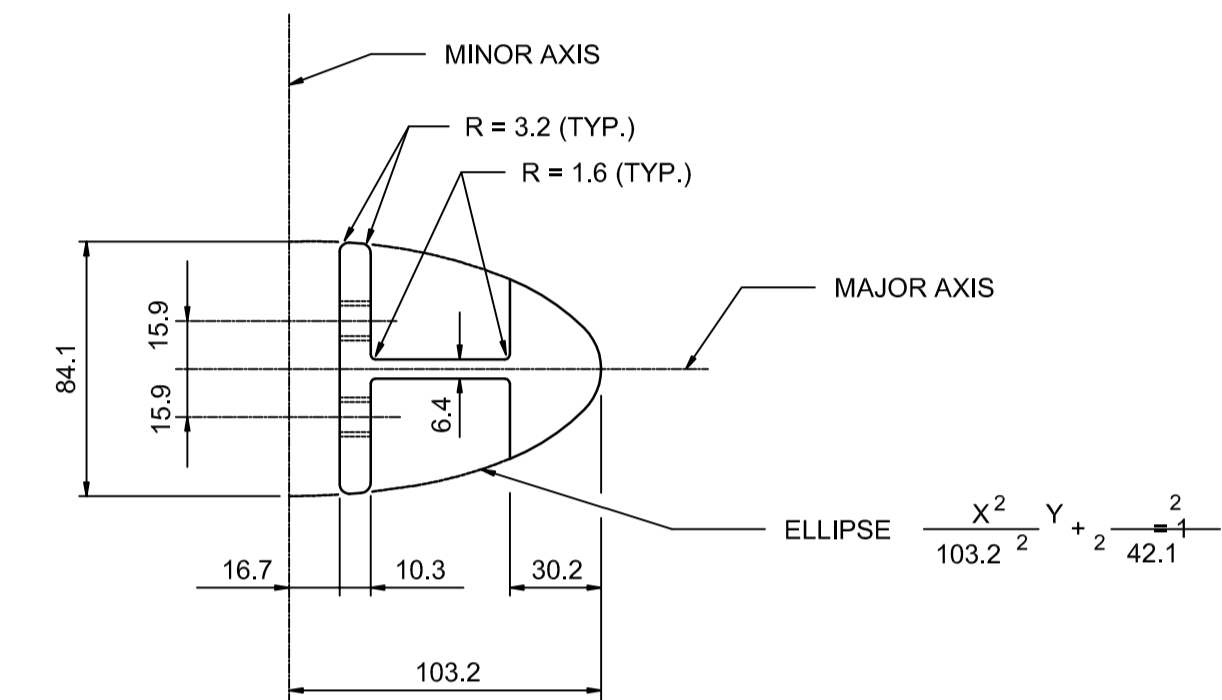
(FABRICATED FROM BARRIER RAIL)  
SCALE - 1 : 150



