

BAR TYPES

ALL BAR DIMENSIONS ARE OUT TO OUT

BILL OF MATERIAL
FOR CONCRETE BARRIER RAIL ONLY

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
* S1	440	#16	1	1400	956
* S2	440	#16	2	1580	1079
* B1	49	#16	STR	7000	532
* B2	49	#16	STR	7200	548
* B3	7	#16	STR	6740	73
* B4	7	#16	STR	6700	73
* B5	7	#16	STR	7000	76
* B6	7	#16	STR	6720	73

* EPOXY COATED REINFORCING STEEL 3410 kg

CLASS AA CONCRETE 32.3 CU. METER

CONCRETE BARRIER RAIL 128.759 METERS

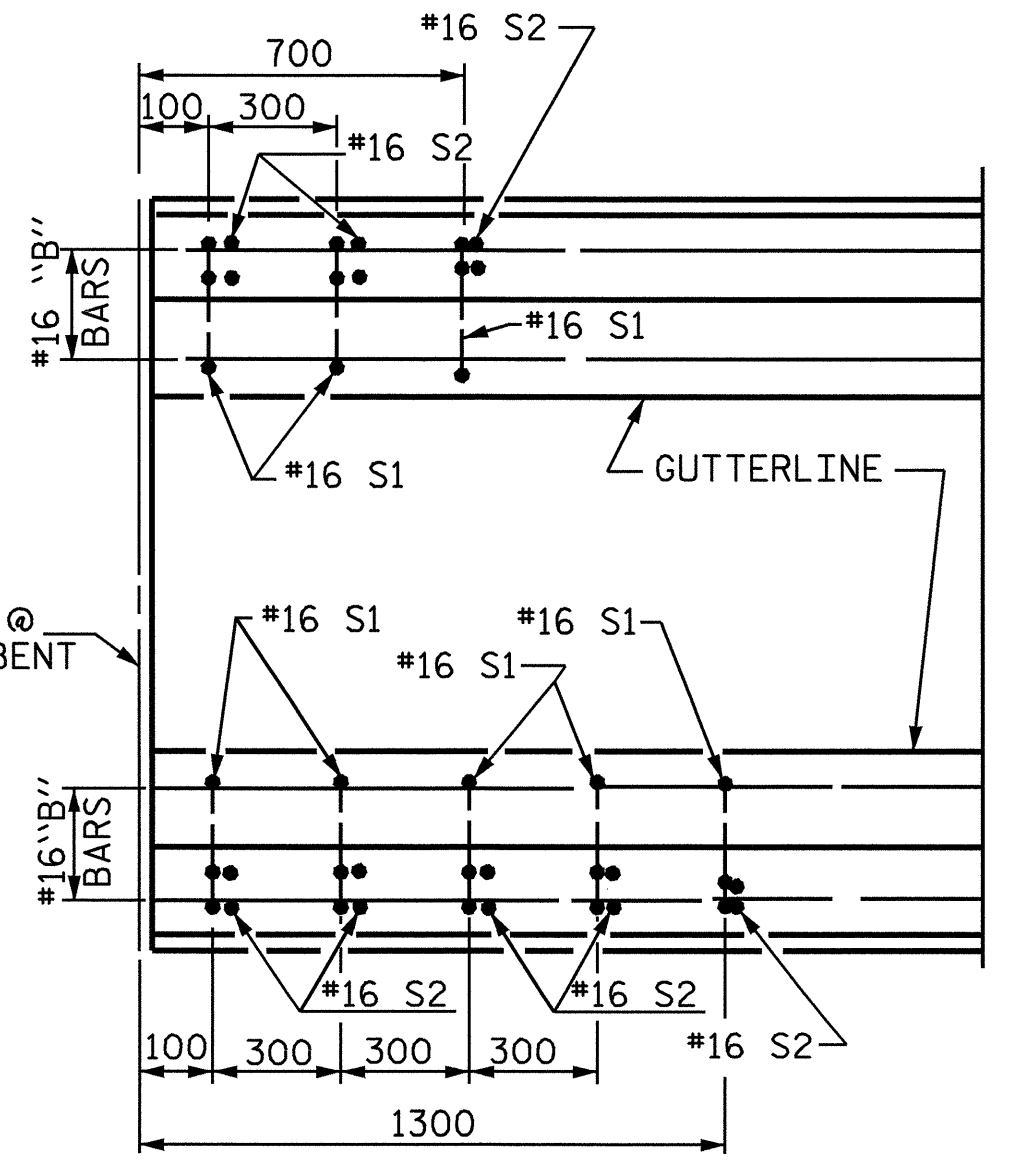
NOTES

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

