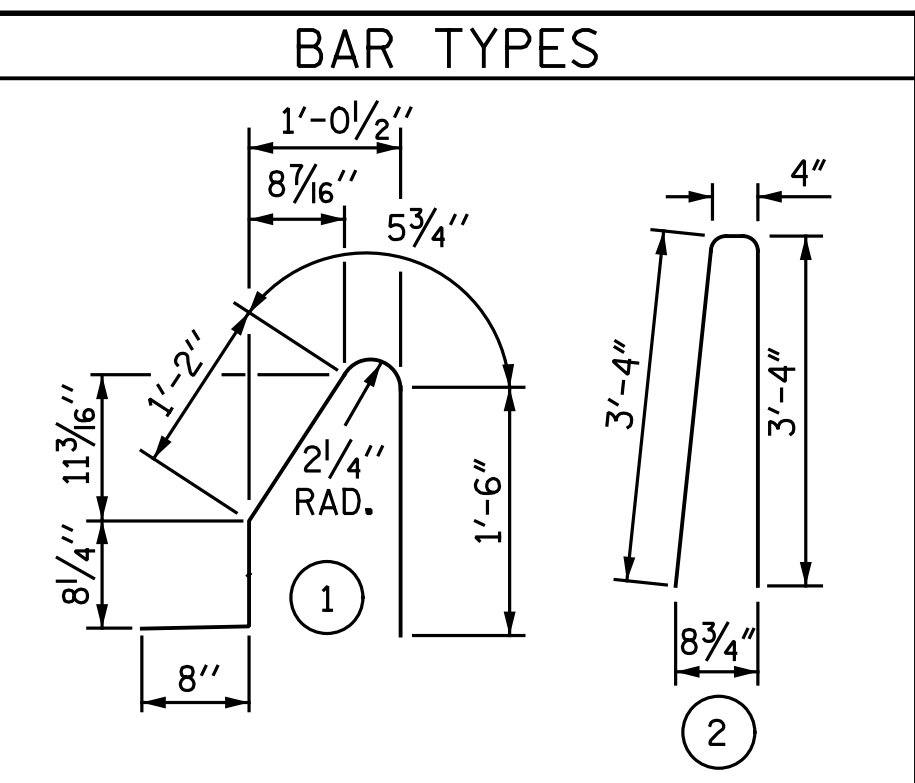


NOTES

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.



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' - 5"	662
*S1	104	#5	1	4' - 6"	488
*S2	104	#5	2	7' - 0"	759