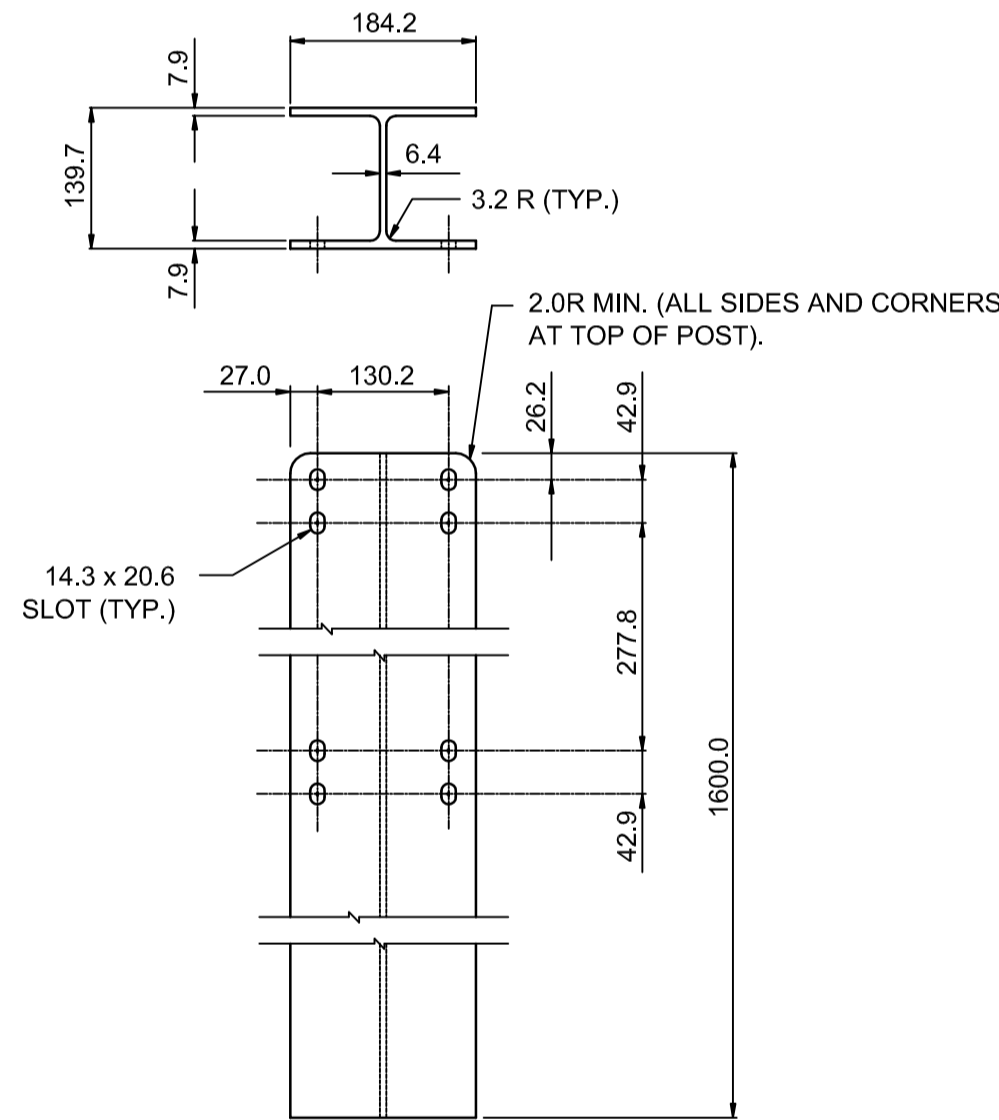
**RAIL END CAP**  
SCALE - 1 : 25



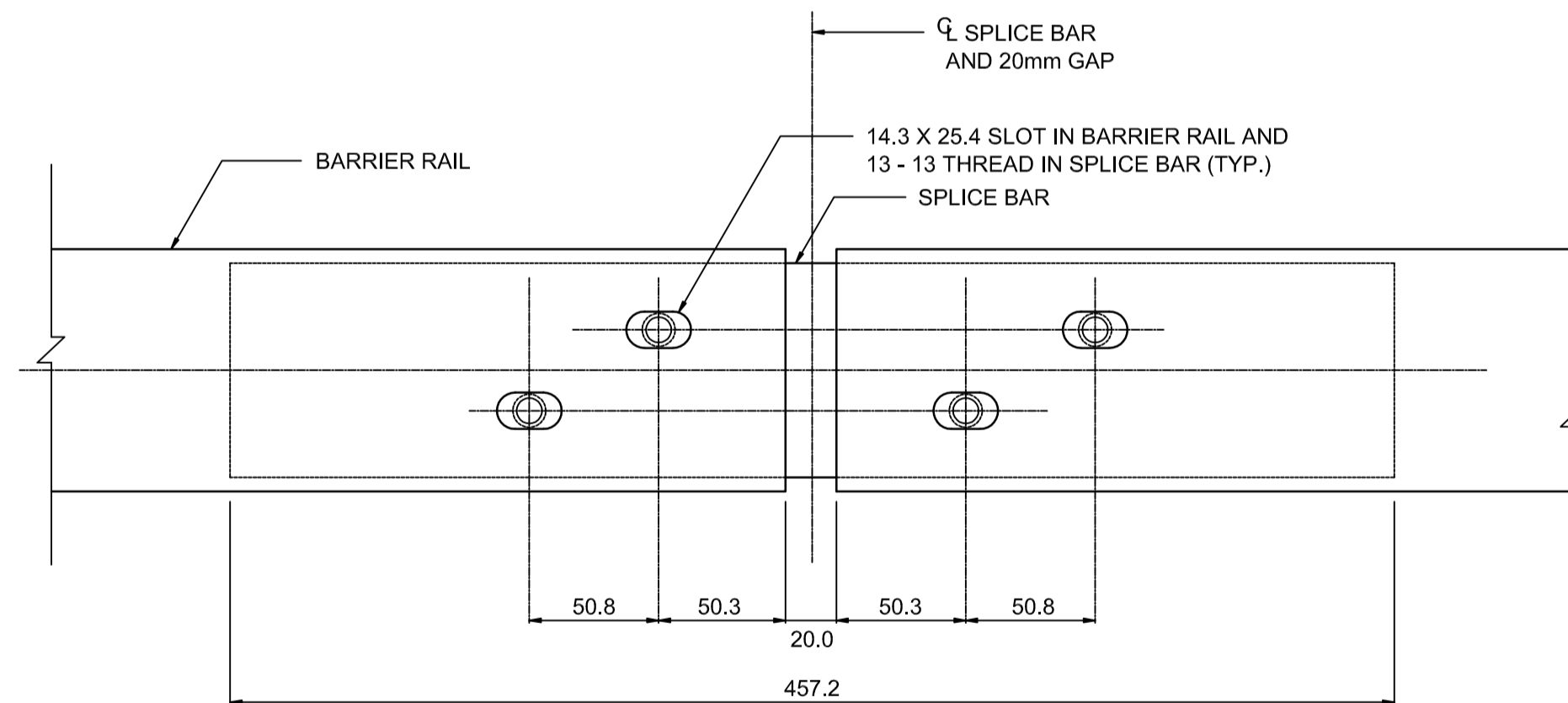
