

NOTES

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

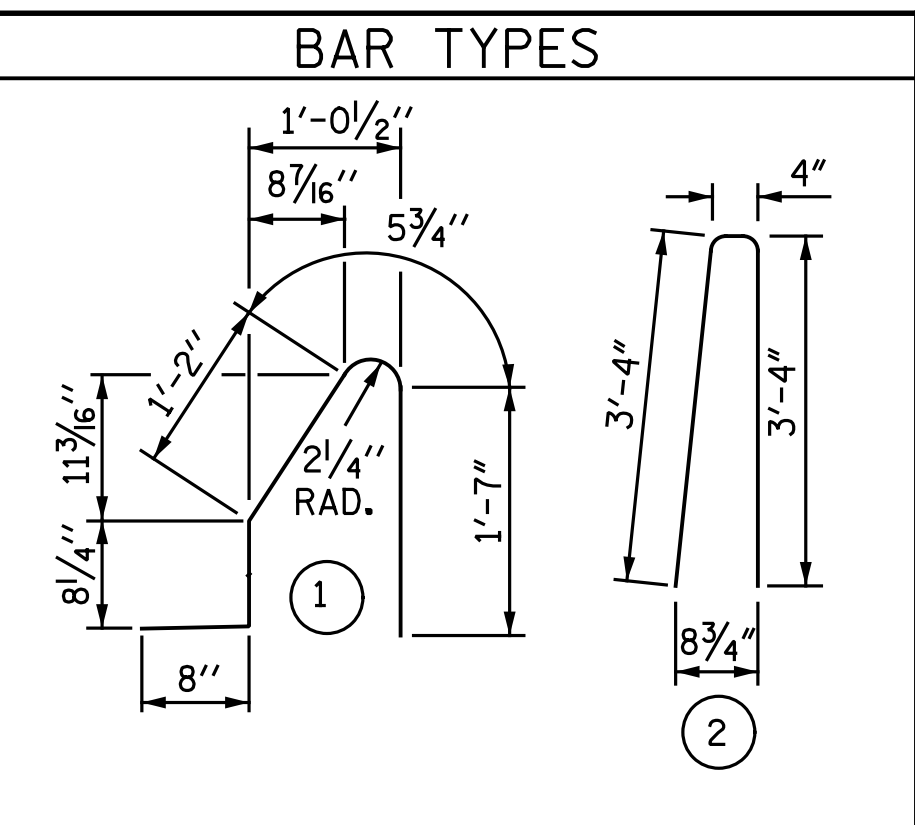
ALL REINFORCING STEEL IN BARRIER RAILS SHALL BE EPOXY COATED.

GROOVED CONTRACTION JOINTS, 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.

TEMPORARY DRAIN BLOCKOUTS FOR STAGE I AND STAGE II CONDITIONS SHALL BE FILLED WITH APPROVED GROUT UPON COMPLETION OF STAGE III CONSTRUCTION.

TEMPORARY DRAIN BLOCKOUTS MAY BE SHIFTED SLIGHTLY, AS NECESSARY, TO AVOID INTERFERENCE WITH CONCRETE BARRIER RAIL REINFORCEMENT AND 1/2" EXPANSION JOINTS.

THE COST OF THE PVC GROUT VENTS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CONCRETE BARRIER RAIL.