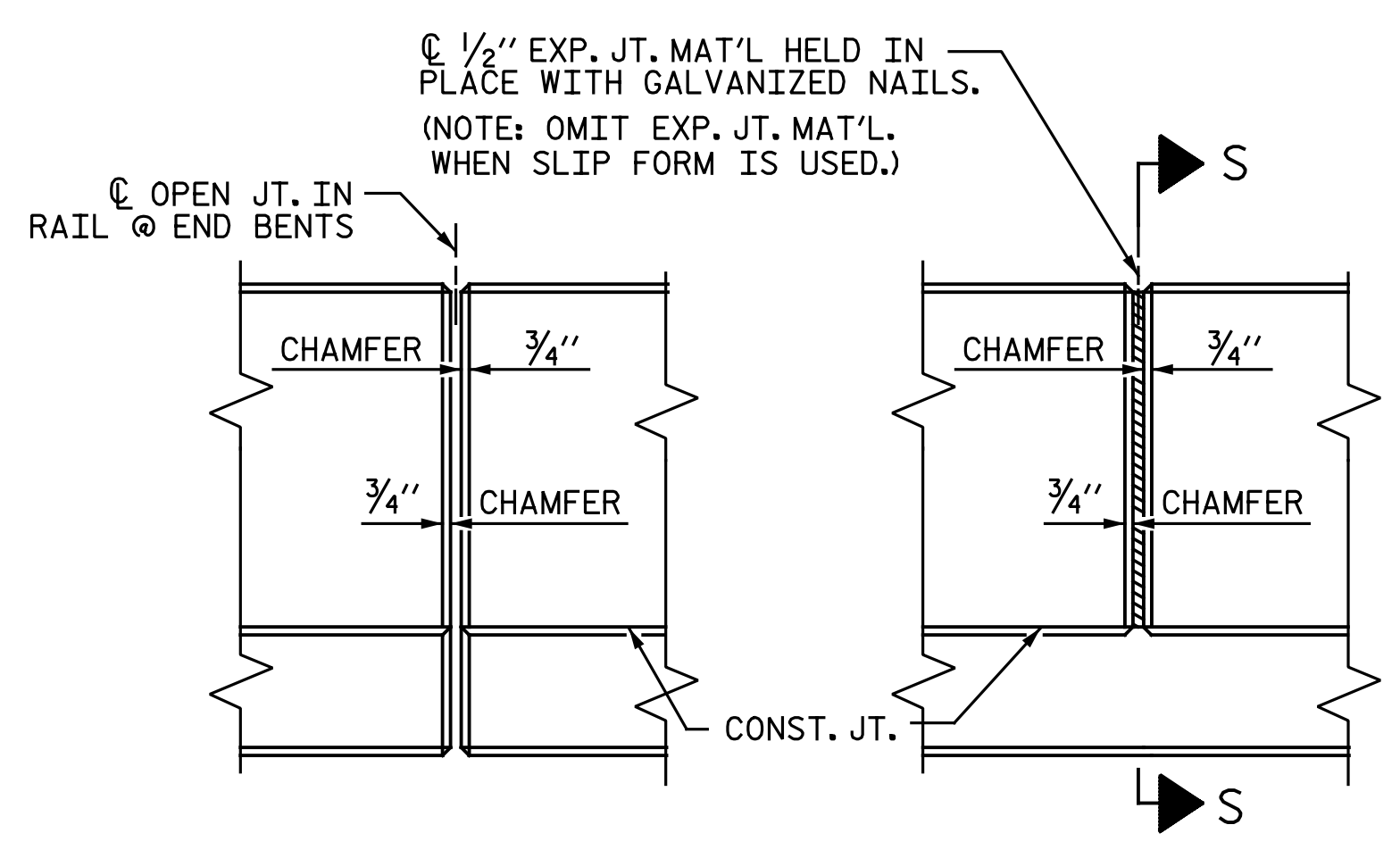
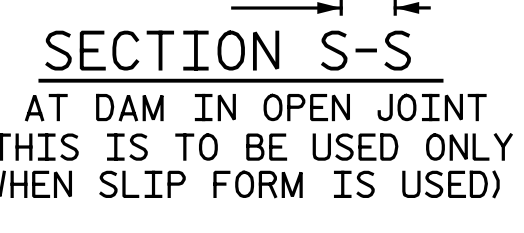
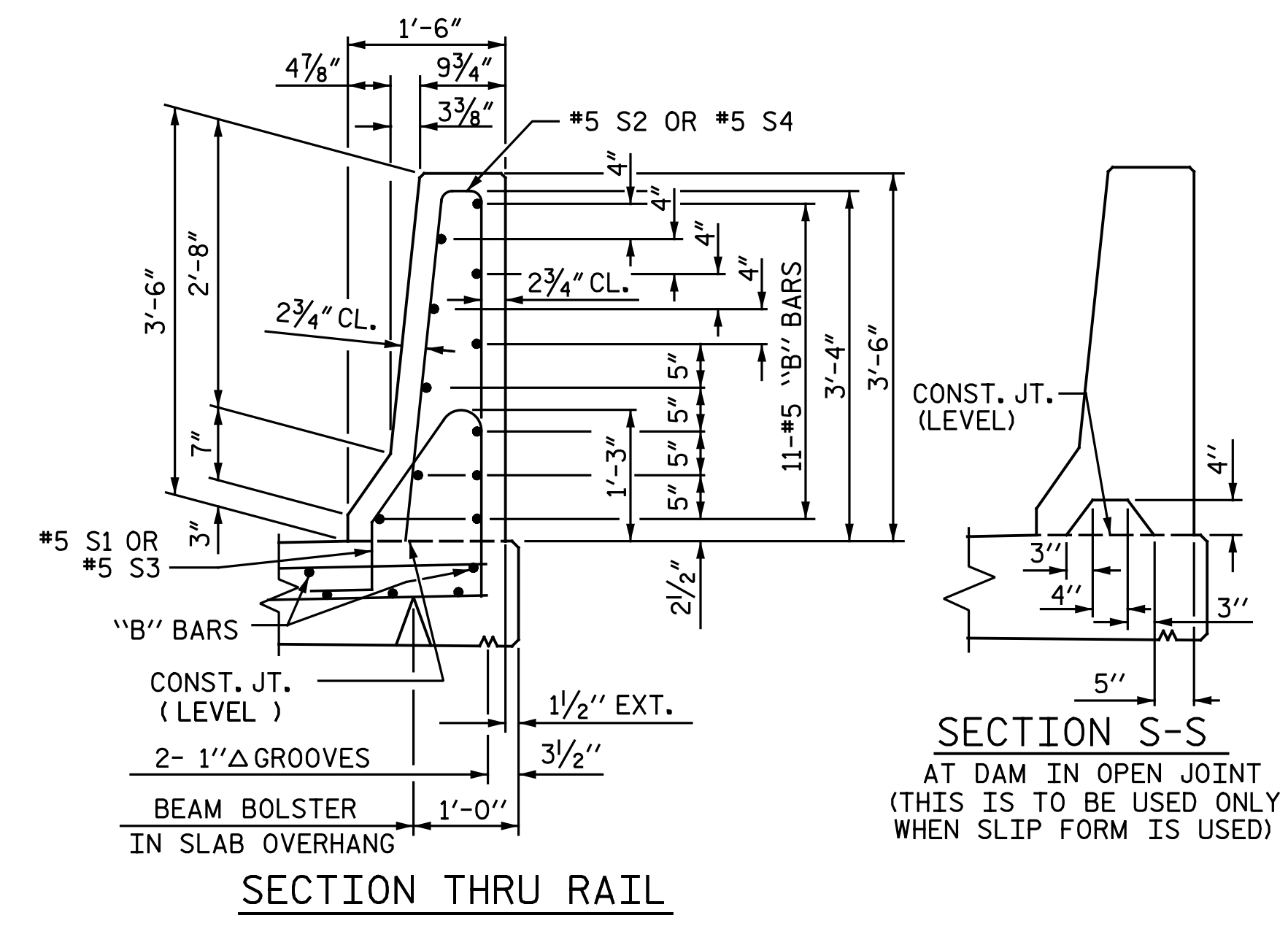
\* EPOXY COATED  
REINFORCING STEEL LBS. 2,485  
CLASS AA CONCRETE CU. YDS. 13.9  
CONCRETE BARRIER RAIL LIN. FT. 102.29

