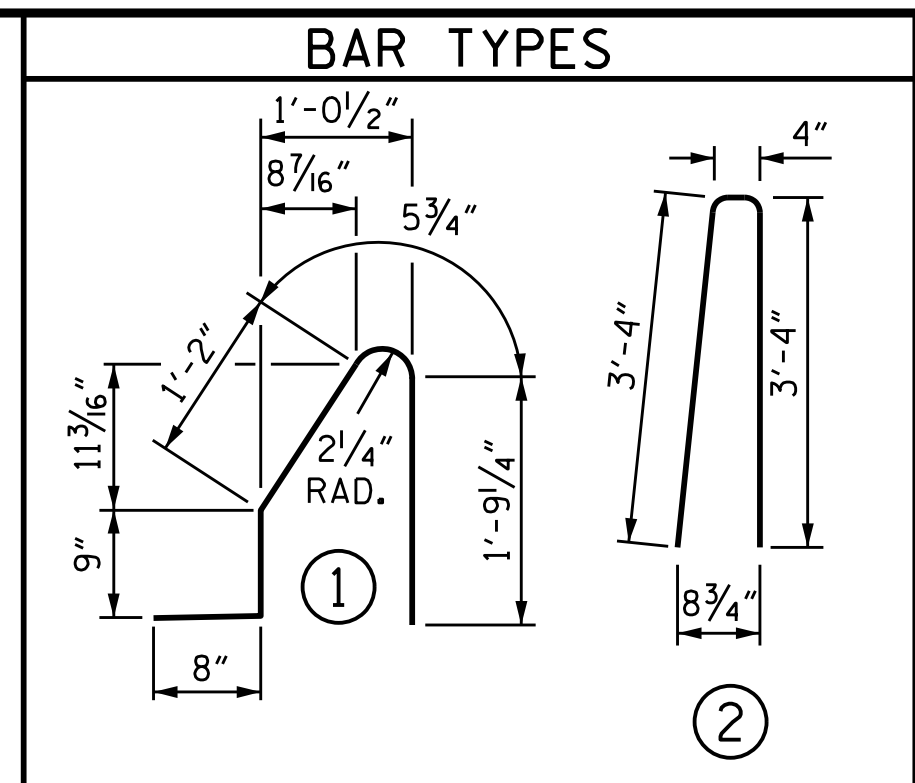


**PLAN**



ALL BAR DIMENSIONS ARE OUT TO OUT

**BILL OF MATERIAL**

FOR CONCRETE BARRIER RAIL ONLY

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
* B1	88	#5	STR	21'-11"	1935
* B2	88	#5	STR	12'-11"	1186
* S1	258	#5	1	4'-10"	1301
* S2	258	#5	2	7'-0"	1884

