

NOTES

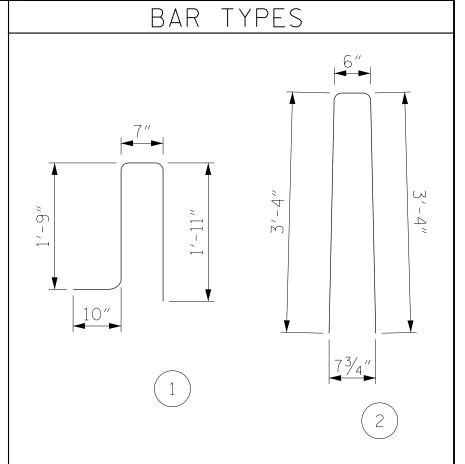
THE BARRIER RAIL IN EACH SPAN SHALL NOT BE CAST UNTIL ALL SLAB CONCRETE In that span has been cast and has reached a minimum compressive STRENGTH OF 3,000 PSI.

WHEN FOAM JOINT SEAL IS REQUIRED, THE JOINT IN THE DECK SHALL BE SAWED PRIOR TO THE CASTING OF VERTICAL CONCRETE BARRIER RAIL.

ALL REINFORCING STEEL IN BARRIER RAILS SHALL BE EPOXY COATED.

THE #5 S3 & S4 BARS SHALL BE INSTALLED, USING AN ADHESIVE ANCHORING SYSTEM, AFTER SAWING THE JOINT. THE YIELD LOAD FOR THE #5 S3 & S4 BARS IS 18.6 KIPS. FIELD TESTING FOR THE ADHESIVE BONDING SYSTEM IS NOT REQUIRED.

GROOVED CONTRACTION JOINTS, $\frac{1}{2}$ " IN DEPTH, SHALL BE TOOLED IN ALL EXPOSED FACES OF THE BARRIER RAIL AND IN ACCORDANCE WITH ARTICLE 825-10(B) OF THE STANDARD SPECIFICATIONS. THE CONTRACTION JOINT SHALL BE LOCATED AT EACH THIRD POINT BETWEEN BARRIER RAIL EXPANSION JOINTS. ONLY ONE CONTRACTION JOINT IS REQUIRED AT MIDPOINT OF BARRIER RAIL SEGMENTS LESS THAN 20 FEET IN LENGTH AND NO CONTRACTION JOINTS ARE REQUIRED FOR THOSE SEGMENTS LESS THAN 10 FEET IN LENGTH.



ALL BAR DIMENSIONS ARE OUT TO OUT

FOR VERTICAL CONCRETE BARRIER RAIL ON					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGH
* B1	120	#5	STR	29'-7''	3703
* B2	10	#5	STR	15'-5''	161
* B3	10	#5	STR	15′-11′′	166
* B4	10	#5	STR	14'-8''	153
* B5	10	#5	STR	14'-5''	150
* S1	415	#5	1	5′-1′′	2200
* S2	415	#5	2	7'-2''	3102
* S3	16	#5	STR	4'-0''	67
* S4	32	#5	STR	3'-6''	117

* EPOXY COATED	
REINFORCING STEEL	9819 LBS.
CLASS AA CONCRETE	50.2 CU. YDS.
VERTICAL CONCRETE	
BARRIER RAIL	422.9 LIN.FT.

R-2707C PROJECT NO.

