

NOTES

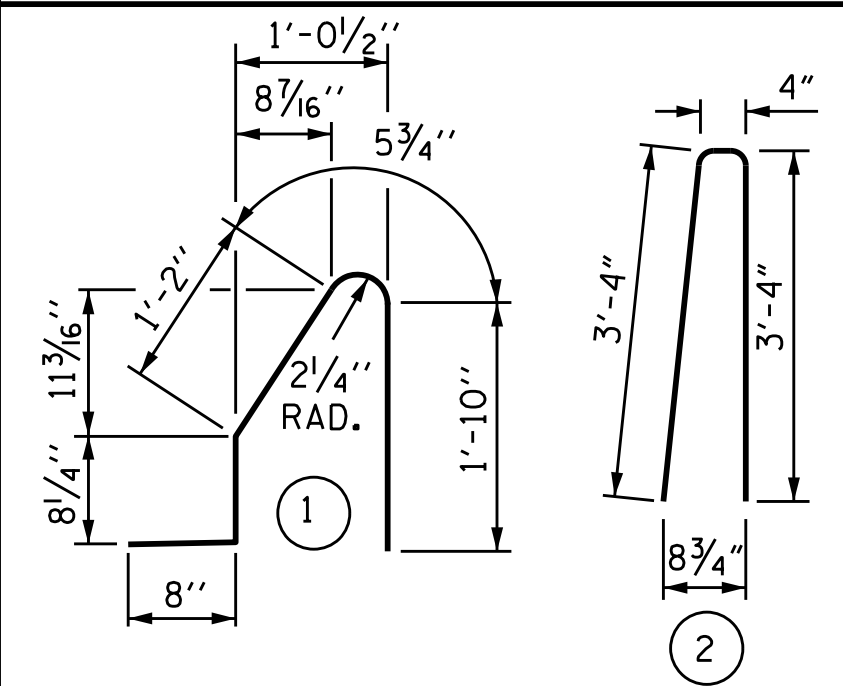
THE BARRIER RAIL IN A CONTINUOUS UNIT SHALL NOT BE CAST UNTIL ALL SLAB CONCRETE IN THAT SPAN HAS BEEN CAST AND HAS REACHED A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI.

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.

PAYMENT FOR THE BARRIER RAIL EXTENSIONS ON THE APPROACH SLABS SHALL BE PAID FOR UNDER PRICE BID FOR LINEAR FEET OF CONCRETE BARRIER RAIL. REINFORCING STEEL AND CONCRETE QUANTITIES ARE INCLUDED WITH THE APPROACH SLAB BILL OF MATERIAL.

