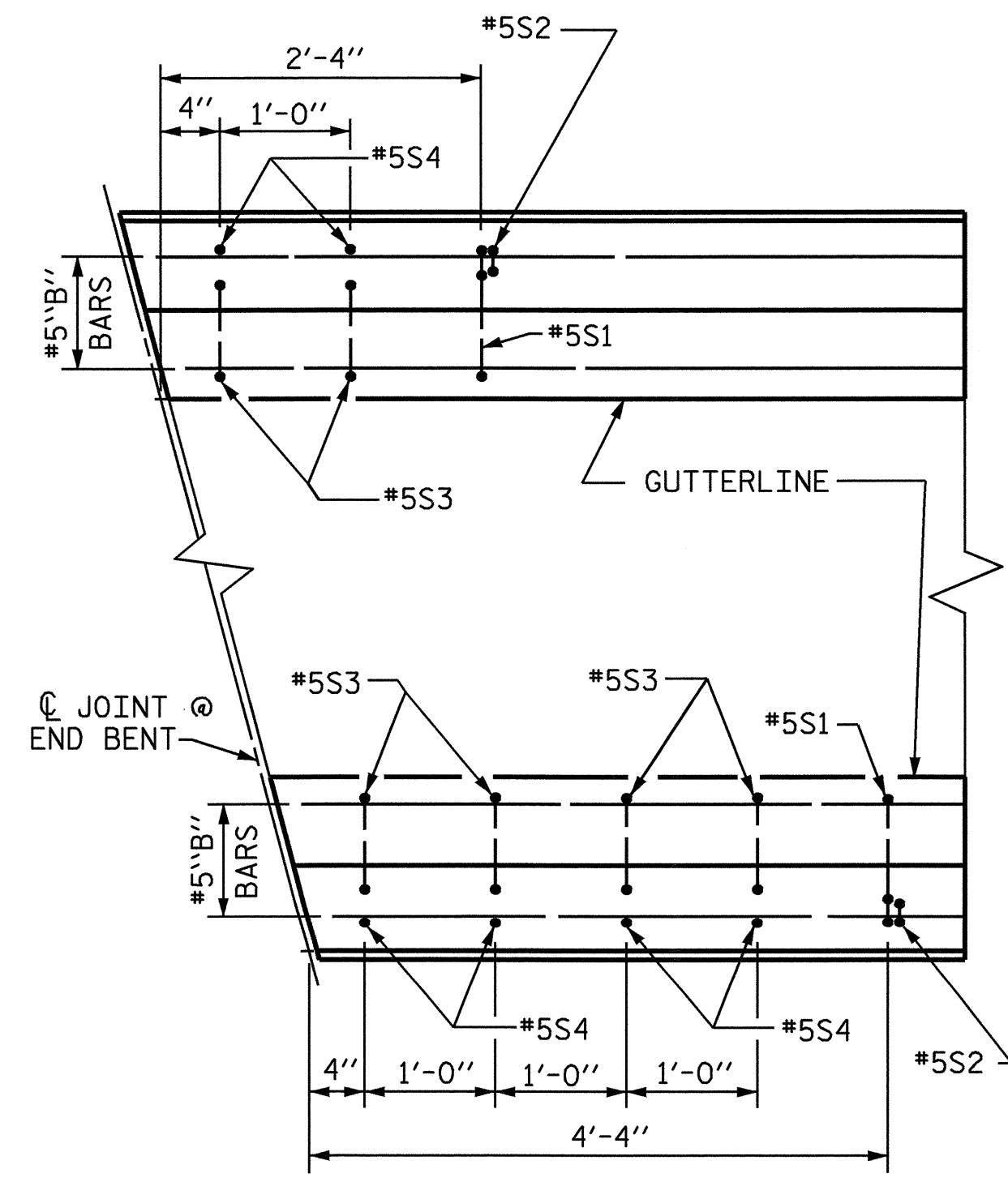
