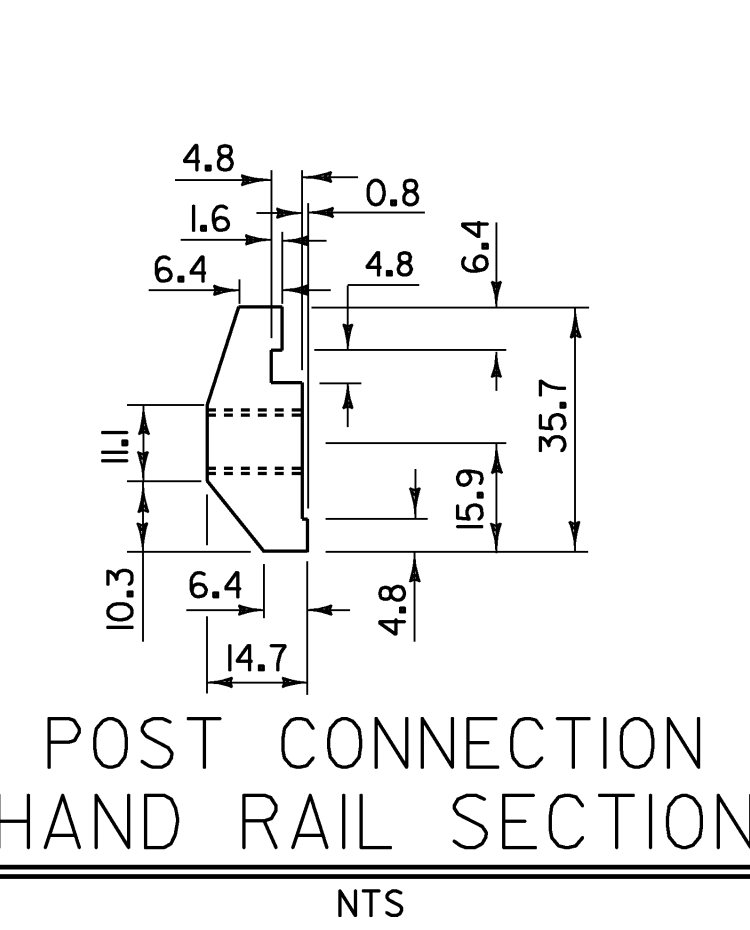
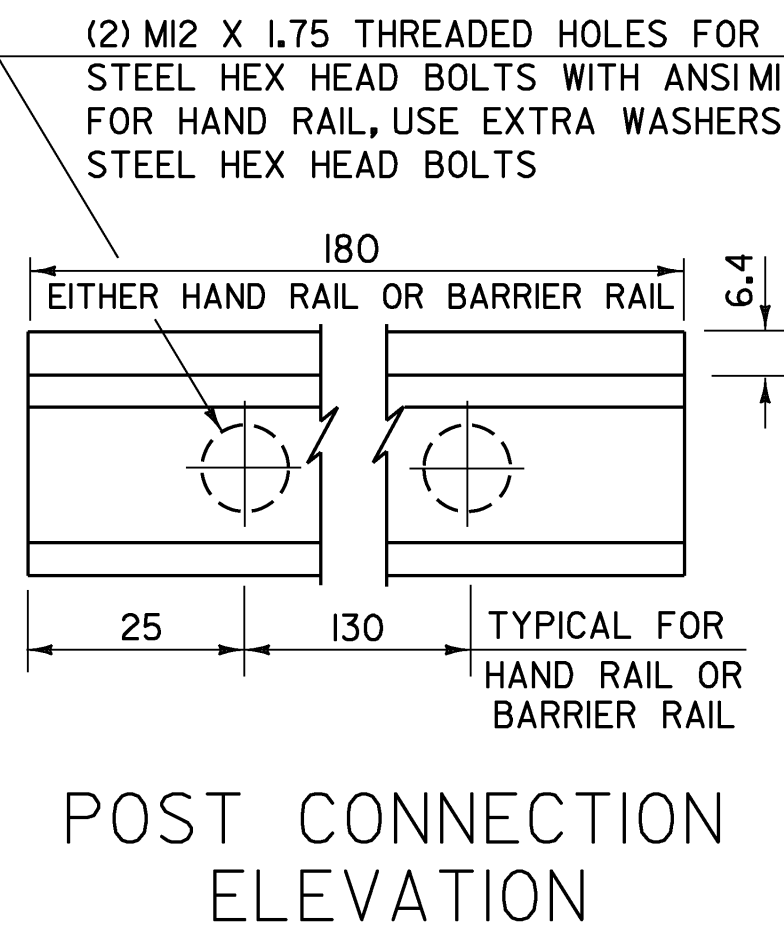


NOTES

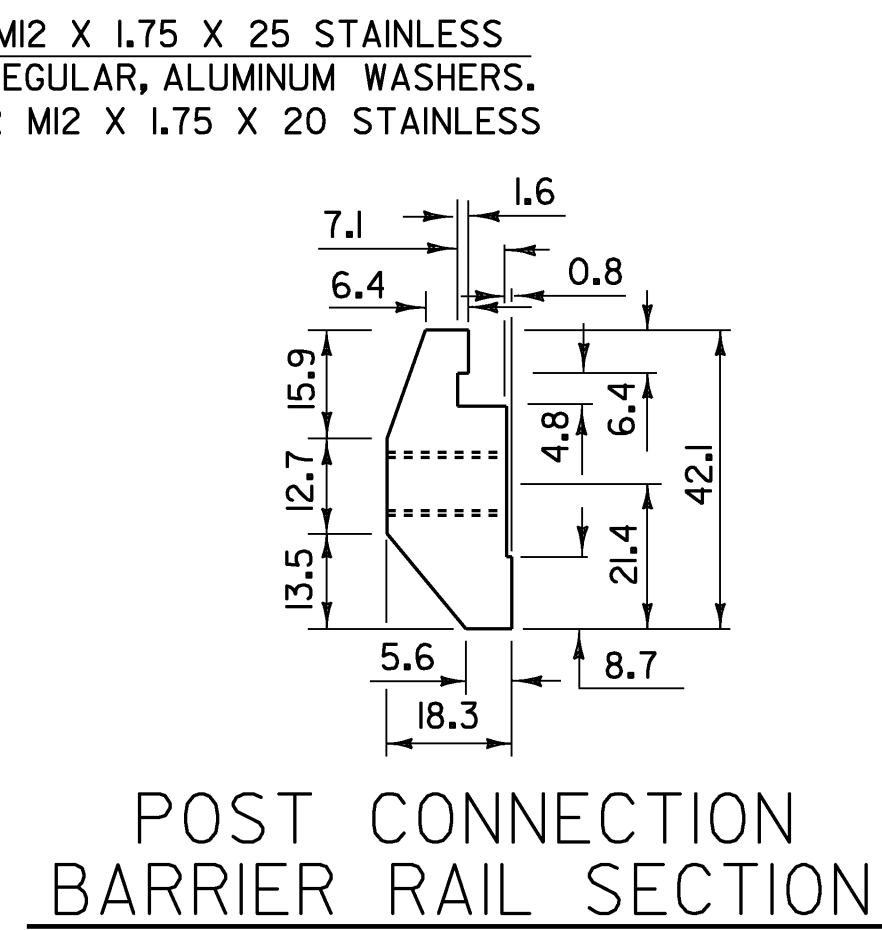
- ANCHOR BOLTS, WASHERS AND HEAVY HEX NUTS SHALL CONFORM TO SUBSECTION 714.07
- ALUMINUM POSTS, POST BASES, SPLICE BARS, CONNECTION BARS, RAILS AND BALUSTER FRAMES SHALL CONFORM TO ASTM B 221M ALLOY 6061-T6 OR ALLOY 6351-T5. MINIMUM YIELD STRENGTH $F = 240 \text{ MPa}$.
- ALUMINUM BALUSTER TUBES SHALL CONFORM TO ASTM B 210M ALLOY 6061-T4 OR 6063-T4.
- ALUMINUM RAIL END CAPS SHALL CONFORM TO ASTM B 26/B 26M ALLOY 356-T6.
- THE POST AND RAIL CONNECTION BOLTS AND WASHERS SHALL CONFORM TO SUBSECTION 732.02 (b)
- SET SCREWS FOR ATTACHING BALUSTERS TO RAILING SHALL CONFORM TO SUBSECTION 732.02 (b).
- RIVETS SHALL BE COLD DRIVEN HIGH BUTT HEAD "CONE POINT", CONFORMING TO ASTM B 316/B 316M ALLOY 6061-T6.
- THE ANCHOR PLATE FOR THE POST ANCHOR ASSEMBLY SHALL BE AASHTO M270M/M270 GRADE 250 OR HIGHER STRUCTURAL STEEL.
- WELDING SHALL CONFORM TO THE REQUIREMENTS OF SUBSECTION 506.10
- UNLESS OTHERWISE SPECIFIED, ANCHOR BOLTS SHALL BE CAST INTO THE CONCRETE AS DETAILED.
- WHENEVER FEASIBLE, BARRIER RAIL AND HAND RAIL SECTIONS SHALL BE FULL LENGTH SECTIONS (12 m +) AND WHEN PRACTICAL SHALL BE ATTACHED TO THREE POSTS. RAILS SHALL BE SPLICED AT EACH DECK JOINT AND INTERMITTENTLY AS REQUIRED. SPLICES SHALL OCCUR WITHIN THE SAME PANEL.
- ENDS OF RAILS SHALL BE CUT SQUARE AND GROUND FREE OF BURRS OR RAGGED EDGES. EXPOSED ENDS SHALL BE CAPPED.
