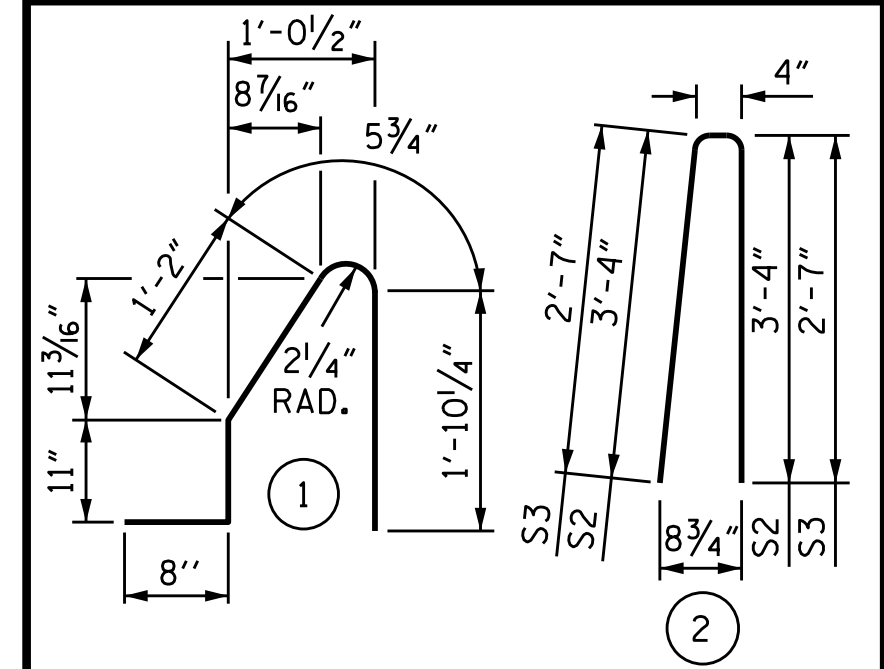## NOTES

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

ALL REINFORCING STEEL IN BARRIER RAIL SHALL BE EPOXY COATED.