ALL BAR DIMENSIONS ARE OUT TO OUT

BILL OF MATERIAL

FOR CONCRETE BARRIER RAIL ONLY

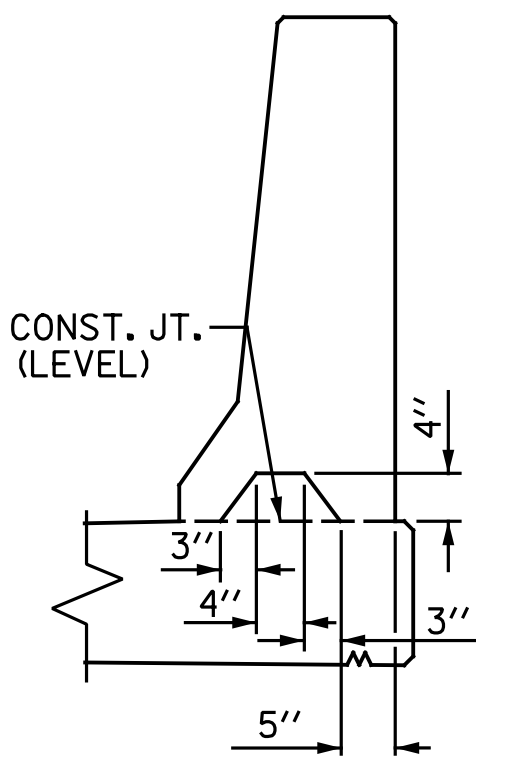
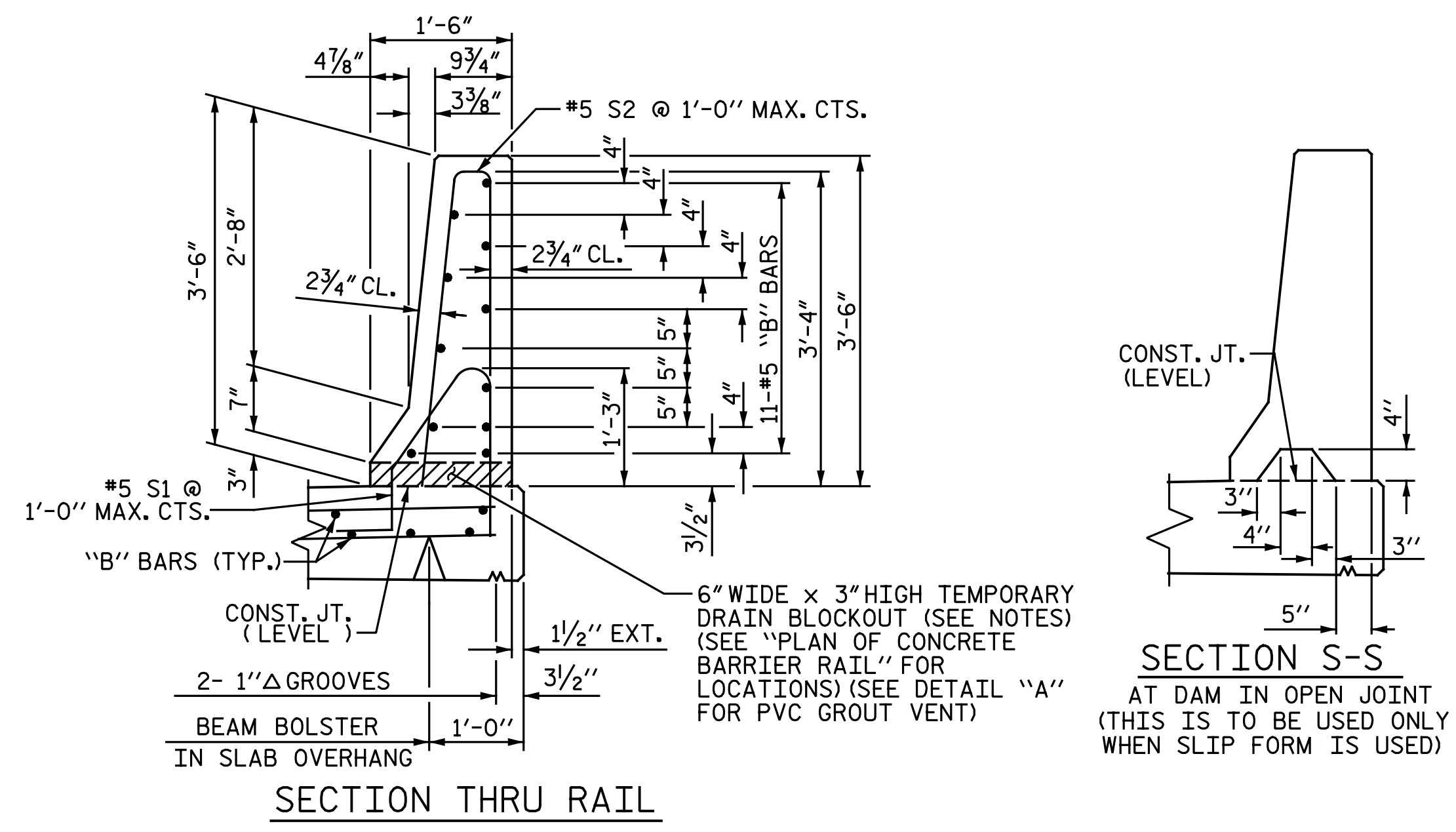
STAGE I					
BAR NO.	SIZE	TYPE	LENGTH	WEIGHT	
*B1	22	#5 STR.	25' - 1"	576	
*B2	44	#5 STR.	14' - 10"	681	
*S1	104	#5	1	4' - 7"	497
*S2	104	#5	2	7' - 0"	759

