

NOTES

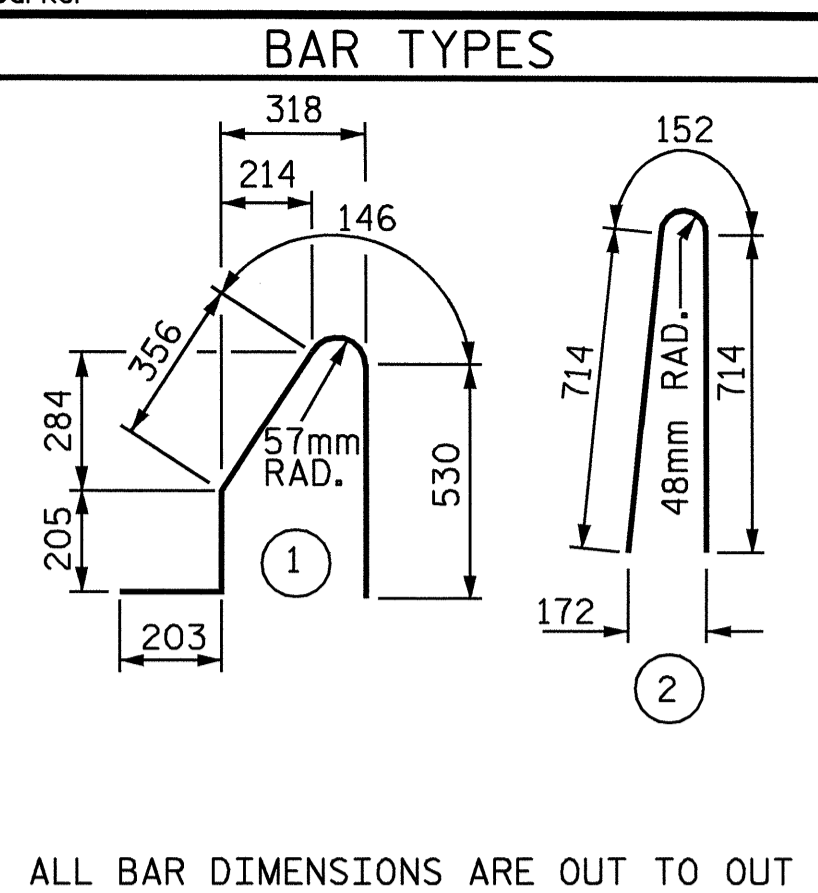
THE BARRIER RAIL IN EACH SPAN SHALL NOT BE CAST UNTIL ALL SLAB CONCRETE IN THAT SPAN HAS BEEN CAST AND HAS REACHED A MINIMUM COMPRESSIVE STRENGTH OF 20.7 MPa.

ALL REINFORCING STEEL IN BARRIER RAILS SHALL BE EPOXY COATED.

