

BILL OF MATERIAL BAR TYPES FOR CONCRETE BARRIER RAIL ONLY BAR NO. SIZE TYPE LENGTH WEIGHT * B1 | 56 | #16 | STR | 4720 | 56 | #16 | STR | 8280 | 720 334 #16 1 1440 746 334 #16 2 1580 819 * EPOXY COATED 2695 kg REINFORCING STEEL 25.2 CU. METER CLASS AA CONCRETE ALL BAR DIMENSIONS ARE OUT TO OUT CONCRETE BARRIER RAIL 100.644 METERS

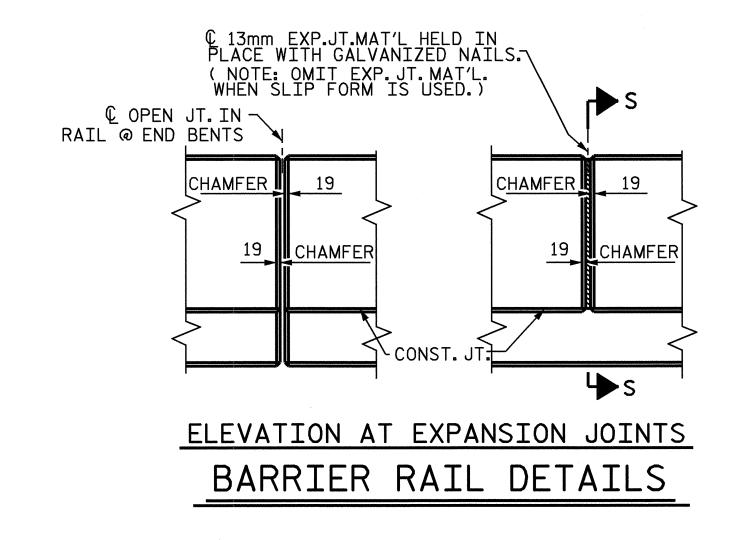
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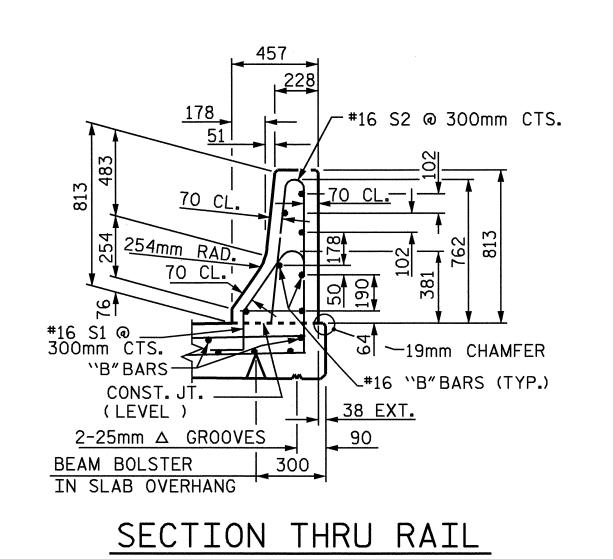
ALL REINFORCING STEEL IN BARRIER RAILS SHALL BE EPOXY COATED.

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.

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.

PLAN OF BARRIER RAIL





CONST. JT.

(LEVEL)

76

102

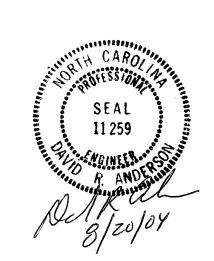
SECTION S-S

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

PROJECT NO. R-513BA

ROBESON COUNTY

STATION: 138+30.800 -L-



DEPARTMENT OF TRANSPORTATION
RALEIGH

SUPERSTRUCTURE CONCRETE BARRIER RAIL (LEFT LANE)

REVISIONS						SHEET NO.
э.	BY:	DATE:	NO.	BY:	DATE:	5-132
			3			TOTAL SHEETS
2			4			172

DRAWN BY: N.Q. TRAN DATE: JUN.2003
CHECKED BY: T.A. WALTER DATE: 4-14-04