*EPOXY COATED REINFORCING STEEL	LBS.	2,513
CLASS AA CONCRETE	CU. YDS.	14.0
CONCRETE BARRIER RAIL	LIN. FT.	103.39

STAGE II					
BAR NO.	SIZE	TYPE	LENGTH	WEIGHT	
*B1	22	#5 STR.	25' - 1"	576	
*B2	44	#5 STR.	14' - 10"	681	
*S1	104	#5	1	4' - 7"	497
*S2	104	#5	2	7' - 0"	759

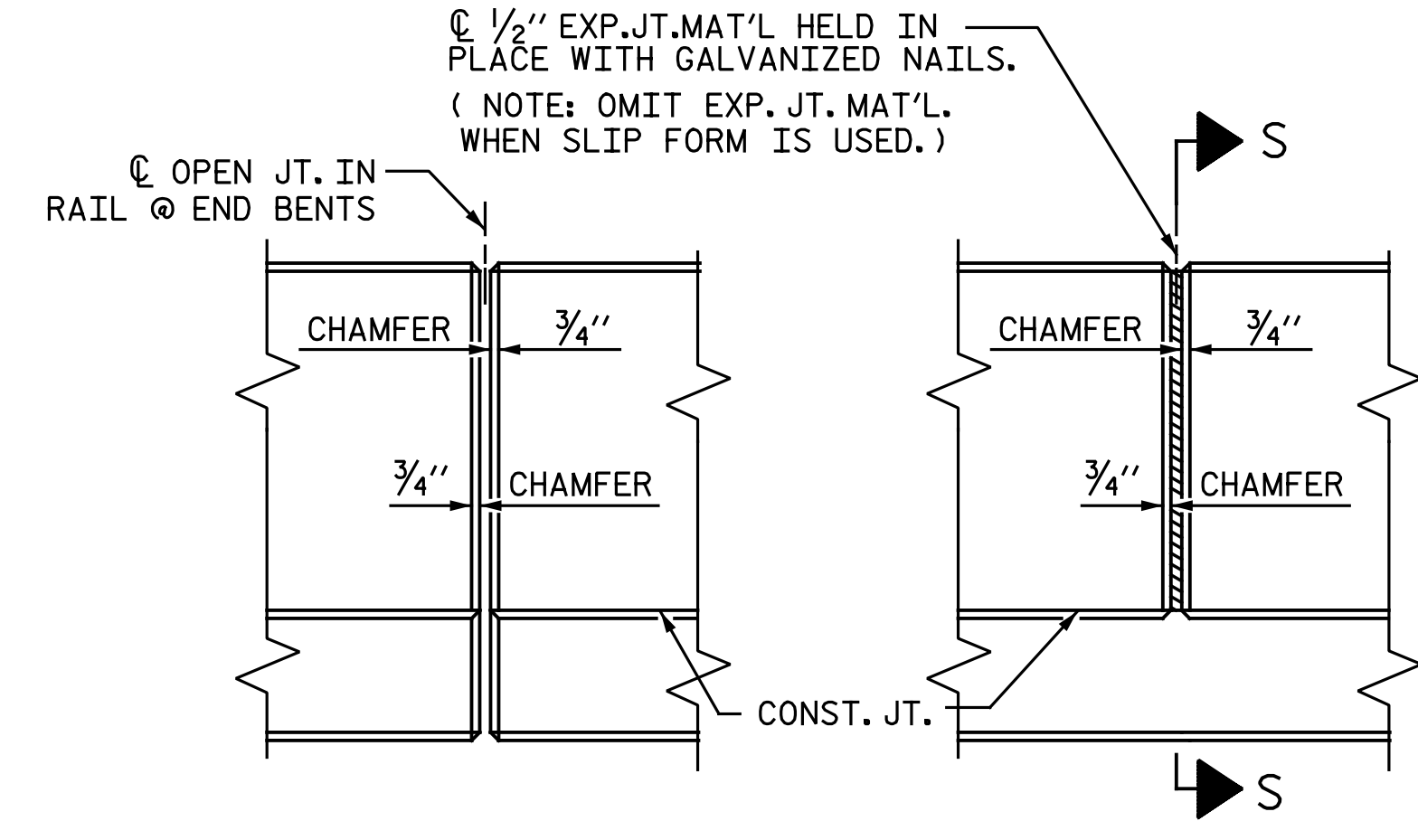
*EPOXY COATED REINFORCING STEEL	LBS.	2,513
CLASS AA CONCRETE	CU. YDS.	14.0
CONCRETE BARRIER RAIL	LIN. FT.	103.39