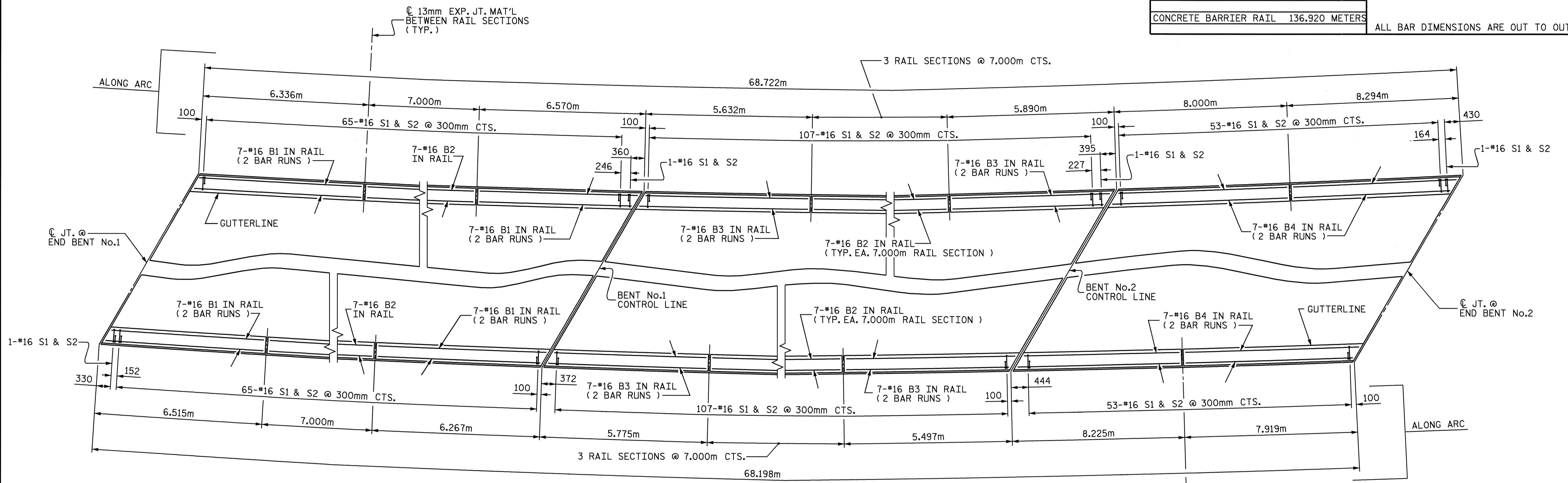
VERTICAL GROOVED CONTRACTION JOINTS, 12mm IN DEPTH, SHALL BE TOOLED IN ALL EXPOSED FACES OF THE BARRIER RAIL AND IN ACCORDANCE WITH ARTICLE 825-10(B) OF THE STANDARD SPECIFICATIONS. A JOINT SHALL BE LOCATED AT EACH THIRD POINT BETWEEN BARRIER RAIL EXPANSION JOINTS. ONLY ONE JOINT IS REQUIRED AT MIDPOINT OF BARRIER RAIL SEGMENTS LESS THAN 6.100m IN LENGTH AND NO JOINTS ARE REQUIRED FOR THOSE SEGMENTS LESS THAN 3.500m IN LENGTH.

*16 S1 BARS MAY BE SHIFTED SLIGHTLY IN ORDER TO MAINTAIN A 50mm MINIMUM CLEARANCE TO THE 13mm EXPANSION JOINT MATERIAL BETWEEN RAIL SECTIONS.

BILL OF MATERIAL					
FOR CONCRETE BARRIER RAIL ONLY					
BAR	No.	SIZE	TYPE	LENGTH	WEIGHT
* S1	454	#16	1	1440	1015
* S2	454	#16	2	1580	1113
* B1	56	#16	STR.	3760	327
* B2	56	#16	STR.	6880	598
* B3	56	#16	STR.	3420	297
* B4	56	#16	STR.	4620	402
* EPOXY COATED REINFORCING STEEL				3,752	kg
CLASS AA CONCRETE				34.4	m ³
CONCRETE BARRIER RAIL				136.920	METERS

