

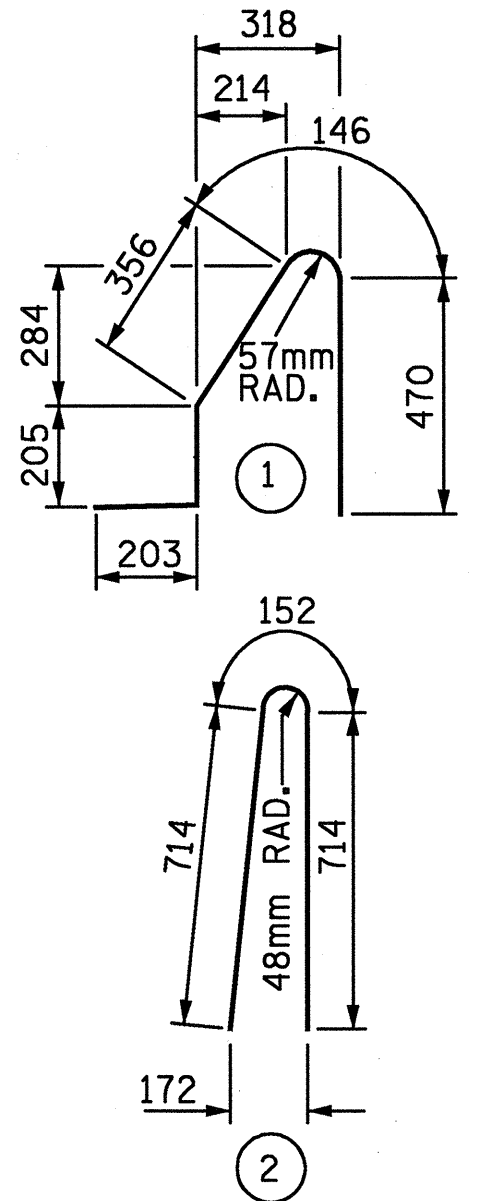
NOTES

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

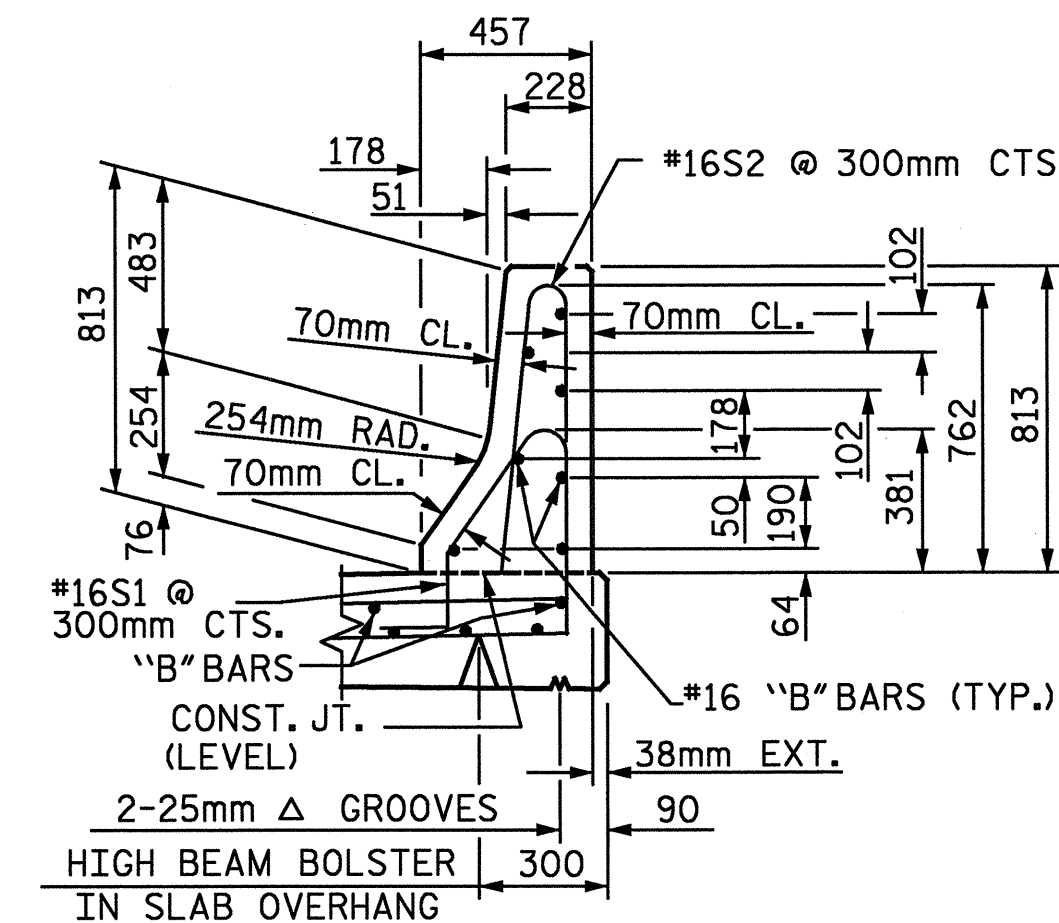
FOR CONCRETE BARRIER RAIL ONLY

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.	4,260	185
*S1	592	*16	①	1,380	1,268
*S2	592	*16	②	1,580	1,452

