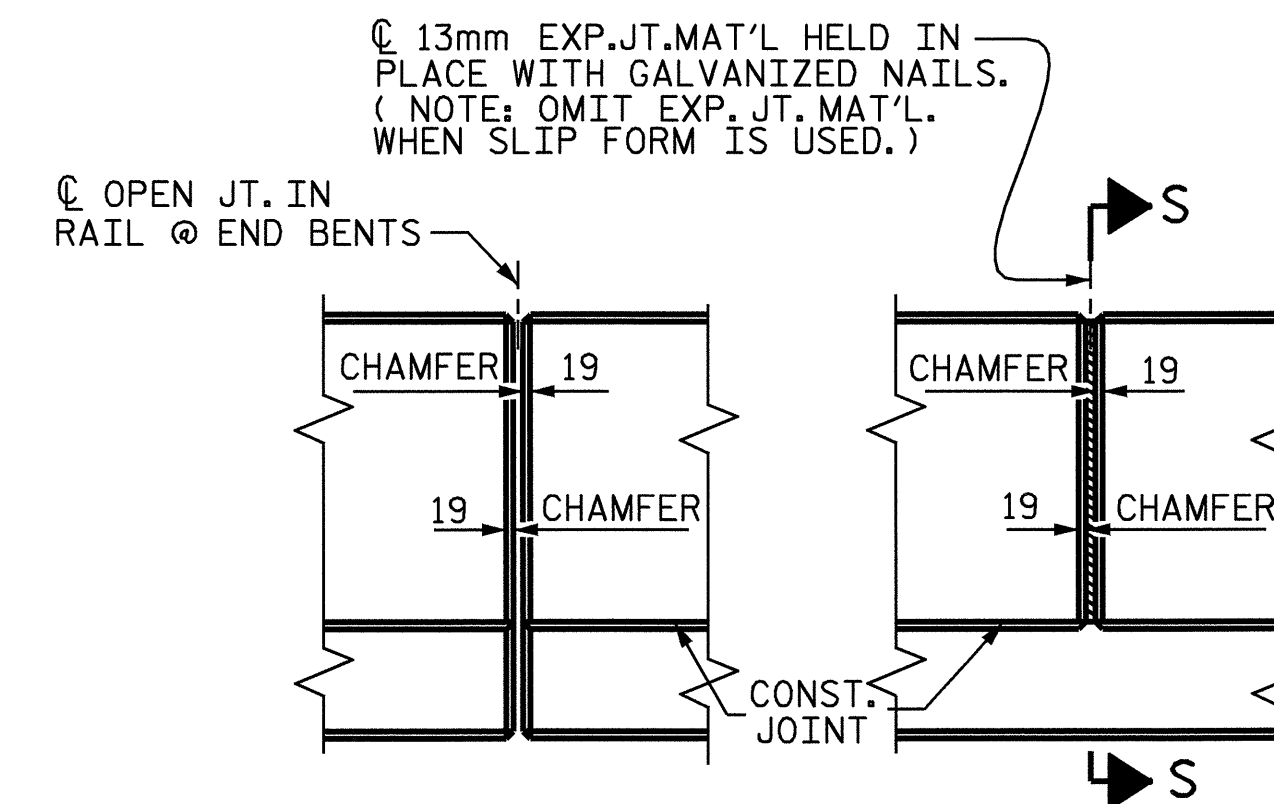


NOTES

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.

