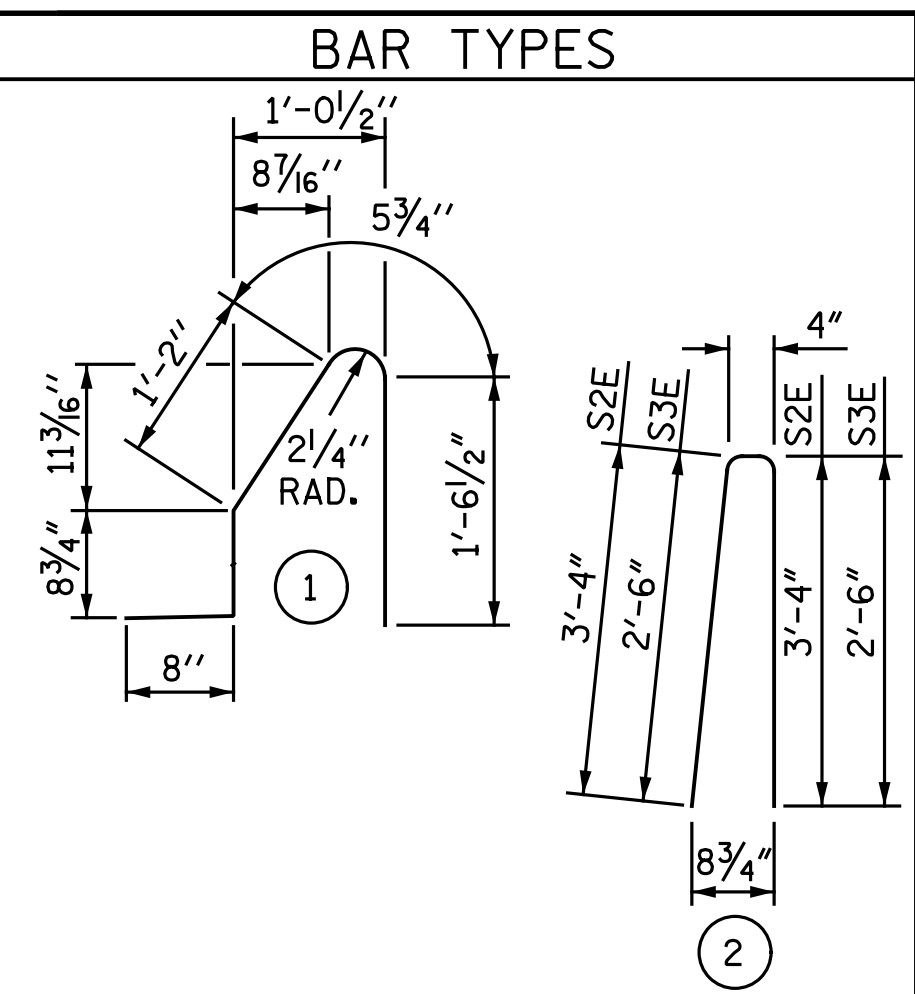


PLAN OF BARRIER RAIL

REINFORCING STEEL SPLICE LENGTHS	
BAR SIZE	BARRIER RAIL (EPOXY COATED)
#5	3'-5"



ALL BAR DIMENSIONS ARE OUT TO OUT

BILL OF MATERIAL FOR CONCRETE BARRIER RAIL ONLY					
BAR NO.	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1E	66	#5	STR.	27' - 1"	1,864
B2E	22	#5	STR.	8' - 11"	205
B3E	22	#5	STR.	14' - 9"	338
S1E	210	#5	1	4' - 7"	1,004
S2E	206	#5	2	7' - 0"	1,504
S3E	4	#5	2	5' - 4"	22

