ASSEMBLED BY : H.T. ROSEMOND

CHECKED BY: SJD 9/87 REV. 6/13 REV. 12/17

CHECKED BY: J.C. MORRISON

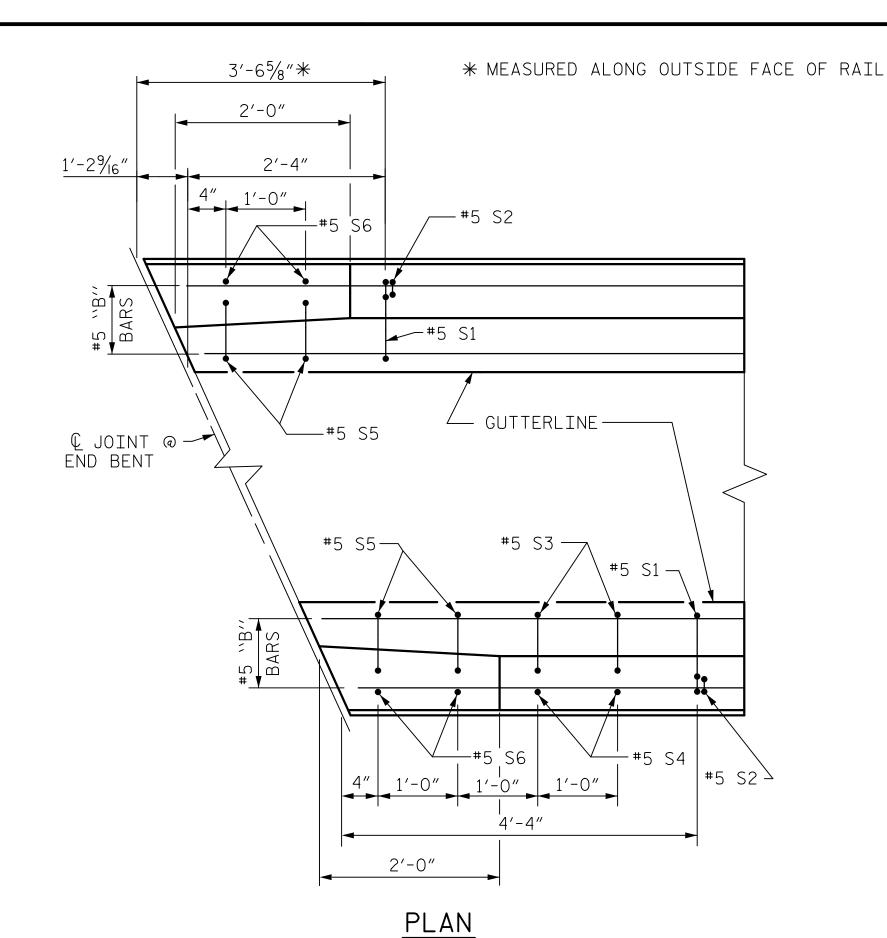
DRAWN BY: ARB 5/87

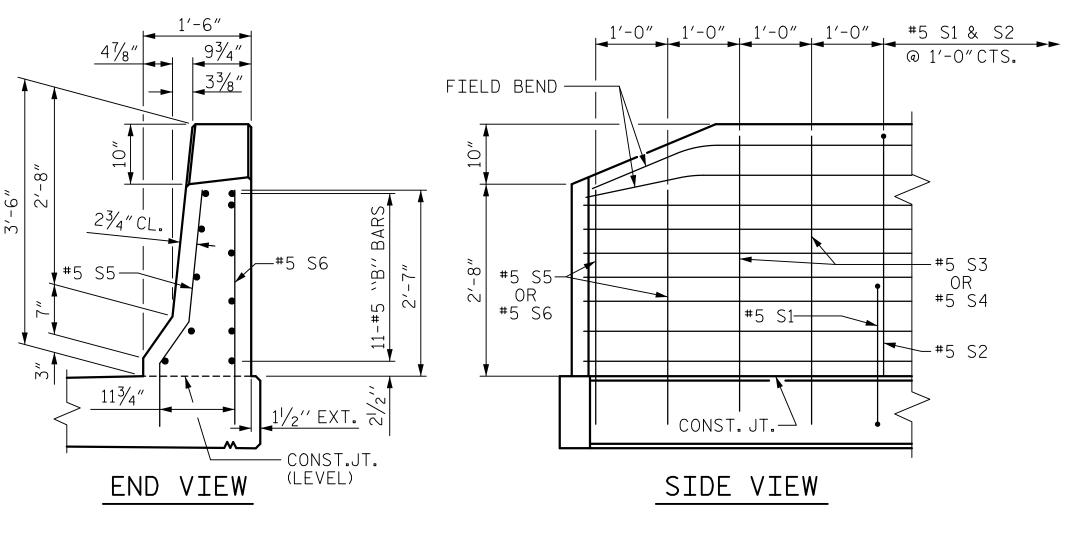
DATE: 06/2019

DATE: 06/2019

MAA/GN

MAA/GN MAA/THO





END OF RAIL DETAILS

FOR ADHESIVE ANCHORING AT SAWED JOINTS

NOTES

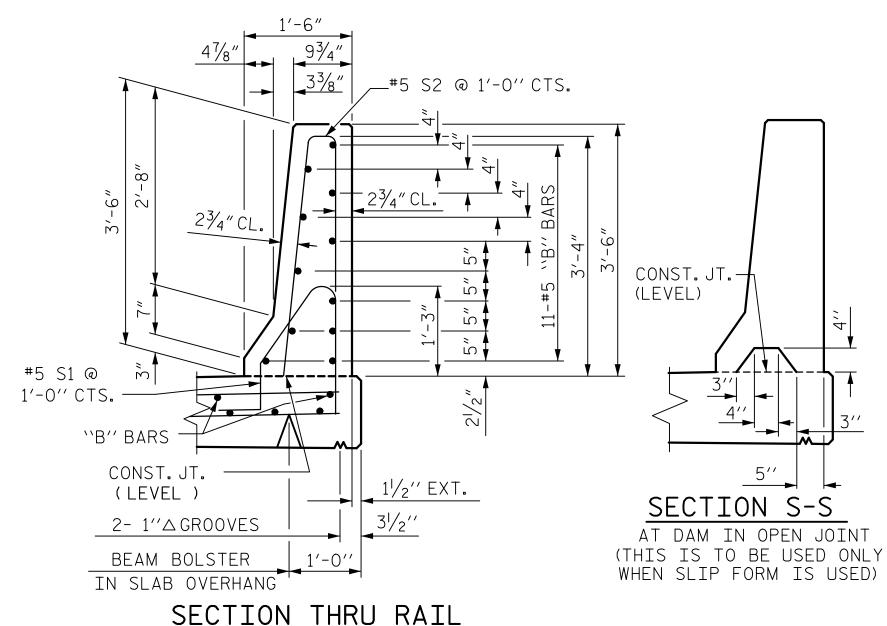
THE BARRIER RAIL IN EACH SPAN SHALL NOT BE CAST UNTIL ALL SLAB CONCRETE IN THAT SPAN HAS BEEN CAST AND HAS REACHED A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI.

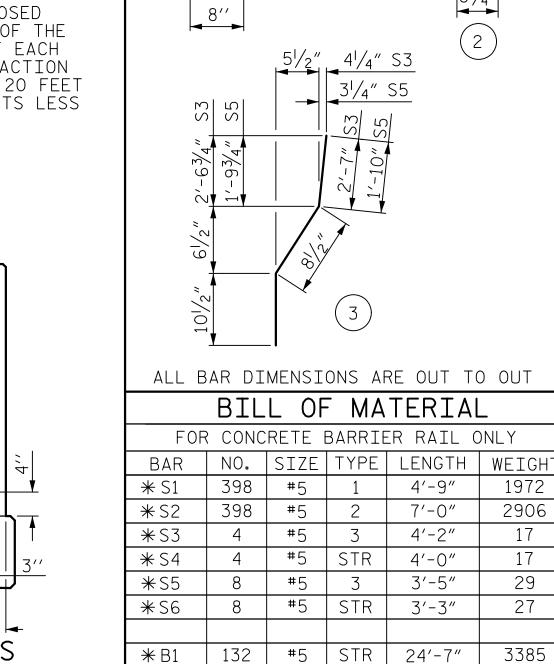
WHEN FOAM JOINT SEAL IS REQUIRED, THE JOINT IN THE DECK SHALL BE SAWED PRIOR TO THE CASTING OF BARRIER RAIL.

ALL REINFORCING STEEL IN BARRIER RAILS SHALL BE EPOXY COATED.

