

NOTES:

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

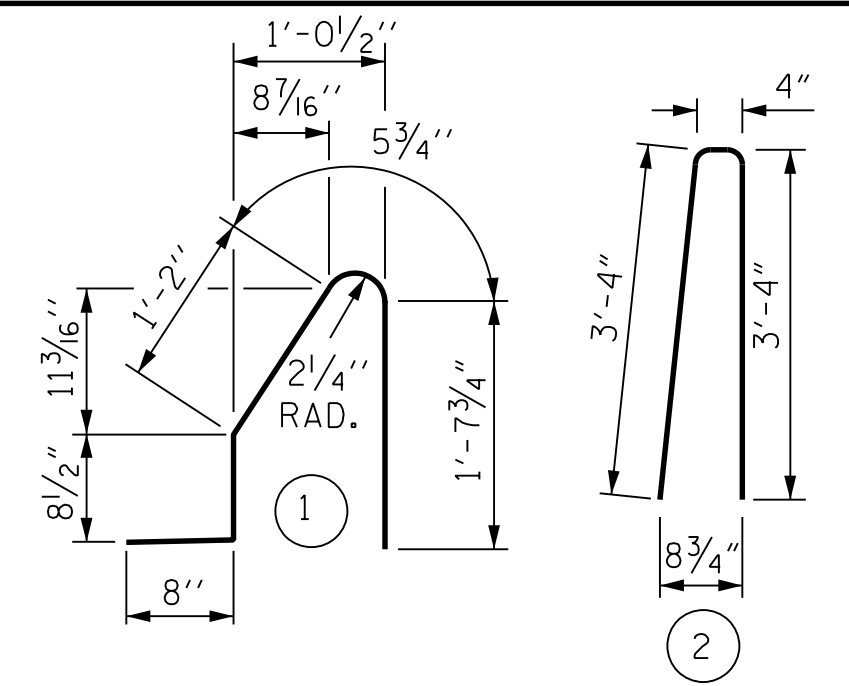
ALL REINFORCING STEEL IN BARRIER RAILS SHALL BE EPOXY COATED.

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.

FOR END OF BARRIER RAIL DETAILS, SEE SHEET SL-34.

FOR BARRIER RAIL DETAILS ON APPROACH SLAB, SEE BRIDGE APPROACH SLAB SHEETS.

