

NOTES

CONST. JT. -(LEVEL)

SECTION S-S

AT DAM IN OPEN JOINT

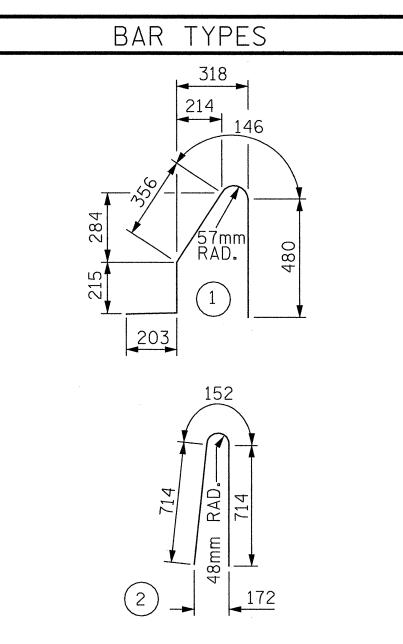
(THIS IS TO BE USED ONLY WHEN SLIP FORM IS USED)

THE BARRIER RAIL IN A CONTINUOUS UNIT 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.

WHEN USING ARMORED EVAZOTE JOINT SEAL, THE JOINT IN THE DECK SHALL BE FORMED PRIOR TO THE CASTING OF BARRIER RAIL.

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 6.1m IN LENGTH AND NO JOINTS ARE REQUIRED FOR THOSE SEGMENTS LESS THAN 3.5m IN LENGTH.



ALL BAR DIMENSIONS ARE OUT TO OUT

BILL OF MATERIAL						
FOR	FOR CONCRETE BARRIER RAIL ONLY					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	
∗ B1	28	#16	STR	3580	156	
∗ B2	84	#16	STR	7080	923	
∗ B3	28	#16	STR	4120	179	
* S1	374	#16	1	1400	813	
* S2	374	#16	2	1580	917	
		1				

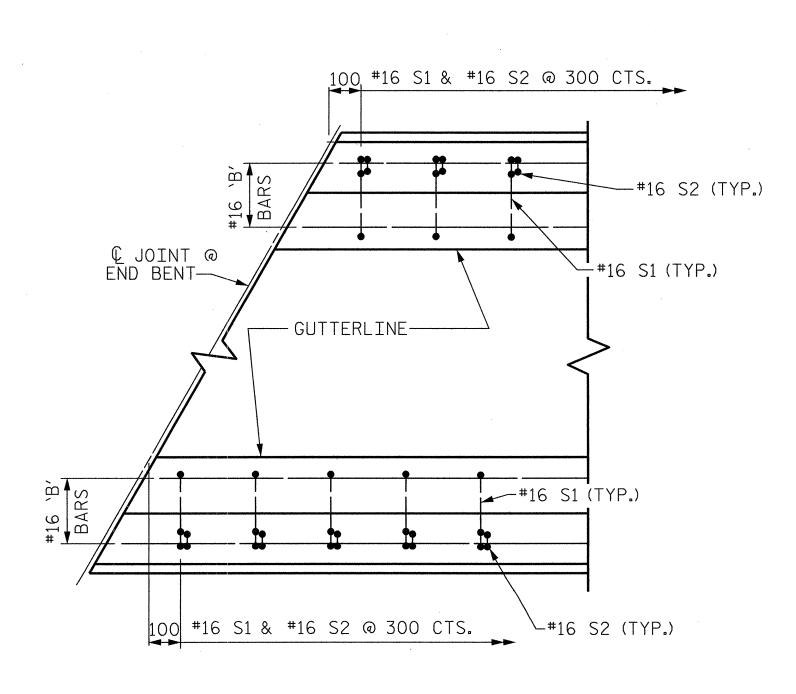
* EPOXY COATED 2988 kg REINFORCING STEEL

CLASS AA CONCRETE 28.2 CU. METER CONCRETE BARRIER RAIL 112.318 METERS

* DENOTES EPOXY COATED REINFORCING STEEL

PLAN OF CONCRETE BARRIER RAIL

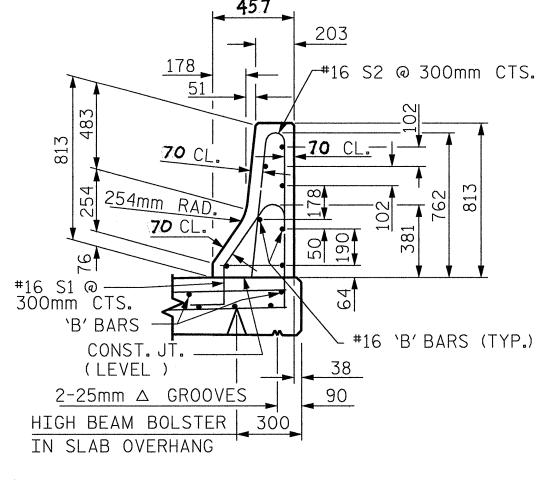
#16 'S' BARS MAY BE SHIFTED SLIGHTLY IN ORDER TO MAINTAIN 50mm MIN. CLEARANCE TO EXPANSION JOINT IN RAILS



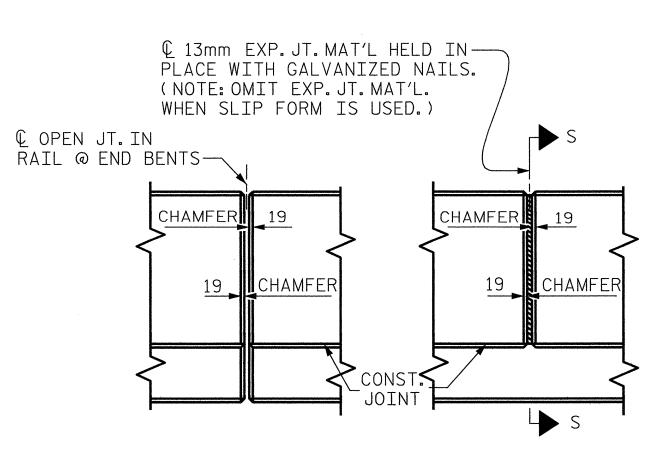
PLAN

END OF RAIL DETAILS

ASSEMBLED BY : MHF CHECKED BY : MSB	DATE : 05/01/02 DATE : 05/01/02		
DRAWN BY: ARB 5/87 CHECKED BY: SJD 9/87	REV.7/17/98 RWW/LES REV.8/16/99 RWW/LES REV.10/17/00R RWW/LES		



SECTION THRU RAIL

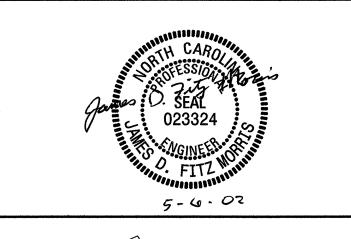


ELEVATION AT EXPANSION JOINTS

BARRIER RAIL DETAILS



PROJECT NO. _ **JOHNSTON** COUNTY STATION: 97+59.319-L-LT POC

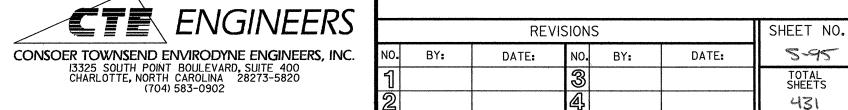


STANDARD

CONCRETE BARRIER RAIL

STATE OF NORTH CAROLINA

DEPARTMENT OF TRANSPORTATION



STD. NO. CBR1SM

R-2552B