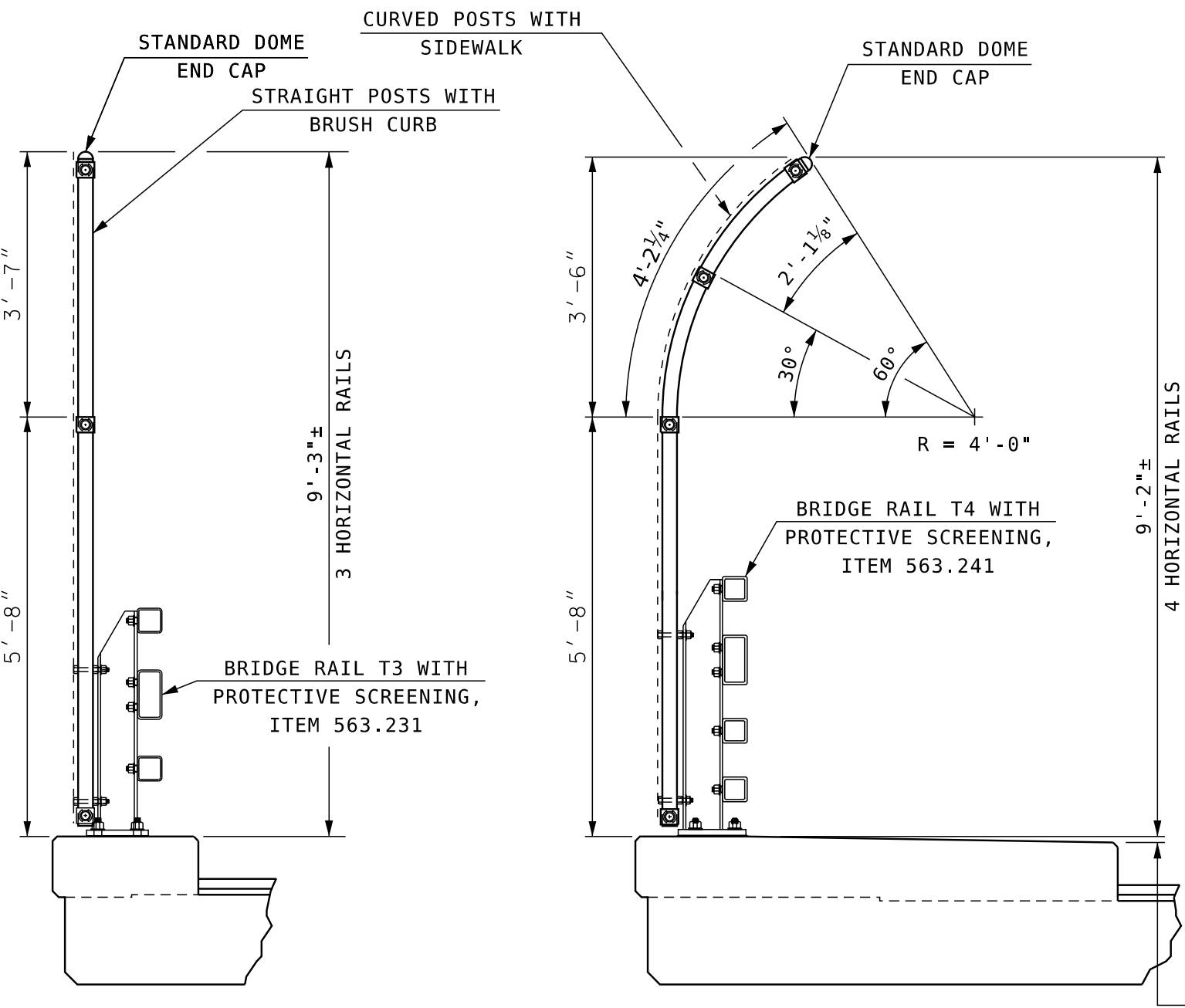




Accessibility Notice

This is a pdf that of NHDOT Bureau of Bridge Design steel bridge railing protective screen detail drawings. Due to the nature and format of the content, full ADA compliance may not be feasible. If you require an accommodation to access this information, please contact Bureau of Bridge Design at 603-271-2731 or Bureau18@dot.nh.gov .

