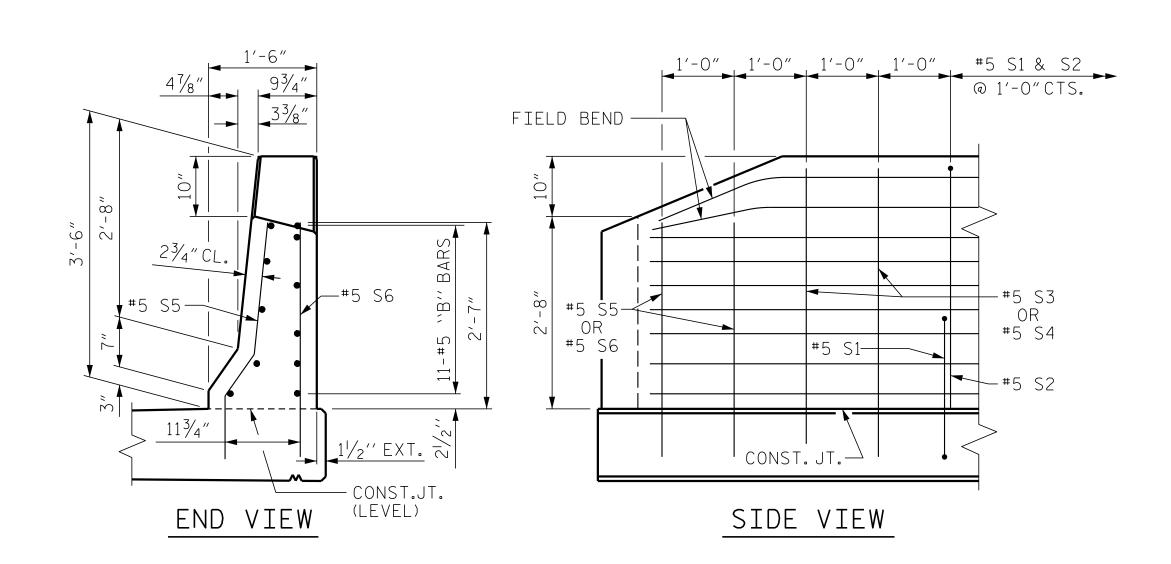
2'-0" 2'-4" 4" 1'-0" #5 S2 #5 S1 #5 S1

© JOINT @ #5 S5 #5 S1 #5 S1 #5 S1 #5 S1 #5 S2 #5 S2 PLAN



END OF RAIL DETAILS

FOR ADHESIVE ANCHORING AT SAWED JOINTS

ASSEMBLED BY: J. PENDERGRAFT DATE: 6-21
CHECKED BY: J. DILWORTH DATE: 6-21

DRAWN BY: ARB 5/87 REV. 7/12 MAA/GM
CHECKED BY: SJD 9/87 REV. 6/13 MAA/GM
MAA/THC

NOTES

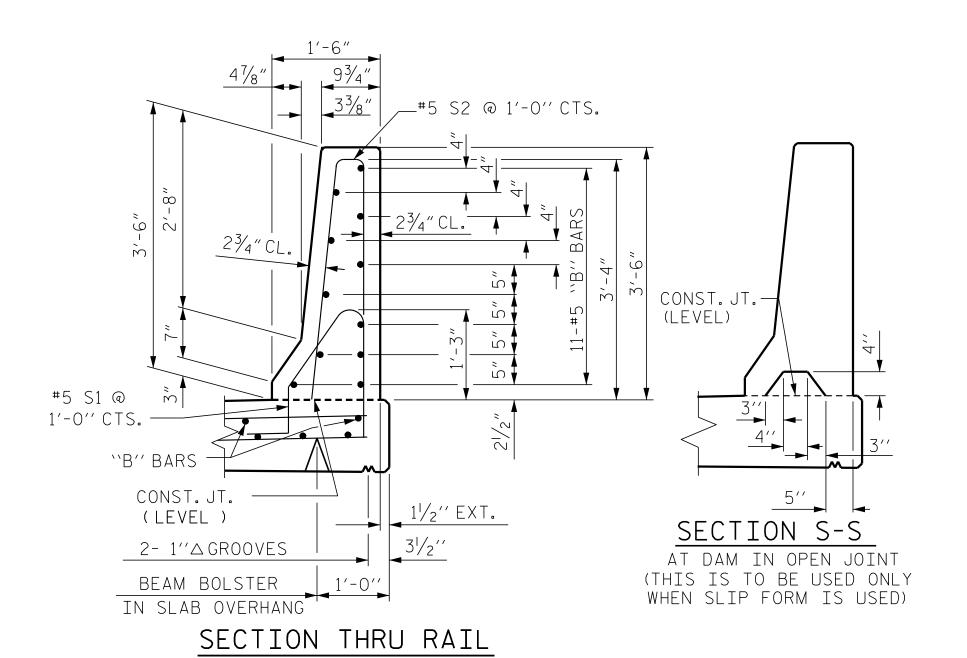
THE BARRIER RAIL IN EACH SPAN SHALL NOT BE CAST UNTIL ALL SLAB CONCRETE IN THAT SPAN HAS BEEN CAST AND HAS REACHED A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI.

