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NOTES						
RAIL MAY BE EITHER ALUMINUM OR GALVANIZED STEEL IN OF THE GENERAL NOTES AND THE FOLLOWING SPECIFICATIONS FOR THE CONTRACTOR WILL BE REQUIRED TO USE THE SAME RAIL E PROJECT FOR WHICH METAL RAIL IS DESIGNATED.						
ALUMINUM RAILS						
LS, EXPANSION BARS AND CLAMP BARS SHALL BE ASTM B221 ALLOY 6061-T6. A B316 ALLOY 6061-T6.RIVETS SHALL BE STANDARD BUTTON HEAD AND CONE						
HER ALUMINUM SURFACE IN CONTACT WITH CONCRETE SHALL BE THOROUGHLY TED CAULKING COMPOUND OF APPROVED QUALITY. 09 ALLOY 6061-T6.						
GALVANIZED STEEL RAILS						
CONFORM TO THE FOLLOWING SPECIFICATIONS: BARS AND CLAMP BARS : AASHTO M270 GRADE 36 STRUCTURAL STEEL -						
UIREMENTS OF ASTM A502 FOR GRADE 1 RIVETS. RAILING, AFTER GRINDING SMOOTH SHALL BE GIVEN TWO COATS OF ZINC NTS OF FEDERAL SPECIFICATION MIL-P-26915 USAF TYPE 1, OR OF						
REMENTS OF ASTM A570 FOR GRADE 33 OR A611 FOR GRADE C AND WITH AASHTO M111.						
HE REQUIREMENTS OF ASTM A570 FOR GRADE 33 OR A611 FOR GRADE C DANCE WITH AASHTO M111.						
GENERAL NOTES END POST TO END POST OF BRIDGE. EACH JOINT IN RAIL LENGTH SHALL						
GTHS OF RAIL SHALL BE ATTACHED TO A MINIMUM OF THREE POSTS. ID THE 3RD RAIL POST FROM EACH END, TYPICALLY 14' FROM THE END.						
CONCRETE END POST DIMENSION, SEE STANDARD NO.BMR7. OY 305 STAINLESS STEEL.WASHERS FOR RAIL ATTACHMENT SHALL MEET						
CEPT THEY SHALL BE MADE FROM ALLOY 304 STAINLESS STEEL. Red for rails and posts. Shop inspection is not required.						
RMAL TO CURB GRADE.						
RAILS: FOR LENGTH OF METAL RAILS TO BE PAID FOR, SEE THE STANDARD						
E TO BE USED ON BRIDGES ON HORIZONTAL AND/OR VERTICAL CURVATURE ,HAVE THE REQUIRED CURVATURE IN THE RAIL FORMED IN THE SHOP OR RAIL SHALL CONFORM WITHOUT BUCKLING OR KINKING TO THE REQUIRED CEPTABLE TO THE ENGINEER.						
OF THE FABRICATOR, A PERMANENT IDENTIFYING MARK SHALL BE PLACED NG AND LOCATION SHALL BE SUCH THAT IT DOES NOT DETRACT FROM EMAIN VISIBLE AFTER RAIL PLACEMENT. FOR POST ALIGNMENT.						
FOR ALLOY 6061-T6 WHERE APPLICABLE.						
ETAL RAIL WILL BE CONSIDERED.DETAILS OF SUCH VARIATIONS,IF PROVAL.						
TH = 120.32 LIN.FT.						
DRILL & COUNTERBORE FOR ¾''Ø[16 THREAD] CAP SCREW						
HOLES CABARRUS COUNTY						
	on: 6	8-	+25	.60 -	L-	
11/8'' STATE OF NORTH CAROLINA						
DEPARTMENT OF TRANSPORTATION RALEIGH						
R. SMITHING	3 BAR METAL RAIL					
Docusigned by: Donald K. Smith, Jr EDC87706174B490 8/17/2016	(LEFT LANE)					
DOCUMENT NOT CONSTDERED NO. BY:	REVIS DATE:	NO.	S BY:	DATE:	SHEET NO. S1-18	
		R			TOTAL	

BY: DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED STR.#1

STD. NO. BMR5

TOTAL SHEETS 37