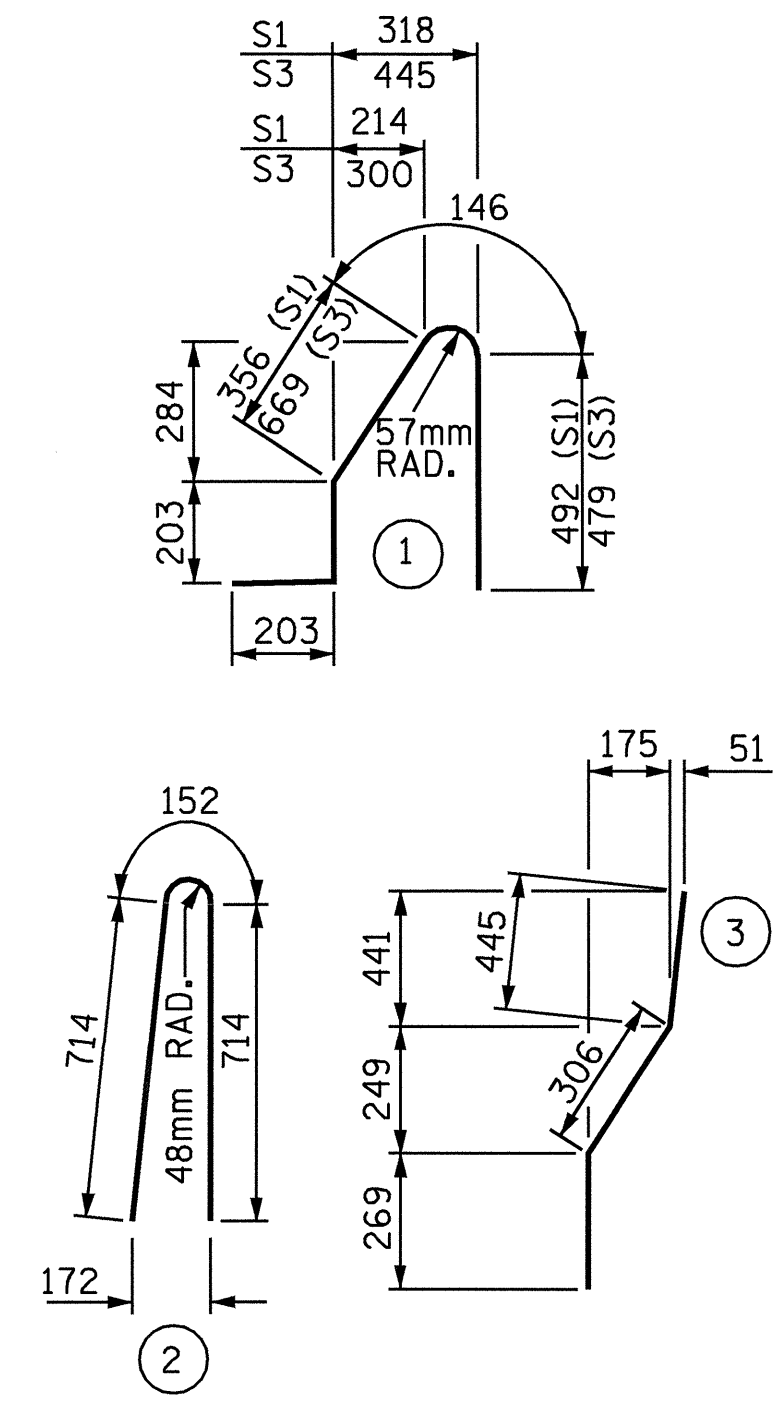
ALL REINFORCING STEEL IN BARRIER RAILS SHALL BE EPOXY COATED.

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. 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.



**ELEVATION AT EXPANSION JOINTS
BARRIER RAIL DETAILS**

BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT

BILL OF MATERIAL

FOR CONCRETE BARRIER RAIL ONLY

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
*B1	56	#16	STR	4760	414
*B2	70	#16	STR	8300	902
*S1	386	#16	1	1400	839
*S2	386	#16	2	1580	947
*S3	4	#16	1	1700	11
*S4	2	#16	3	1020	3
*S5	2	#16	STR	960	3