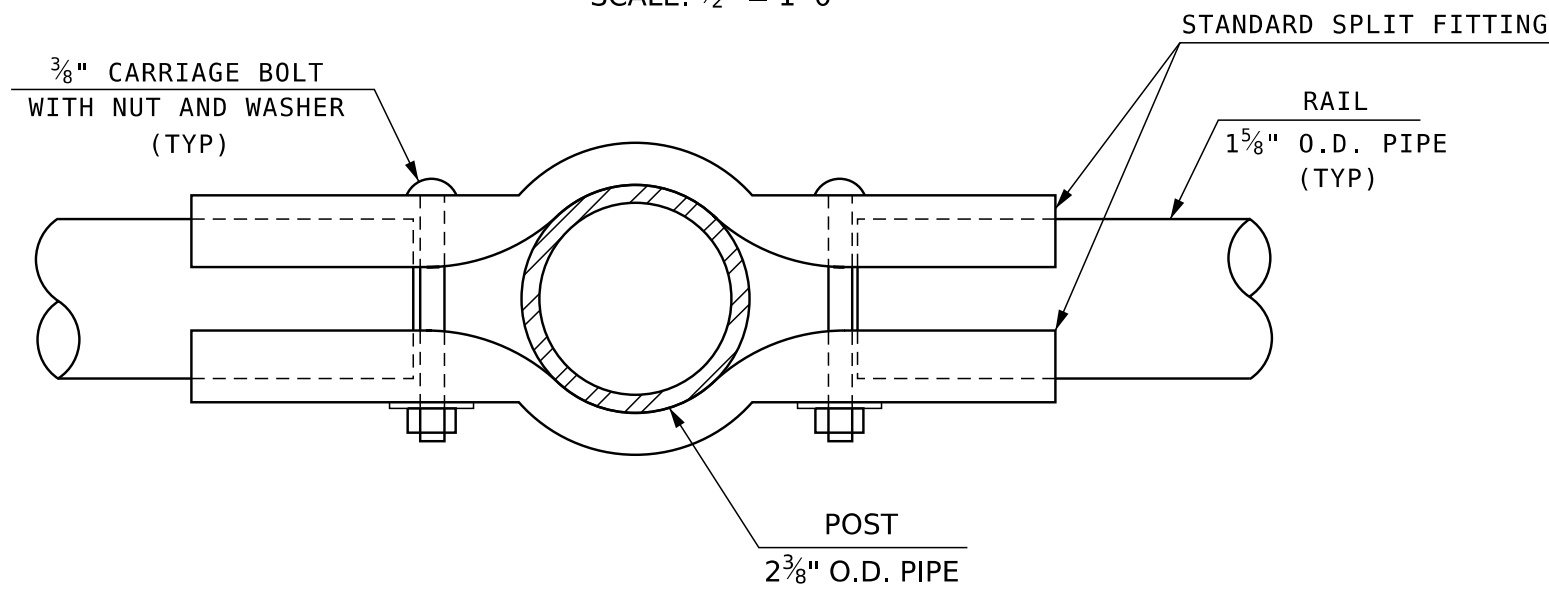


STRAIGHT SCREEN
WITH BRUSH CURB

CURVED SCREEN
