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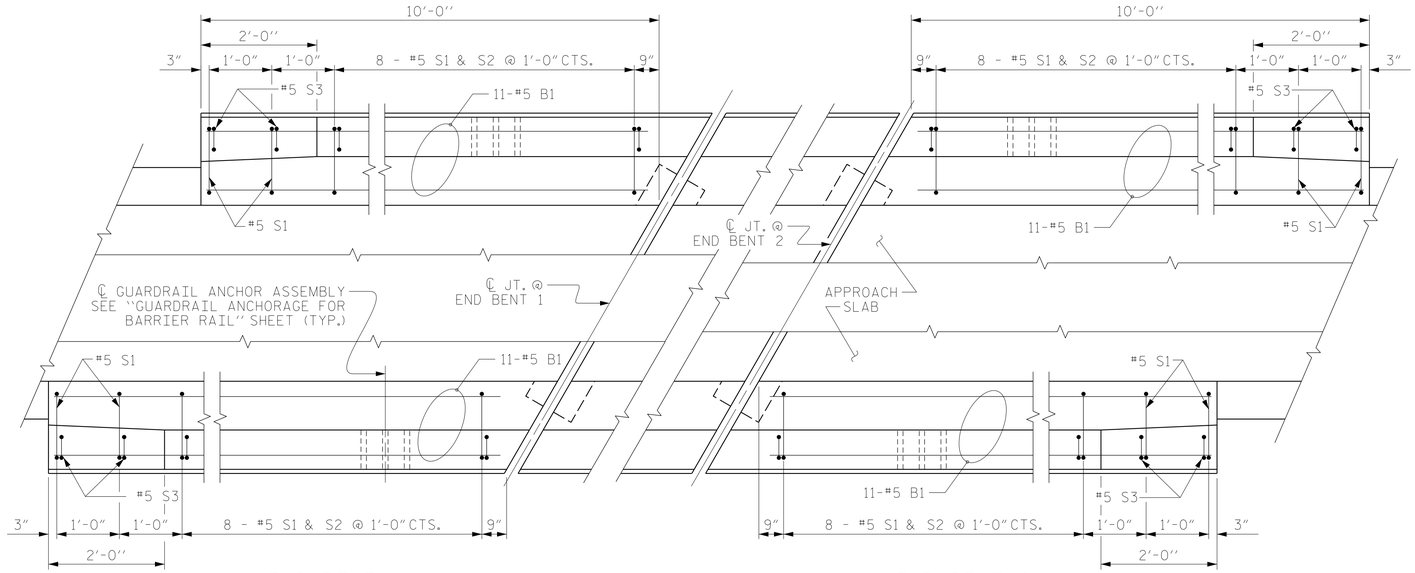
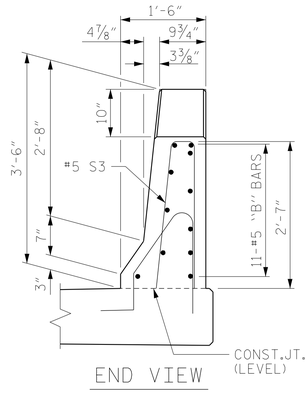