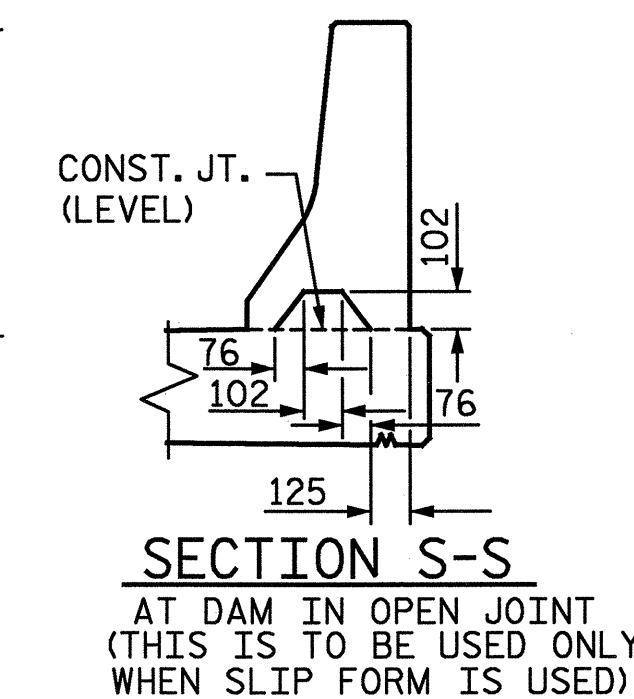
EPOXY COATED REINFORCING STEEL	4,683 kg
CLASS AA CONCRETE	44.7 CU. METER
CONCRETE BARRIER RAIL	178.164 METERS

* DENOTES EPOXY COATED REINFORCING STEEL.

FOR PLAN, SEE SHEET 2 OF 2.

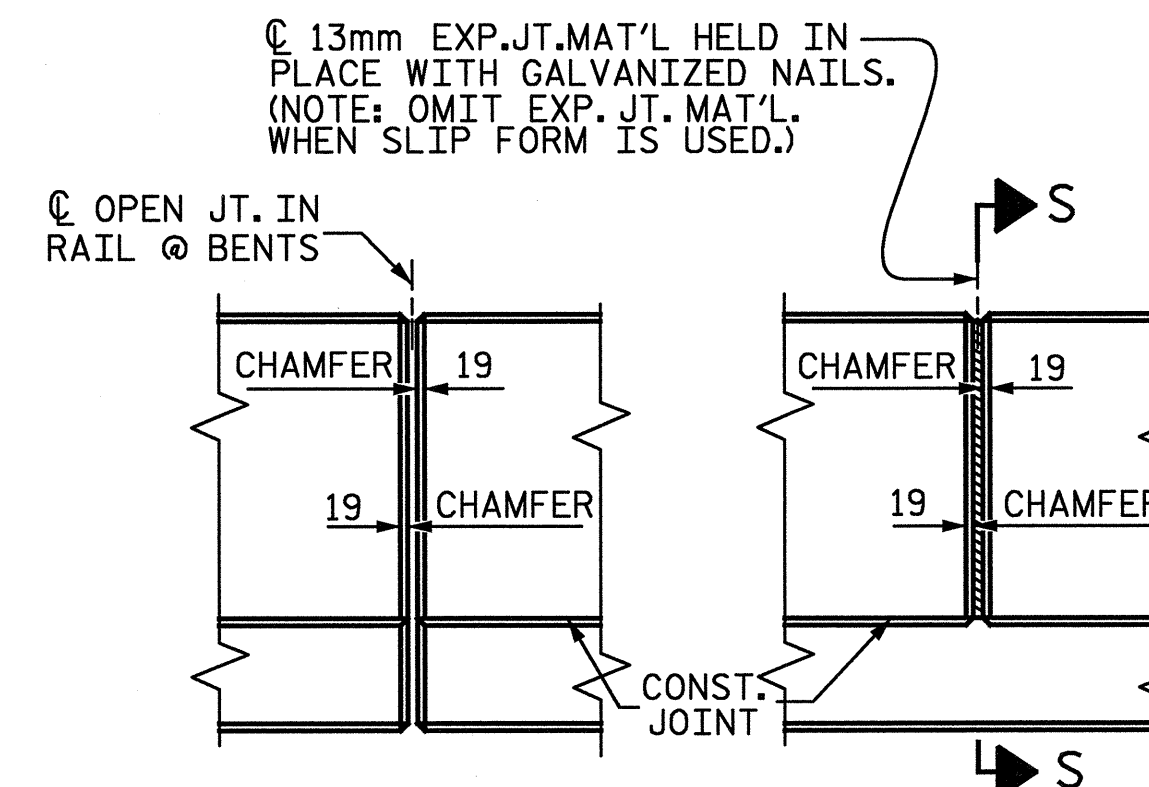


SECTION THRU RAIL



SECTION S-S

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



**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

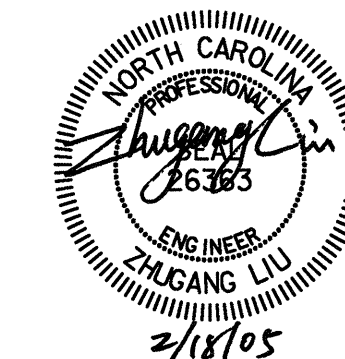
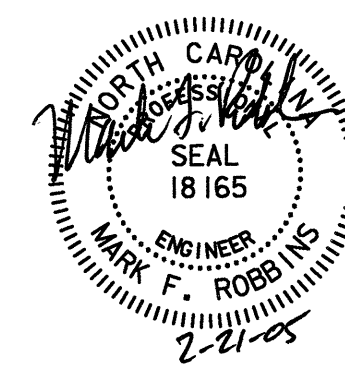
STANDARD

CONCRETE
BARRIER RAIL
-LEFT LANE-

REVISIONS

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

SHEET NO.
5-338
TOTAL SHEETS
431



D-1749.17

STD. No. CBRISM

ASSEMBLED BY : WBS, LGH	DATE : 8-04
CHECKED BY : TVR	DATE : 8-04
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