WITH SIDEWALK

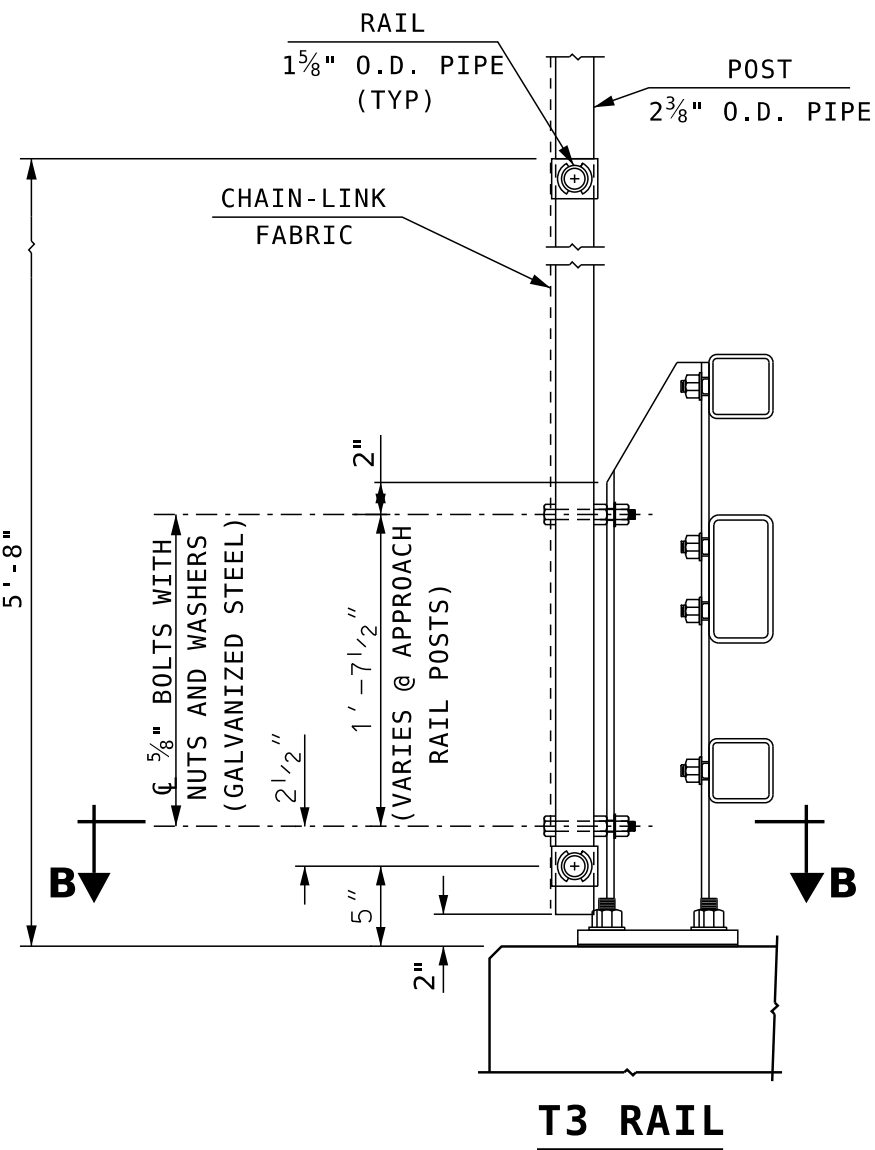
SECTION A-A

SCALE: ½" = 1'-0"