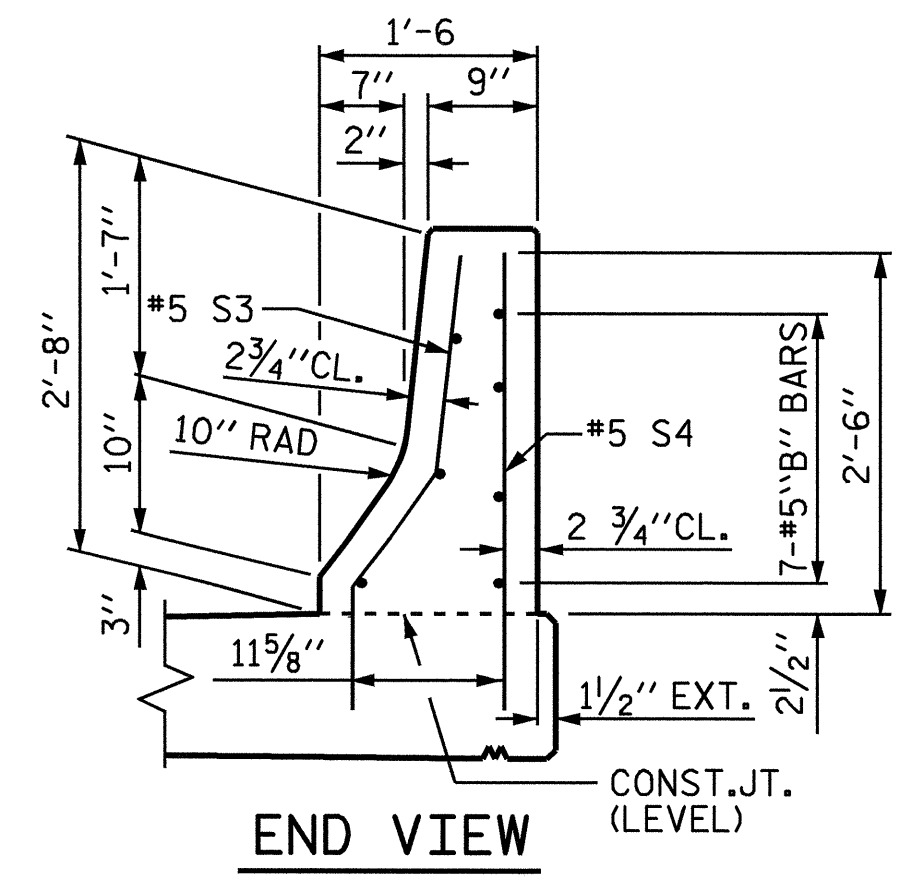