**SPLICE BAR**  
SCALE - 1 : 25



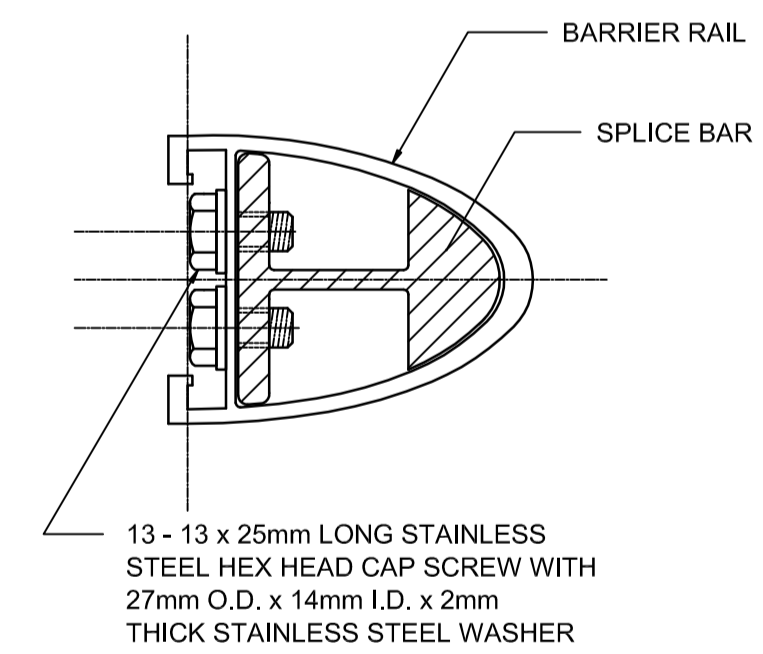
**RAIL TO POST ASSEMBLY DETAIL**  
SCALE - 1 : 75



