

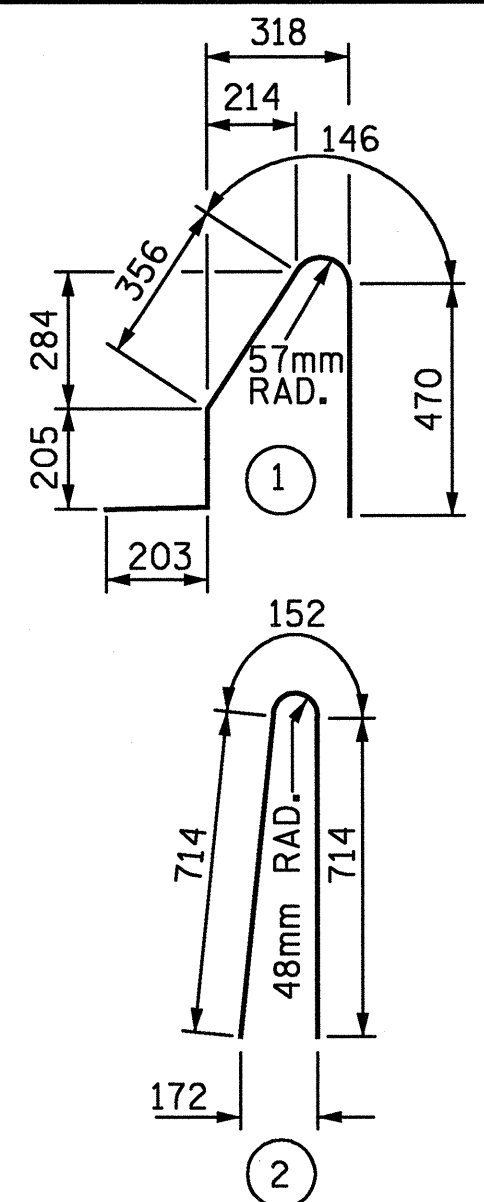
NOTES

THE BARRIER RAIL IN EACH UNIT SHALL NOT BE CAST UNTIL ALL SLAB CONCRETE IN THAT 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.

BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT.