PLAN OF BARRIER RAIL



PLAN



END VIEW

END OF RAIL DETAILS
FOR ADHESIVE ANCHORING AT SAWS JOINTS

NOTES

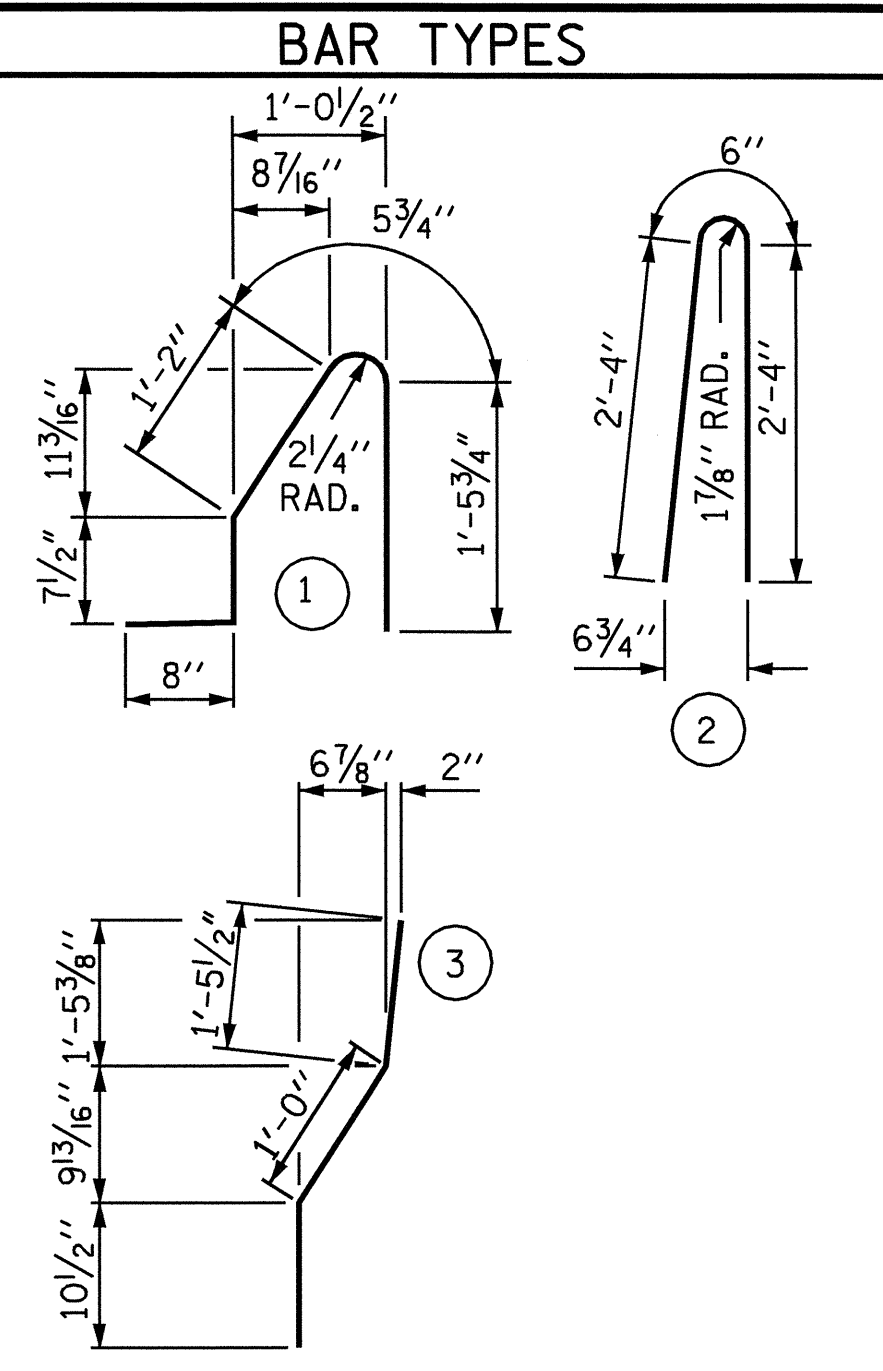
THE BARRIER RAIL IN THE SPAN SHALL NOT BE CAST UNTIL ALL SLAB CONCRETE IN THE SPAN HAS BEEN CAST AND HAS REACHED A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI.

THE JOINT IN THE DECK SHALL BE SAWS PRIOR TO THE CASTING OF BARRIER RAIL.

ALL REINFORCING STEEL IN BARRIER RAILS SHALL BE EPOXY COATED.

THE #5 S3 AND #5 S4 BARS SHALL BE INSTALLED, USING AN ADHESIVE ANCHORING SYSTEM, AFTER SAWS THE JOINT. FOR ADHESIVELY ANCHORED ANCHOR BOLTS OR DOWELS, SEE SPECIAL PROVISIONS. THE YIELD LOAD FOR THE #5 S3 AND #5 S4 BARS IS 18.6 KIPS. FIELD TESTING FOR THE ADHESIVE BONDING SYSTEM IS NOT REQUIRED.