- THE CONCRETE CONTACT SURFACE AT THE POST BASE SHALL BE BUSH HAMMERED AND/OR SHIMMED AS REQUIRED FOR PROPER POST ALIGNMENT. POST HEIGHT ADJUSTMENTS LESS THAN 6 mm SHALL BE WITH 2-mm AND 3-mm SHIMS. CORRECTIONS EXCEEDING 6 mm SHALL BE WITH EPOXY MORTAR. FABRIC BEARING PADS AND ANY REQUIRED SHIMS OR EPOXY MORTAR ARE INCIDENTAL TO THE UNIT PRICE BID FOR THE RAILING.
- SHIMS AND 3-mm FABRIC BEARING PADS SHALL BE 273 mm SQUARE WITH SLOTTED HOLES SIZED AND LOCATED THE SAME AS THE POST BASE DETAIL. FABRIC BEARING PADS SHALL CONFORM TO SUBSECTION 731.01 OR 731.02, SHIM MATERIAL SHALL BE ASTM B 209M ALLOY 1100-0.
- EXTRUDED SECTIONS ARE DETAILED TO COMPLY WITH CURRENT AASHTO-AGC-ARTBA STANDARDS. MINOR VARIATIONS OF THE DETAILS SHOWN MAY BE CONSIDERED PROVIDING THEY DO NOT REDUCE THE STRENGTH CAPACITY OF THE RAIL SYSTEM.
- ALUMINUM WASHERS SHALL BE ASTM B209M ALLOY ACLAD 2024-T4.
