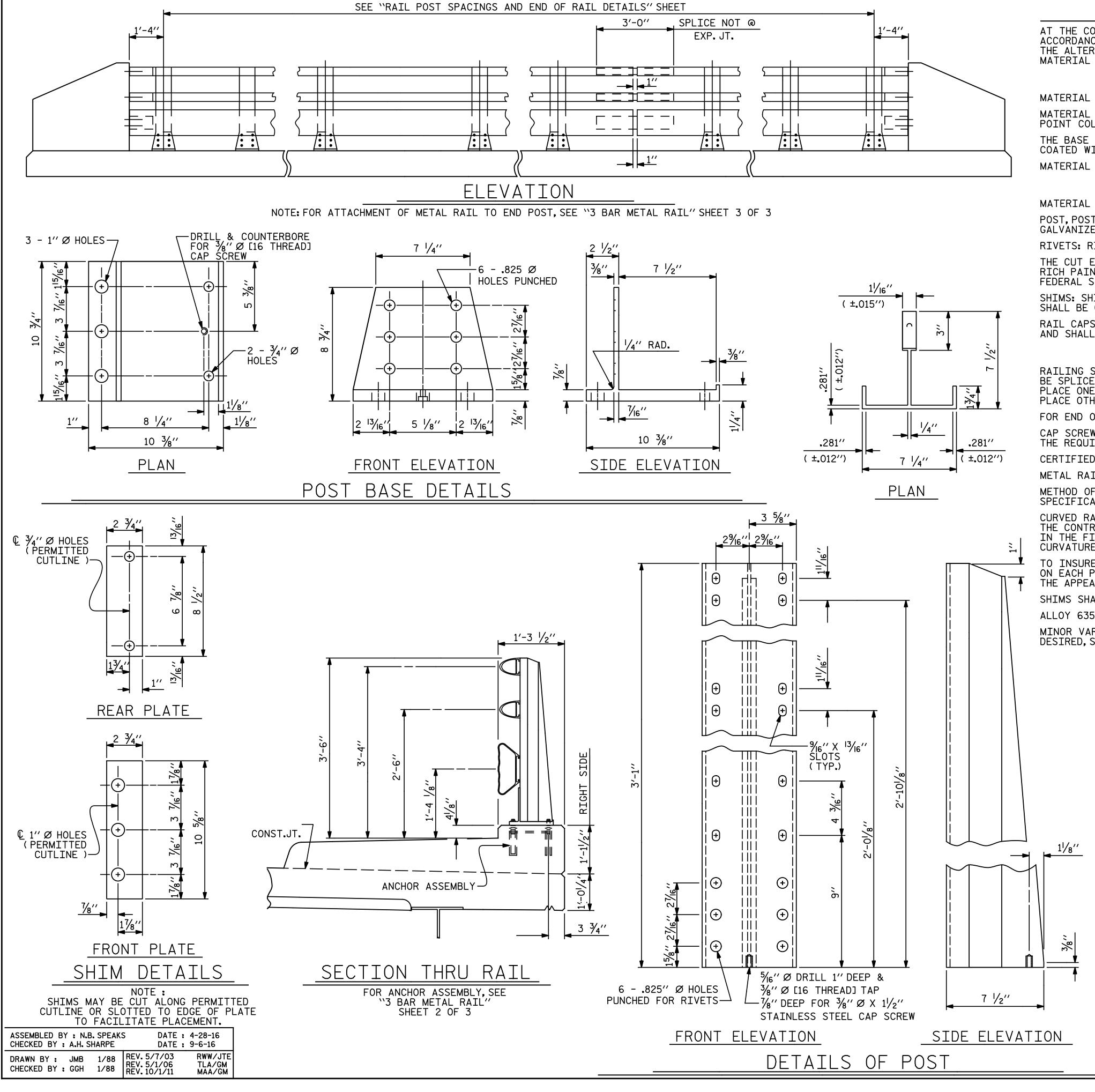
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AT THE CONTRACTOR'S OPTION, ACCORDANCE WITH THE REQUIRE THE ALTERNATE MATERIALS; HOW MATERIAL ON ALL STRUCTURES

MATERIAL FOR POSTS, BASES AN MATERIAL FOR RIVETS SHALL B POINT COLD DRIVEN AS PER DR THE BASE OF RAIL POSTS, OR AI COATED WITH AN ALUMINUM IMP MATERIAL FOR SHIMS TO BE AS

MATERIAL AND GALVANIZING AR POST, POST BASES, RAILS, EXPAN GALVANIZED TO AASHTO M111. RIVETS: RIVETS SHALL MEET T THE CUT ENDS OF GALVANIZED RICH PAINT MEETING THE REQU FEDERAL SPECIFICATIONS TT-P SHIMS: SHIMS SHALL MEET THE SHALL BE GALVANIZED IN ACCO RAIL CAPS: RAIL CAPS SHALL N AND SHALL BE GALVANIZED IN

RAILING SHALL BE CONTINUOUS BE SPLICED AS DETAILED. PANE PLACE ONE JOINT SPLICE JUST PLACE OTHER JOINTS AS NEEDED FOR END OF RAIL TO CLEAR FAI CAP SCREWS SHALL BE ASTM F5 THE REQUIREMENTS OF ASTM F8 CERTIFIED MILL REPORTS ARE METAL RAIL POSTS SHALL BE SE METHOD OF MEASUREMENT FOR M SPECIFICATIONS.