EPOXY COATED REINFORCING STEEL	LBS.	4,937
CLASS AA CONCRETE	C.Y.	27.9
CONCRETE BARRIER RAIL	L.F.	205.8

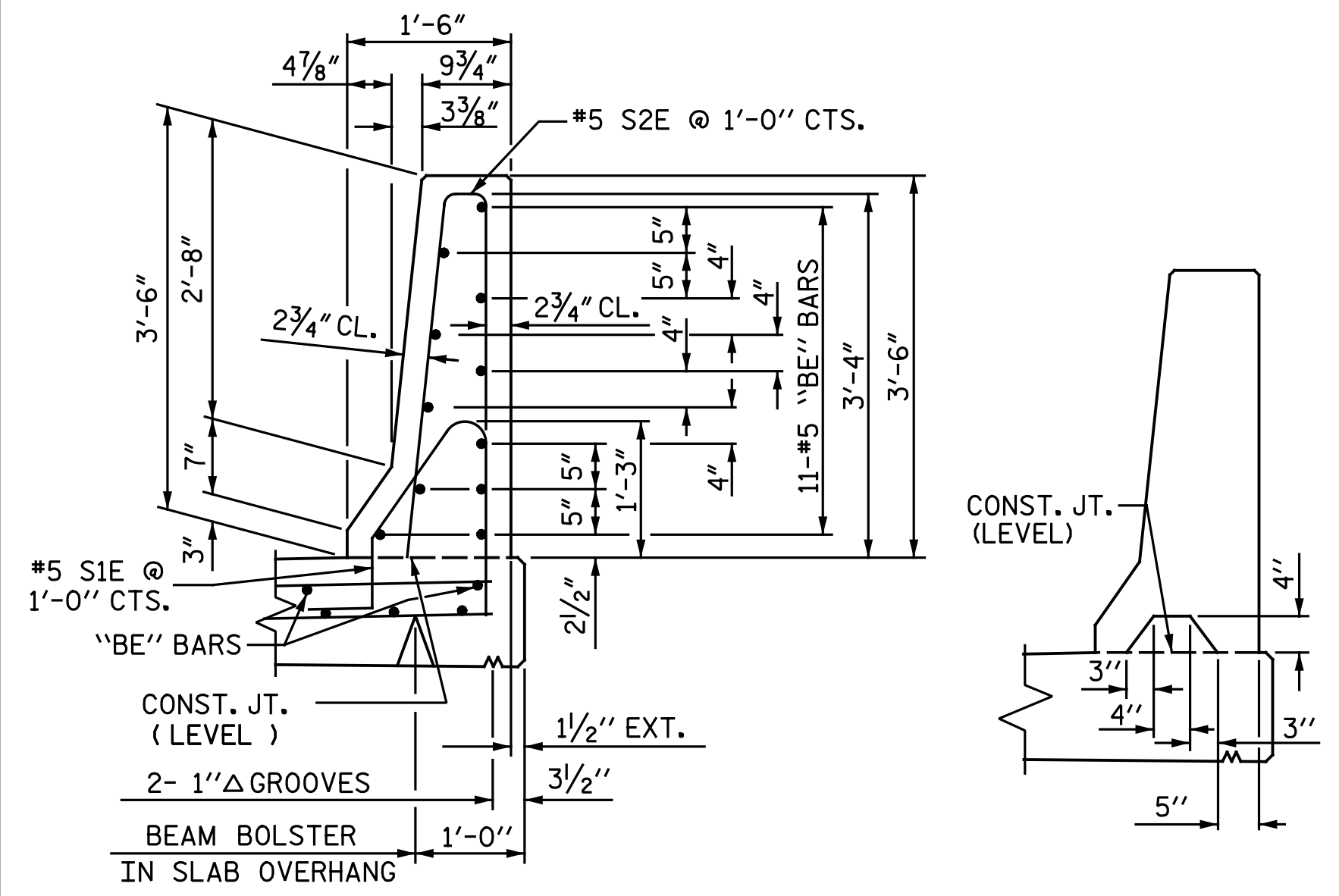
NOTES

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.

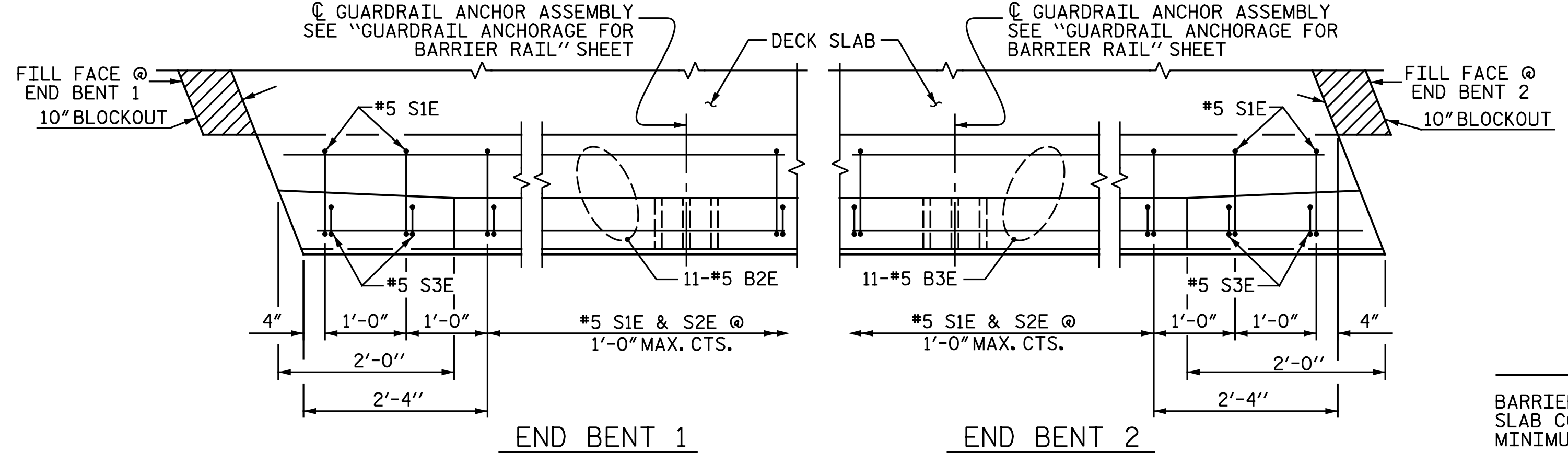
GROOVED CONTRACTION JOINTS, 1/2" IN DEPTH, SHALL BE TOOLED IN ALL EXPOSED FACES OF THE BARRIER RAIL AND IN ACCORDANCE WITH ARTICLE 825-10(B) OF THE STANDARD SPECIFICATIONS. THE CONTRACTION JOINT SHALL BE LOCATED AT EACH THIRD POINT BETWEEN BARRIER RAIL EXPANSION JOINTS. ONLY ONE CONTRACTION JOINT IS 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.