* EPOXY COATED
REINFORCING STEEL 3119 kg

CLASS AA CONCRETE 27.1 CU. METER

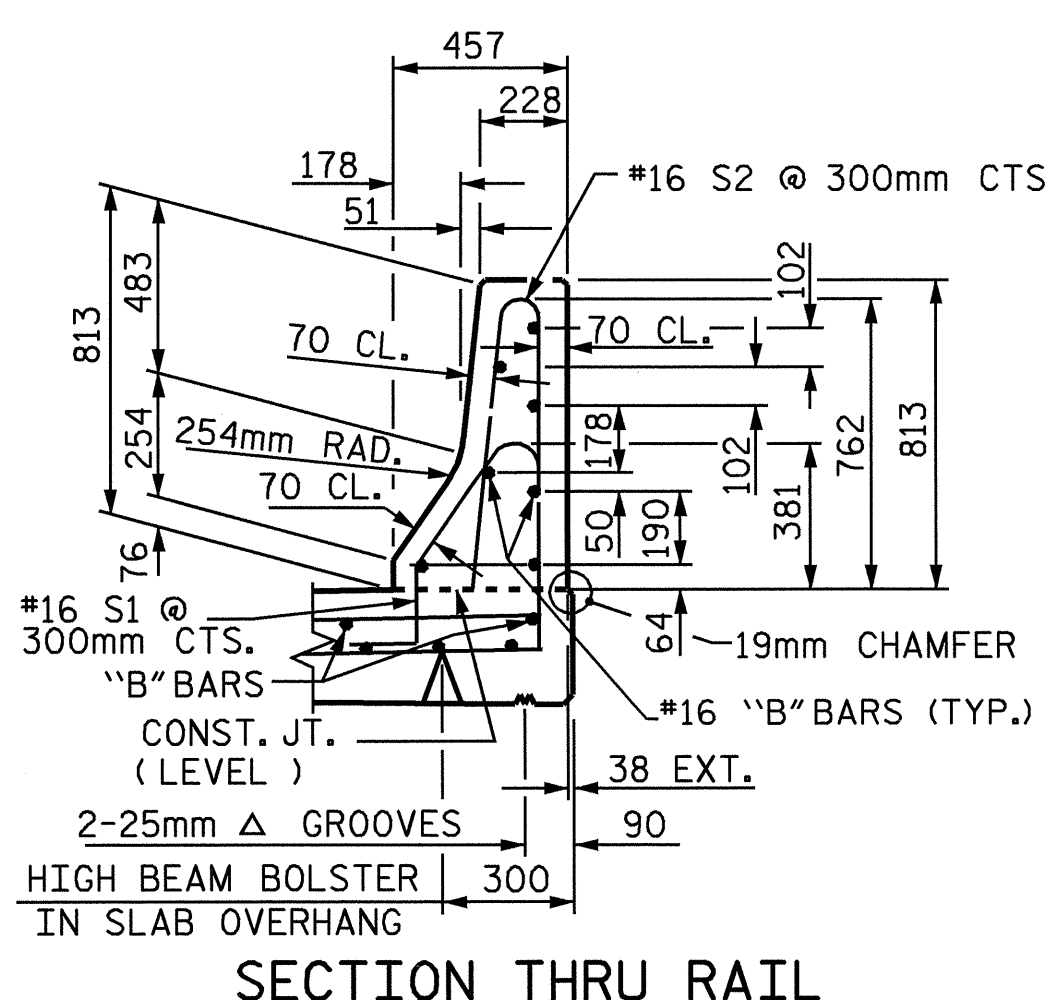
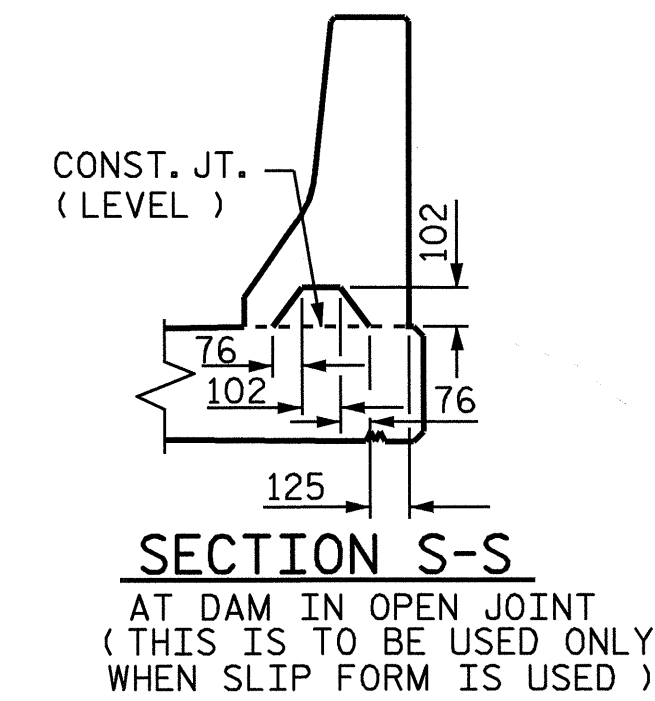
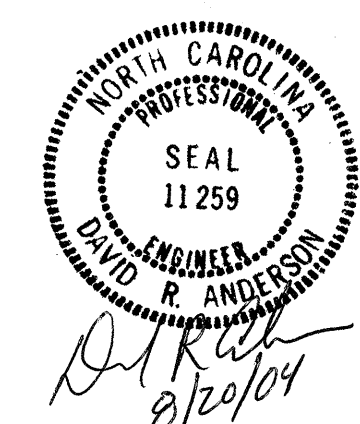
CONCRETE BARRIER RAIL 117.416 METERS