CURVED RAIL USAGE: WHERE RAI THE CONTRACTOR MAY. AT HIS (IN THE FIELD. IN EITHER EVEN CURVATURE IN A UNIFORM MANN TO INSURE FUTURE IDENTIFICA ON EACH POST. THE METHOD OF THE APPEARANCE OF THE POST, SHIMS SHALL BE USED AS NECES ALLOY 6351-T5 MAY BE SUBSTI MINOR VARIATIONS IN DETAIL DESIRED, SHALL BE SUBMITTED

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

INTERNATIONAL

NOTES	
S; HOWEVER, THE CONTRACTOR WILL BE RE JRES ON THE PROJECT FOR WHICH METAL	D THE FOLLOWING SPECIFICATIONS FOR EQUIRED TO USE THE SAME RAIL L RAIL IS DESIGNATED.
ALUMINUM RAI	.LS
	AMP BARS SHALL BE ASTM B221 ALLOY 6061-T6. ETS SHALL BE STANDARD BUTTON HEAD AND CONE
M IMPREGNATED CAULKING COMPOUND OF	CONTACT WITH CONCRETE SHALL BE THOROUGHLY
BE ASTM B209 ALLOY 6061-T6.	
GALVANIZED STEEL	
111.	ASHTO M270 GRADE 36 STRUCTURAL STEEL -
ET THE REQUIREMENTS OF ASTM A502 F IZED STEEL RAILING,AFTER GRINDING S REQUIREMENTS OF FEDERAL SPECIFICA TT-P-641.	SMOOTH SHALL BE GIVEN TWO COATS OF ZINC
THE REQUIREMENTS OF ASTM A570 FOF ACCORDANCE WITH AASHTO M111.	R GRADE 33 OR A611 FOR GRADE C AND
) IN ACCORDANCE WITH AASHTO M111.	A570 FOR GRADE 33 OR A611 FOR GRADE C
PANEL LENGTHS OF RAIL SHALL BE ATT	-S F BRIDGE. EACH JOINT IN RAIL LENGTH SHALL TACHED TO A MINIMUM OF THREE POSTS. M EACH END, TYPICALLY 14' FROM THE END.
AR FACE OF CONCRETE END POST DIMENSION, SEE ``3 BAR METAL RAIL' SHEET 3 OF 3. IM F593 ALLOY 305 STAINLESS STEEL.WASHERS FOR RAIL ATTACHMENT SHALL MEET IM F844 EXCEPT THEY SHALL BE MADE FROM ALLOY 304 STAINLESS STEEL. ARE REQUIRED FOR RAILS AND POSTS. SHOP INSPECTION IS NOT REQUIRED.	
BE SET NORMAL TO CURB GRADE. FOR METAL RAILS: FOR LENGTH OF META	AL RAILS TO BE PAID FOR, SEE THE STANDARD
E RAILS ARE TO BE USED ON BRIDGES ON HORIZONTAL AND/OR VERTICAL CURVATURE HIS OPTION, HAVE THE REQUIRED CURVATURE IN THE RAIL FORMED IN THE SHOP OR EVENT, THE RAIL SHALL CONFORM WITHOUT BUCKLING OR KINKING TO THE REQUIRED MANNER ACCEPTABLE TO THE ENGINEER.	
IFICATION OF THE FABRICATOR, A PERMANENT IDENTIFYING MARK SHALL BE PLACED O OF MARKING AND LOCATION SHALL BE SUCH THAT IT DOES NOT DETRACT FROM POST, BUT REMAIN VISIBLE AFTER RAIL PLACEMENT. NECESSARY FOR POST ALIGNMENT.	
BSTITUTED FOR ALLOY 6061-T6 WHERE	APPLICABLE. DERED.DETAILS OF SUCH VARIATIONS,IF
PAY LENGTH = 197	7.1 LIN.FT.
1.786'' ±.005'')	
	PROJECT NO. U-3330
.811''	NASH COUNTY
.806''	
RIVET DETAIL	
	SHEET 1 OF 3
STADE CAROL	STATE OF NORTH CAROLINA
SEAL	DEPARTMENT OF TRANSPORTATION RALEIGH
SEAL 042399	STANDARD
MGINEET BUILT	
DocuSigned by:	3 BAR METAL RAIL
Bradley J. Bell C41A3F8ECA3C434	
1/27/2017	RIGHT LANES REVISIONS SHEET NO.
Michael Baker Engineering 8000 Regency Parkway, Suite 600	NO. BY: DATE: NO. BY: DATE: S2-18
Cary, North Carolina 27518 NC License No. : F-1084	1 TOTAL SHEETS

STD. NO. BMR5

total sheets 39