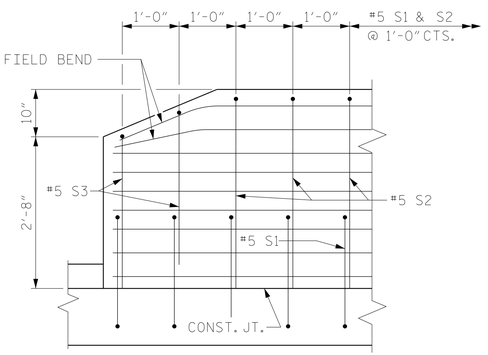
END BENT 1 END BENT 2

PLAN OF BARRIER RAIL

** SEE NOTE ON SHEET 1 OF 3 REGARDING BARRIER GEOMETRY

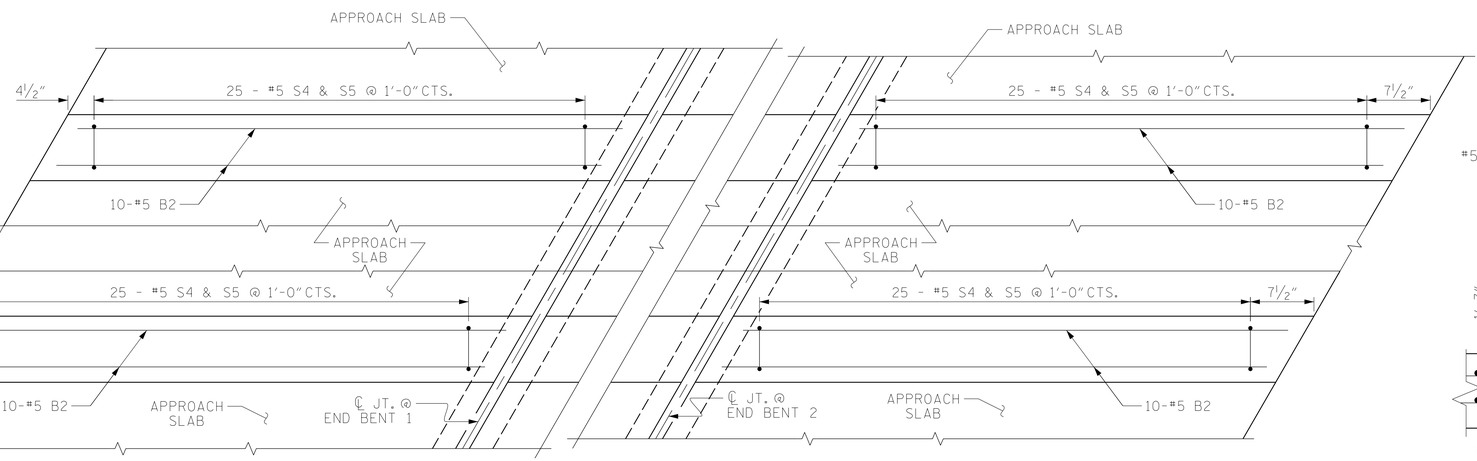


END VIEW



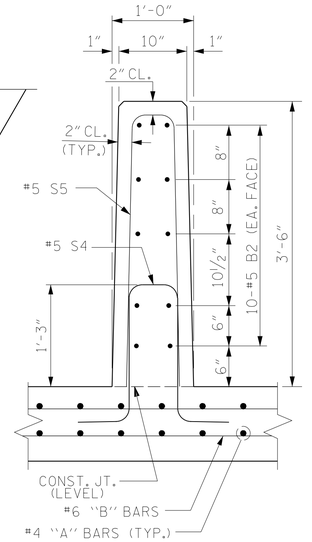
SIDE VIEW

END OF RAIL DETAILS

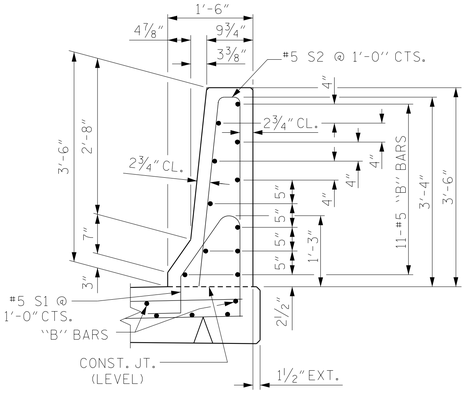


END BENT 1 END BENT 2

PLAN OF VERTICAL CONCRETE BARRIER RAIL



SECTION THROUGH RAIL



SECTION THRU RAIL

NOTES:

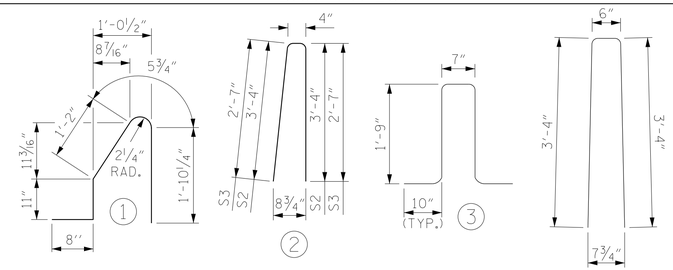
THE BARRIER RAIL ON EACH APPROACH SLAB SHALL NOT BE CAST UNTIL ALL APPROACH SLAB CONCRETE HAS BEEN CAST AND HAS REACHED A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI.

ALL REINFORCING STEEL IN BARRIER RAIL SHALL BE EPOXY COATED.

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

DRAWN BY : NSC DATE : 07/2019
CHECKED BY : JMR DATE : 09/2019
DESIGN ENGINEER OF RECORD: JMR DATE : 10/2019

BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT

BILL OF MATERIAL

FOR BARIER RAIL ONLY

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
*B1	44	#5	STR	9'-8"	444
*S1	40	#5	1	5'-1"	212
*S2	32	#5	2	7'-0"	234
*S3	8	#5	2	5'-6"	46

* EPOXY COATED REINFORCING STEEL 936 LBS.
CLASS AA CONCRETE 5.4 C.Y.
CONCRETE BARIER RAIL 40.0 LIN. FT.

BILL OF MATERIAL

FOR CONCRETE PARAPET ONLY

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
*B2	40	#5	STR	24'-7"	1026
*S4	100	#5	3	5'-9"	600
*S5	100	#5	4	7'-2"	747

* EPOXY COATED REINFORCING STEEL 2,373 LBS.
CLASS AA CONCRETE 11.9 C.Y.
VERTICAL CONCRETE BARRIER RAIL 100.0 LIN. FT.

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 18442 RICHARD LEON BOTTNER, JR. 10/14/2021

RS&H

RS&H Architects-Engineers-Planners, Inc.
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www.rsandh.com
North Carolina License Nos. 50073 * F-0493 * C-28

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

BRIDGE APPROACH SLAB DETAILS

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S2-37
1			3			TOTAL SHEETS
2			4			37

PROJECT NO. U-2579AB
FORSYTH COUNTY
STATION: 30+67.66 -Y4-

SHEET 3 OF 3

10/14/2021
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