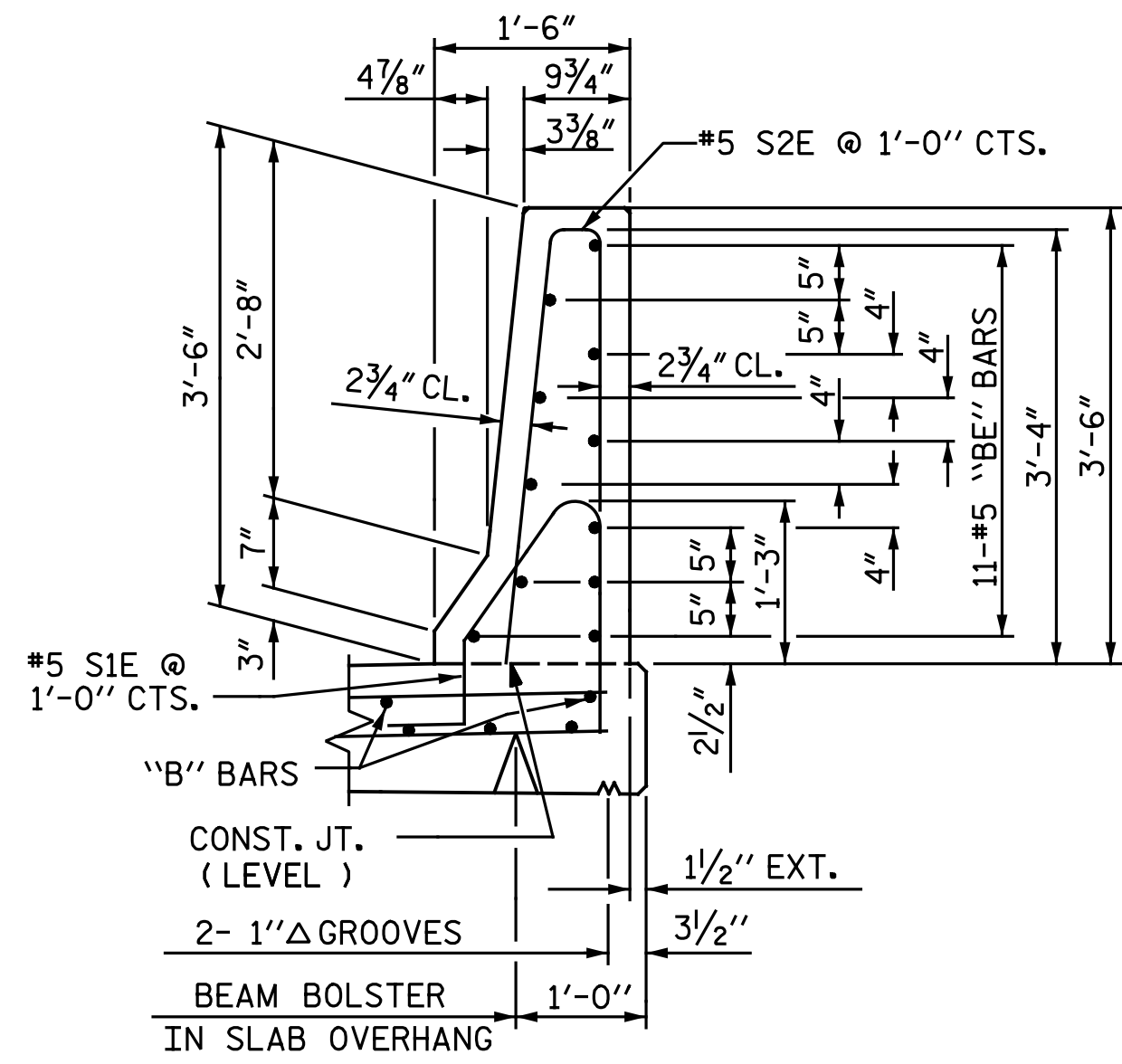


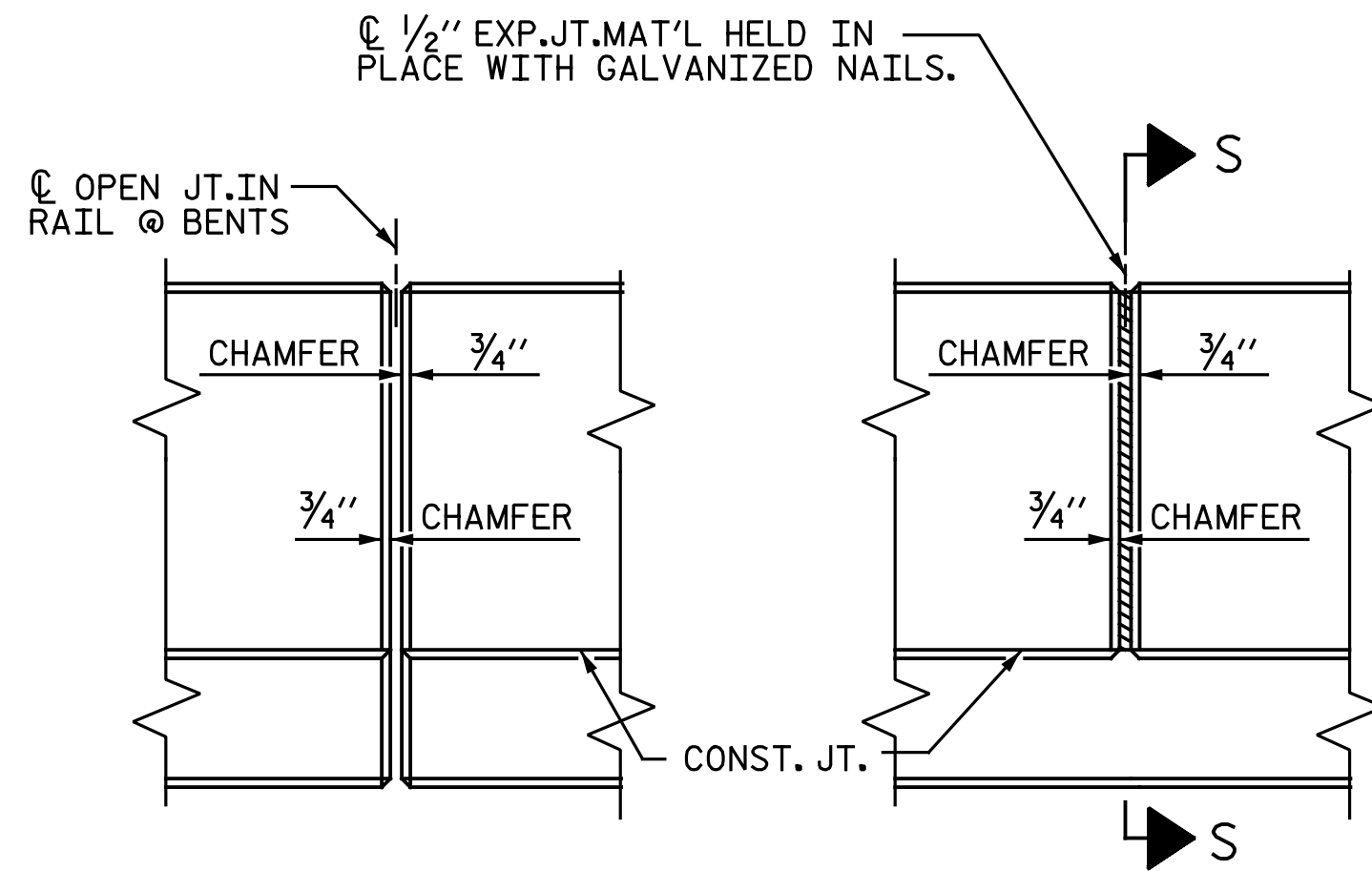
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SECTION THRU RAIL



ELEVATION AT EXPANSION JOINTS

(NOTE: OMIT EXPANSION JOINT MATERIAL WHEN SLIP FORM IS USED.)

BARRIER RAIL DETAILS

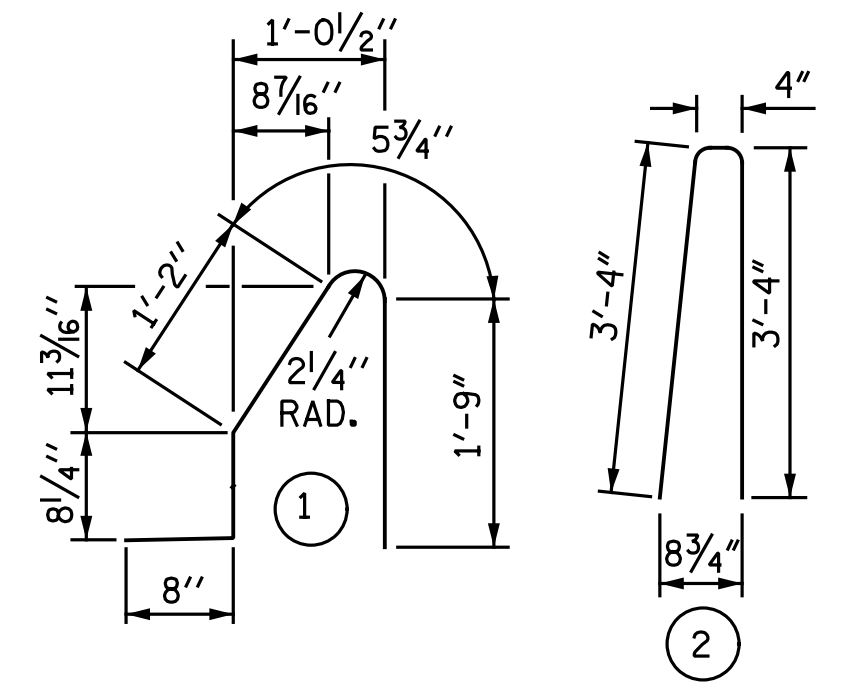
NOTES:

