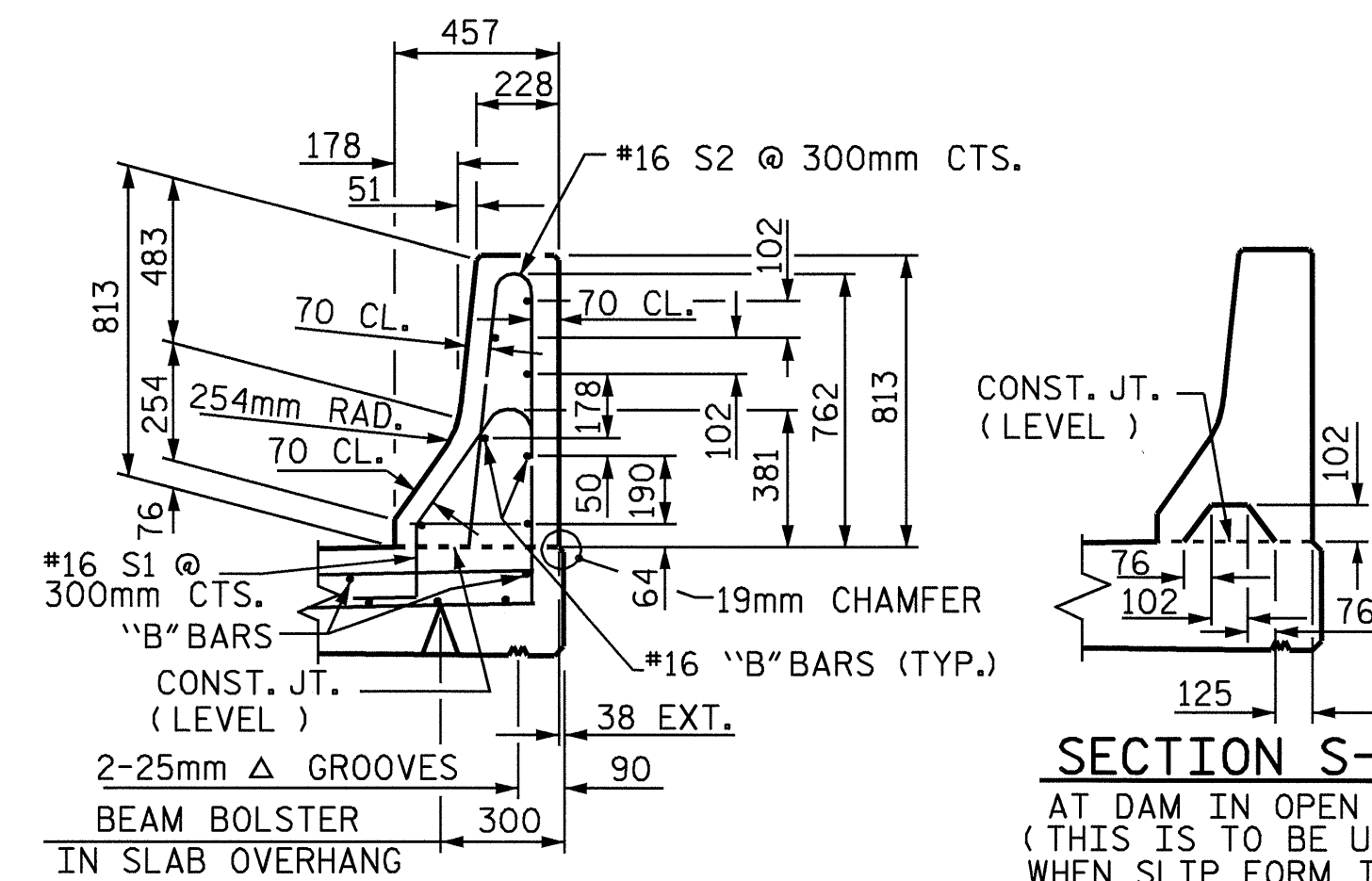


PLAN

DISTANCES ARE MEASURED ALONG OUTSIDE EDGE OF BRIDGE

NOTES

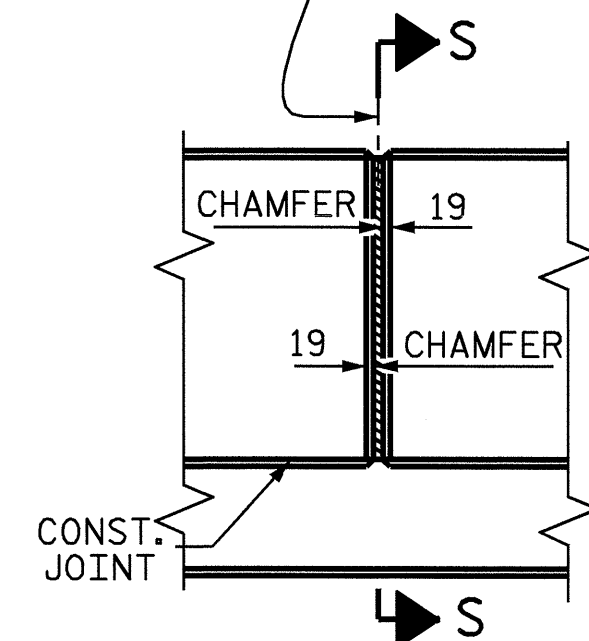
THE BARRIER RAIL SHALL NOT BE CAST UNTIL ALL SLAB CONCRETE IN THAT SPAN HAS BEEN CAST AND HAS REACHED A MINIMUM COMPRESSIVE STRENGTH OF 20.7 MPa.
 ALL REINFORCING STEEL IN BARRIER RAILS SHALL BE EPOXY COATED.
 VERTICAL GROOVED CONTRACTION JOINTS, 12mm IN DEPTH, SHALL BE TOOLED IN ALL EXPOSED FACES OF 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.



