

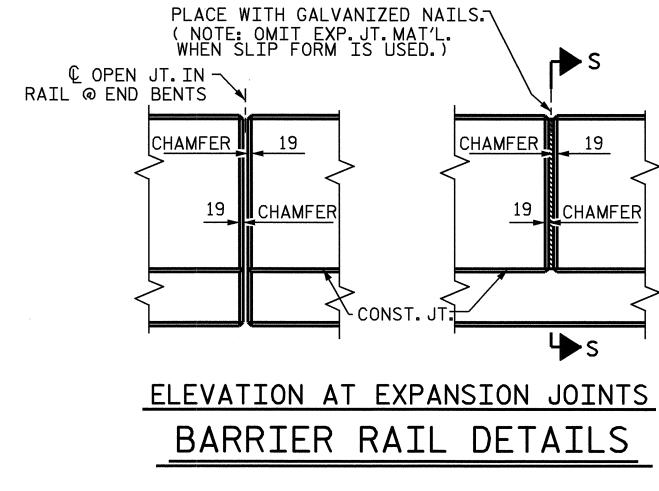
## BILL OF MATERIAL BAR TYPES FOR CONCRETE BARRIER RAIL ONLY BAR NO. SIZE TYPE LENGTH WEIGHT 214 \* B1 | 56 | #16 | STR | 4720 \* B2 | 56 | #16 | STR | 8280 720 1440 746 | 334 | #16 | 1 | 1580 334 #16 2 819 203 2695 kg 25.2 CU. METER ALL BAR DIMENSIONS ARE OUT TO OUT CONCRETE BARRIER RAIL 100.644 METERS

## **NOTES**

ALL REINFORCING STEEL IN BARRIER RAILS SHALL BE EPOXY COATED.

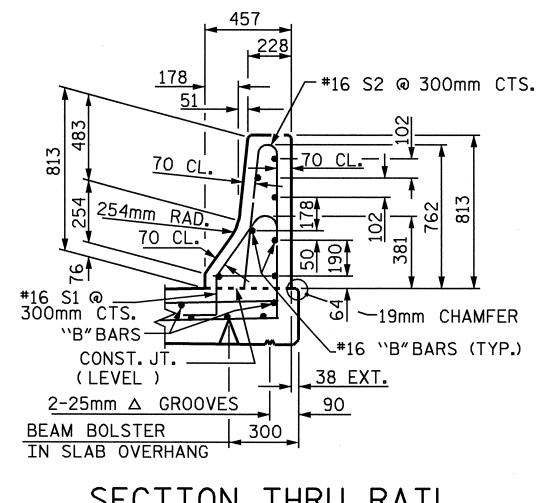
VERTICAL GROOVED CONTRACTION JOINTS, 12mm IN DEPTH, SHALL BE TOOLED IN ALL EXPOSED FACES OF THE BARRIER RAIL AND IN ACCORDANCE WITH ARTICLE 825-10(B) OF THE STANDARD SPECIFICATIONS. A JOINT SHALL BE LOCATED AT EACH THIRD POINT BETWEEN BARRIER RAIL EXPANSION JOINTS. ONLY ONE JOINT IS REQUIRED AT MIDPOINT 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.

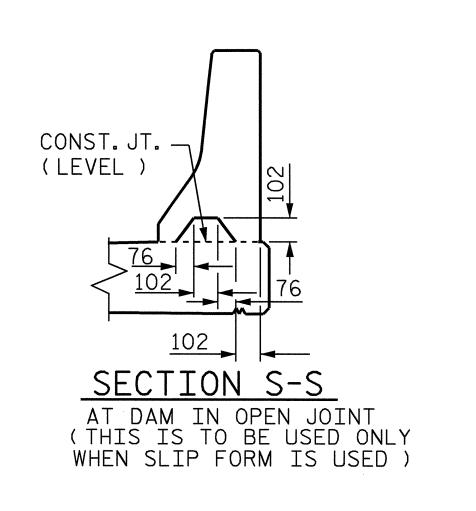


DATE : <u>JUN.2003</u> DATE : <u>4-14-04</u>

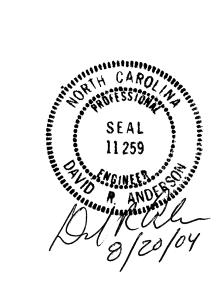
DRAWN BY : N.Q. TRAN
CHECKED BY : T.A. WALTER



SECTION THRU RAIL



PROJECT NO. R-513BA ROBESON COUNTY STATION: 138+30.800 -L-



STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
RALEIGH

SUPERSTRUCTURE

CONCRETE BARRIER RAIL (RIGHT LANE)

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	5-158
1			3			TOTAL SHEETS
2			4			172