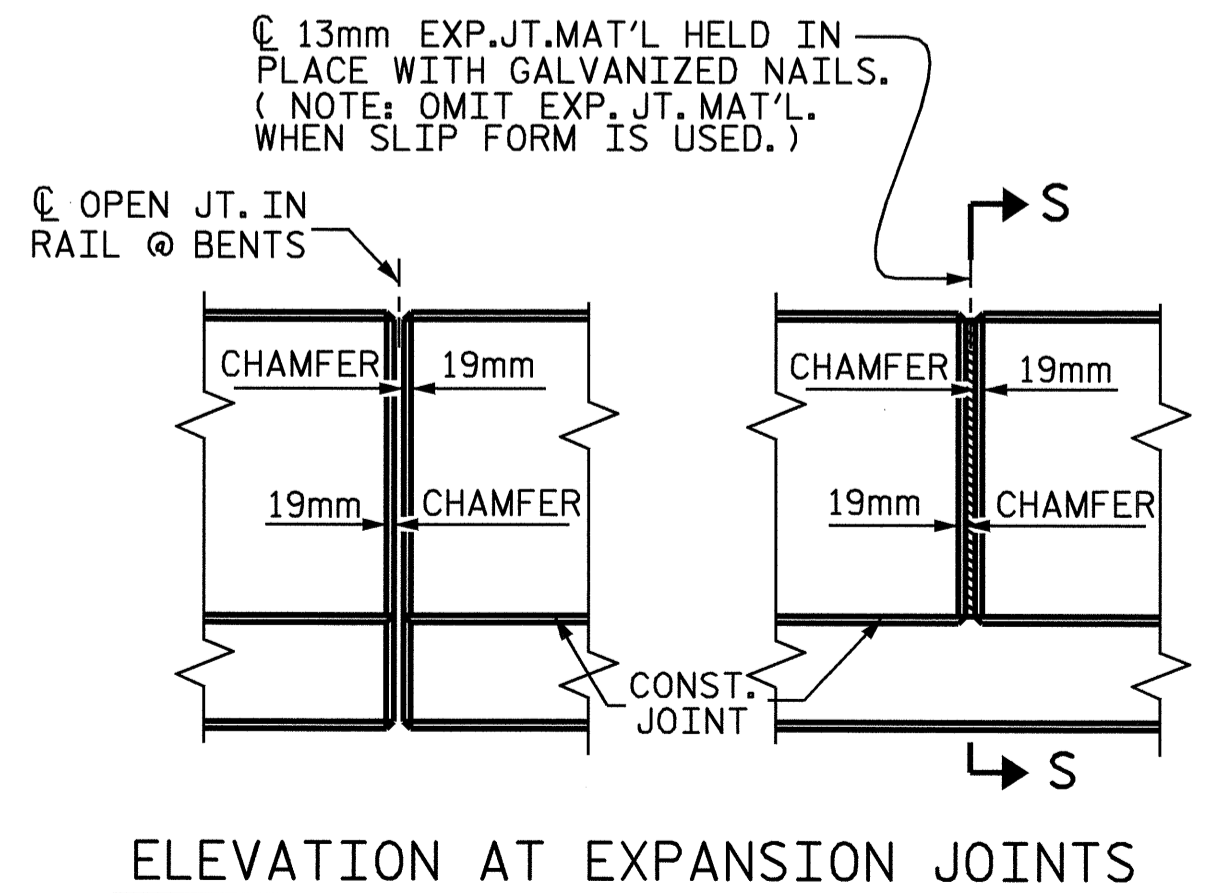


ALL BAR DIMENSIONS ARE OUT TO OUT

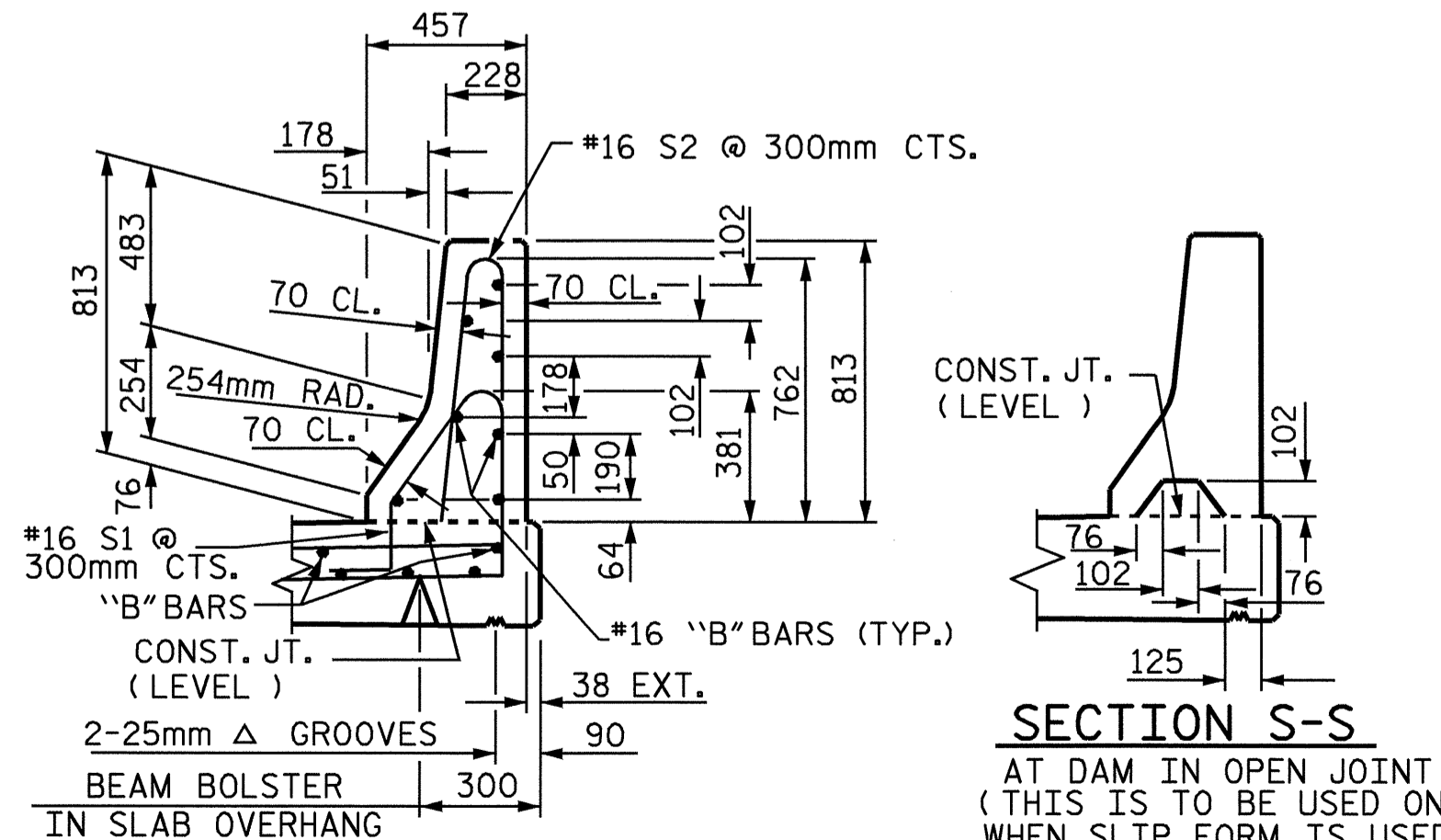


PLAN OF BARRIER RAIL

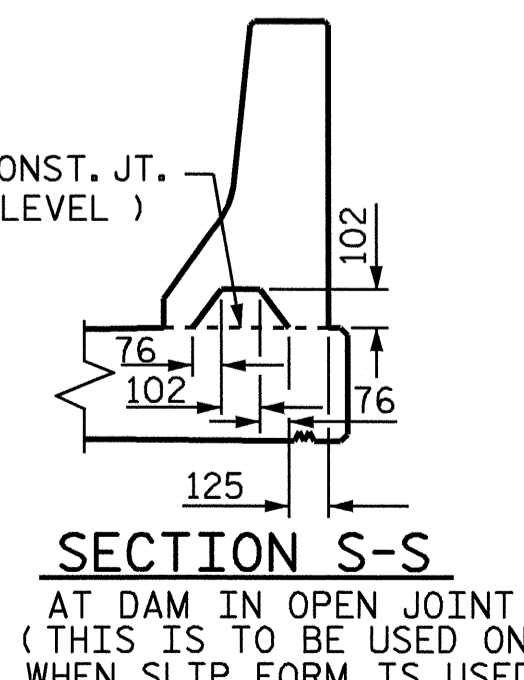
ALL DIMENSIONS ARE TAKEN ALONG OUTSIDE EDGE OF SUPERSTRUCTURE



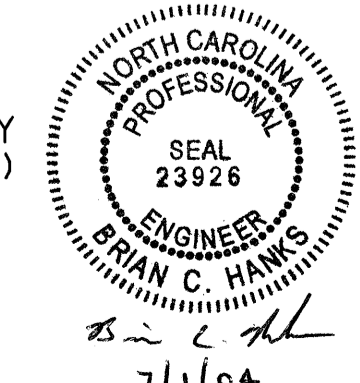
ELEVATION AT EXPANSION JOINTS



SECTION THRU RAIL



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



PROJECT NO. B-1019
ANSON COUNTY
 STATION: 14+94.156 -L-

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

ASSEMBLED BY : MIKE BRITT/KWA	DATE : 10-28-02
CHECKED BY : W.C. CARTER	DATE : 11-03
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

BARRIER RAIL DETAILS

REVISIONS					
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		

SHEET NO. S-18
 TOTAL SHEETS 35

STD. No. CBR1SM