- THE BRIDGE RAILING SYSTEM AND RELATED HARDWARE SHALL BE ANODIZED TO A HARD BLACK (SATIN FINISH COLOR) EXCEPT AS NOTED. (SEE SPECIAL PROVISIONS.)



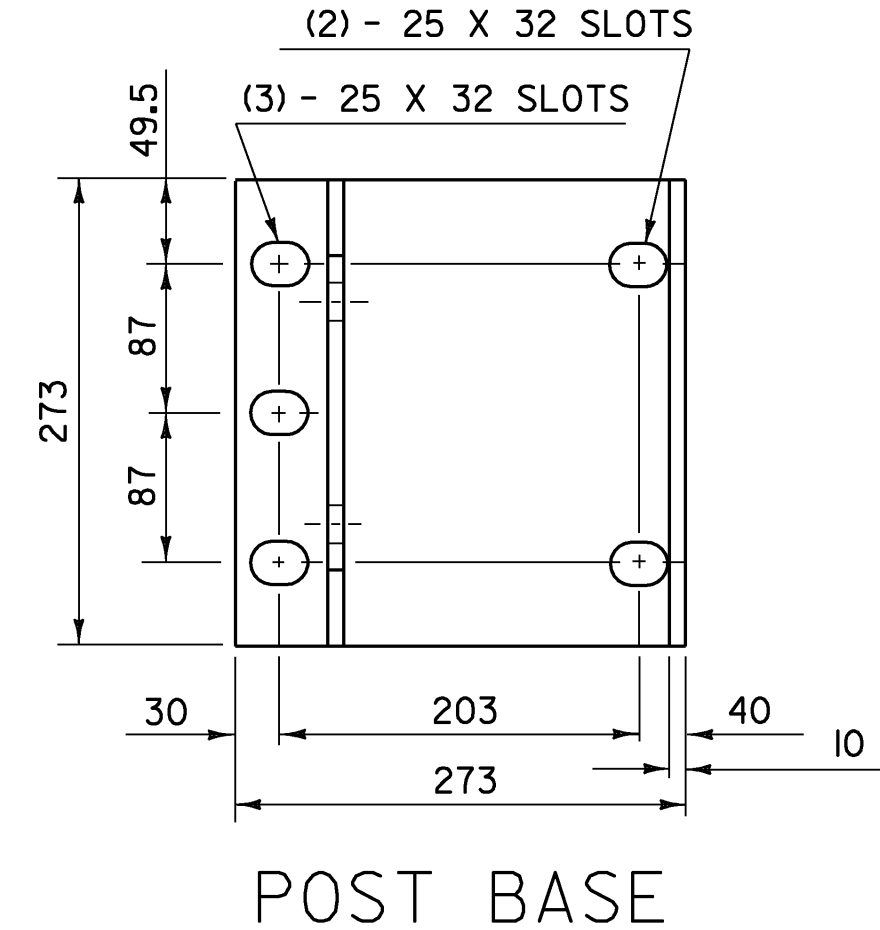
POST CONNECTION HAND RAIL SECTION
NTS



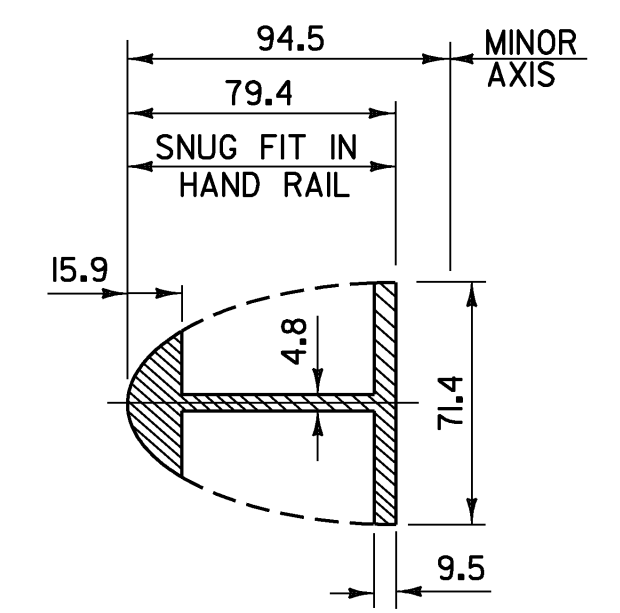
POST CONNECTION ELEVATION
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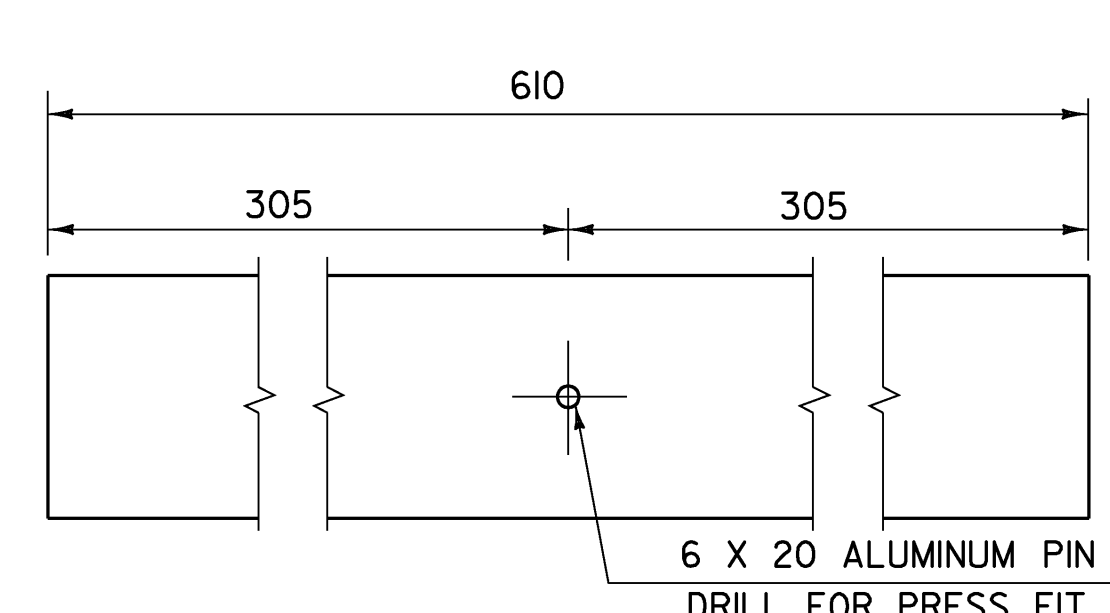
POST CONNECTION BARRIER RAIL SECTION
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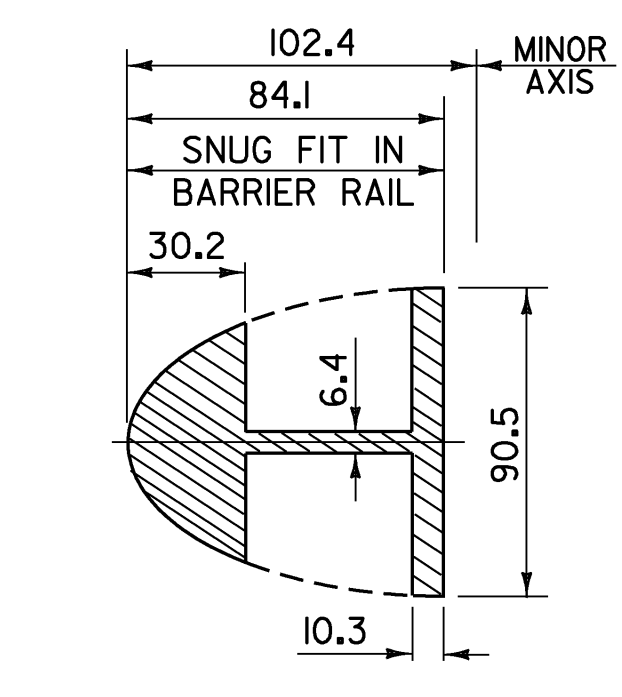