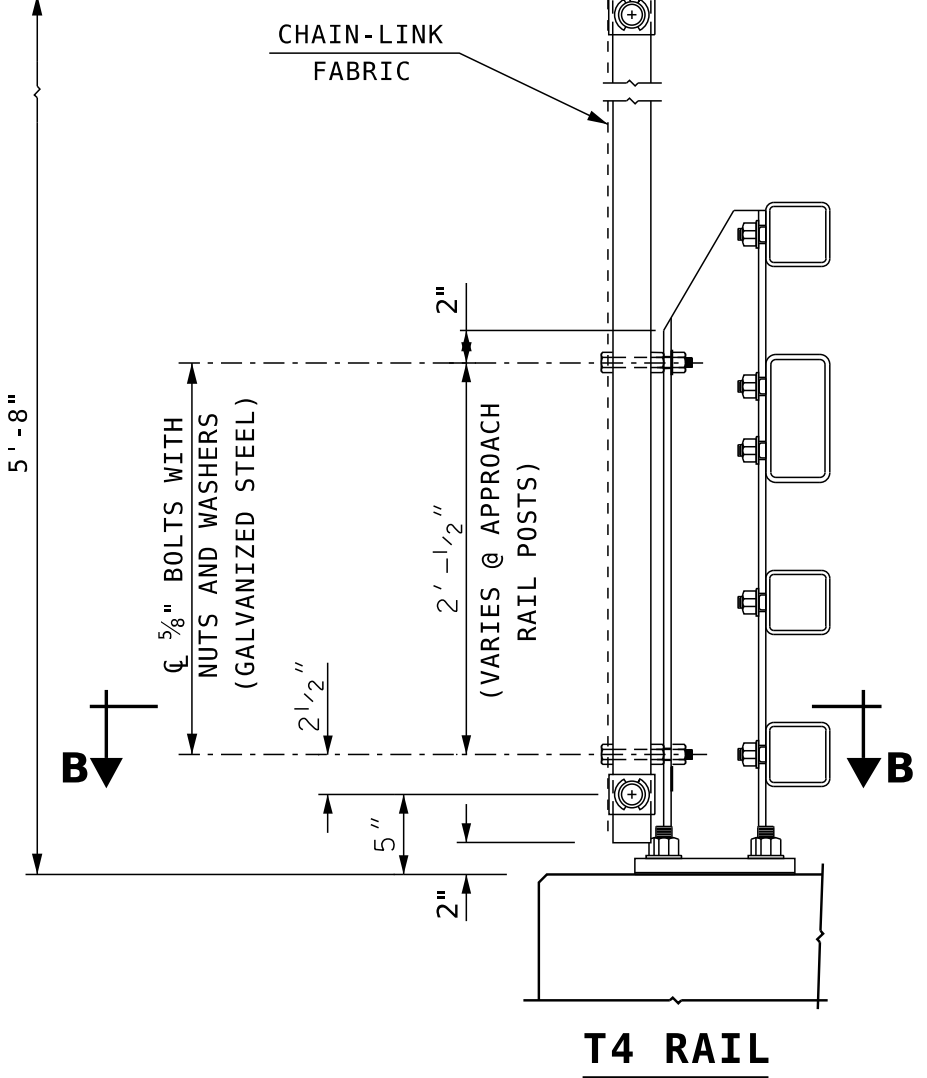


IN-LINE CLAMP DETAIL

SCALE: 6" = 1'-0"