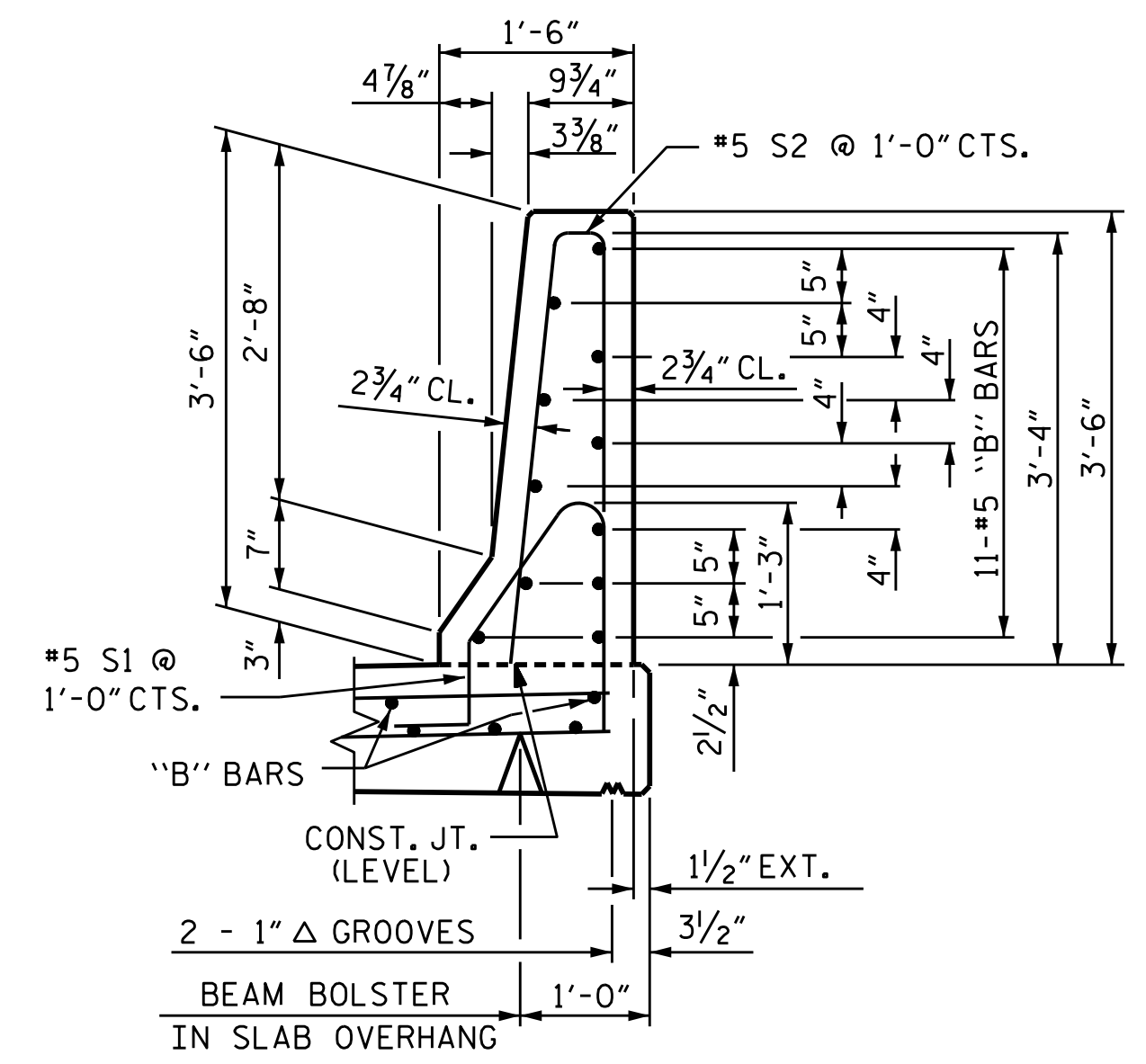
\*EPOXY COATED REINFORCING STEEL 6,306 LBS.  
 CLASS AA CONCRETE 40.9 CU. YDS.  
 \*\* CONCRETE BARRIER RAIL 303.6 LIN. FT.  
 \*\* INCLUDES BARRIER RAIL ON APPROACH SLAB

**NOTES**

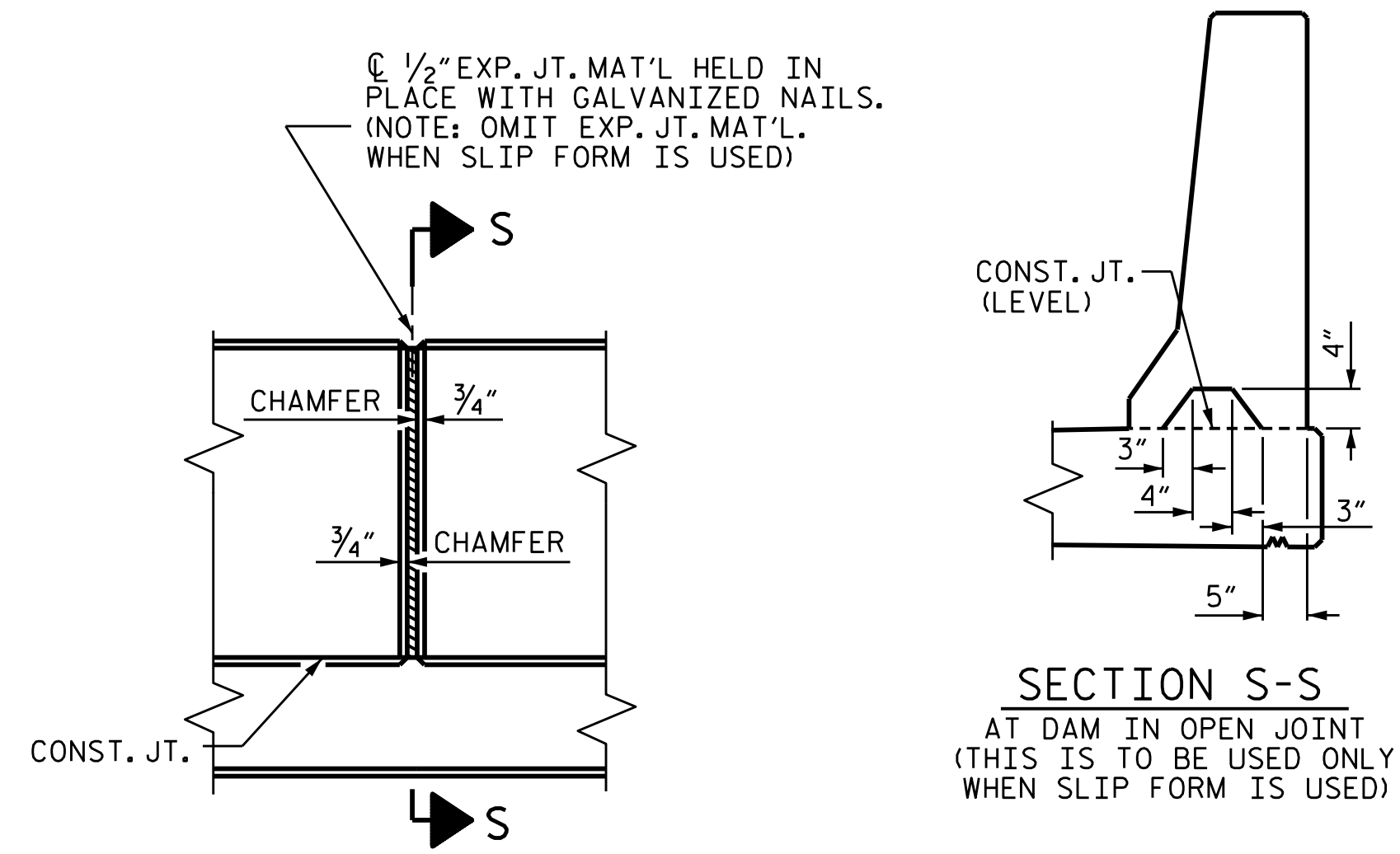
THE BARRIER RAIL IN A CONTINUOUS UNIT SHALL NOT BE CAST UNTIL ALL SLAB CONCRETE IN THAT UNIT HAS BEEN CAST AND HAS REACHED A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI.

