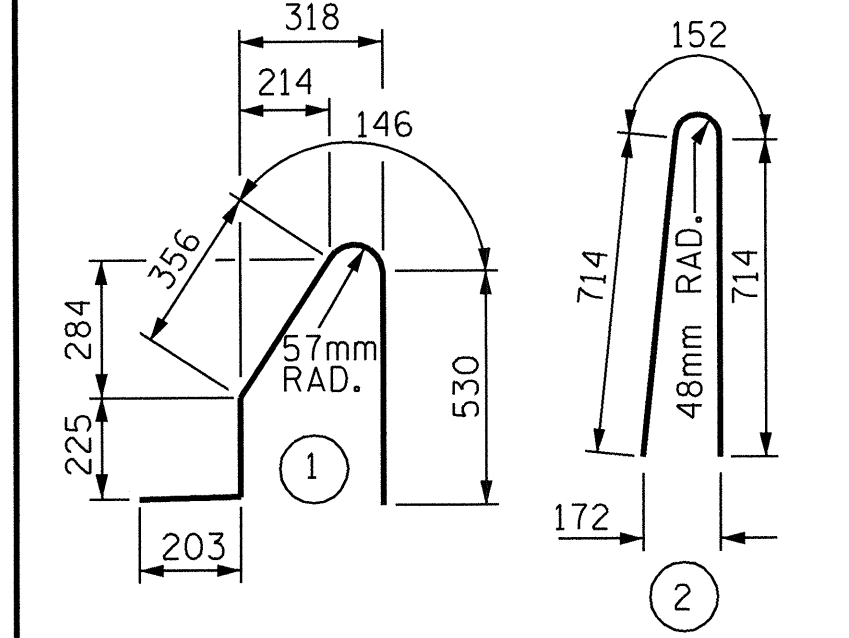


BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT

BILL OF MATERIAL

FOR CONCRETE BARRIER RAIL ONLY

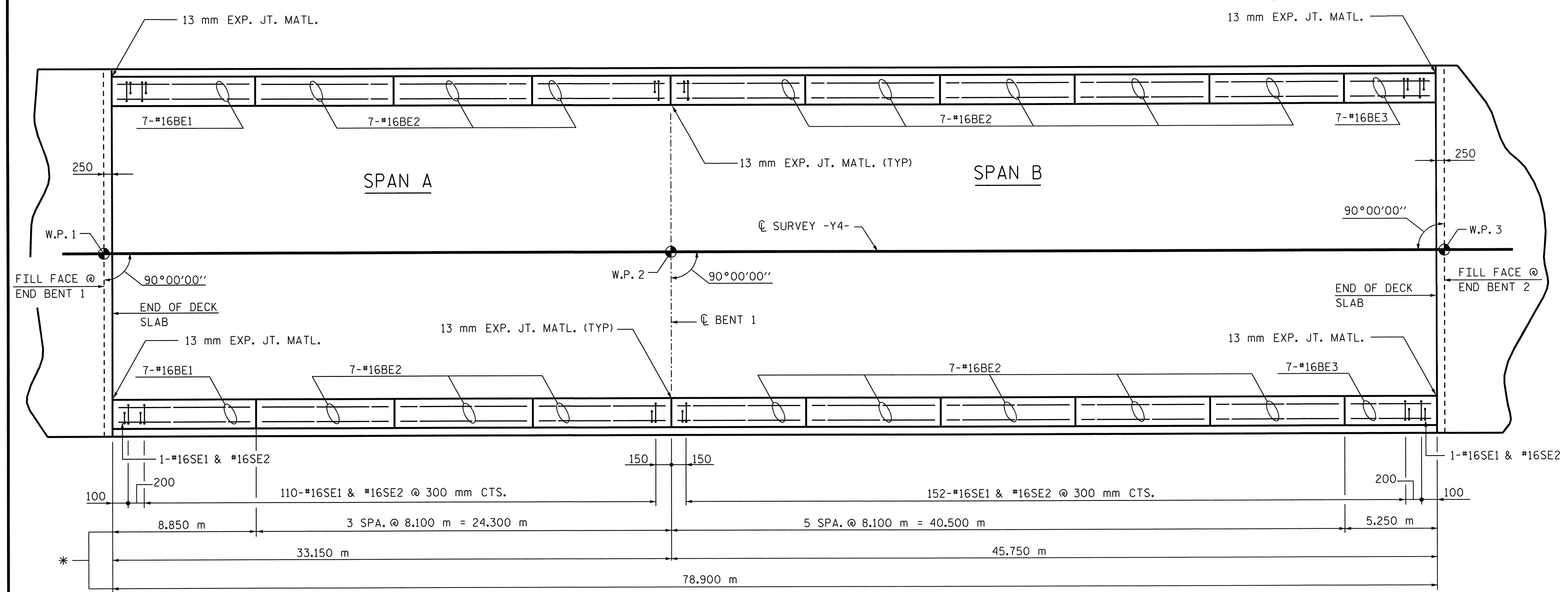
BAR NO.	NO.	SIZE	TYPE	LENGTH	WEIGHT
BE1	14	#16	STR	8720	190
BE2	112	#16	STR	7980	1387
BE3	14	#16	STR	5120	111