BAR TYPES



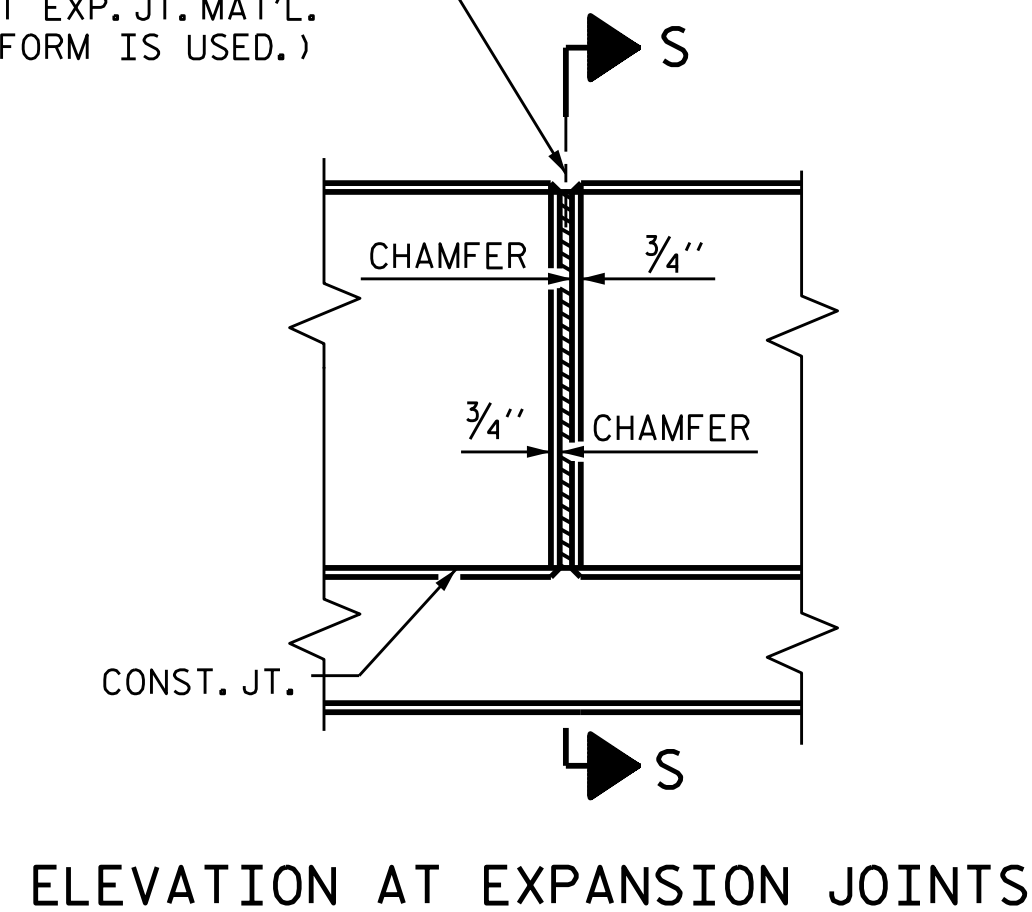
ALL BAR DIMENSIONS ARE OUT TO OUT

BILL OF MATERIAL

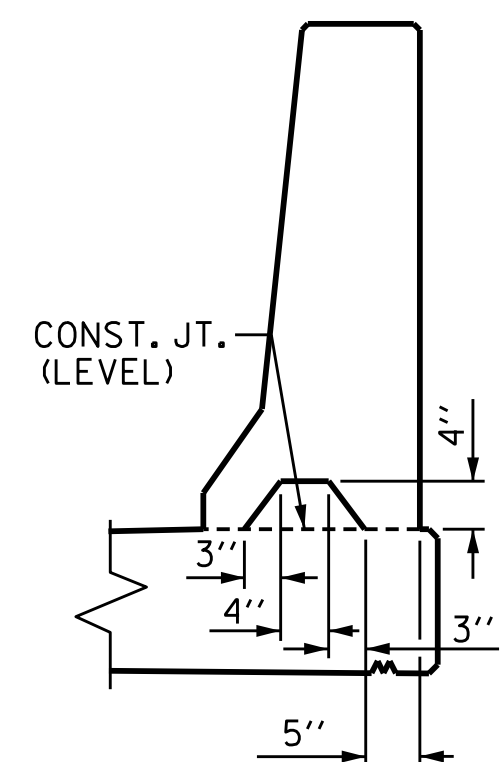
FOR CONCRETE BARRIER RAIL ONLY					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
* B1	44	#5	STR	11'- 5"	524
* B2	110	#5	STR	22'-11"	2629
* B3	264	#5	STR	21'- 3"	5851
* B4	66	#5	STR	23'-11"	1646
* B5	44	#5	STR	25'-10"	1186
* B6	44	#5	STR	15'- 1"	692
* S1	1094	#5	1	4'-10"	5515
* S2	1094	#5	2	7'-0"	7987

\* EPOXY COATED REINFORCING STEEL 26,030 LBS.  
 CLASS AA CONCRETE 154.5 CU. YDS.  
 CONCRETE BARRIER RAIL 1136.77 LIN. FT.

1/2" EXP. JT. MAT'L HELD IN PLACE WITH GALVANIZED NAILS.  
 ( NOTE: OMIT EXP. JT. MAT'L. WHEN SLIP FORM IS USED.)