ALL REINFORCING STEEL IN BARRIER RAILS SHALL BE EPOXY COATED.

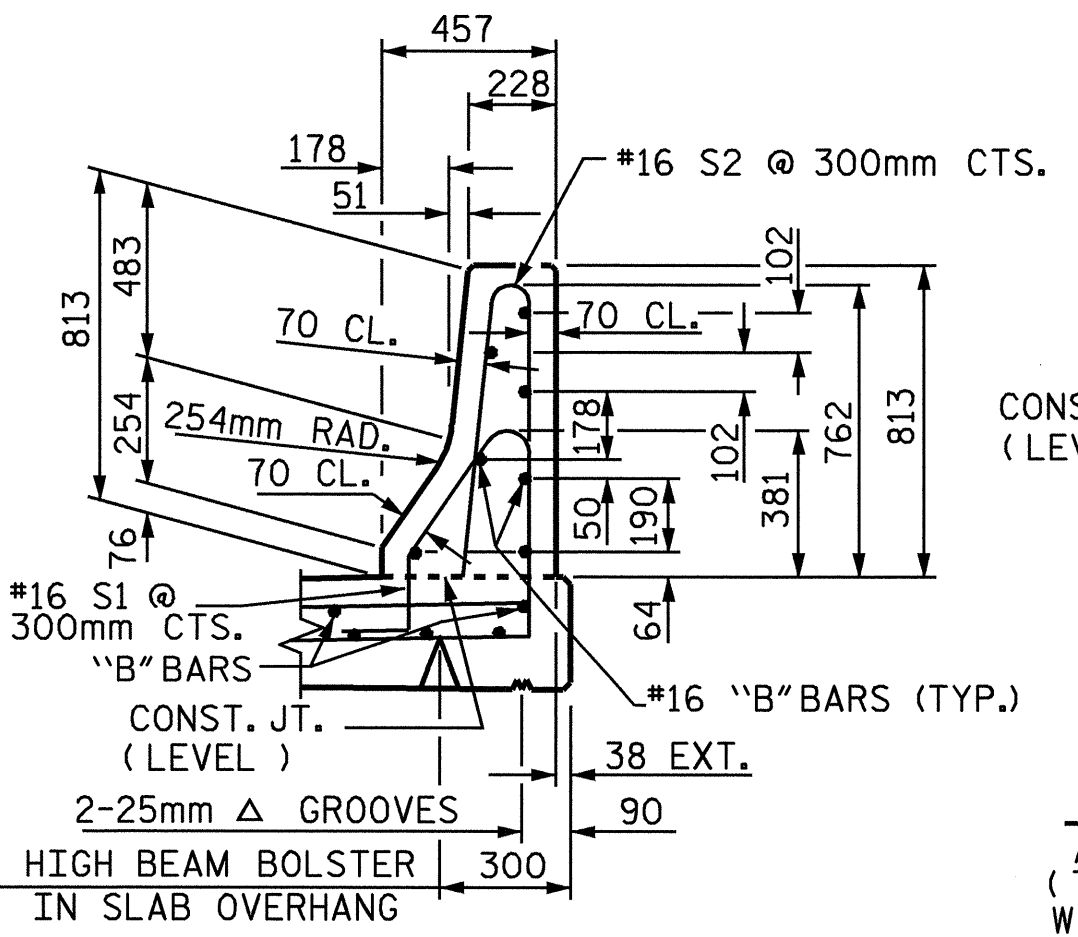
VERTICAL GROOVED CONTRACTION JOINTS, 12mm IN DEPTH, SHALL BE TOOLED IN ALL EXPOSED FACES OF THE BARRIER RAIL AND IN ACCORDANCE WITH ARTICLE 825-10(B) OF THE STANDARD SPECIFICATIONS. THE CONTRACTION JOINT SHALL BE LOCATED AT EACH THIRD POINT BETWEEN BARRIER RAIL EXPANSION JOINTS. ONLY ONE CONTRACTION JOINT IS REQUIRED AT MIDPOINT OF BARRIER RAIL SEGMENTS LESS THAN 6.1m IN LENGTH AND NO CONTRACTION JOINTS ARE REQUIRED FOR THOSE SEGMENTS LESS THAN 3.5m IN LENGTH.