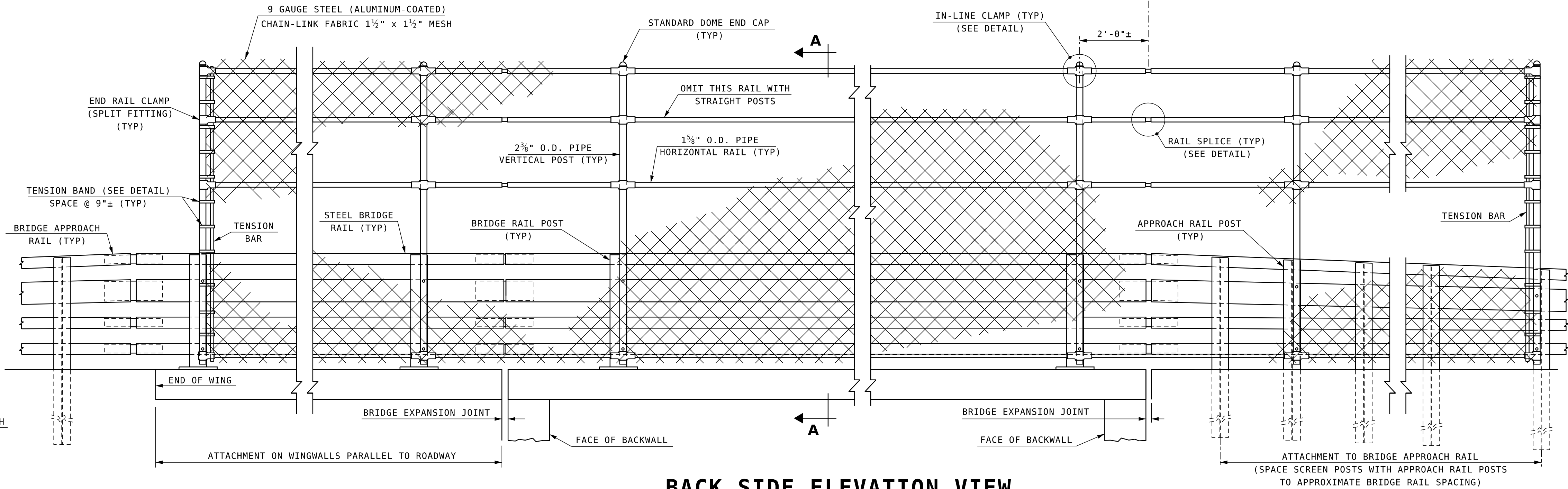
T3 RAIL



T4 RAIL

POST CONNECTION DETAILS

SCALE: 1" = 1'-0"



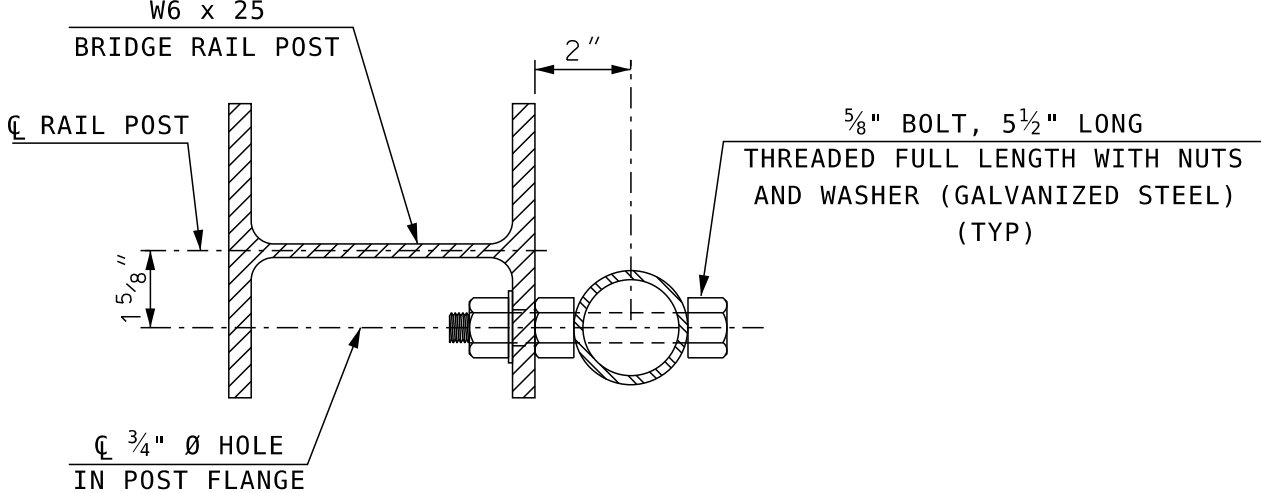
BACK SIDE ELEVATION VIEW

SCALE: ½" = 1'-0"

NO MODIFICATIONS SHALL
BE MADE TO THIS SHEET

GENERAL NOTES

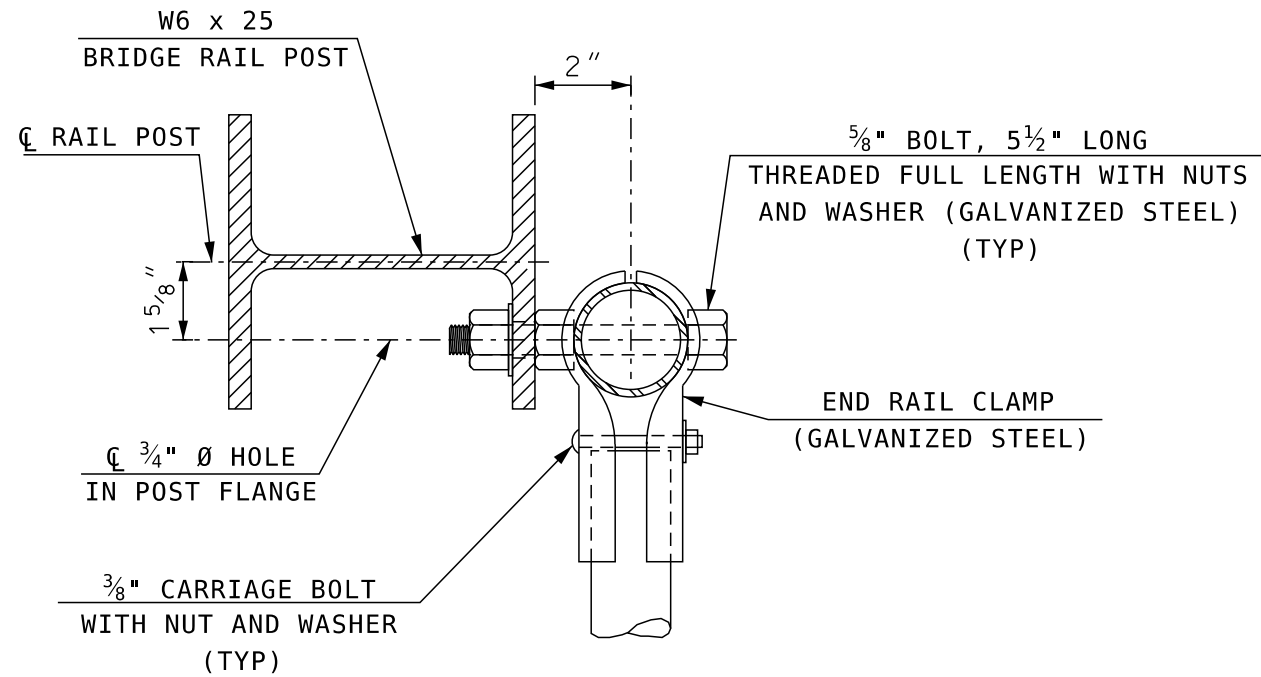
- CHAIN-LINK FABRIC SHALL BE 9 GAUGE STEEL, ALUMINUM-COATED CONFORMING TO ASHTO M 181, TYPE II (ASTM A 491). CHAIN-LINK FABRIC SHALL BE KNUCKLED ON TOP AND BOTTOM. THE SIZE OF WIRE MESH (FABRIC) SHALL BE 1½".
- HOOK-TYPE TIES SHALL BE STANDARD ROUND 9 GAUGE ALUMINUM-COATED STEEL OR 6 GAUGE ALUMINUM ALLOY CONFORMING TO ASTM F626. HOOK-TYPE TIES SHALL BE WRAPPED AROUND CHAIN-LINK FABRIC TWICE (DOUBLE PIGTAILED) AT BOTH ENDS. AN APPROVED ALTERNATIVE: POWER FASTENED PREFORMED TYPE TIES SHALL BE 9 GAUGE PREFORMED GALVANIZED STEEL ROUND WIRE CONFORMING TO ASTM F567-14 8.4. SPACE TIES @ 6" O.C. TO BOTTOM RAIL AND @ 12" O.C. TO ALL POSTS AND OTHER RAILS.
- POSTS AND RAIL PIPES SHALL BE HOT-DIP GALVANIZED STEEL CONFORMING TO AASHTO M 181, GRADE 1 (ASTM F 1083). ALL PIPES SHALL BE SCHEDULE 40, STANDARD WEIGHT.
- TENSION BARS, BAR BANDS, IN-LINE CLAMPS AND END RAIL CLAMPS SHALL BE STEEL. STEEL COMPONENTS SHALL BE HOT-DIP GALVANIZED IN ACCORDANCE WITH AASHTO M 111 (ASTM A 123) OR AASHTO M 232 (ASTM A 153) AS APPLICABLE. ALL BAR BANDS SHALL HAVE A BEVELED EDGE.
- ALL BOLTS AND NUTS SHALL BE STEEL CONFORMING TO ASTM A 307 AND ASTM A 563 GRADE A RESPECTIVELY. WASHERS SHALL BE HARDENED STEEL COMMERCIAL TYPE A PLAIN AND SHALL MEET THE DIMENSIONAL REQUIREMENTS OF ANSI B18.22. ALL BOLTS, NUTS AND WASHERS SHALL BE HOT-DIP GALVANIZED IN ACCORDANCE WITH AASHTO M 111 (ASTM A 123) OR AASHTO M 232 (ASTM A 153) AS APPLICABLE.
- RAIL SPLICES SHALL BE PROVIDED AT BRIDGE DECK EXPANSION JOINT(S) AND BRIDGE RAIL SPLICES AS DIRECTED BY THE CONTRACT ADMINISTRATOR.
- RAIL MAY BE FIELD CUT (SAWN) TO FIT POST SPACING. GALVANIZED RAIL, CUT OR DRILLED AS ALLOWED, SHALL BE TOUCHED-UP IN ACCORDANCE WITH 563.3.2.2.3.
- ALL COSTS FOR CHAIN-LINK FABRIC, POSTS, RAILS AND APPURTENANCES SHALL BE INCLUDED IN ITEM 563.231 OR ITEM 563.241, BRIDGE RAIL T3 OR T4 WITH PROTECTIVE SCREENING, OR ITEM 563.94, PROTECTIVE SCREENING FOR OVERPASS STRUCTURES, AS APPLICABLE.
- SEE BRIDGE RAIL SHEET FOR ADDITIONAL DETAILS.