GROOVED CONTRACTION JOINTS, ½" 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.
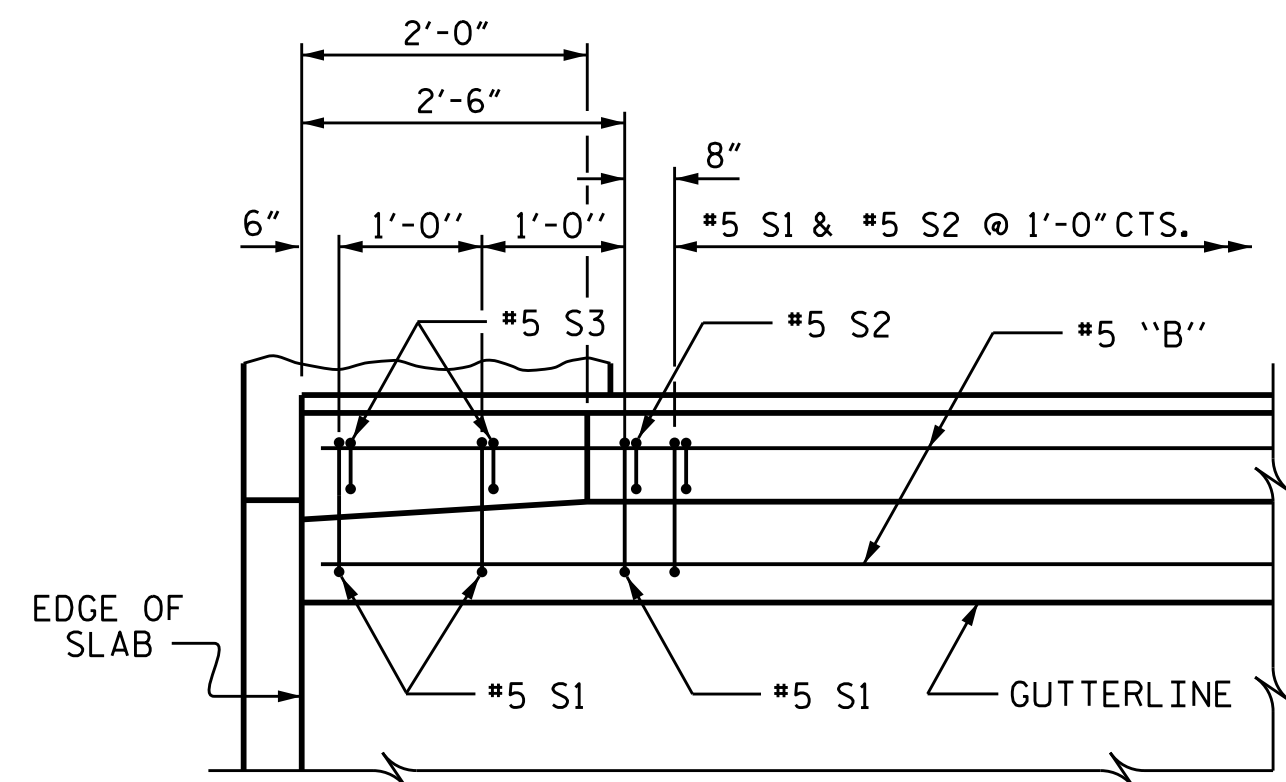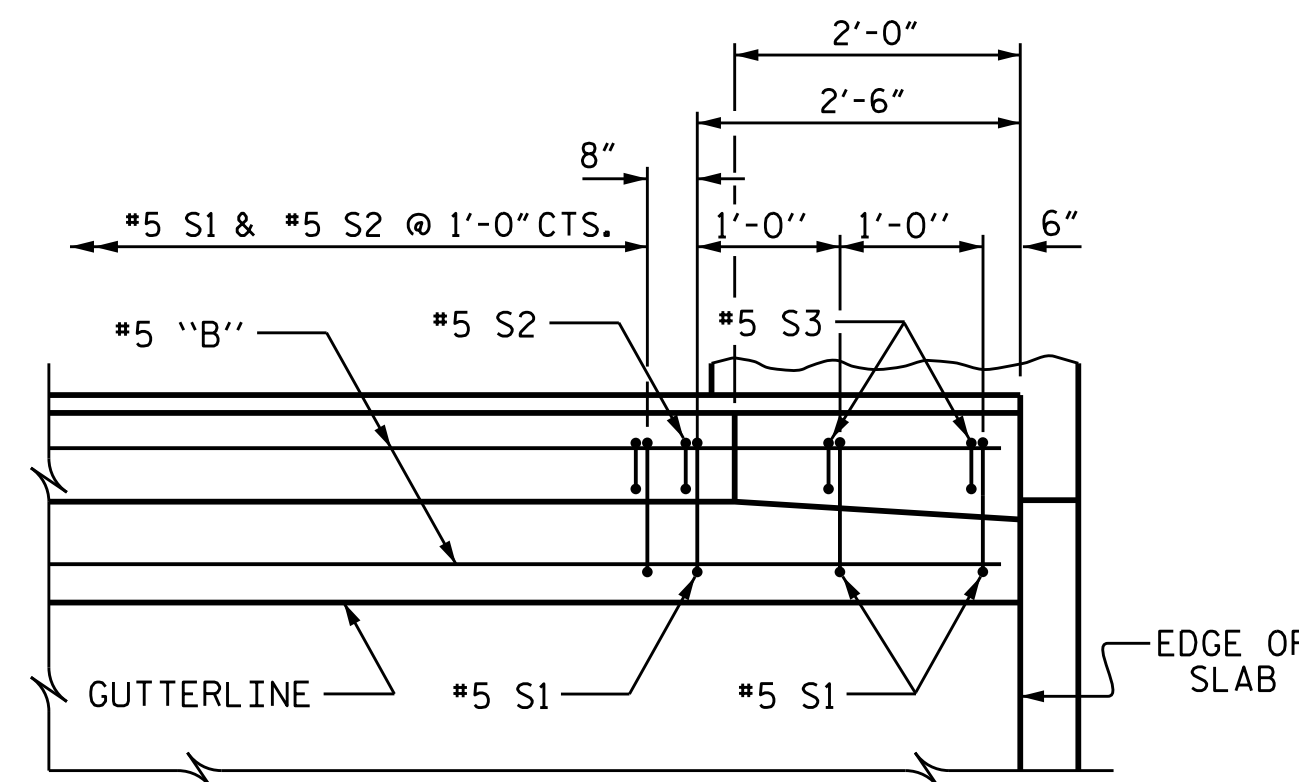
PLAN @ END BENT No. 1