SE1	528	#16	1	1460	1196
SE2	528	#16	2	1580	1295

EPOXY COATED REINFORCING STEEL 4,179 kg

CLASS AA CONCRETE 39.6 CU. METER

CONC. BARRIER RAIL 157.784 LIN. METERS



* MEASURED ALONG OUTSIDE EDGE OF BARRIER RAIL. (TYP. EACH SIDE OF BRIDGE.)

PLAN

NOTES:

SEE BRIDGE APPROACH SLAB DETAILS FOR RIGID PAVEMENT WITH BARRIER RAIL FOR CONTINUATION AND END DETAILS OF BARRIER RAIL.

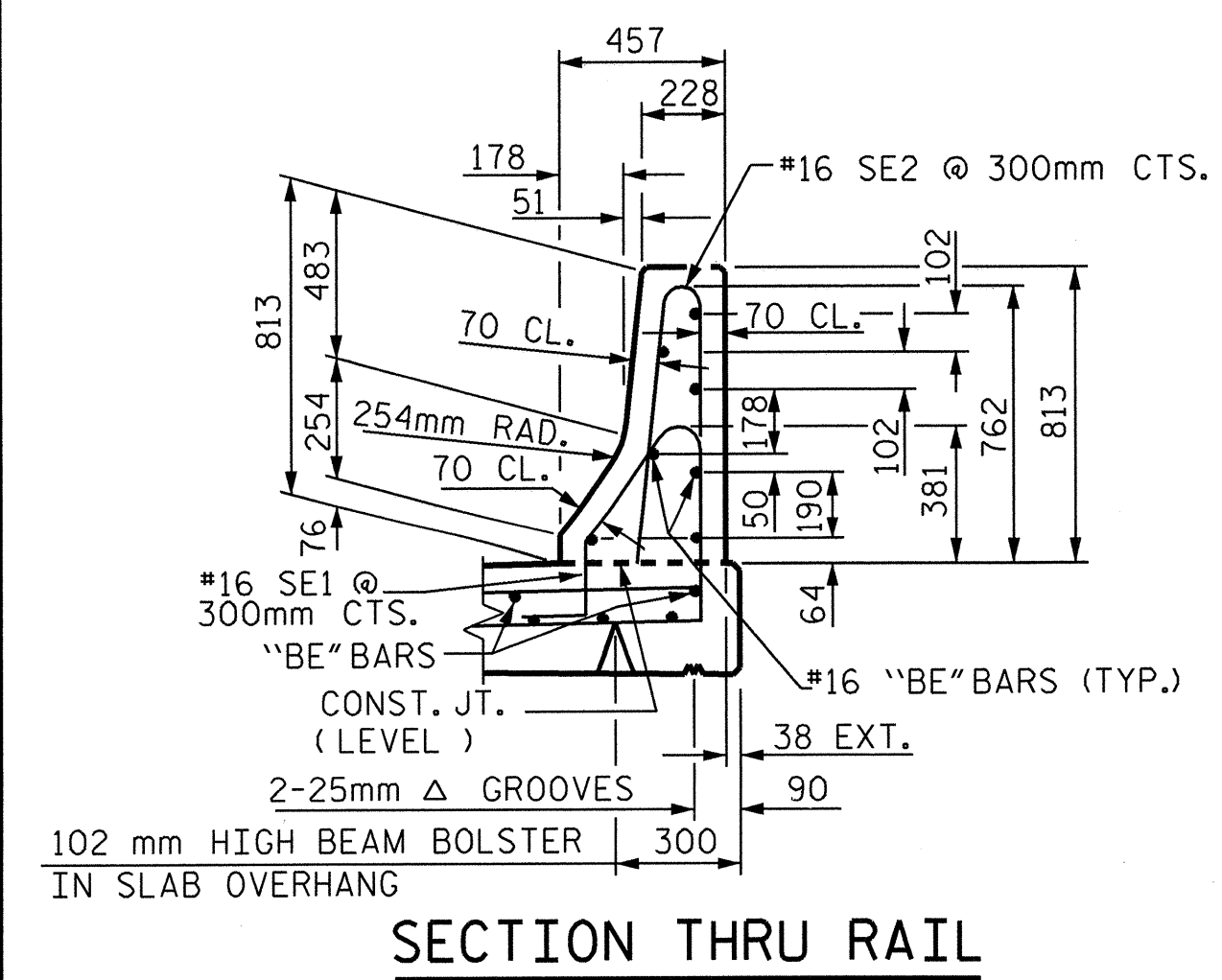
THE BARRIER RAIL IN EACH SPAN SHALL NOT BE CAST UNTIL ALL SLAB CONCRETE IN THAT SPAN HAS BEEN CAST AND HAS REACHED A MINIMUM COMPRESSIVE STRENGTH OF 20.7 MPa.