THE #5 S3, S4, S5 AND S6 BARS SHALL BE INSTALLED, USING AN ADHESIVE ANCHORING SYSTEM, AFTER SAWING THE JOINT. THE YIELD LOAD FOR THE #5 S3, S4, S5 AND S6 BARS IS 18.6 KIPS. FIELD TESTING FOR THE ADHESIVE BONDING SYSTEM IS NOT

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.





BAR TYPES

 $\left(2\right)$

1972

2906

29

27

3385

1377

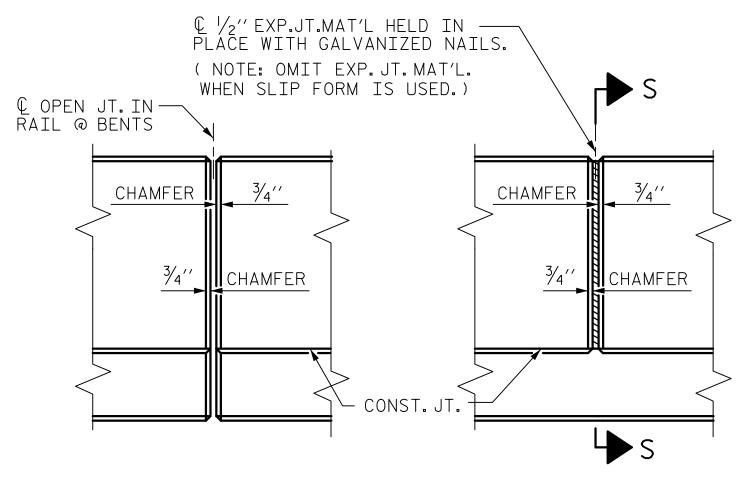
9,730 LBS

55.9 CU. YDS.

410.6 LIN.FT

3′-5″

1'-01/21



ELEVATION AT EXPANSION JOINTS BARRIER RAIL DETAILS

BR-0042 PROJECT NO. ROCKINGHAM COUNTY

*B2 88 #5 STR 15'-0"

★ EPOXY COATED

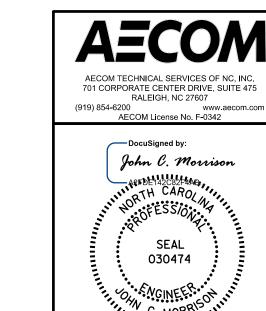
REINFORCING STEEL

CONCRETE BARRIER RAIL

CLASS AA CONCRETE

19+56.99 -L-STATION:

SHEET 2 OF 2



STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

STANDARD

CONCRETE BARRIER RAIL

REVISIONS					SHEET NO.
BY:	DATE:	NO.	BY:	DATE:	S-15
		3			TOTAL SHEETS
		4			28

SIGNATURES COMPLETED

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL