

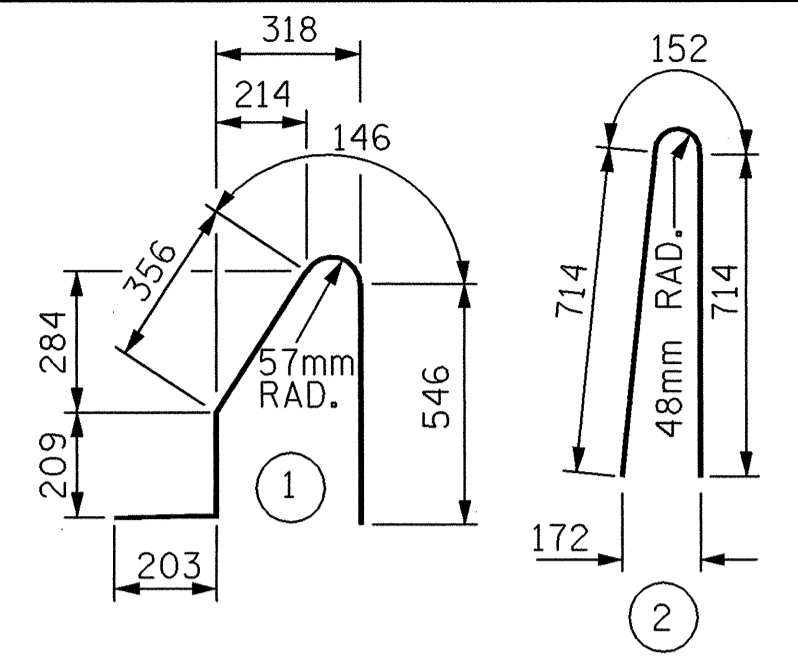
NOTES

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.

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

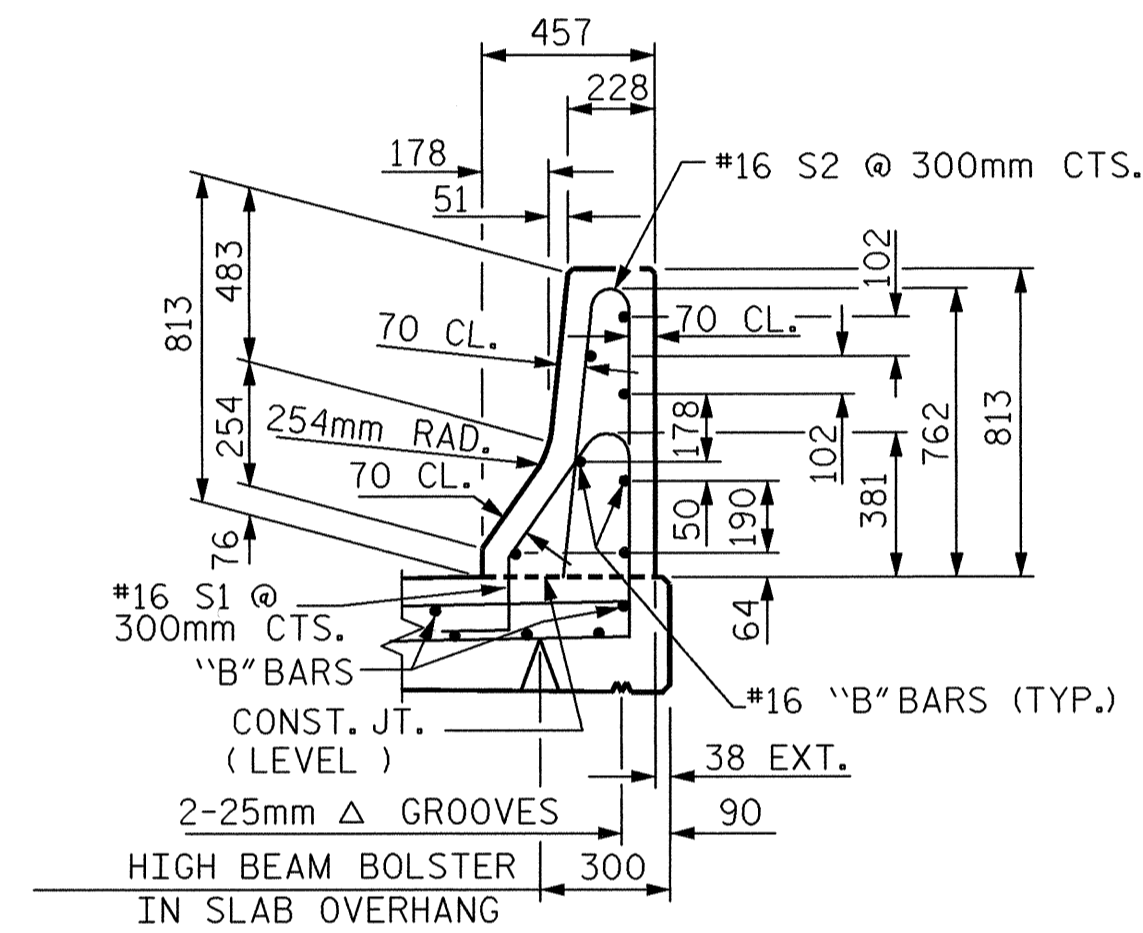
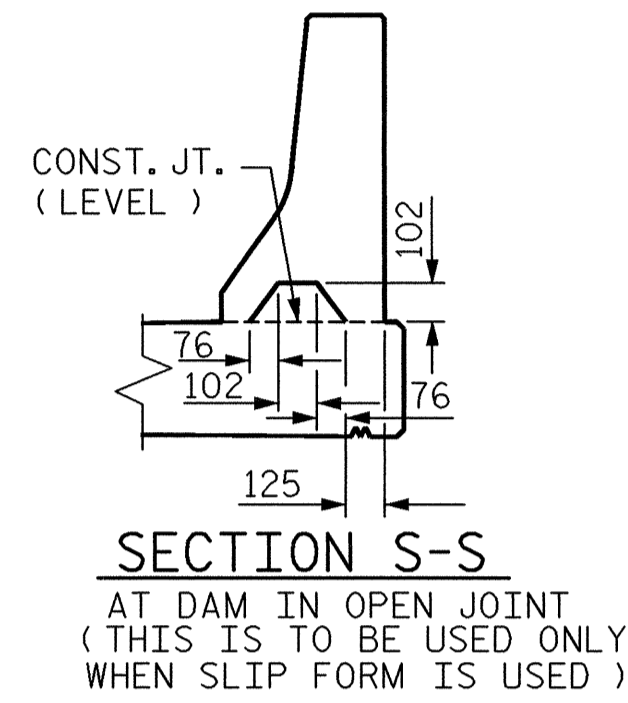
FOR CONCRETE BARRIER RAIL ONLY

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
* B1	140	#16	STR	3420	743
* B2	7	#16	STR	6350	69
* B3	14	#16	STR	6380	140
* B4	84	#16	STR	4640	605
* B5	126	#16	STR	8220	1607
* B6	126	#16	STR	8240	1611
* B7	14	#16	STR	5780	126
* B8	7	#16	STR	6130	67
* B9	7	#16	STR	6170	67
* B10	7	#16	STR	6410	70
* S1	1,536	#16	1	1460	3480
* S2	1,536	#16	2	1580	3767