POST BASE PLAN
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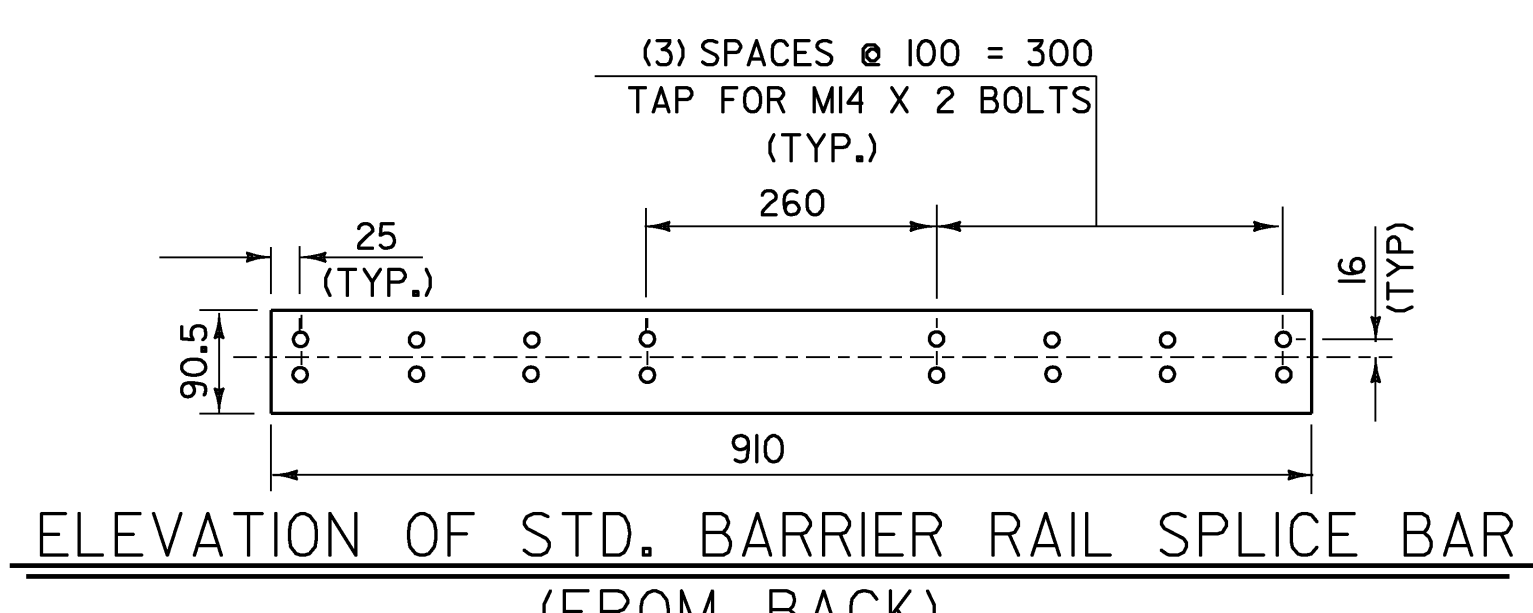
HAND RAIL SPLICE SECTION
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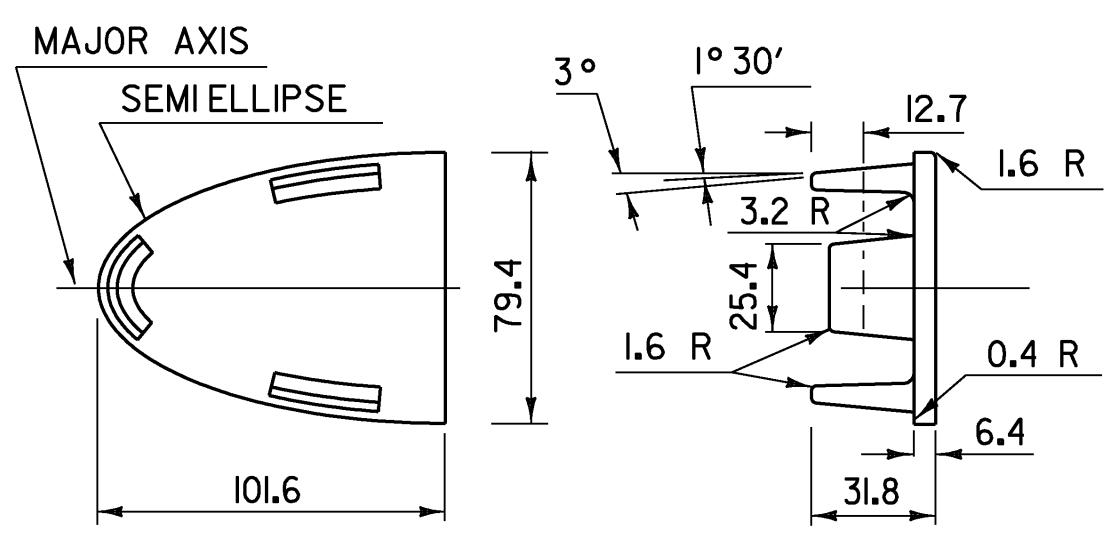
ELEVATION OF HAND RAIL SPLICE BAR
NTS



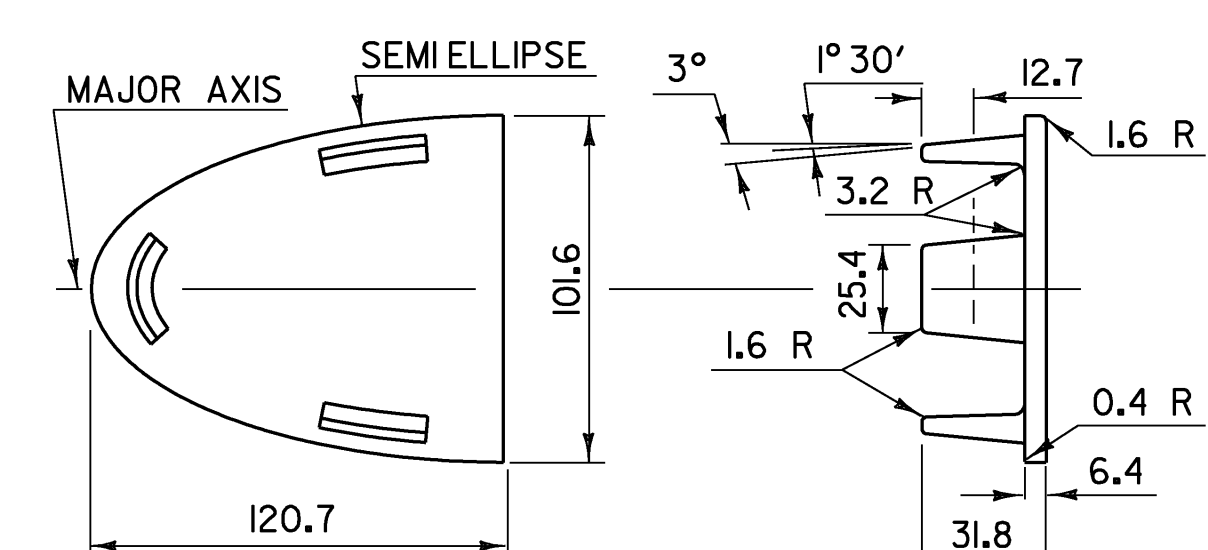
BARRIER RAIL SPLICE SECTION
(SEE SHEET 27 FOR ELEVATION OF BARRIER RAIL SPLICE BAR)
NTS



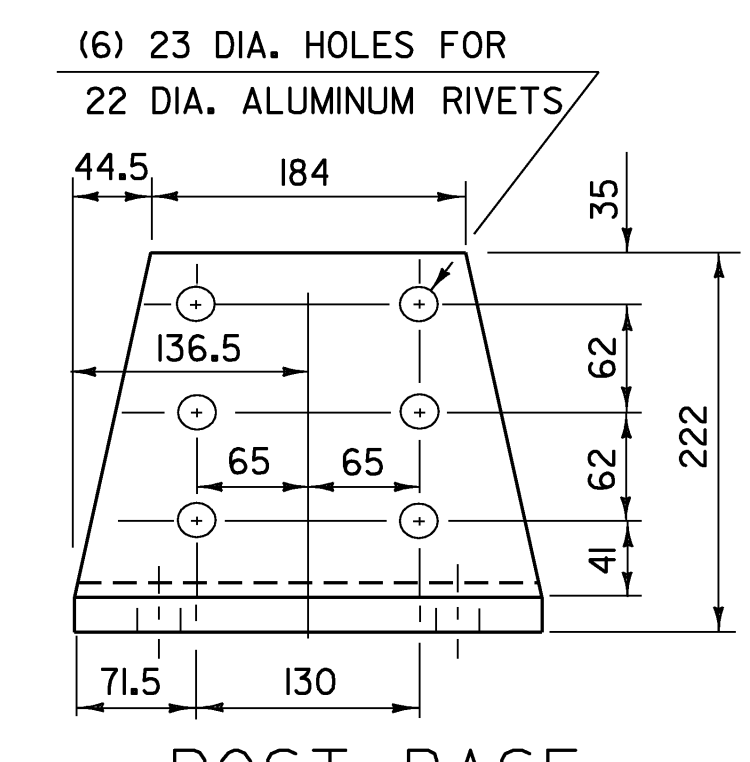