BILL OF MATERIAL

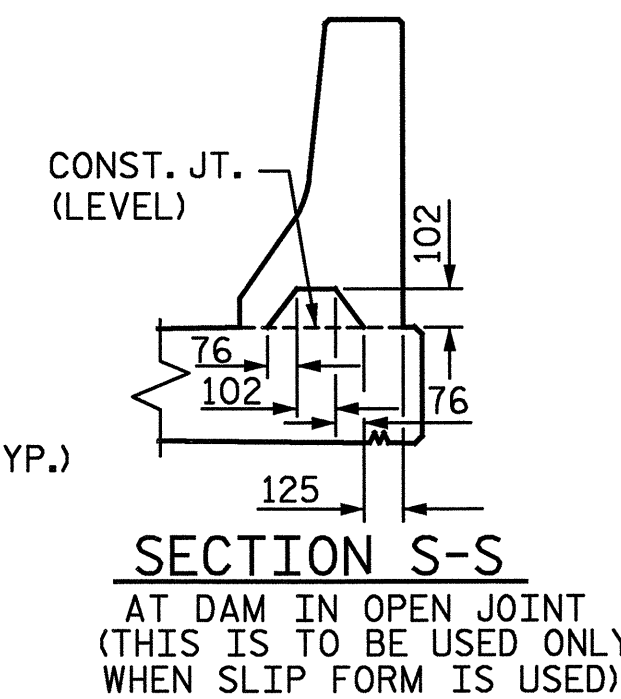
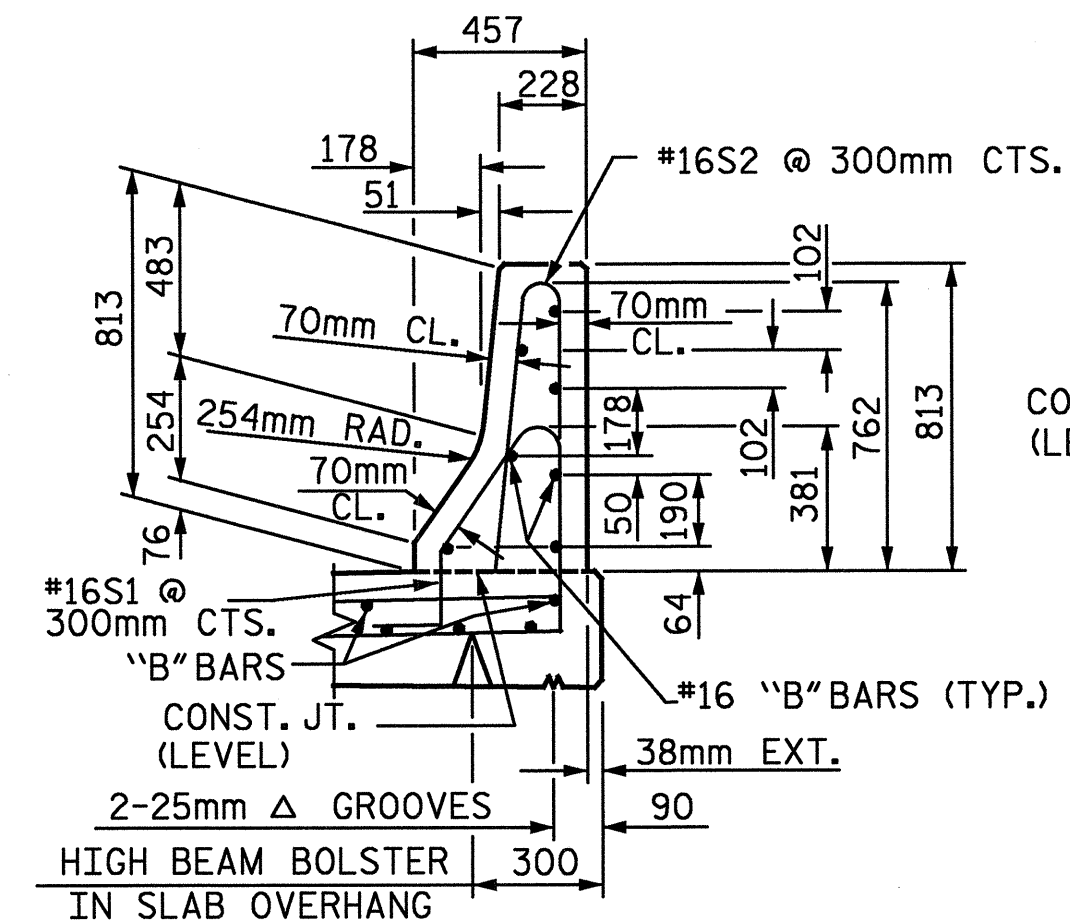
FOR CONCRETE BARRIER RAIL ONLY

BAR	NO.	SIZE	TYPE	LENGTH (mm)	MASS (kg)
*B1	140	#16	STR.	7,280	1,582
*B2	28	#16	STR.	4,500	196
*B3	28	#16	STR.	4,280	186
*S1	593	#16	(1)	1,380	1,270
*S2	593	#16	(2)	1,580	1,454