PROJECT NO. U-3330  
 NASH COUNTY  
 STATION: 18+22.61 -Y1-



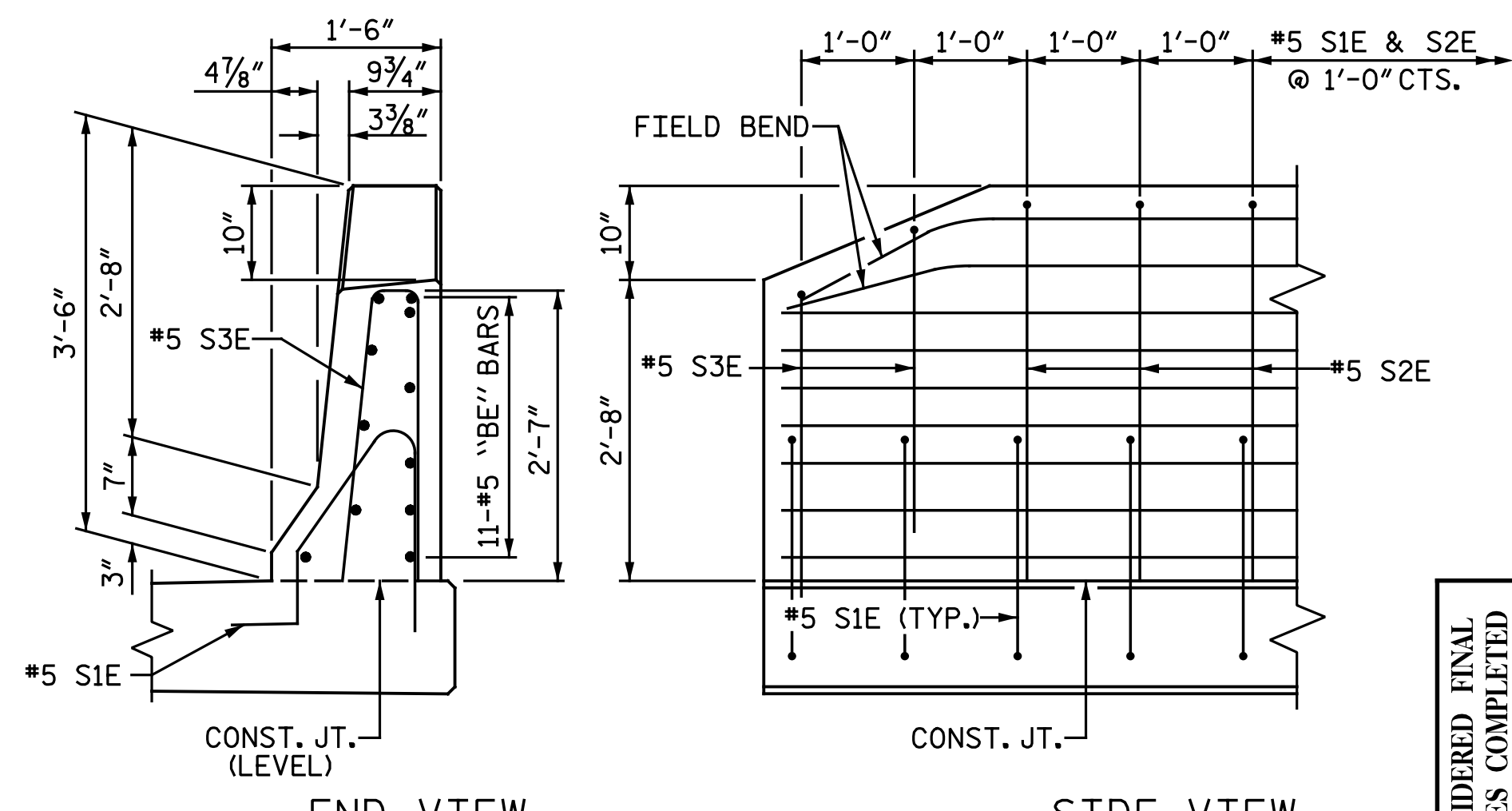
SECTION THRU RAIL

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



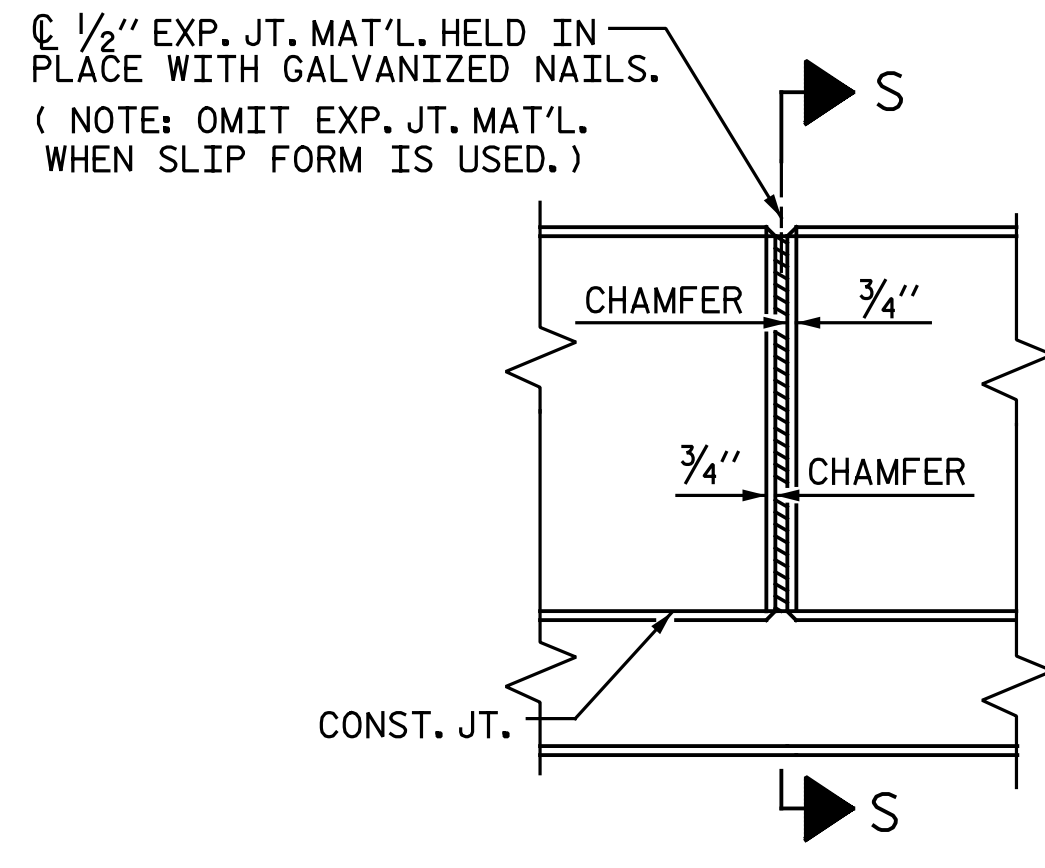
END BENT 1 END BENT 2

PLAN OF BARRIER RAIL



END VIEW SIDE VIEW

END OF RAIL DETAILS



ELEVATION AT EXPANSION JOINTS BARRIER RAIL DETAILS

ASSEMBLED BY : N.B. SPEAKS	DATE : 4-28-16
CHECKED BY : A.H. SHARPE	DATE : 5-1-16
DRAWN BY : JMB 1/88	REV. 5/7/03 RWW/JTE
CHECKED BY : GGH 1/88	REV. 5/1/06 TLA/GM
	REV. 10/1/11 MAA/GM

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Professional Engineer Seal for Bradley J. Bell, State of North Carolina, License No. 042399, dated 1/27/2017.

Michael Baker Engineering  
 8000 Regency Parkway, Suite 600  
 Cary, North Carolina 27518  
 NC License No.: F-1084

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH					
STANDARD CONCRETE BARRIER RAIL LEFT LANES					
REVISIONS					
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		

SHEET NO. SI-16	
TOTAL SHEETS 38	