2'-0"

#5 "B" BARS

#5 ''B'' BARS

10"

APPROACH SLAB BLOCKOUT

FILL FACE
@ END BENT

4" 10" 1'-0"

- #5 S3

4" 10"

2'-0"

1/2" EXT. ¬

- CONST.JT. (LEVEL)

END VIEW

#5 S1 & S2 @ 1'-0"CTS.

GUTTERLINE —

#5 S1 & S2 @ 1'-0"CTS.

FIELD BEND !

∞ #5 S3

END OF RAIL DETAILS

2'-0"

10" 1'-0" #5 S1 & S2

SIDE VIEW

@ 1'-0"CTS.

#5 S2

CONST. JT.

/---#5 S2

___#5 S2

PLAN

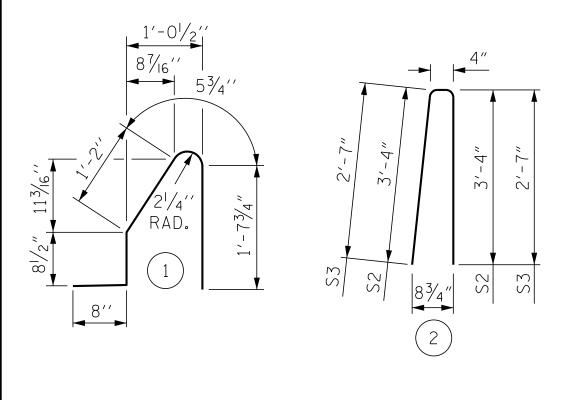
NOTES

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

ALL REINFORCING STEEL IN BARRIER RAILS SHALL BE EPOXY COATED.

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.

THE #5 S1 & S2 BARS MAY BE SHIFTED SLIGHTLY IN ORDER TO MAINTAIN A 2" MINIMUM CLEARANCE TO THE $\frac{1}{2}$ " EXPANSION JOINT MATERIAL IN THE BARRIER RAIL.

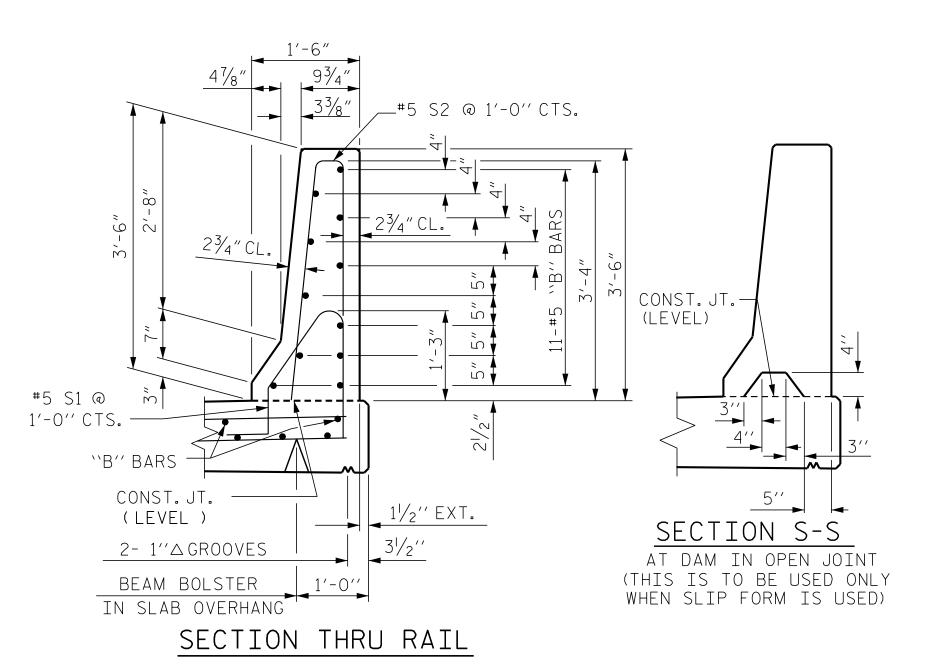


BAR TYPES

ALL	BAR	DIMENSIONS	ARE	OUT	ΤO	OUT
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	BIL	TERIAL	_			
FOR CONCRETE BARRIER RAIL ONLY						
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	
* S1	218	#5	1	4'-8"	1061	
* S2	210	#5	2	7′-0″	1533	
* S3	8	#5	2	5′-6″	46	
∗ B1	88	#5	STR	26′-7″	2440	

L		
-	* EPOXY COATED	
	REINFORCING STEEL	5,080 LBS.
(CLASS AA CONCRETE	29.5 CU. YDS.
Γ	CONCRETE BARRIER RAIL	216.67 LIN.FT.



Q /2" EXP.JT.MAT'L HELD IN PLACE WITH GALVANIZED NAILS.

(NOTE: OMIT EXP.JT.MAT'L. WHEN SLIP FORM IS USED.)

CHAMFER

3/4"

CHAMFER

CHAMFER

S

CONST. JT.

ELEVATION AT EXPANSION JOINTS

BARRIER RAIL DETAILS

DOCUMENT NOT CONSIDERED FINAL

UNLESS ALL SIGNATURES COMPLETE

ENGINEER OF RECORD
6/6/2019

SEAL
37400

SEAL
37400

CARON

M. GILLING

DOCUSIGNED by:
GRAPH M. GILLING

ETHERILL
ENGINEERING

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STATE OF NORTH CAROLINA

DEPARTMENT OF TRANSPORTATION

RALEIGH

STATION: 21+37.00 -LREV-

PROJECT NO. BR-0014

CUMBERLAND

SHEET 2 OF 2

STANDARD

CONCRETE
BARRIER RAIL

REVISIONS

SHEET NO.

BY: DATE: NO. BY: DATE: S-15

TOTAL SHEETS
28

ASSEMBLED BY: D. HODGE DATE: 3/19
CHECKED BY: B.C. HUNT DATE: 3/19

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

— #5 S1

COUNTY