ALL REINFORCING STEEL IN BARRIER RAILS SHALL BE EPOXY COATED.

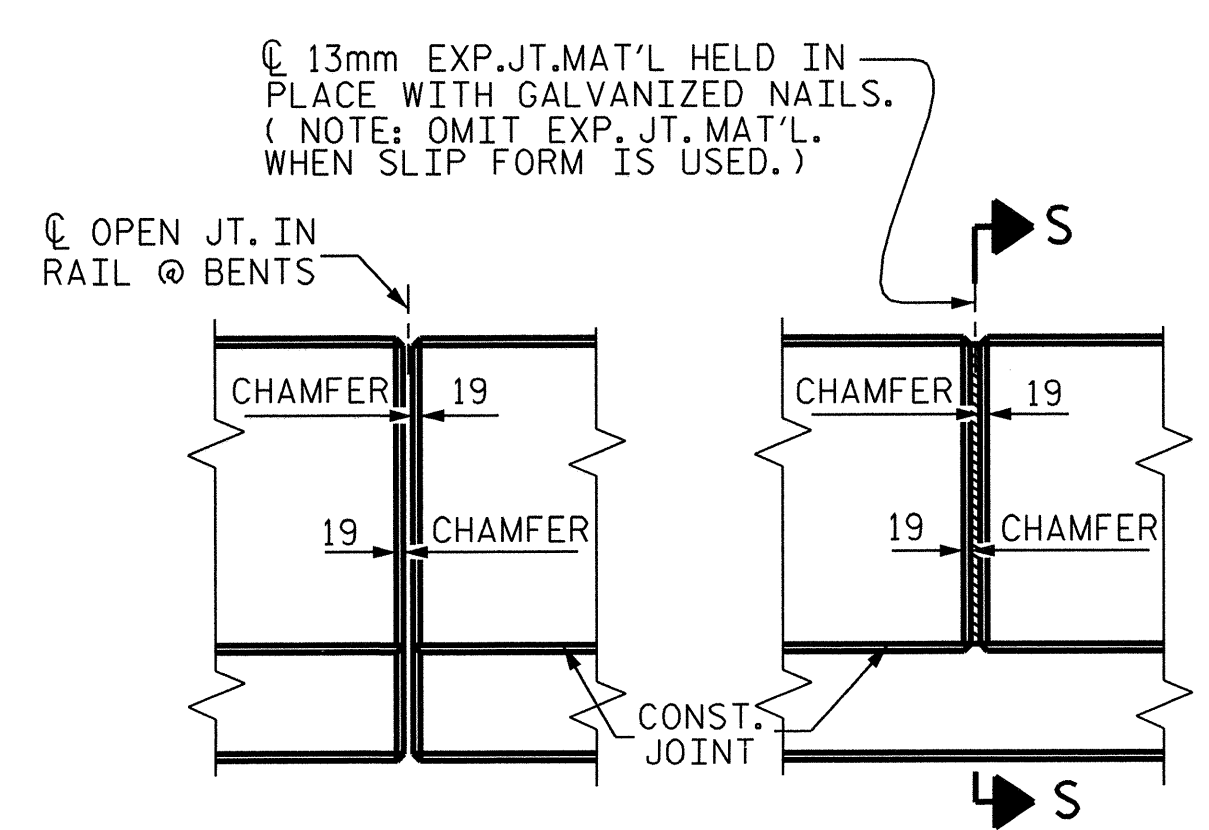
VERTICAL GROOVED CONTRACTION JOINTS, 12mm IN DEPTH, SHALL BE TOOLED IN ALL EXPOSED FACES OF THE BARRIER RAIL AND IN ACCORDANCE WITH ARTICLE 825-10(B) OF THE STANDARD SPECIFICATIONS. THE CONTRACTION JOINT SHALL BE LOCATED AT EACH THIRD POINT BETWEEN BARRIER RAIL EXPANSION JOINTS. ONLY ONE CONTRACTION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