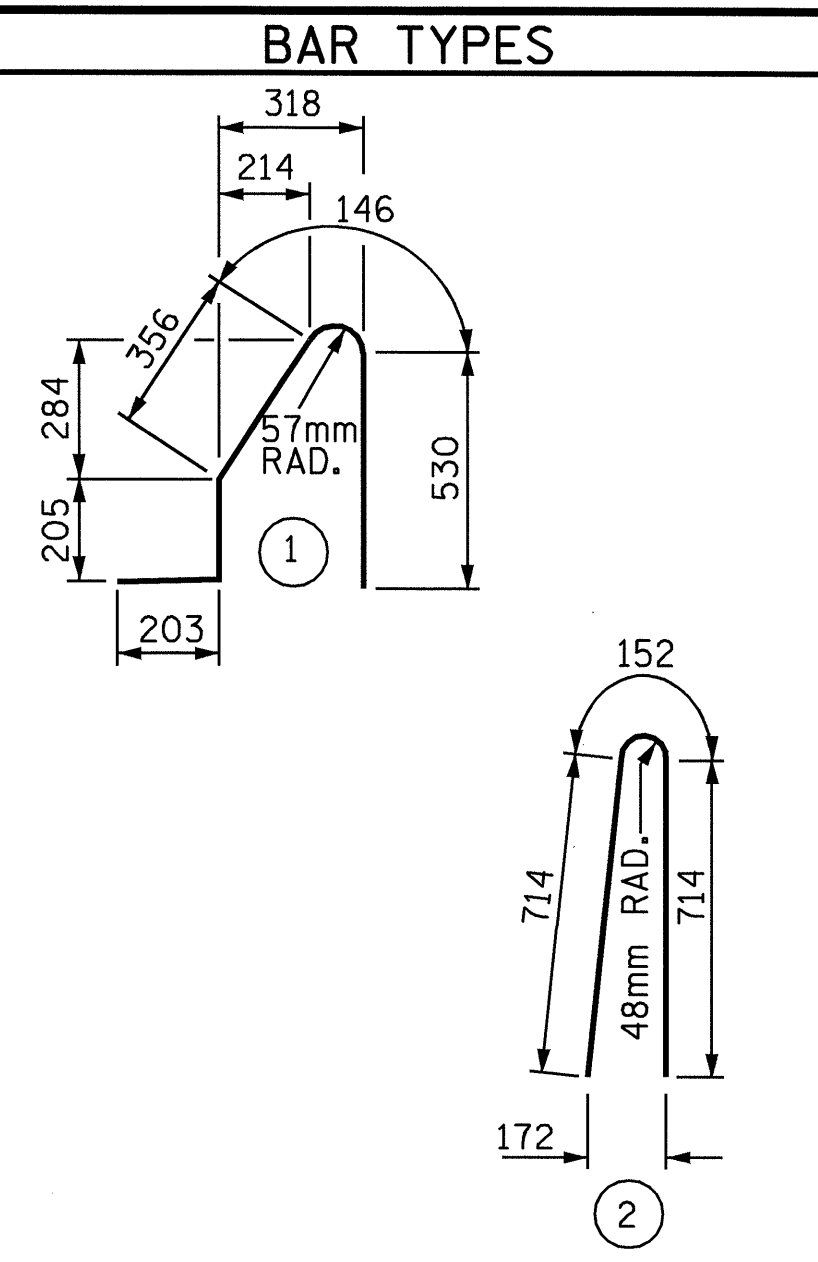
SECTION THRU RAIL

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

13mm EXP. JT. MAT'L HELD IN PLACE WITH GALVANIZED NAILS.
 (NOTE: OMIT EXP. JT. MAT'L WHEN SLIP FORM IS USED.)



**ELEVATION AT EXPANSION JOINTS
 BARRIER RAIL DETAILS**



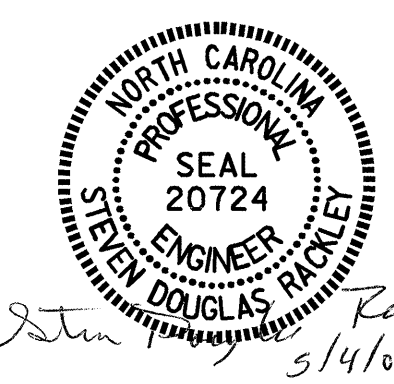
ALL BAR DIMENSIONS ARE OUT TO OUT

BILL OF MATERIAL
 FOR CONCRETE BARRIER RAIL ONLY

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
* S1	262	#16	1	1440	586
* S2	262	#16	2	1580	642
* B1	56	#16	STR	7720	671
* B2	14	#16	STR	7740	168
* EPOXY COATED REINFORCING STEEL					2067 kg
CLASS AA CONCRETE					19.8 CU. METER
CONCRETE BARRIER RAIL					78.688 METERS

* THESE BARS ARE EPOXY COATED.

ASSEMBLED BY : M.K. BEARD	DATE : 01/22/04
CHECKED BY : K.D. LAYNE	DATE : 02/05/04
DRAWN BY : ARB 5/87	REV. 8/16/99 RWW/LES
CHECKED BY : SJD 9/87	REV. 10/17/00 RWW/LES
	REV. 5/7/03 RWW/JTE



PROJECT NO. R-2911A
IREDELL COUNTY
 STATION: 41+59.472 -L-

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH					
STANDARD					
CONCRETE BARRIER RAIL (RIGHT LANE)					
REVISIONS					
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		
					SHEET NO. S-95
					TOTAL SHEETS 106