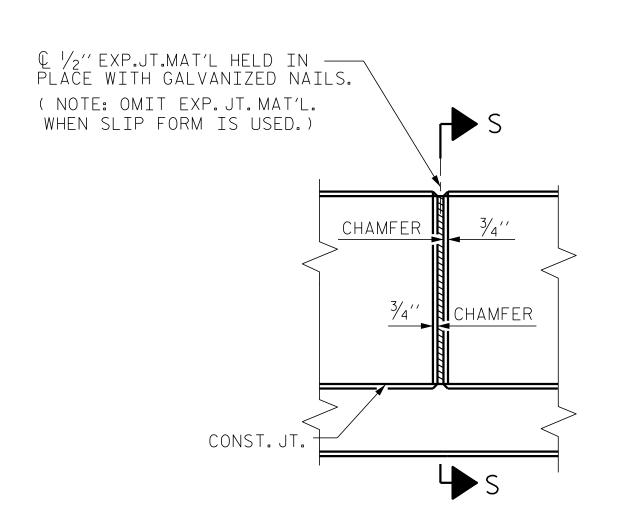
WHEN FOAM JOINT SEAL IS REQUIRED, THE JOINT IN THE DECK SHALL BE SAWED PRIOR TO THE CASTING OF BARRIER RAIL.

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 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.

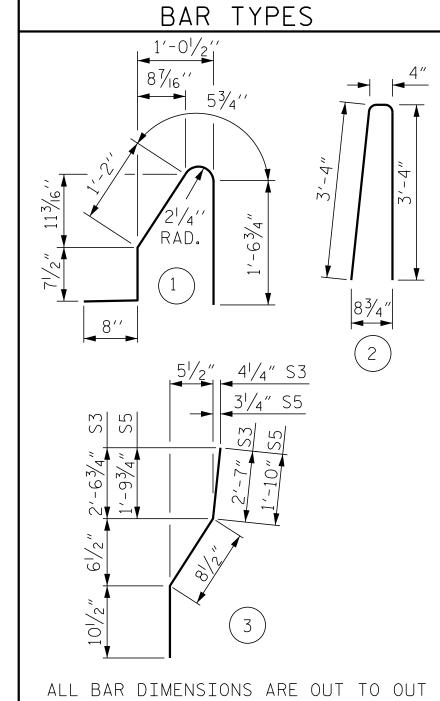




ELEVATION AT EXPANSION JOINTS

DADDTED DATE DETAILS

BARRIER RAIL DETAILS



RTII OF MATERIAL

BILL OF MATERIAL					
FOR CONCRETE BARRIER RAIL ONLY					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
★ B1	88	#5	STR	14'-3"	1308
* B2	176	#5	STR	26'-1"	4788
* S1	510	#5	1	4'-6"	2394
* S2	510	#5	2	7'-0"	3724
* S3	4	#5	3	4'-2"	17
* S4	4	#5	STR	4'-0"	17
* S5	8	#5	3	3′-5″	29
* S6	8	#5	STR	3′-3″	27
	I				I

* EPOXY COATED

REINFORCING STEEL 12,304 LBS.

CLASS AA CONCRETE 71.0 CU. YDS.

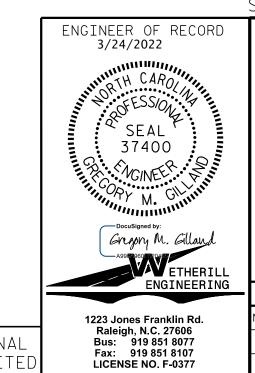
CONCRETE BARRIER RAIL 522.93 LIN. FT

PROJECT NO. I-5987A

ROBESON county

STATION: 30+04.11 -Y3-

SHEET 2 OF 2



DEPARTMENT OF TRANSPORTATION

RALEIGH

STANDARD

CONCRETE BARRIER RAIL

REVISIONS

BY: DATE: NO. BY: DATE: S3-16

3 TOTAL SHEETS
29

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETE