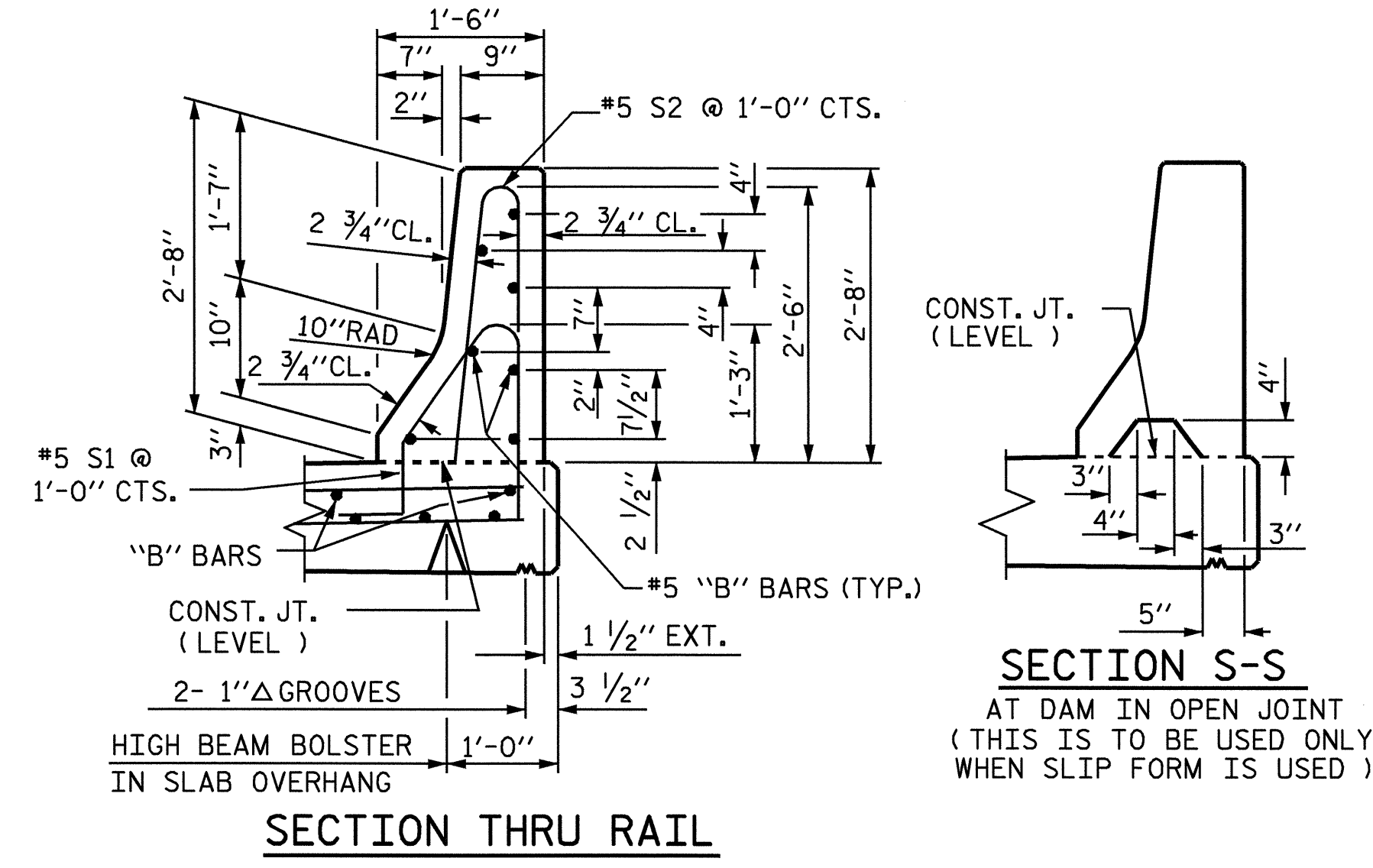


NOTES

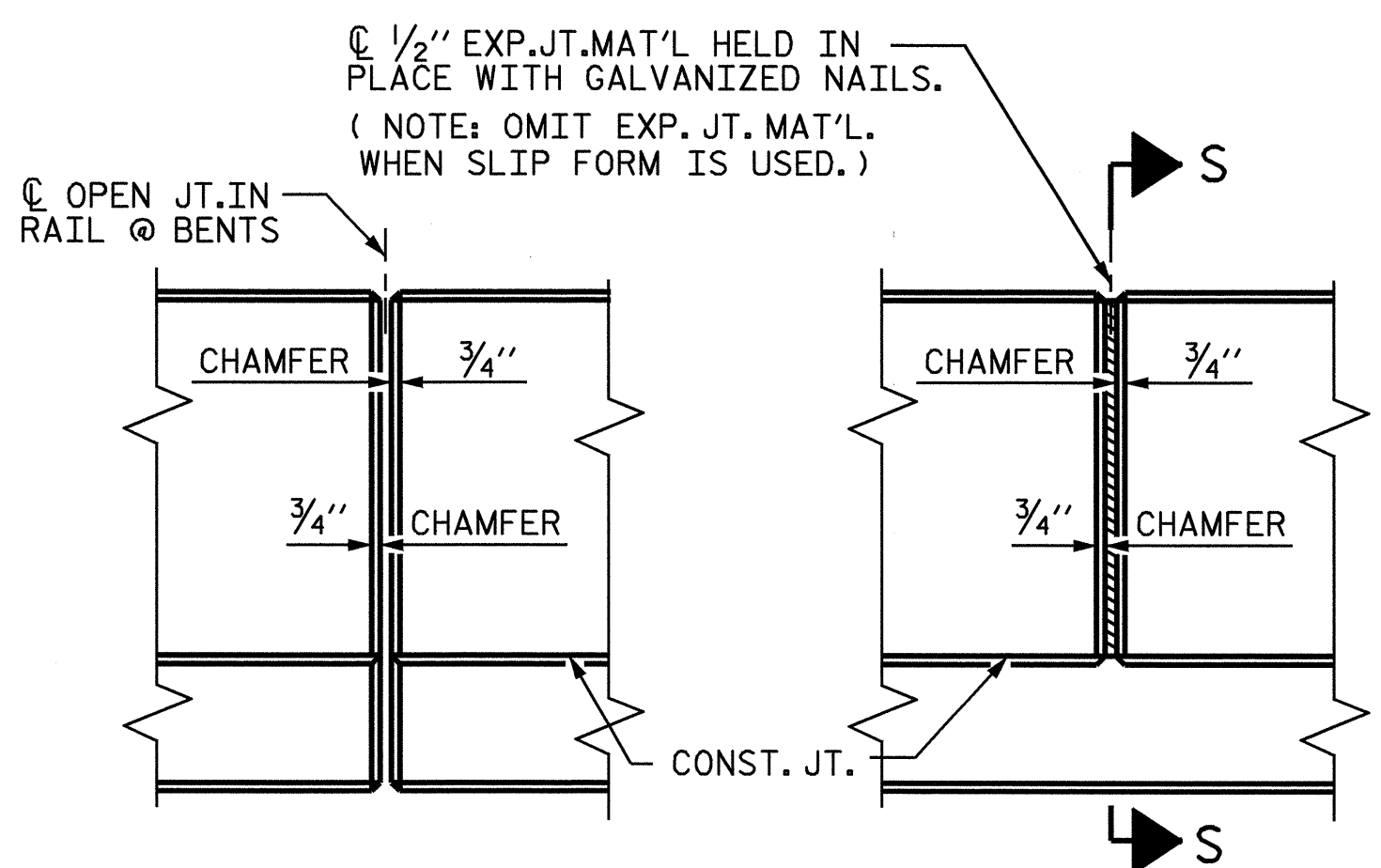
THE BARRIER RAIL IN EACH CONTINUOUS SPAN SHALL NOT BE CAST UNTIL ALL SLAB CONCRETE IN THAT SPAN HAS BEEN CAST AND HAS REACHED A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI.

ALL REINFORCING STEEL IN BARRIER RAILS SHALL BE EPOXY COATED.

VERTICAL 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.

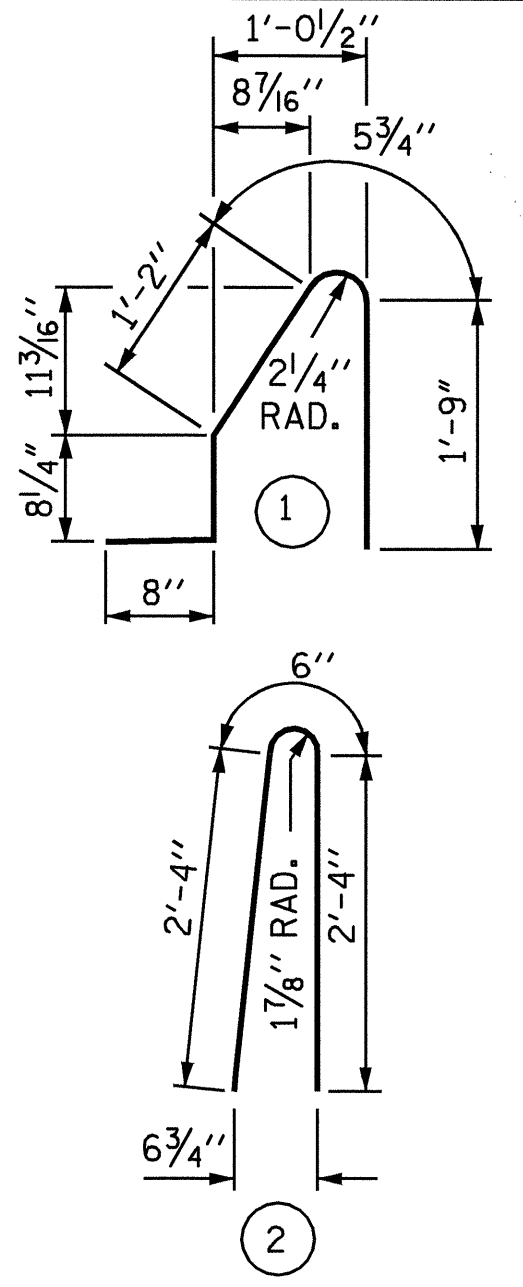


SECTION THRU RAIL



ELEVATION AT EXPANSION JOINTS  
BARRIER RAIL DETAILS

BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT

BILL OF MATERIAL

FOR CONCRETE BARRIER RAIL ONLY

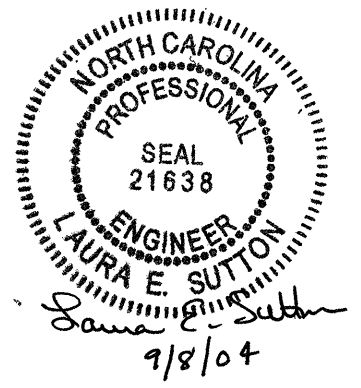
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
* B1	14	#5	STR	23'-1"	337
* B2	42	#5	STR	23'-2"	1015
* B3	168	#5	STR	29'-8"	5198
* B4	56	#5	STR	28'-5"	1660
* B5	70	#5	STR	25'-6"	1862
* B6	28	#5	STR	29'-4"	857
* S1	1516	#5	1	4'-9"	7511
* S2	1516	#5	2	5'-2"	8170
* EPOXY COATED REINFORCING STEEL					26610 LBS.
CLASS AA CONCRETE					151.8 CU. YDS.
CONCRETE BARRIER RAIL					1515.67 LTN. FT.

PROJECT NO. I-4025A  
YADKIN - SURRY COUNTY  
 STATION: 28+95.00 -SBL-

SHEET 2 OF 2

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

NO.			REVISIONS			SHEET NO.		
NO.	BY:	DATE:	NO.	BY:	DATE:	NO.	DATE:	TOTAL SHEETS
1			3			5		34
2			4					78



ASSEMBLED BY : T.A. WALTER	DATE : 6/4/2004
CHECKED BY : M.A. ALLEN	DATE : 7/12/04
DRAWN BY : ARB 5/87	REV. 8/16/99 RWW/LES
CHECKED BY : SJD 9/87	REV. 10/17/00 RWW/LES
	REV. 5/7/03R RWW/JTE