ALL REINFORCING STEEL IN BARRIER RAILS SHALL BE EPOXY COATED.

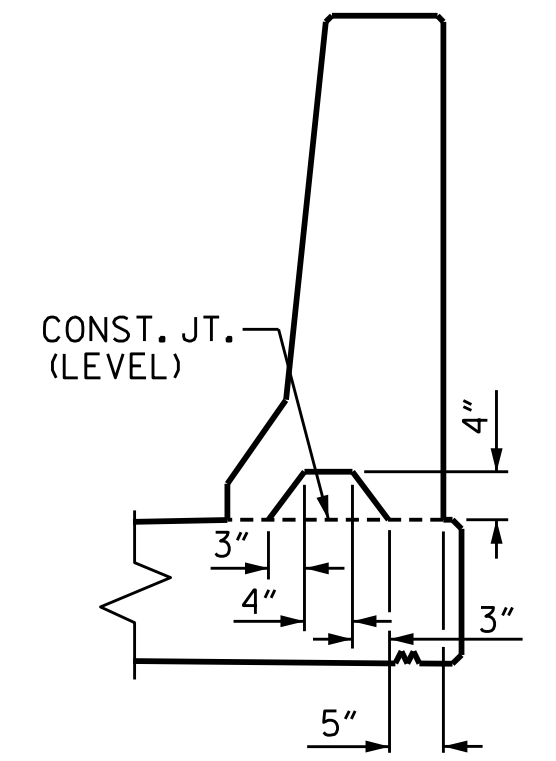
GROOVED CONTRACTION JOINTS, 1/2" IN DEPTH, SHALL BE TOOLED IN ALL EXPOSED FACES OF THE BARRIER RAIL AND IN ACCORDANCE WITH ARTICLE 825-10(B) OF THE STANDARD SPECIFICATIONS. THE CONTRACTION JOINT SHALL BE LOCATED AT EACH THIRD POINT BETWEEN BARRIER RAIL EXPANSION JOINTS. ONLY ONE CONTRACTION JOINT IS 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.



**SECTION THRU RAIL**



**ELEVATION AT EXPANSION JOINTS**



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

PROJECT NO. R-2915B  
ASHE COUNTY  
 STATION: 234+19.20 -L-

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH

**CONCRETE BARRIER RAIL**

NBL

REVISIONS						SHEET NO. S03-15
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			TOTAL SHEETS 30
2			4			

DRAWN BY : T.J. KIRSCHBAUM DATE : 4/14/14  
 CHECKED BY : R.F. WERTMAN DATE : 5/1/14  
 DESIGN ENGINEER OF RECORD : R.F. WERTMAN DATE : 5/1/14

PLANS PREPARED BY:  
**Gannett Fleming**  
 Excellence Delivered As Promised

1121 Situs Court  
 Suite 170  
 Raleigh, NC 27606-4279  
 (919) 859-4880  
 N.C. Lic. No. F-0270

