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AT THE CONTRACTOR'S OPTION, METAL RA WITH THE REQUIREMENTS OF THE GENERA MATERIALS; HOWEVER, THE CONTRACTOR W ON THE PROJECT FOR WHICH METAL RAIL

UNLESS OTHERWISE REQUIRED IN THE CO ALTERNATE TO THE 2 BAR METAL RAIL. LRFD BRIDGE DESIGN SPECIFICATIONS A (APL) UNDER ``2 BAR METAL RAIL ALTERN

MATERIAL FOR POSTS, BASES AND RAILS, MATERIAL FOR RIVETS SHALL BE ASTM B POINT COLD DRIVEN AS PER DRAWING. THE BASE OF RAIL POSTS, OR ANY OTHER COATED WITH AN ALUMINUM IMPREGNATE MATERIAL FOR SHIMS TO BE ASTM B209 GA

_____ MATERIAL AND GALVANIZING ARE TO COM POST, POST BASES, RAILS, EXPANSION BAF GALVANIZED TO AASHTO M111.

RIVETS: RIVETS SHALL MEET THE REQUI THE CUT ENDS OF GALVANIZED STEEL RA RICH PAINT MEETING THE REQUIREMENTS SPECIFICATIONS TT-P-641.

SHIMS: SHIMS SHALL MEET THE REQUIREN BE GALVANIZED IN ACCORDANCE WITH AA RAIL CAPS: RAIL CAPS SHALL MEET THE AND SHALL BE GALVANIZED IN ACCORDAN

RAILING SHALL BE CONTINUOUS FROM EN BE SPLICED AS DETAILED. PANEL LENGTH FOR END OF RAIL TO CLEAR FACE OF COM CAP SCREWS SHALL BE ASTM F593 ALLOY ASTM F844 EXCEPT THEY SHALL BE MADE CERTIFIED MILL REPORTS ARE REQUIRED METAL RAIL POSTS SHALL BE SET NORMA METHOD OF MEASUREMENT FOR METAL RAI SPECIFICATIONS.

CURVED RAIL USAGE: WHERE RAILS ARE THE CONTRACTOR MAY, AT HIS OPTION, HA IN THE FIELD. IN EITHER EVENT, THE RACURVATURE IN A UNIFORM MANNER ACCEP TO INSURE FUTURE IDENTIFICATION OF ON EACH POST. THE METHOD OF MARKING APPEARANCE OF THE POST, BUT REMAINS SHIMS SHALL BE USED AS NECESSARY FOR ALLOY 6351-T5 MAY BE SUBSTITUTED FOR MINOR VARIATIONS IN DETAILS OF META DESIRED, SHALL BE SUBMITTED FOR APPR GROOVED CONTRACTION JOINTS, 1/2" IN DE AND IN ACCORDANCE WITH ARTICLE 825-BE LOCATED AT EACH THIRD POINT BETW

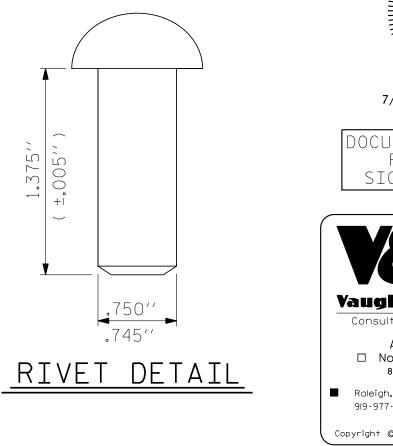
REQUIRED AT MIDPOINT OF PARAPET SEC ARE REQUIRED FOR THOSE SEGMENTS LES

1.375 :005'

.750′′

.745′′

PAY LENG



NOTES

AIL MAY BE EITHER ALUMINUM AL NOTES AND THE FOLLOWING ILL BE REQUIRED TO USE THE IS DESIGNATED.	SPECIFIC	ATIONS FOR TH	IE ALTERNATE	
NTRACT DOCUMENTS, THE CONT THE ALTERNATE RAIL SHALL M AND MUST BE LISTED ON THE NATE''. ADJUSTMENTS TO THE C ALUMINUM RAILS	EET THE F DEPARTMEN	REQUIREMENTS (NT'S APPROVED	OF THE AASHT Products LIS	ST
EXPANSION BARS AND CLAMP 3316 Alloy 6061-T6. RIVETS				
ALUMINUM SURFACE IN CONT D CAULKING COMPOUND OF AP Alloy 6061-T6.			LL BE THOROU	GHLY
ALVANIZED STEEL RA		ONS.		
RS AND CLAMP BARS: AASHTO			IRAL STEEL -	
REMENTS OF ASTM A502 FOR (ILING,AFTER GRINDING SMOO S OF FEDERAL SPECIFICATION	TH SHALL	BE GIVEN TWO		
MENTS OF ASTM A570 FOR GR Ashto M111.	ADE 33 OF	A611 FOR GRAE)e c and shai	_L
REQUIREMENTS OF ASTM A570 NCE WITH AASHTO M111.) FOR GRA	DE 33 OR A611	for grade c	
GENERAL NOTES ND POST TO END POST OF BRI HS OF RAIL SHALL BE ATTACH				4 L L
NCRETE END POST DIMENSION 7 305 stainless steel.Washf 2 From Alloy 304 stainless	ERS SHALL			-
) FOR RAILS AND POSTS. SHOP al to curb grade.		ION IS NOT RE	QUIRED.	
ILS: FOR LENGTH OF METAL RA	AILS TO E	E PAID FOR, SE	E THE STANDA	ARD
TO BE USED ON BRIDGES ON H AVE THE REQUIRED CURVATURE AIL SHALL CONFORM WITHOUT PTABLE TO THE ENGINEER.	E IN THE	RAIL FORMED I	N THE SHOP C	R
THE FABRICATOR, A PERMANEN AND LOCATION SHALL BE SUC VISIBLE AFTER RAIL PLACEM	CH THAT I			
R POST ALIGNMENT. R Alloy 6061-T6 Where APPL Al RAIL WILL BE CONSIDERED Roval.		s of such var	IATIONS, IF	
EPTH, SHALL BE TOOLED IN AL 10(B) OF THE STANDARD SPECI VEEN PARAPET EXPANSION JOI	FICATION	S.A CONTRACTI ONE CONTRACT	ON JOINT SHA Ion joint is	$\hat{\mathbf{D}}$
$FH = \frac{733.67 \text{ LIN. FT.}}{733.67 \text{ LIN. FT.}}$				
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7/17/2018 9:13:46 AM EDT	SHEET 1	OF 2		
UMENT NOT CONSIDERED FINAL UNLESS ALL IGNATURES COMPLETED	DEPA	RTMENT OF T	RANSPORTA	TION
□ Boone, NC 828·355·9933 □ Tri-Cities, TN 423·467·840		STAN		-
Image: Second system Knoxville, TN 865·546·5800 Sportanburg, SC Initial system Sportanburg, SC 864·574·4775 State	2	BAR ME	ial ka	
Asheville, Charleston, SC North Carolina 843.974.5650 828.253.2796 Middlesboro, KY gh, NC Charlotte, NC 606.248.6600		REVISIONS		SHEET NO.
gh, NC Charlotte, NC 606-248-6600 77-9455 704-357-0488 Atlanta, GA 770-627-3590 t © 2006 Vaughn & Melton, Inc. All Rights Reserved	NO. BY: 1	DATE: NO. B	Y: DATE:	S-28 TOTAL SHEETS
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STD. NO. BMR3