EPOXY COATED REINFORCING STEEL	4,688 kg
CLASS AA CONCRETE	44.8 CU. METER
CONCRETE BARRIER RAIL	178.472 METERS

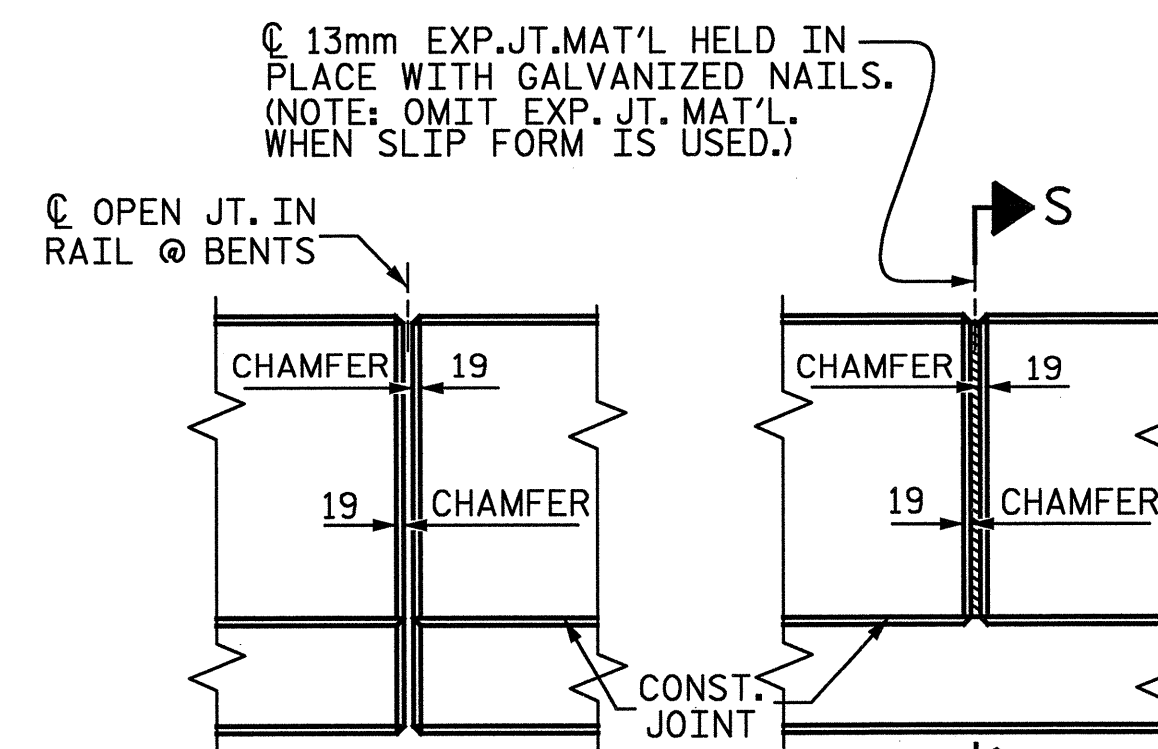
* DENOTES EPOXY COATED REINFORCING STEEL.

FOR PLAN, SEE SHEET 2 OF 2.



SECTION THRU RAIL

SECTION S-S



ELEVATION AT EXPANSION JOINTS
BARRIER RAIL DETAILS

PROJECT NO. R-2552C
JOHNSTON COUNTY
 STATION: POT 148+08.446 -L2-
POT 23+96.446 -Y4-

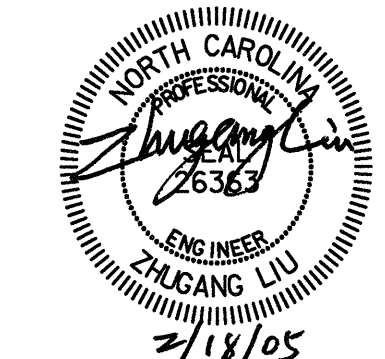
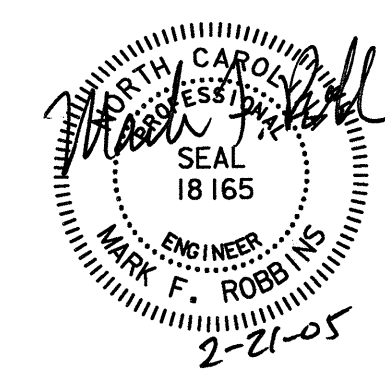
SHEET 1 OF 2

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

STANDARD

CONCRETE
 BARRIER RAIL
 -RIGHT LANE-

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-375
1			3			TOTAL SHEETS
2			4			431



D-1750.18

STD. No. CBR1SM

ASSEMBLED BY : WBS, LGH	DATE : 11-04
CHECKED BY : TVR	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

02/17/2005 04:55:50 PM n:\p\p\1\309-200\ustation\struct\final\309-200_cbr_ldgn david.looney