PROJECT NO. R-2552AA
 WAKE / JOHNSTON COUNTY
 STATION: 27+61.028 -L- P.O.T.

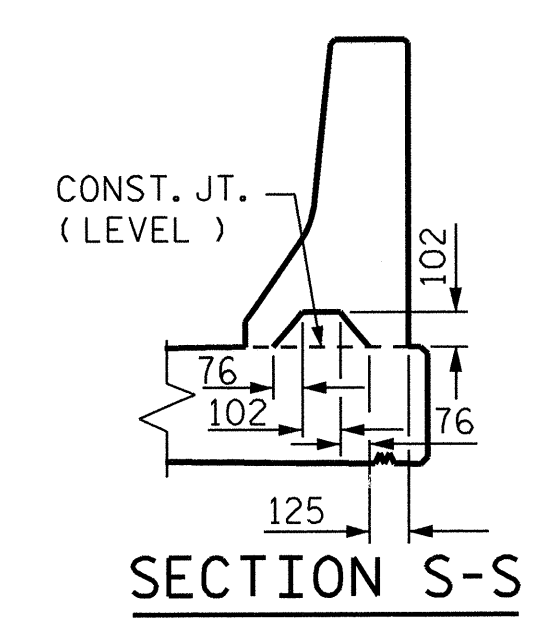
G:\COMMONS\304046\BRIDGE\SITE5\DN\FINAL\XR2552AA-SD_BR_05.DGN



SECTION THRU RAIL



ELEVATION AT EXPANSION JOINTS



SECTION S-S

BARRIER RAIL DETAILS

ASSEMBLED BY :	F.D. WEEDEN	DATE :	01/05
CHECKED BY :	R.D. FAUTEUX	DATE :	01/05
DRAWN BY :	ARB 5/87	REV. 8/16/99	RWW/LES
CHECKED BY :	SJD 9/87	REV. 10/17/00	RWW/LES
		REV. 5/7/03R	RWW/JTE

RUMMELKLEPPER & KAHL, LLP
 consulting engineers
 5800 FARLINGTON PLACE - SUITE 105
 RALEIGH, NORTH CAROLINA 27609-3960

DWG. NO. 15

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
STANDARD CONCRETE BARRIER RAIL
 JANUARY 2005

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

TOTAL SHEETS 5-242
 429