> CLEVELAND COUNTY

29+07.16 -Y2-

SHEET 2 OF 2

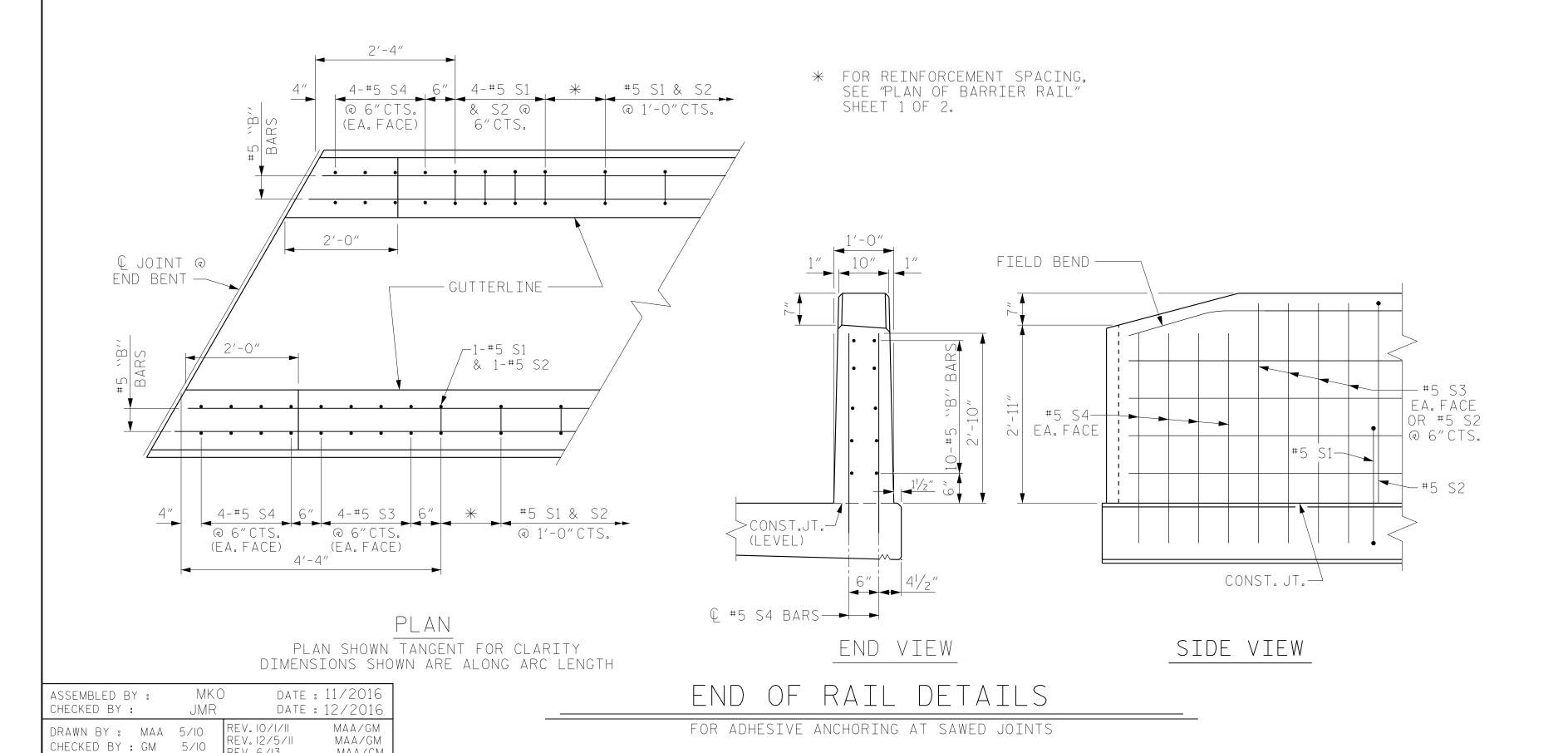


RALEIGH STANDARD

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

RS&H Architects-Engineers-Planners, Inc. SHEET NO REVISIONS 8601 Six Forks Road, Suite 260 Raleigh, NC 27615 S3-22 DATE: BY: DATE: NO. BY: 919-926-4100 FAX 919-846-9080 TOTAL SHEETS www.rsandh.com North Carolina License Nos. 50073 * F-0493 * C-28

BARRIER RAIL DETAILS



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

2/28/2017
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STD. NO. CBR2