

NOTES

THE COST OF THE BARRIER RAIL ON THE APPROACH SLAB SHALL BE INCLUDED IN THE LINEAR FOOT CONTRACT PRICE BID FOR "CONCRETE BARRIER RAIL".

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

WHEN FOAM JOINT SEAL IS REQUIRED, THE JOINT IN THE APPROACH SLAB SHALL BE SAWED PRIOR TO THE CASTING OF BARRIER RAIL.

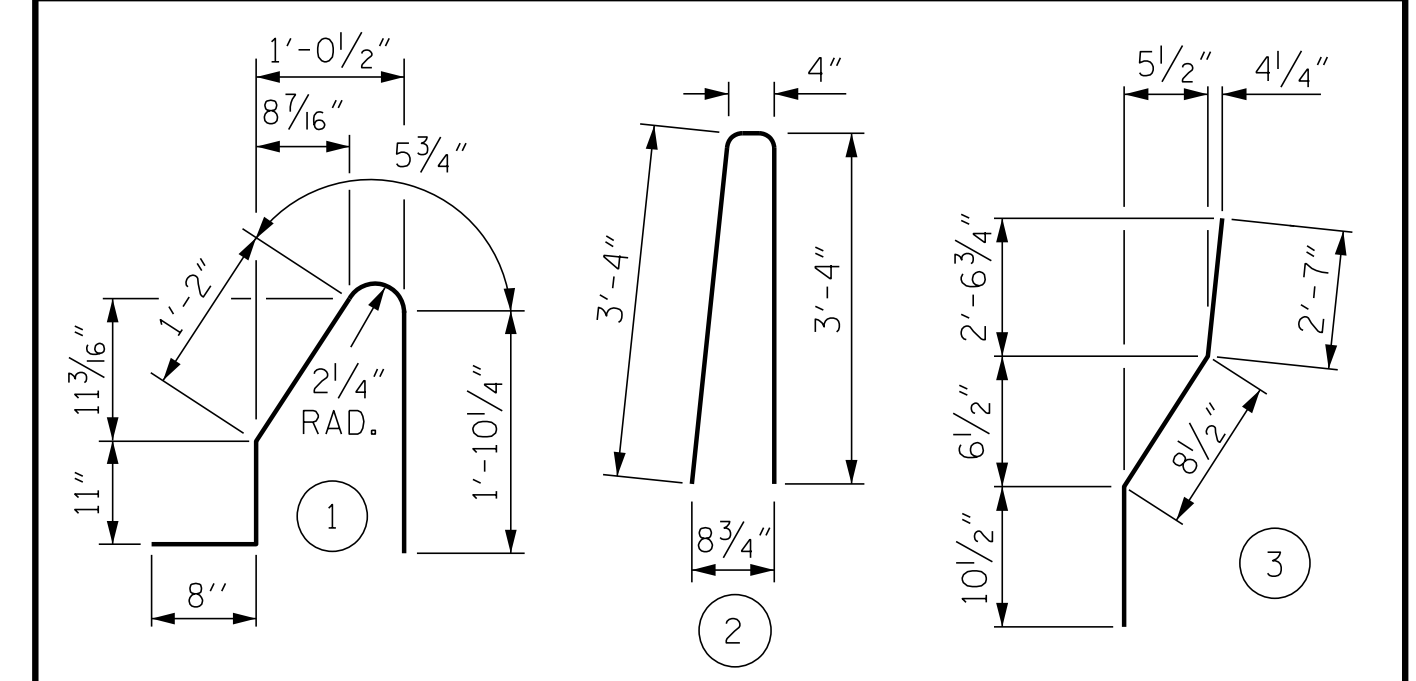
ALL REINFORCING STEEL IN BARRIER RAILS SHALL BE EPOXY COATED.

THE #5 S3 AND S4 BARS SHALL BE INSTALLED, USING AN ADHESIVE ANCHORING SYSTEM, AFTER SAWING THE JOINT. THE YIELD LOAD FOR THE #5 S3 AND S4 BARS IS 18.6 KIPS. FIELD TESTING FOR THE ADHESIVE BONDING SYSTEM IS NOT REQUIRED.

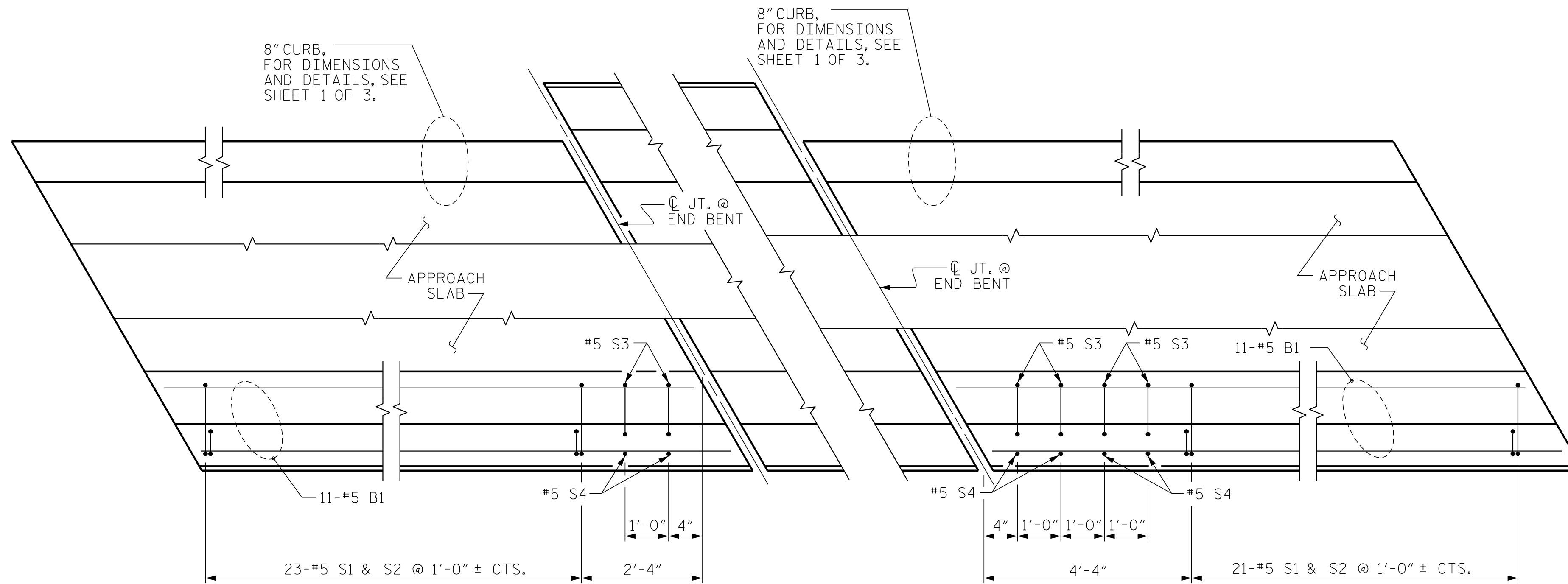
GROOVED CONTRACTION JOINTS, 1/2" IN DEPTH, SHALL BE TOOLED IN ALL EXPOSED FACES OF THE BARRIER RAIL AND IN ACCORDANCE WITH ARTICLE 825-10(B) OF THE STANDARD SPECIFICATIONS. THE CONTRACTION JOINT SHALL BE LOCATED AT THIRD POINTS.

BILL OF MATERIAL					
BARRIER RAIL ONLY					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
*B1	22	#5	STR	24'-7"	564
*S1	44	#5	1	5'-1"	233
*S2	44	#5	2	7'-0"	321
*S3	6	#5	3	4'-2"	26
*S4	6	#5	STR	4'-0"	25
* EPOXY COATED REINFORCING STEEL				LBS.	1,169
CLASS AA CONCRETE				C. Y.	6.8
CONCRETE BARRIER RAIL				50.00 LIN. FT.	

BAR TYPES



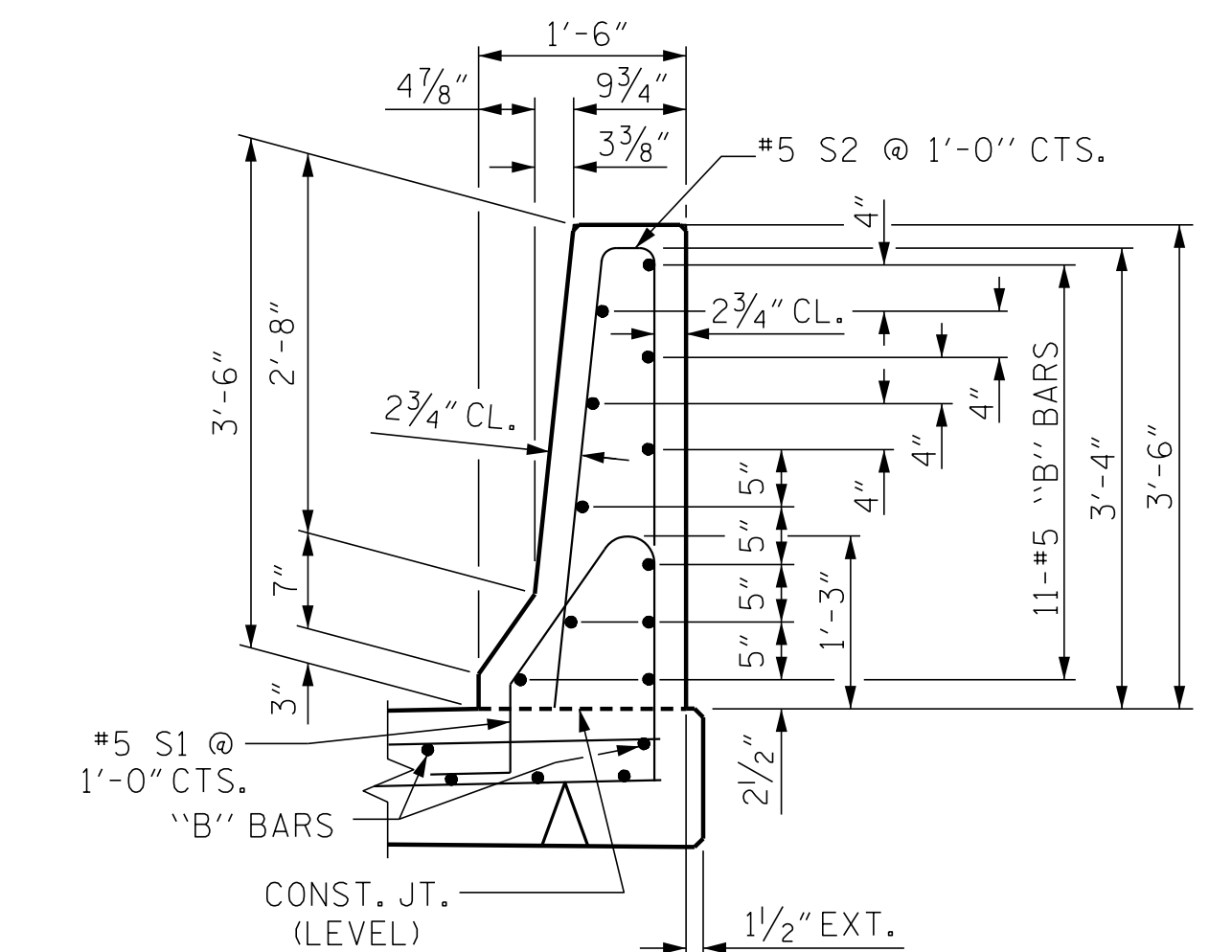
ALL BAR DIMENSIONS ARE OUT TO OUT



END BENT No. 1

END BENT No. 2

PLAN OF BARRIER RAIL



SECTION THRU RAIL

PROJECT NO. W-5600
JOHNSTON COUNTY
 STATION: 217+31.76 -L-

SHEET 2 OF 3

ASSEMBLED BY : D. HODGE	DATE : 1/18
CHECKED BY : B.C. HUNT	DATE : 2/18
DRAWN BY : FCJ 11/88	REV. 7/12 MAA/GM
CHECKED BY : ARB 11/88	REV. 6/13 MAA/GM
	REV. 12/17 MAA/THC

DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED

ENGINEER OF RECORD:
 3/25/2019

 Gregory M. Olland
 WETHERILL ENGINEERING
 1223 Jones Franklin Rd.
 Raleigh, N.C. 27606
 Bus: 919 851 8077
 Fax: 919 851 8107
 LICENSE NO. F-0377

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH					
STANDARD BRIDGE APPROACH SLAB DETAILS (LEFT LANE)					
REVISIONS					
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		
					SHEET NO. S1-26
					TOTAL SHEETS 27