PLAN @ END BENT No. 2
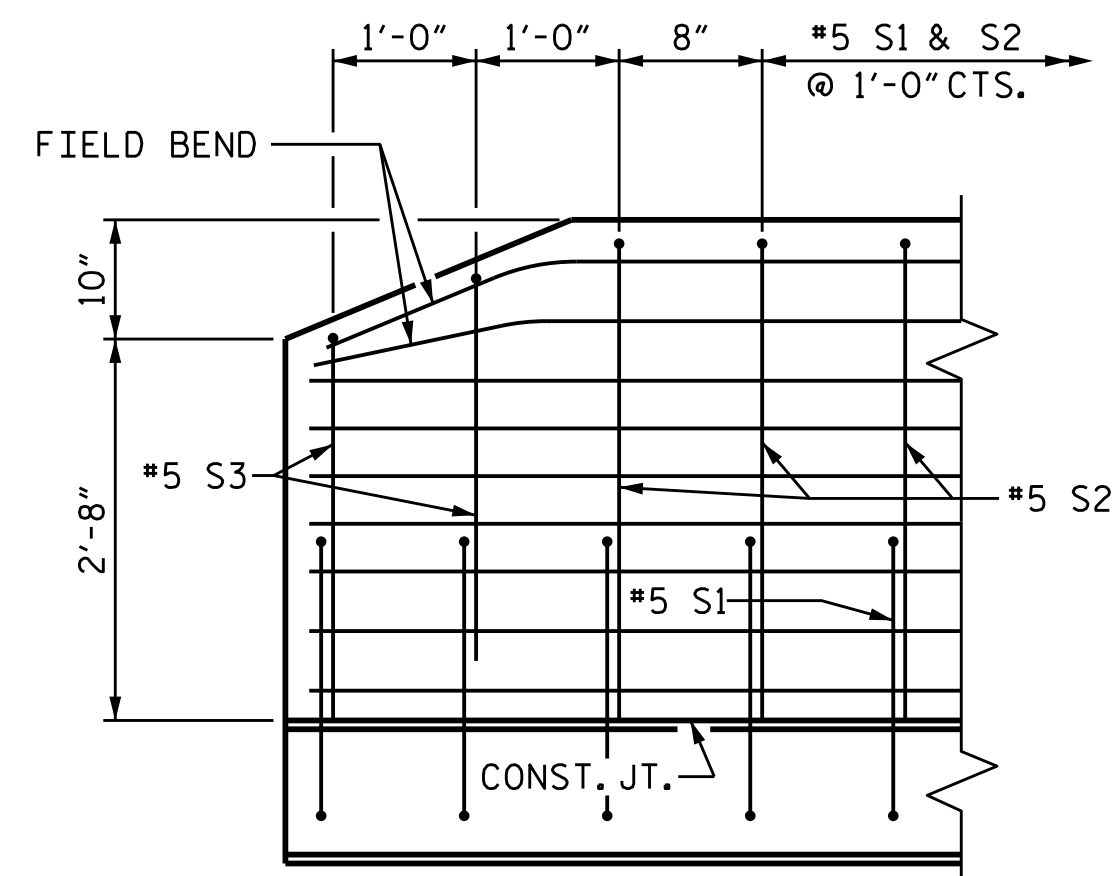
SIDE VIEW
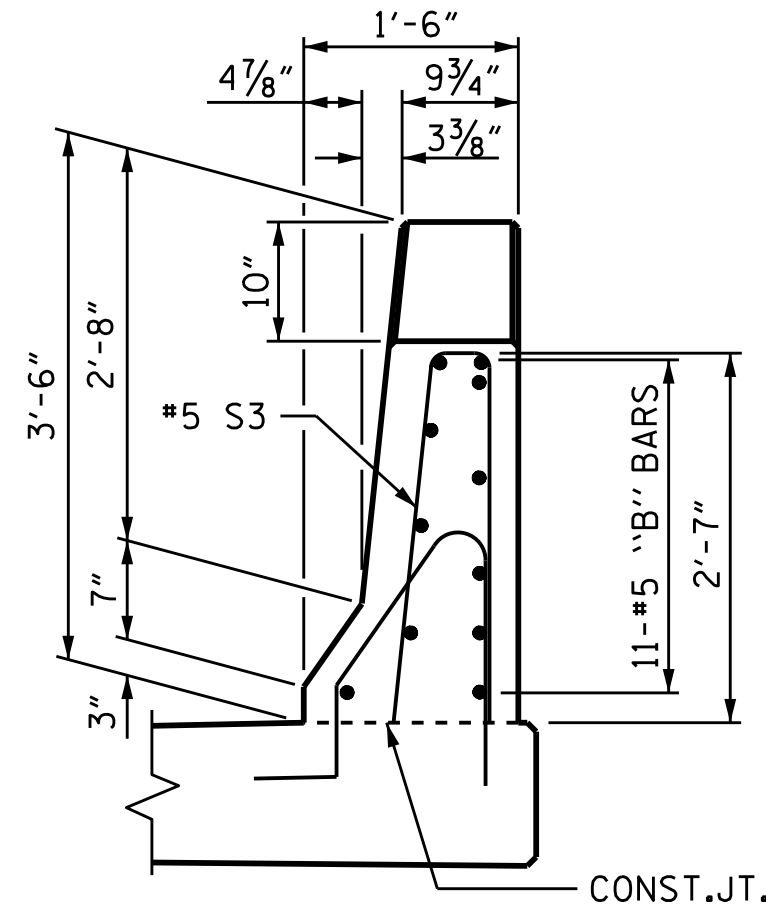
END VIEW