SECTION A-A

(AT INTERIOR POST)

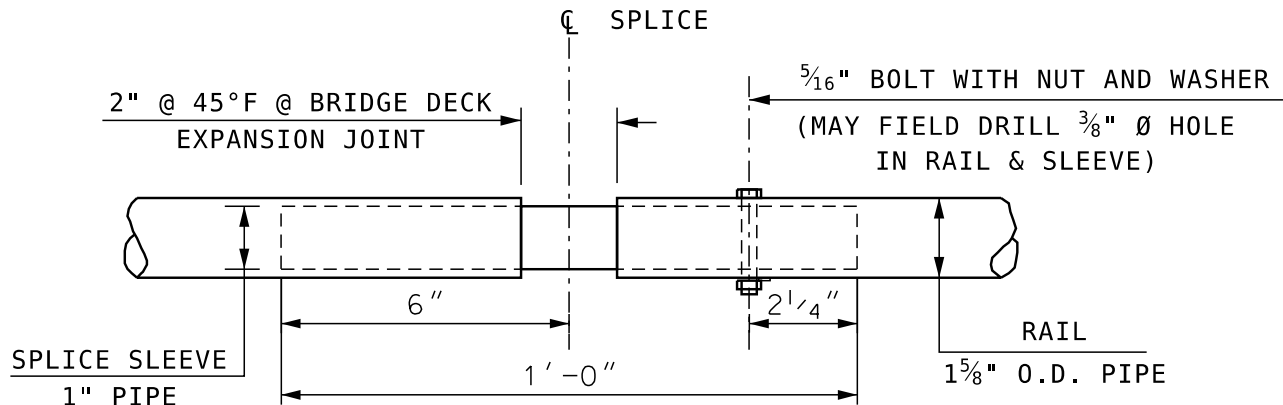
SCALE: 3" = 1'-0"



SECTION A-A

(AT END POST)

SCALE: 3" = 1'-0"



RAIL SPLICE DETAIL

SCALE: 3" = 1'-0"

SUBDIRECTORY	.DGN LOCATOR	SHEET SCALE
BR-RAIL-ST	BR-PROSCREEN	clipped rail AS NOTED

STATE OF NEW HAMPSHIRE										
DEPARTMENT OF TRANSPORTATION * BUREAU OF BRIDGE DESIGN										
TOWN			BRIDGE NO.				STATE PROJECT			
LOCATION										
PROTECTIVE SCREEN W/ STEEL BRIDGE RAIL								BRIDGE SHEET		
REVISIONS AFTER PROPOSAL			BY		DATE		BY		DATE	
			DESIGNED		NHDOT 8/10		CHECKED		NHDOT 8/10	
			DRAWN		PJP 8/10		CHECKED		MGL 8/10	
			QUANTITIES				CHECKED			
			ISSUE DATE		11/98		FEDERAL PROJECT NO.		SHEET NO.	
			REV. DATE		6/22/26				TOTAL SHEETS	