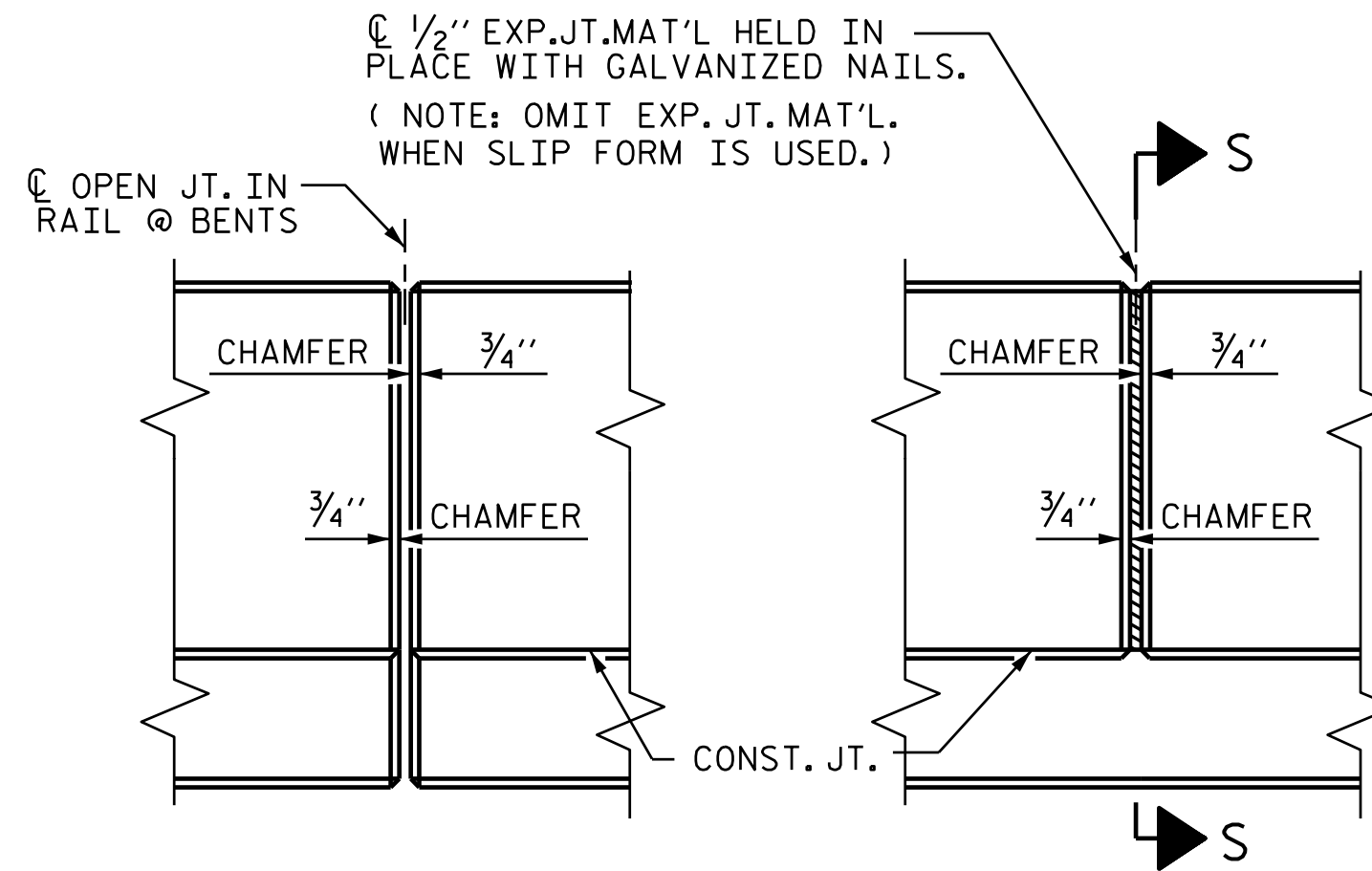


SECTION THRU RAIL



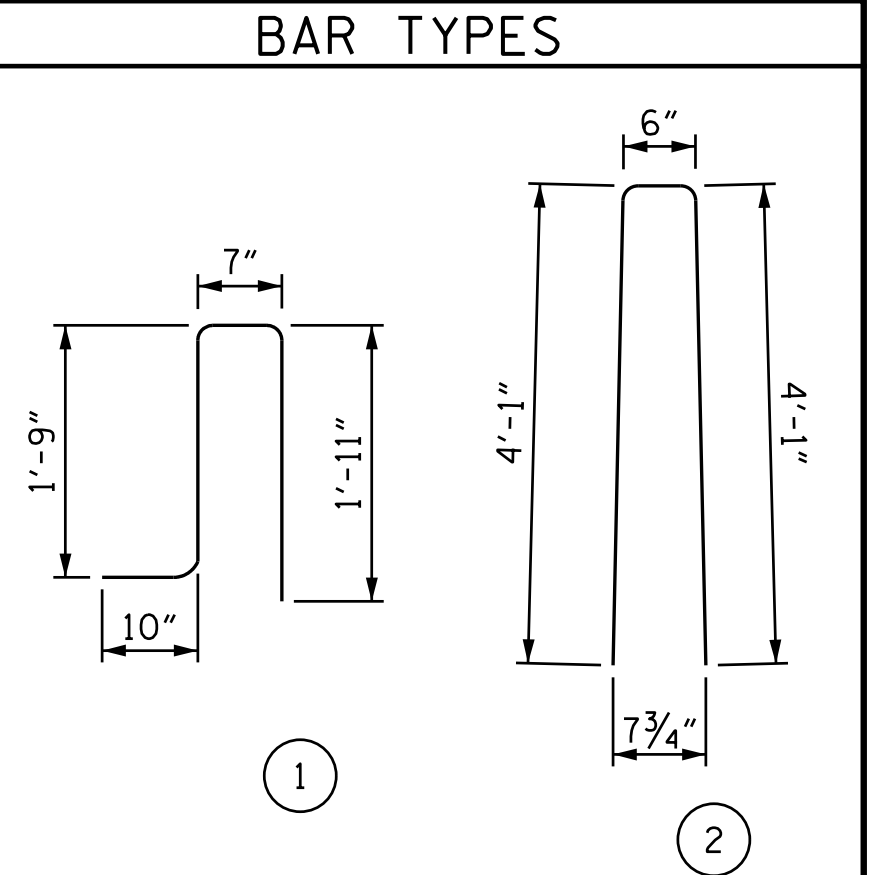
ELEVATION AT EXPANSION JOINTS
BARRIER RAIL DETAILS

NOTES

BARRIER RAIL IN A CONTINUOUS UNIT SHALL NOT BE CAST UNTIL ALL SLAB CONCRETE IN THE UNIT HAS BEEN CAST AND HAS REACHED A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI.

ALL REINFORCING STEEL IN BARRIER RAILS SHALL BE EPOXY COATED.

GROOVED CONTRACTION JOINTS, 1/2" 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 20 FEET IN LENGTH AND NO CONTRACTION JOINTS ARE REQUIRED FOR THOSE SEGMENTS LESS THAN 10 FEET IN LENGTH.