END OF RAIL DETAILS

ELEVATION AT EXPANSION JOINTS
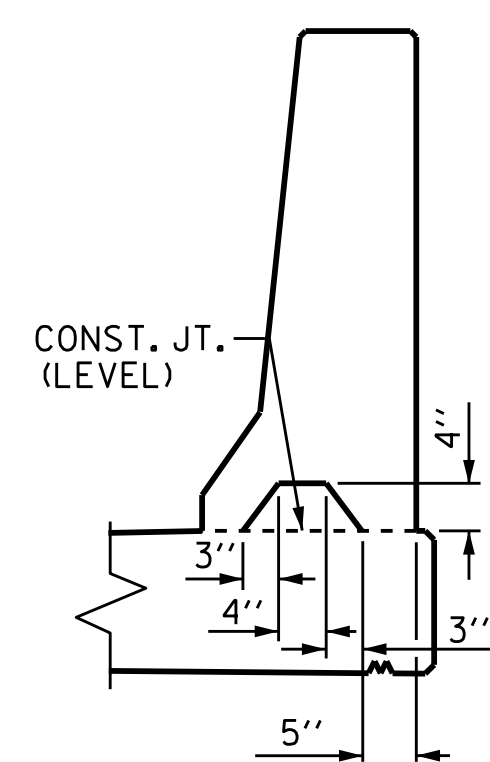
SECTION S-S
AT DAM IN OPEN JOINT
(THIS IS TO BE USED ONLY WHEN SLIP FORM IS USED)

SECTION THRU RAIL

BARRIER RAIL DETAILS

BAR TYPES

ALL BAR DIMENSIONS ARE OUT TO OUT

BILL OF MATERIAL

BARRIER RAIL ONLY					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
✳ B1	11	#5	STR	17'-1''	196
✳ B2	55	#5	STR	21'-3''	1219
✳ B3	11	#5	STR	22'-1''	253
✳ S1	149	#5	1	5'-1''	790
✳ S2	145	#5	2	7'-0''	1059
✳ S3	4	#5	2	5'-6''	23