QUANTITIES DO NOT INCLUDE BARRIER RAILS ON THE APPROACH SLABS. FOR BARRIER RAILS ON THE APPROACH SLABS, SEE "BRIDGE APPROACH SLAB DETAILS" SHEET.

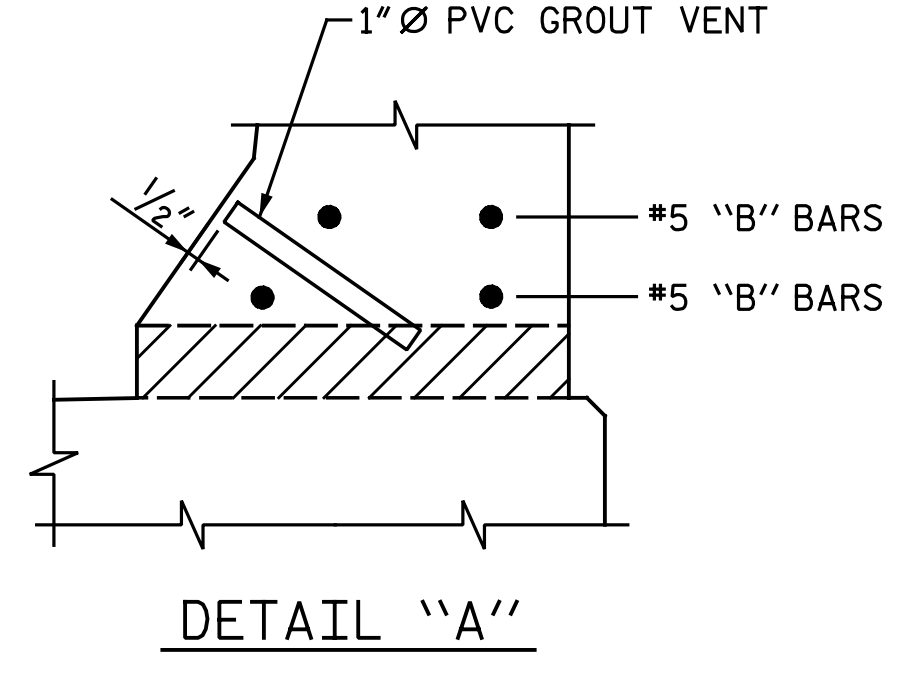


SECTION THRU RAIL

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



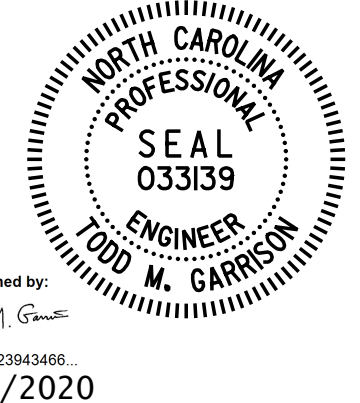
ELEVATION AT EXPANSION JOINTS
BARRIER RAIL DETAILS



DETAIL "A"

PROJECT NO. I-5986B
JOHNSTON COUNTY
STATION: 1391+19.65 -L-

SHEET 2 OF 2



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
STANDARD
CONCRETE
BARRIER RAIL

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S3-21
1			3			TOTAL SHEETS
2			4			44

ASSEMBLED BY : N. B. SPEAKS	DATE : 8-5-19
CHECKED BY : T. M. GARRISON	DATE : 2-1-20
DRAWN BY : ARB 5/87	REV. 7/12 MAA/GM
CHECKED BY : SJD 9/87	REV. 6/13 MAA/GM
	REV. 12/17 MAA/THC