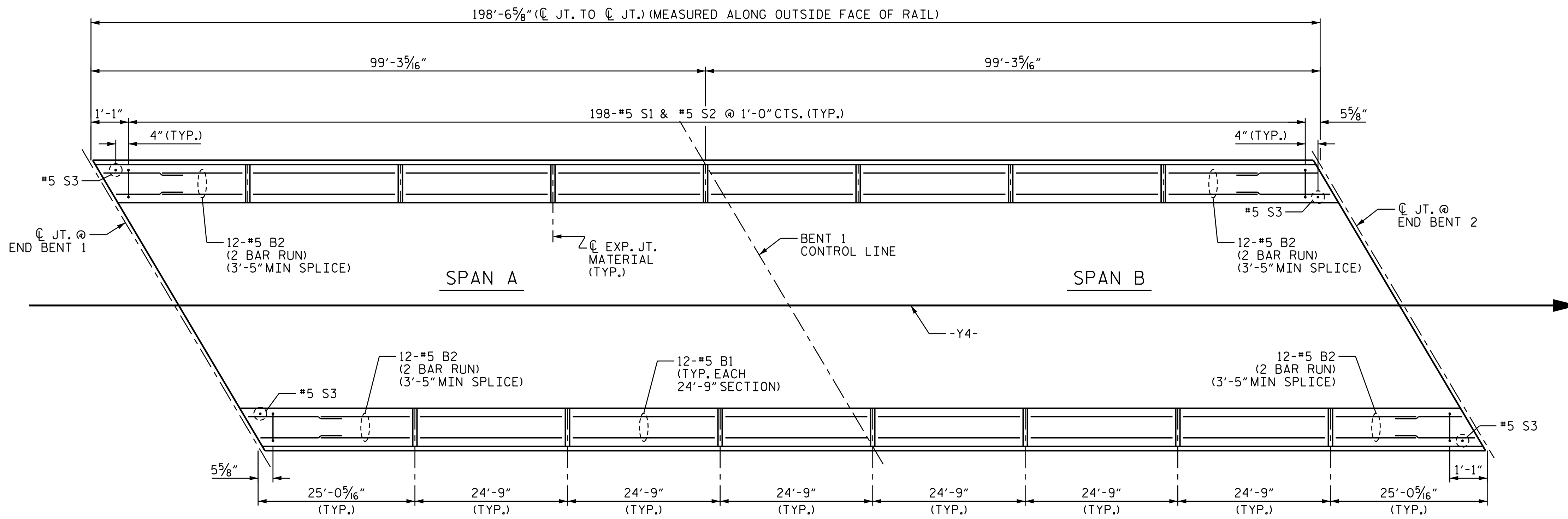
ALL BAR DIMENSIONS ARE OUT TO OUT

BILL OF MATERIAL

FOR VERTICAL CONCRETE BARRIER RAIL ONLY

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
* B1	144	#5	STR	24'-4"	3655
* B2	96	#5	STR	14'-3"	1427
* S1	396	#5	1	5'-1"	2100
* S2	396	#5	2	8'-8"	3580
* S3	4	#5	STR	4'-9"	20

* EPOXY COATED REINFORCING STEEL 10,782 LBS.
 CLASS AA CONCRETE 57.3 CU. YDS.
 ** VERTICAL CONCRETE BARRIER RAIL 397.1 LIN. FT.
 ** DOES NOT INCLUDE BARRIER RAIL ON APPROACH SLABS.



PLAN OF CONCRETE BARRIER RAIL

PROJECT NO. U-2525C
 GUILFORD COUNTY
 STATION: 28+98.81 -Y4-

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

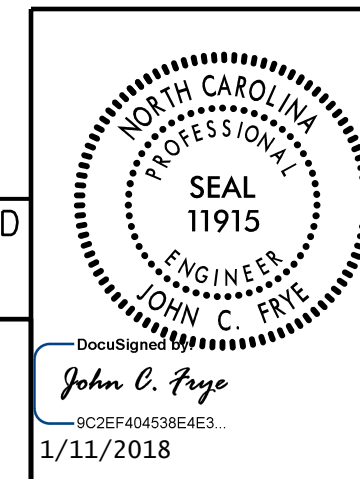
VERTICAL CONCRETE
 BARRIER RAIL

REVISIONS

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

SHEET NO.
 S6-19
 TOTAL SHEETS
 34

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED
 PLANS PREPARED BY:
 MOTT MACDONALD
 PO Box 700
 Fuquay-Varina, NC 27526
 (919) 552-2253
 www.mottmac.com
 LICENSE NO. F-0669



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DRAWN BY: L. T. FORBIS DATE: 7-2017
 CHECKED BY: J. T. WILLIAMS DATE: 9-2017
 DESIGN ENGINEER OF RECORD: J. E. MONDOLFI DATE: 9-2017