**STAGE II**

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
*B3	22	#5	STR.	25' - 1"	576
*B4	44	#5	STR.	14' - 5"	662
*S3	104	#5	1	4' - 6"	488
*S4	104	#5	2	7' - 0"	759

\* EPOXY COATED  
REINFORCING STEEL LBS. 2,485  
CLASS AA CONCRETE CU. YDS. 13.9  
CONCRETE BARRIER RAIL LIN. FT. 102.29

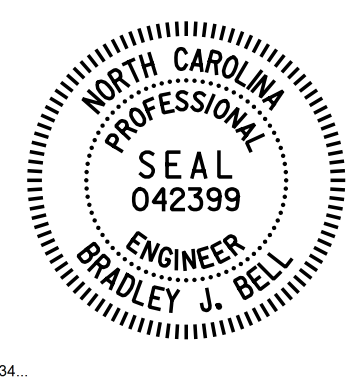
QUANTITIES DO NOT INCLUDE BARRIER RAILS ON THE APPROACH SLABS. FOR BARRIER RAILS ON THE APPROACH SLABS, SEE "BRIDGE APPROACH SLAB DETAILS 1" SHEET.



**BARRIER RAIL DETAILS**

PROJECT NO. I-5878  
HARNETT COUNTY  
STATION: 1002+79.68 -LREV-

SHEET 2 OF 2



Designed by:  
E. J. Bell  
C41A3F8EAC3A3434  
4/22/2021

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

**Michael Baker INTERNATIONAL**  
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NC License No.: F-1084

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

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S2-16
1			3			TOTAL SHEETS
2			4			34

ASSEMBLED BY : N. B. SPEAKS	DATE : 4-11-19
CHECKED BY : B. J. BELL	DATE : 5-10-19
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