PLAN

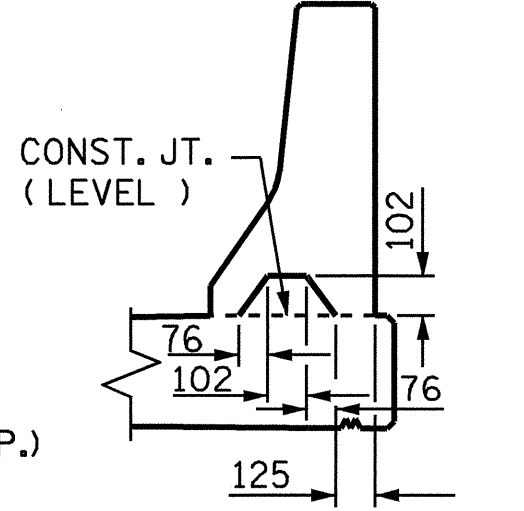


PLAN

END OF RAIL DETAILS
FOR END VIEW SEE BARRIER RAIL DETAILS

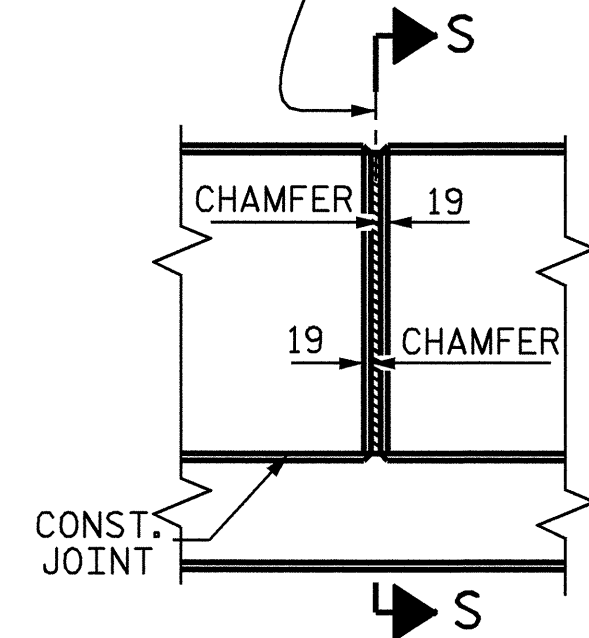


SECTION THRU RAIL



ELEVATION AT EXPANSION JOINTS
BARRIER RAIL DETAILS

© 13mm EXP. JT. MAT'L HELD IN PLACE WITH GALVANIZED NAILS. (NOTE: OMIT EXP. JT. MAT'L. WHEN SLIP FORM IS USED.)



PROJECT NO. R-2562C
BLADEN COUNTY
STATION: 178+79.500 -L- REV

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

STANDARD CONCRETE BARRIER RAIL (RIGHT LANE)



REVISIONS						SHEET NO.	
NO.	BY:	DATE:	NO.	BY:	DATE:	S-49	
1			3			TOTAL SHEETS	68
2			4				

ASSEMBLED BY :	J. G. KHARVA	DATE :	06/14/04
CHECKED BY :	E. I. OMLE	DATE :	08/24/04
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