BAR TYPES



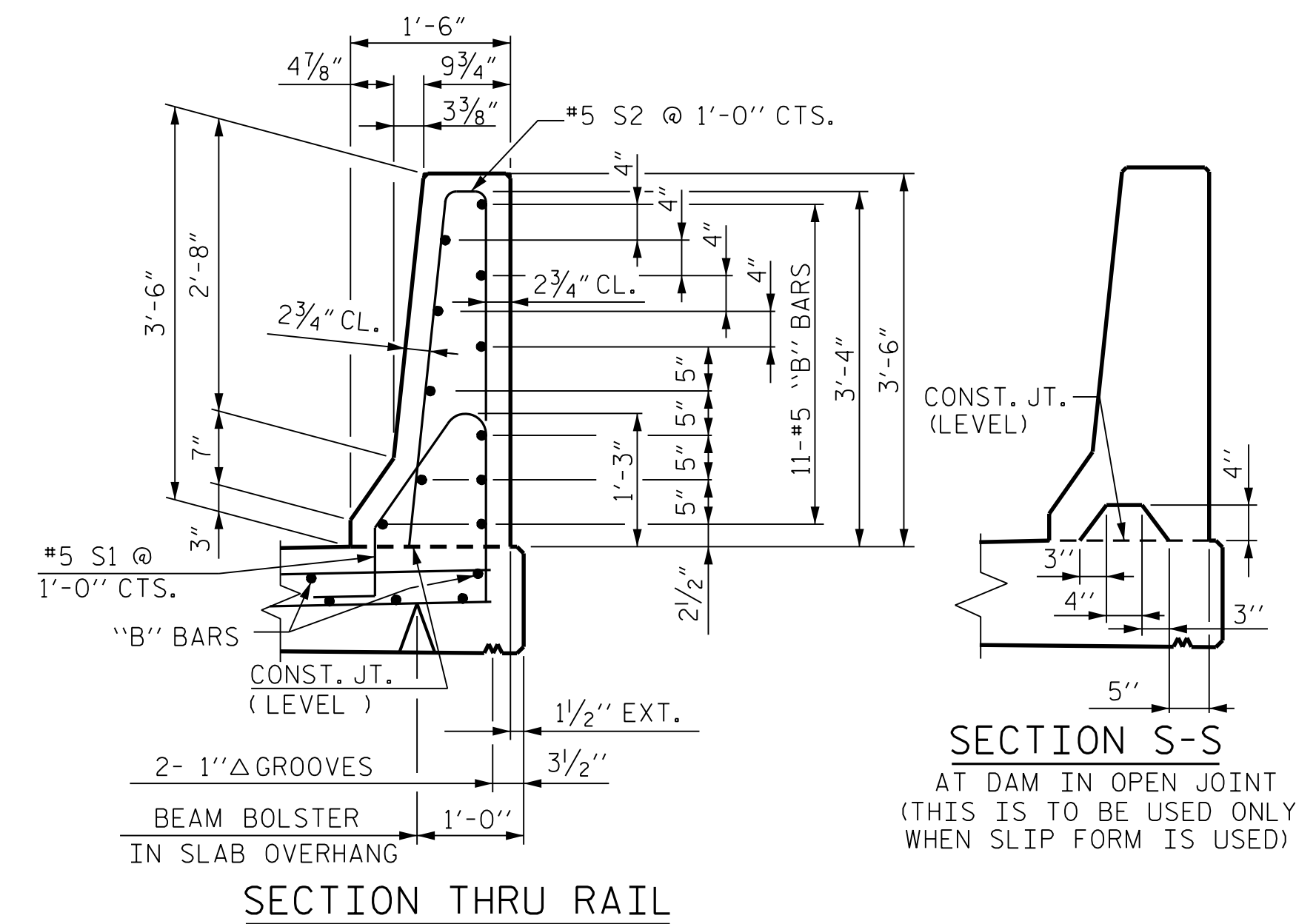
ALL BAR DIMENSIONS ARE OUT TO OUT

BILL OF MATERIAL

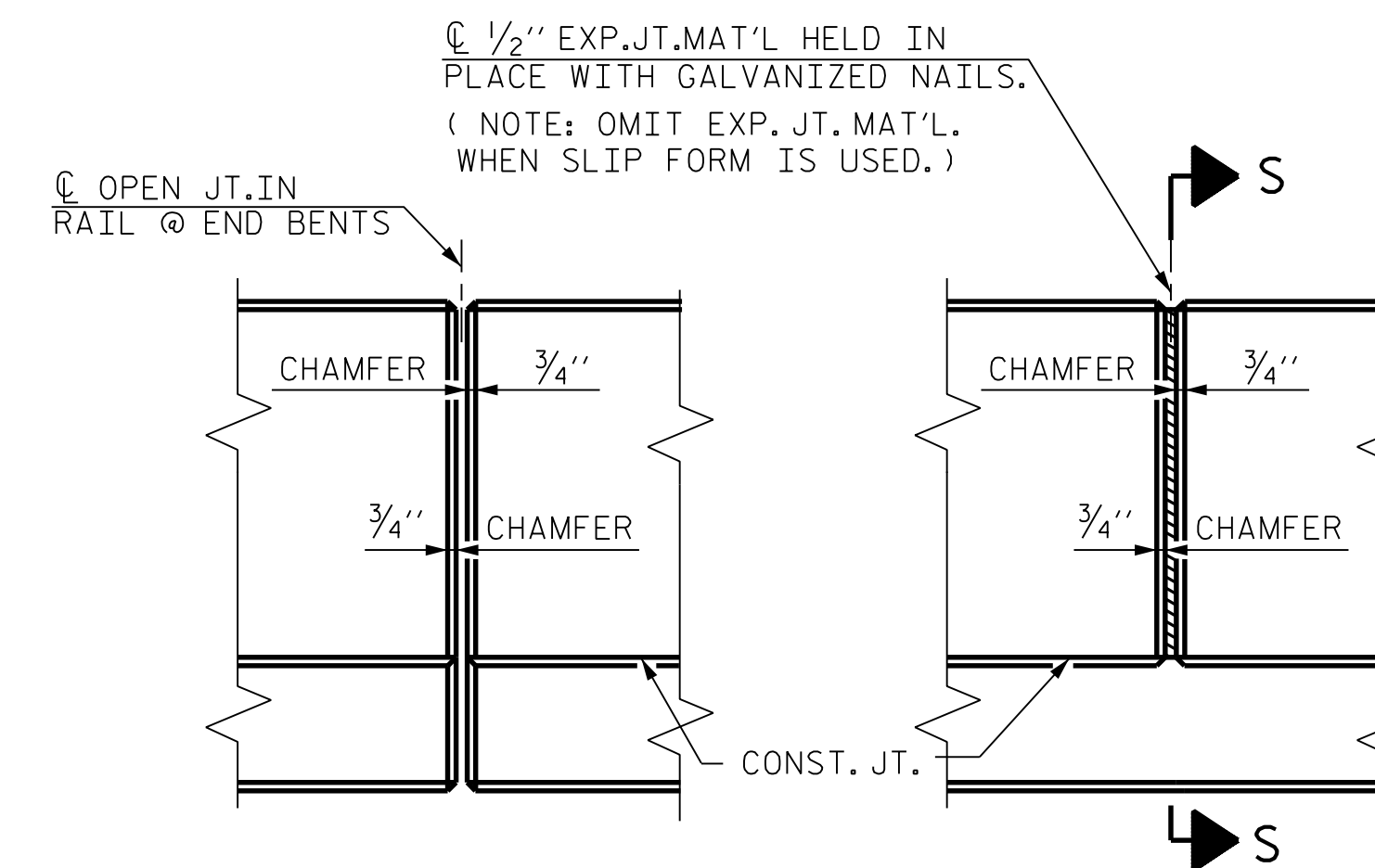
FOR CONCRETE BARRIER RAIL ONLY

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
* B1	44	#5	STR.	12'-8"	581
* B2	88	#5	STR.	28'-8"	2,631
* B3	44	#5	STR.	16'-8"	765
* S1	334	#5	1	4'-8"	1,626
* S2	334	#5	2	7'-0"	2,439

* EPOXY COATED REINFORCING STEEL	8,042 LBS.
CLASS AA CONCRETE	45.6 CU. YDS.
CONCRETE BARRIER RAIL	334.90 LTN. FT.



SECTION THRU RAIL

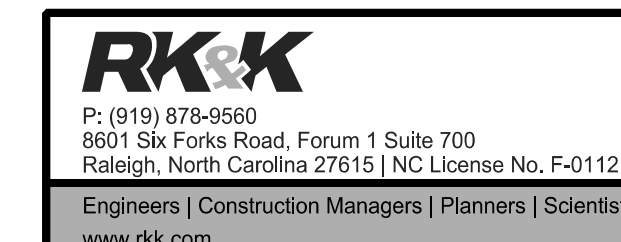
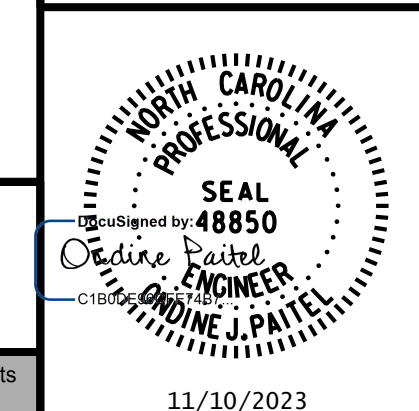


**ELEVATION AT EXPANSION JOINTS
BARRIER RAIL DETAILS**

PROJECT NO. R-2577A
 FORSYTH COUNTY
 STATION: 140+39.50 -L-

SHEET 2 OF 2

BRIDGE NO. 330815



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 SUPERSTRUCTURE
 CONCRETE BARRIER
 RAIL &
 BILL OF MATERIAL
 LEFT LANE

REVISIONS

NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		

SHEET NO.
SL-19
TOTAL SHEETS
35

**DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED**

11/10/2023 R:\Structures\BRIDGE\LeftBridge\DGNN\FINAL\R2577A_SMU_BR2_330815.dgn

DRAWN BY : T. K. BOYD	DATE : SEP 2023
CHECKED BY : L. K. AUSTIN	DATE : SEP 2023
DESIGN ENGINEER OF RECORD : O. J. PATEL	DATE : SEP 2023