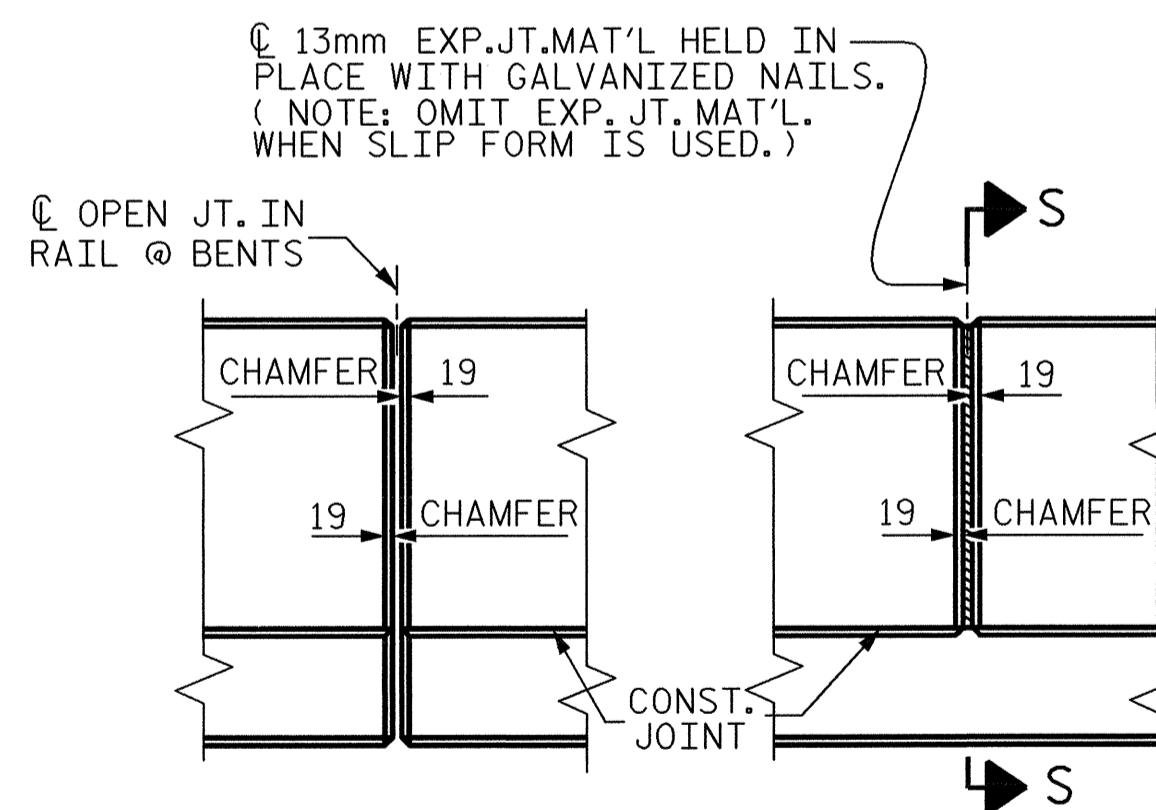
* EPOXY COATED REINFORCING STEEL 12350 kg

CLASS AA CONCRETE 115.1 CU. METERS

CONCRETE BARRIER RAIL 459.219 METERS



SECTION THRU RAIL



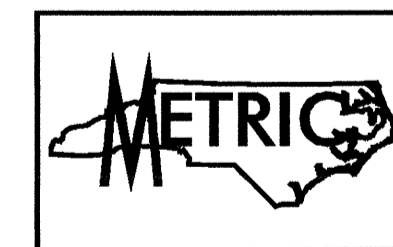
ELEVATION AT EXPANSION JOINTS BARRIER RAIL DETAILS

PROJECT NO. R-2552AB

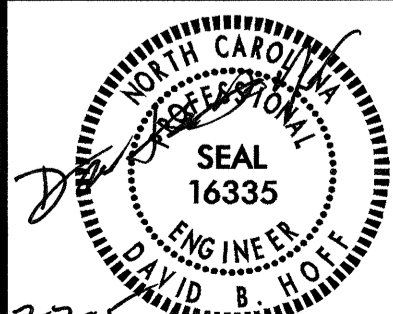
JOHNSTON COUNTY

STATION: 40+96.000 -L- P.O.C.

SHEET 5 OF 5



TRANSYSTEMS CORPORATION
75 Beattie Place, Suite 400
Greenville, SC 29601 (864) 234-0866



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

STANDARD
CONCRETE
BARRIER RAIL
(RIGHT LANE)

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

ASSEMBLED BY : M.L. MARLEY	DATE : 10/01
CHECKED BY : D.B. HOFF	DATE : 11/01
DRAWN BY : ARB 5/87	REV. 7/17/98 RWW/LES
CHECKED BY : SJD 9/87	REV. 8/16/99 RWW/LES
	REV. 10/17/00R RWW/LES