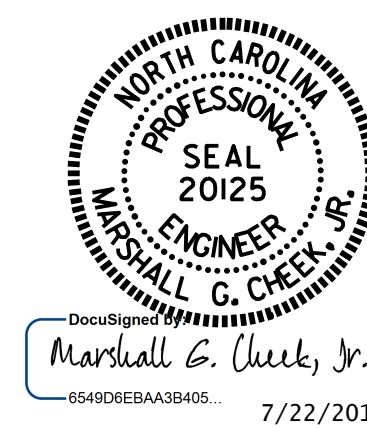| ✳ EPOXY COATED REINFORCING STEEL	LBS.	3540
CLASS AA CONCRETE	C.Y.	20.2
CONCRETE BARRIER RAIL	LIN. FT.	148.33
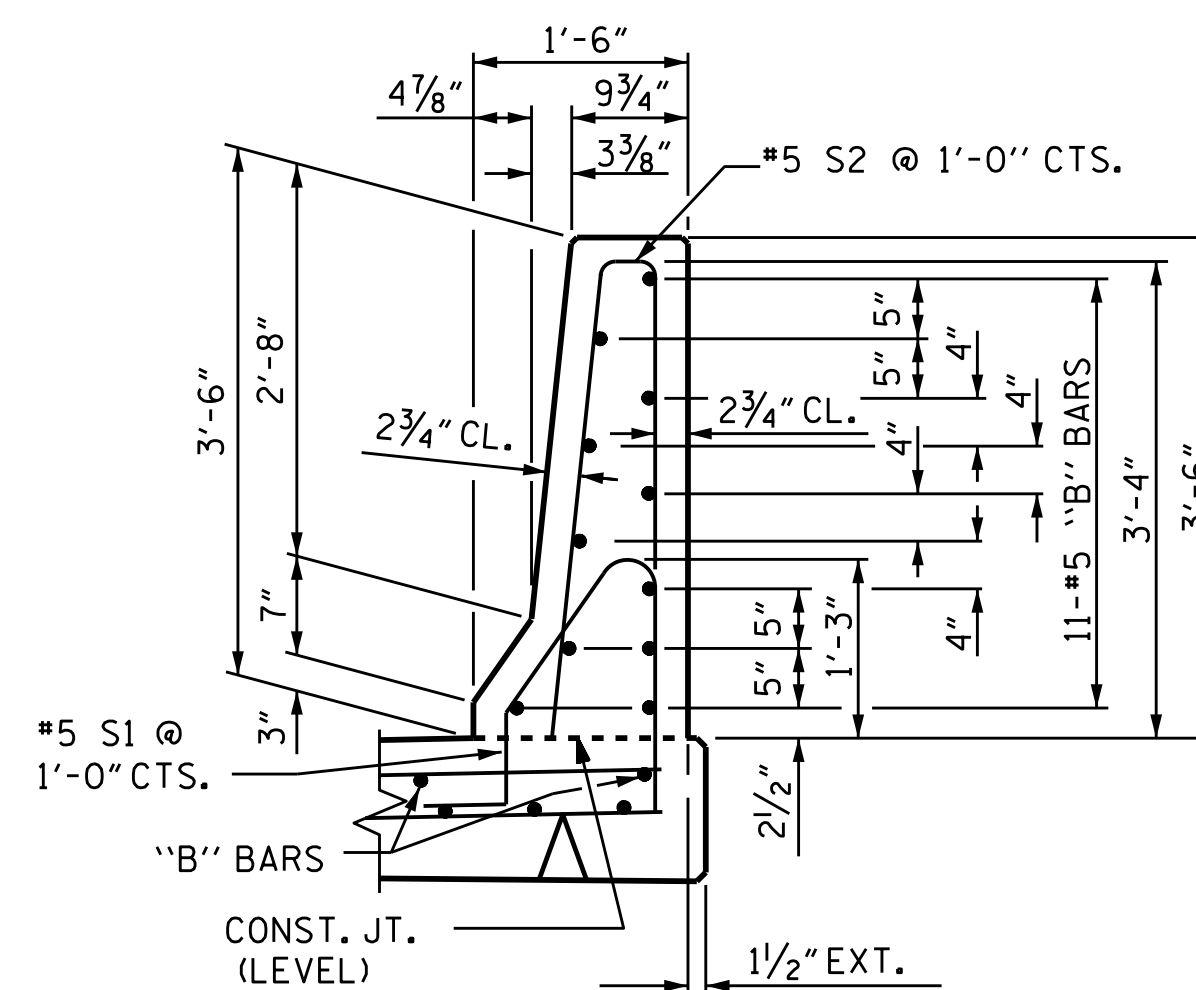
PROJECT NO. R-2603

PROJECT NO. **R-2603**

WILKES COUNTY

STATION: **117+35.00 -L-**

SHEET 2 OF 2

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

STANDARD

CONCRETE BARRIER RAIL

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 20125 MARSHALL G. CHEEK, JR.

Marshall G. Cheek, Jr.
7/22/2015