VERTICAL GROOVED CONTRACTION JOINTS, 1/2\"/>

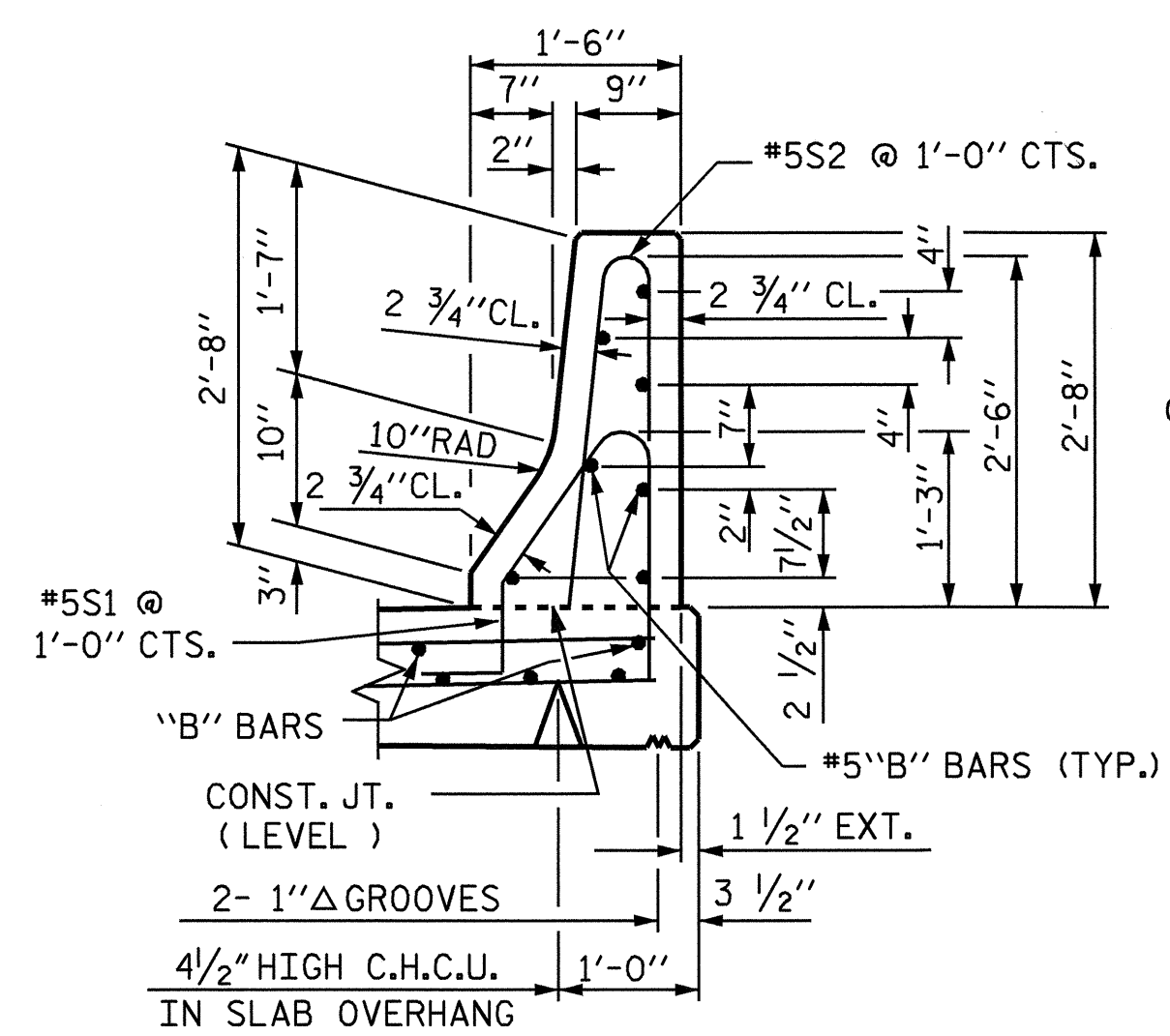


ALL BAR DIMENSIONS ARE OUT TO OUT

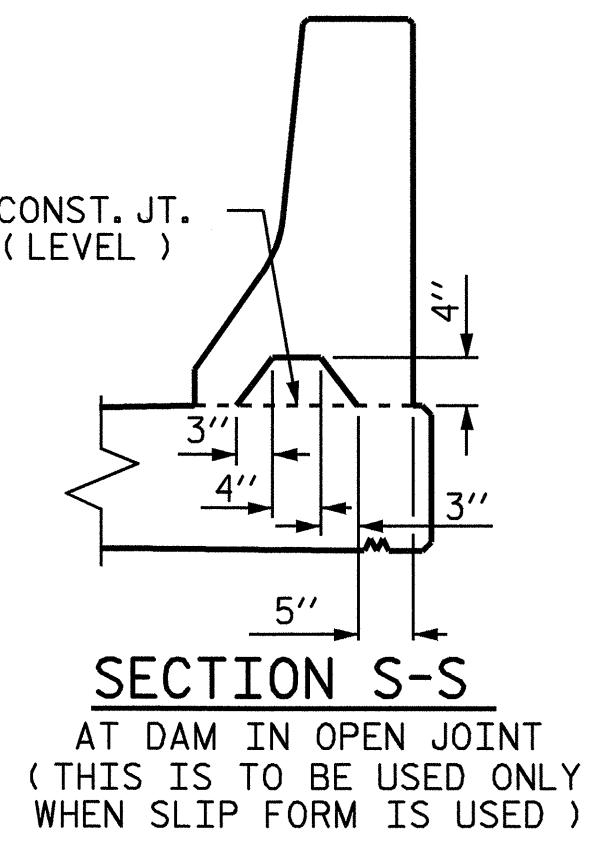
BILL OF MATERIAL

FOR CONCRETE BARRIER RAIL ONLY

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
*S1	206	#5	1	4'-5"	949
*S2	206	#5	2	5'-2"	1110
*S3	12	#5	3	3'-4"	42
*S4	12	#5	STR	3'-2"	40
*B1	56	#5	STR	15'-6"	905
*B2	28	#5	STR	27'-0"	789
* EPOXY COATED REINFORCING STEEL					3835 LBS.
CLASS AA CONCRETE					20.1 CU. YDS.
CONCRETE BARRIER RAIL					219.19 LIN. FT.

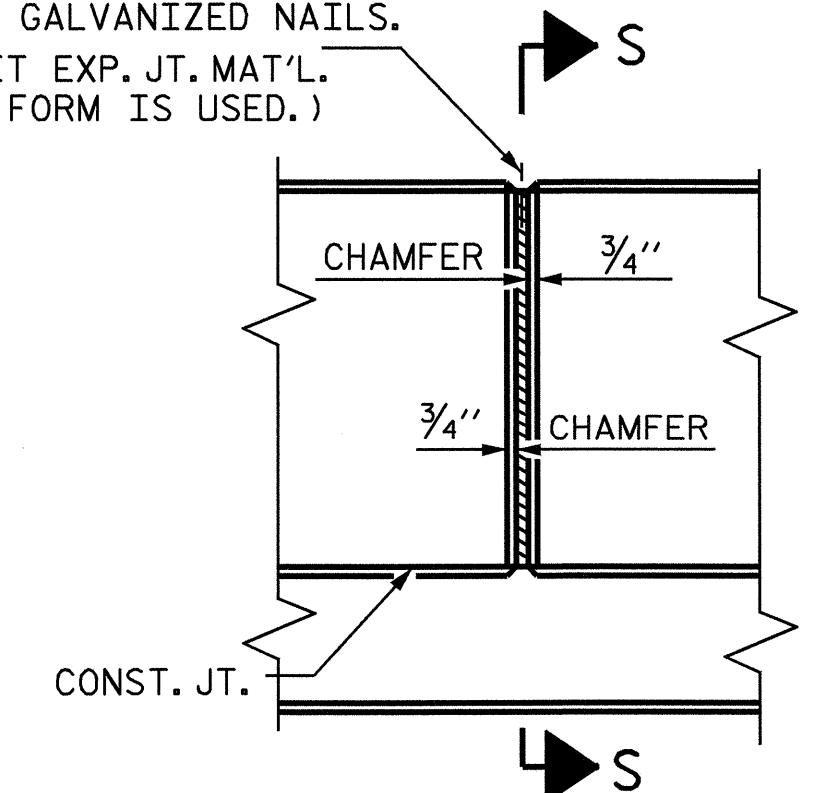


SECTION THRU RAIL



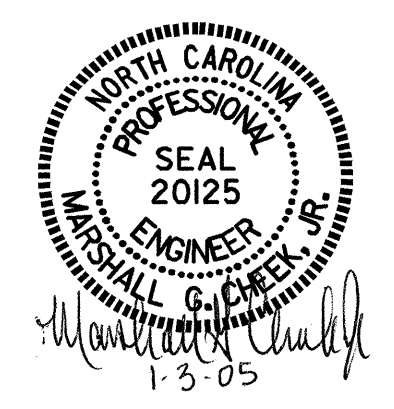
SECTION S-S
AT DAM IN OPEN JOINT
(THIS IS TO BE USED ONLY WHEN SLIP FORM IS USED)

1/2\"/>



ELEVATION AT EXPANSION JOINTS
BARRIER RAIL DETAILS

ASSEMBLED BY : V.X.N./L.L.MURPHY	DATE : 10-04
CHECKED BY : V.X. NGUYEN	DATE : 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



PROJECT NO. B-3300
ASHE COUNTY
 STATION: 17+36.00-L-

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH					
STANDARD CONCRETE BARRIER RAIL					
OCTOBER 1987					
REVISIONS					
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		
					SHEET NO. S-11
					TOTAL SHEETS 23