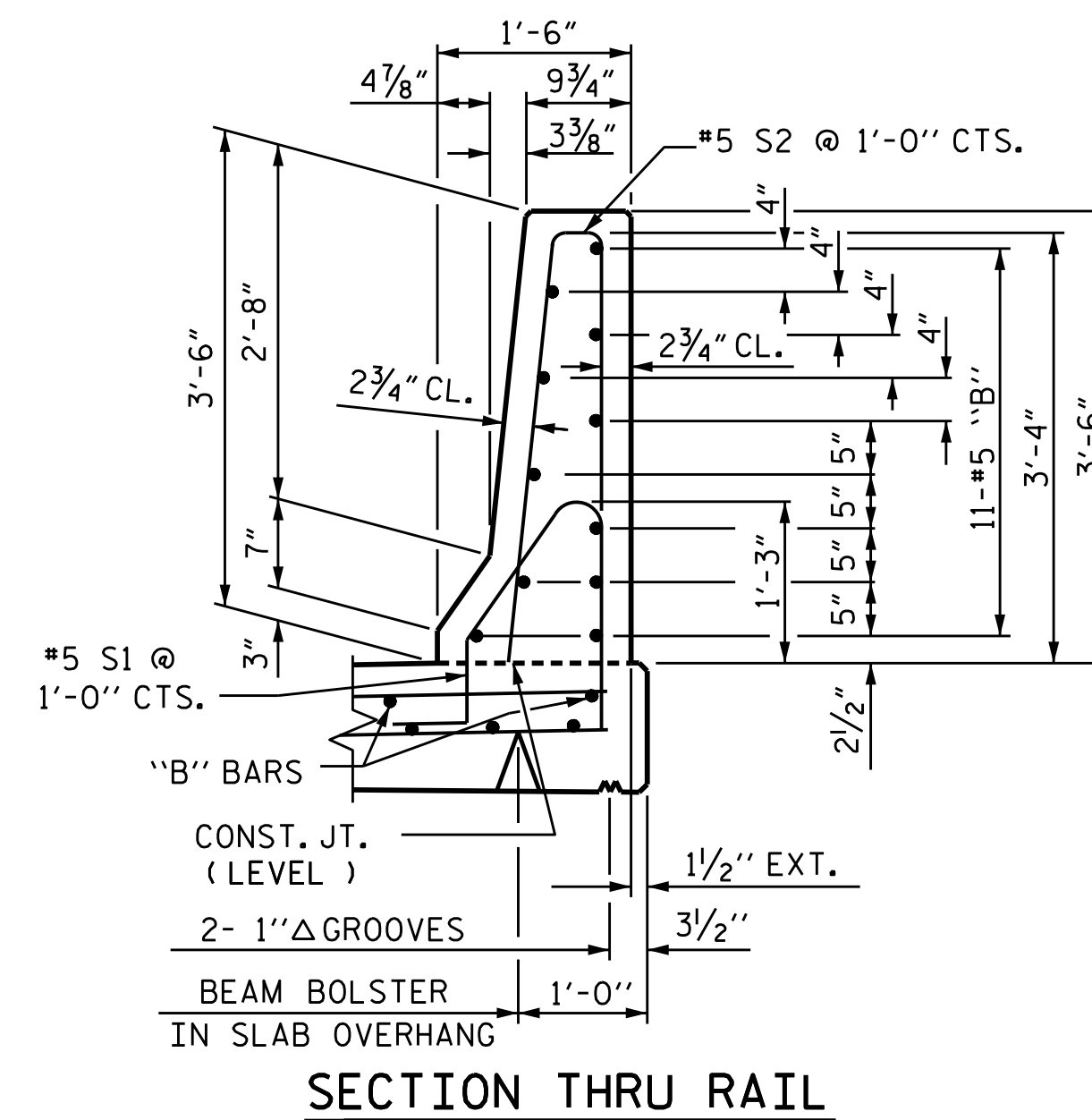


ELEVATION AT EXPANSION JOINTS



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

BARRIER RAIL DETAILS



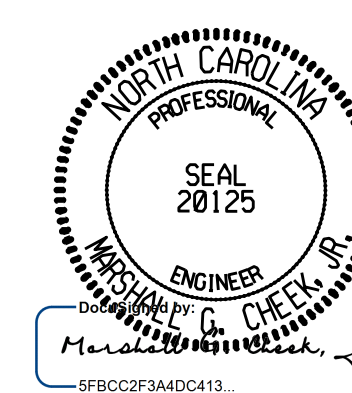
SECTION THRU RAIL

PROJECT NO. B-4786

PITT COUNTY

STATION: 28+03.00 -L-

SHEET 2 OF 2



DOCUMENT NOT CONSIDERED FINAL  
 UNLESS ALL SIGNATURES COMPLETED

TGS ENGINEERS  
 706 HILLSBOROUGH STREET  
 SUITE 200  
 RALEIGH, NC 27603  
 PH (919) 773-8887  
 CORP. LICENSE NO.: C-0275

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

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-30
1			3			TOTAL SHEETS
2			4			57

ASSEMBLED BY : SBW	DATE : 9/18	MAA/GM
CHECKED BY : MGC	DATE : 11-18	MAA/GM
DRAWN BY : ARB 5/87	REV. 7/12	MAA/THC
CHECKED BY : SJD 9/87	REV. 6/13	
	REV. 12/17	