PROJECT NO. R-513BA
ROBESON COUNTY
STATION: 113+73.429 -L-

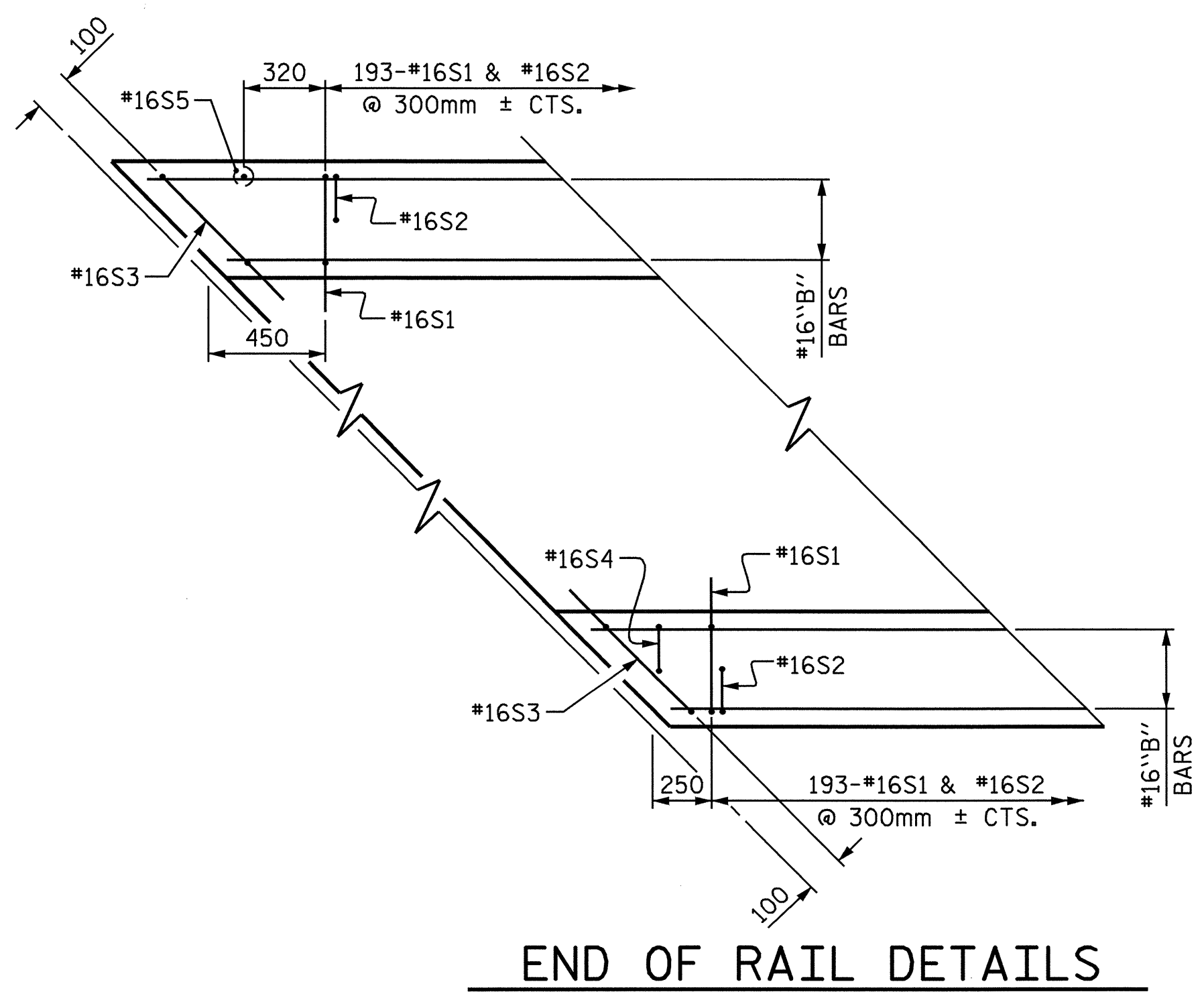
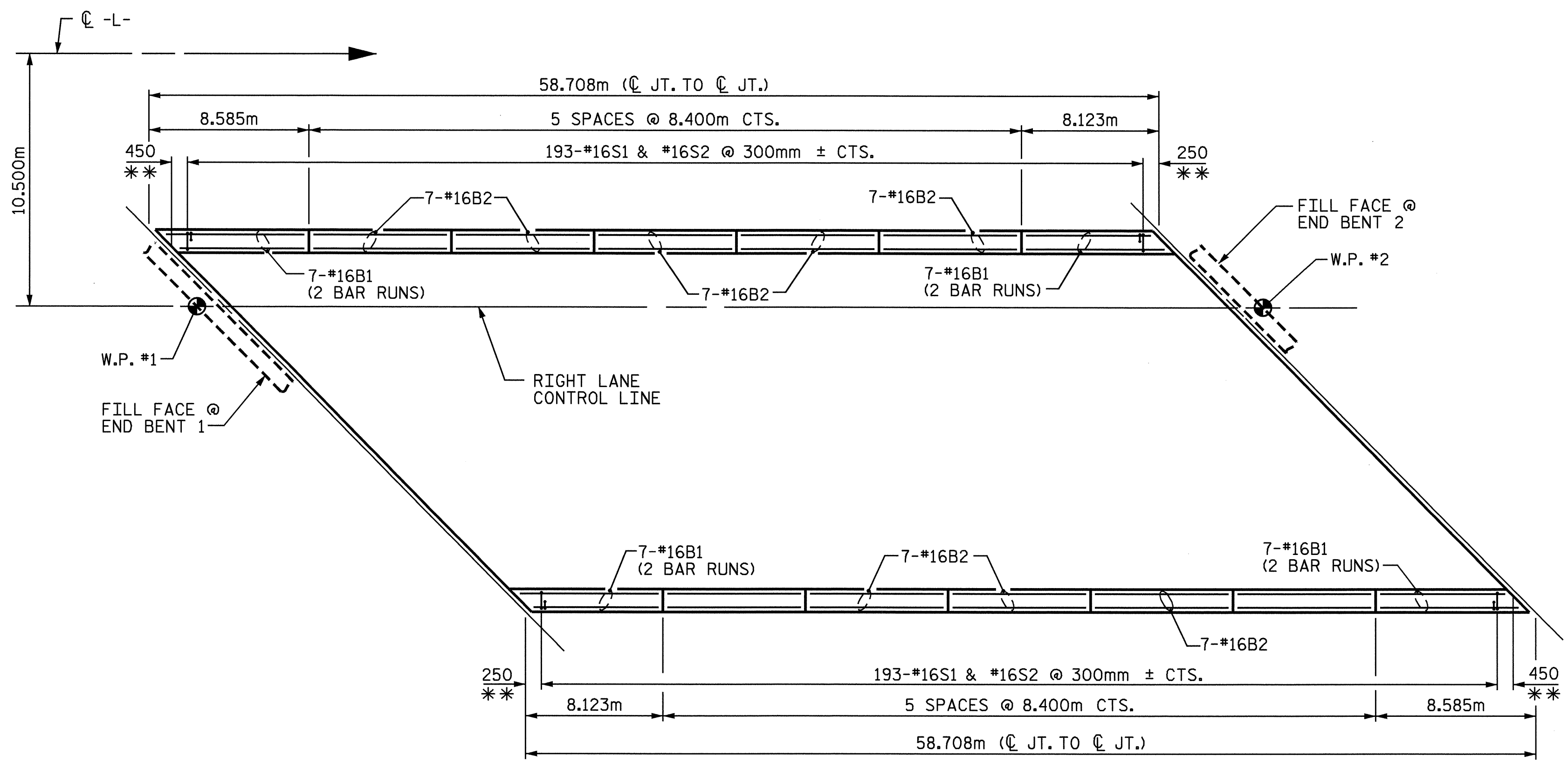
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

**CONCRETE
BARRIER RAIL
(RIGHT LANE)**

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



PLAN OF BARRIER RAIL
** SEE "END OF RAIL DETAILS" FOR ADDITIONAL REINFORCEMENT



ASSEMBLED BY : T.A. WALTER	DATE : 8/24/02
CHECKED BY : B. BARODAWALA	DATE : 4/11/03
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