**1.600m POST**  
(0.800m POST SIMILAR EXCEPT WITH ONLY FOUR SLOTS AT TOP OF POST)  
SCALE - 1 : 75



**SPLICE BAR TO RAIL ASSEMBLY DETAIL**  
SCALE - 1 : 25



**MATERIAL SPECIFICATION**

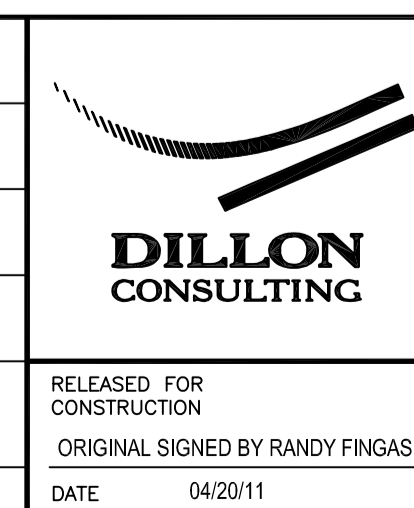
1. ALUMINUM RAILS, POSTS, SPLICE BARS, AND RAIL END CAPS SHALL CONFORM TO ASTM B221, ALLOY 6061 - T6, OR ALLOY 6351 - T6.
2. TYPE 316 STAINLESS STEEL WASHERS SHALL CONFORM TO ASTM A296, TYPE 316.
3. CAP SCREWS SHALL CONFORM TO ASTM A276, TYPE 316 STAINLESS STEEL.
4. ANTI-SEIZE COATING TO BE APPLIED TO ALL THREADED COMPONENTS WHEN BEING ASSEMBLED.  
i.e. LPS-3-MANUFACTURED BY HOLT LLOYD (CANADA) LTD., MARKHAM, ONTARIO L3R 2Z3
5. TWO COATS, EACH 1mm IN THICKNESS OF ALKALI-RESISTANT BITUMINOUS PAINT SHALL BE APPLIED ON THE SURFACES OF POSTS AND RAILS THAT ARE TO BE IN CONTACT WITH THE GROUND.

**METRIC**  
ALL DIMENSIONS SHOWN ARE IN MILLIMETRES



LOCATION UNDERGROUND	APPROVED STRUCTURES	B.M. ELEV.	DESIGNED BY RTP
SUPV. U/G STRUCTURES COMMITTEE	DATE		DRAWN BY TJH
NOTE:			CHECKED BY ORIGINAL SIGNED BY TARAN J. PETERS
LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE, BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.			APPROVED BY ORIGINAL SIGNED BY DAVE P. KRAHN
2	ISSUED FOR TENDER	04/20/11	TJP
1	ISSUED FOR 90% REVIEW	02/18/11	TJP
NO.	REVISIONS	DATE	BY
		DATE	04/20/11

RELEASSED FOR CONSTRUCTION	ORIGINAL SIGNED BY RANDY FINGAS	DATE	04/20/11
CONSULTANT PROJECT NO. 088813		ENGINEER'S SEAL	
DILLON CONSULTING		PROVINCE OF MANITOBA REGISTERED PROFESSIONAL ENGINEER	
T.J. PETERS 04/20/2011 Member 22309		THE CITY OF WINNIPEG TRANSIT DEPARTMENT	



SOUTHWEST RAPID TRANSIT CORRIDOR - STAGE 1 STATION CONSTRUCTION, WARSAW RECONSTRUCTION & ASSOCIATED WORKS		CITY DRAWING NUMBER P-3325-10
GUARDRAIL DETAILS		SHEET 10 OF 28
CONSULTANT DRAWING NUMBER C7-C3006-T		