ELEVATION OF STD. BARRIER RAIL SPLICE BAR (FROM BACK)
NTS



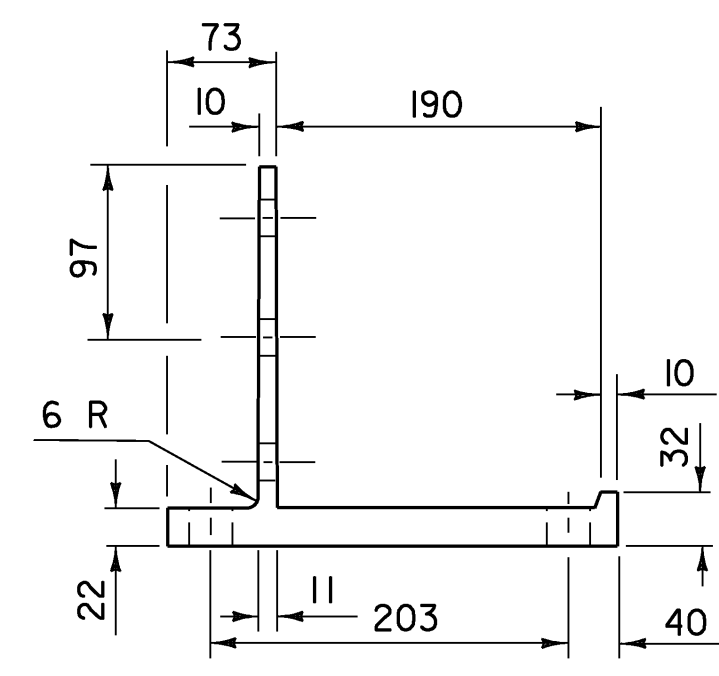
HAND RAIL END CAP
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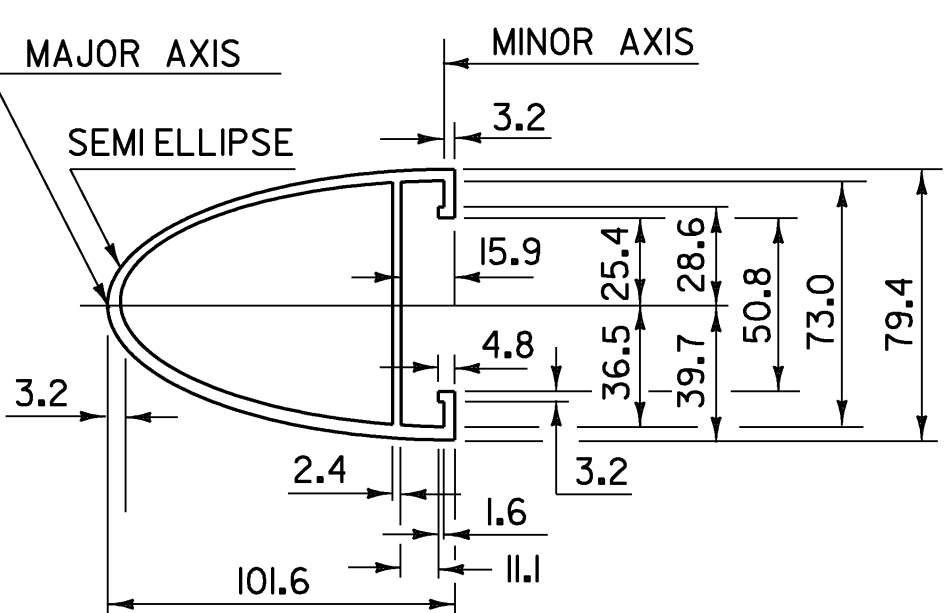
BARRIER RAIL END CAP
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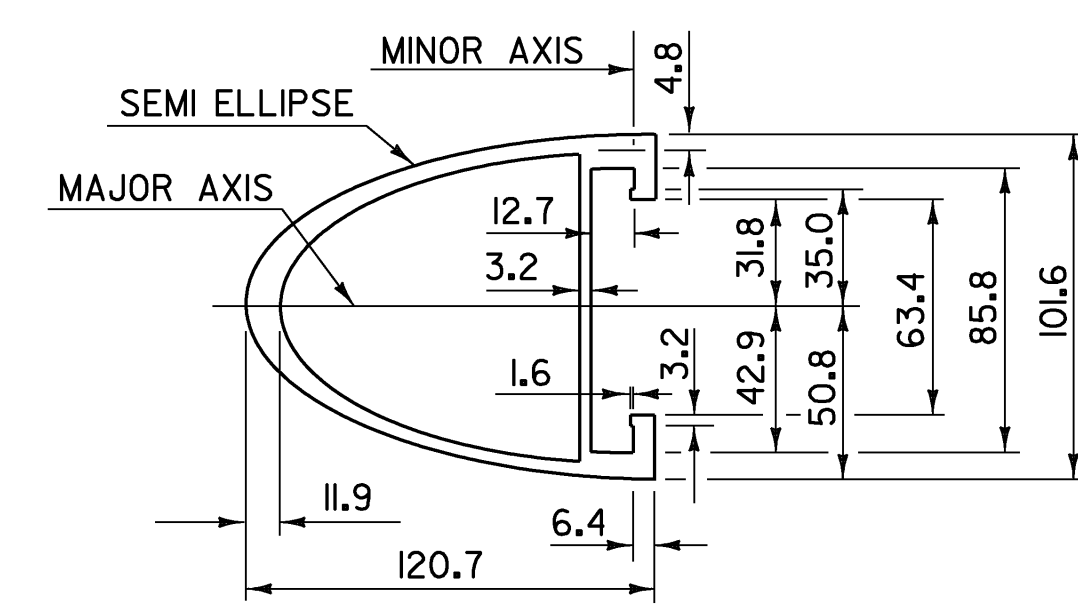
POST BASE FRONT ELEVATION
NTS



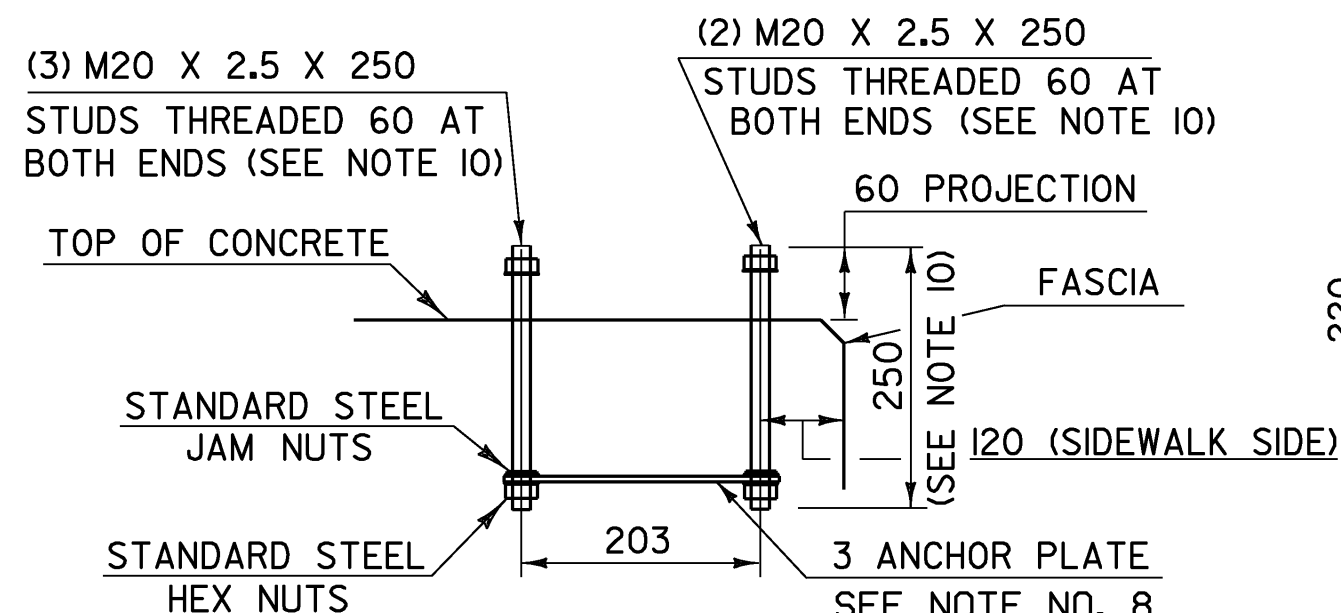
POST BASE SECTION
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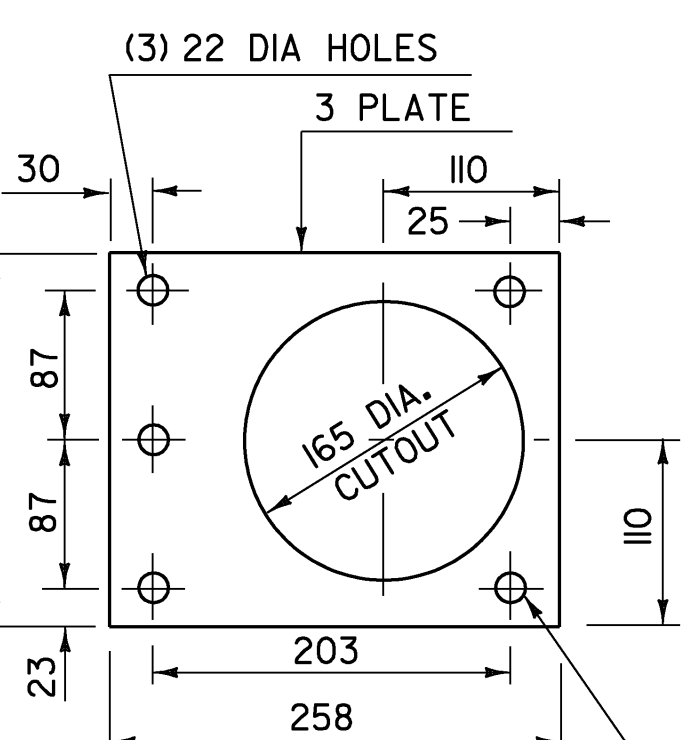
HAND RAIL SECTION
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BARRIER RAIL SECTION
(SEE SHEET 27 FOR ELEVATION OF BARRIER RAIL)
NTS



POST ANCHOR ASSEMBLY
NTS



ANCHOR PLATE
NTS
NTS

ALUMINUM RAILING DETAILS (SHEET 2)

PROJECT NAME:	BRATTLEBORO	PLOT DATE:	29-APR-2009
PROJECT NUMBER:	BRF 2000 (2)S	DRAWN BY:	C.MOONEY
FILE NAME:	96j228\str\s96j228r.dld02.	DESIGNED BY:	D. PETERSON
		CHECKED BY:	C. CARLSON
			SHEET 26 OF 77