THE BARRIER RAIL IN A CONTINUOUS UNIT SHALL NOT BE CAST UNTIL ALL SLAB CONCRETE IN THAT 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.

BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT

BILL OF MATERIAL

FOR CONCRETE BARRIER RAIL ONLY

BAR NO.	SIZE	TYPE	LENGTH	WEIGHT
B1E	1100	5 STR	23' - 4"	26,770
B2E	44	5 STR	22' - 3"	1,021
S1E	2466	5	4' - 9"	12,217
S2E	2466	5	7' - 0"	18,004

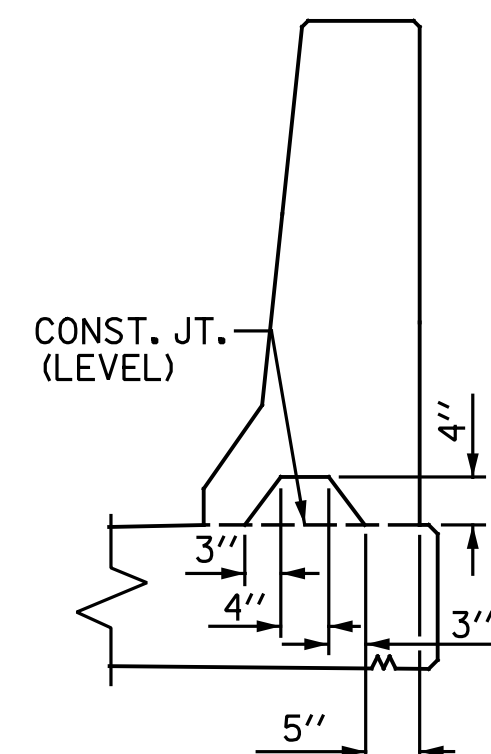
EPOXY COATED REINFORCING STEEL 58,012 LBS.

CLASS AA CONCRETE 335.2 CU. YDS.

▲ CONCRETE BARRIER RAIL 2,505.8 LIN. FT.

"E" SUFFIX DENOTES EPOXY COATED REINFORCING STEEL

▲ LENGTH OF VERTICAL CONCRETE BARRIER RAIL ON APPROACH SLABS ARE INCLUDED IN THIS LENGTH.

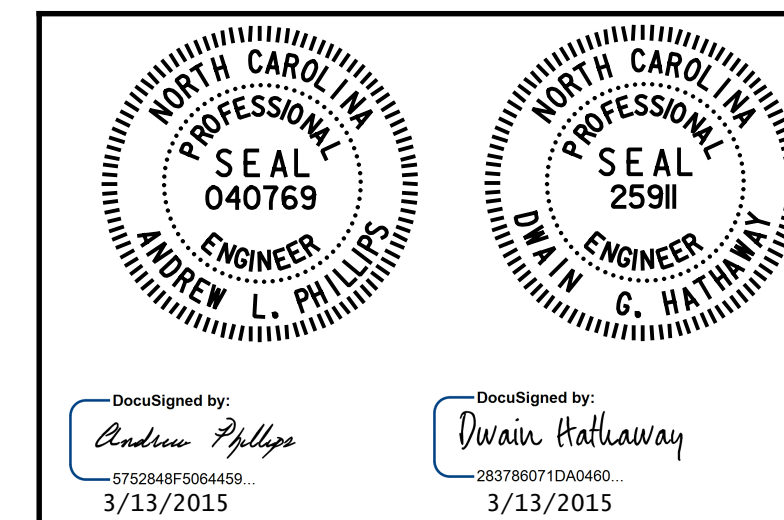


SECTION S-S

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

PROJECT NO. R-2514D
 JONES COUNTY
 STATION: 389+47.50 -L-

SHEET 5 OF 5



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 SUPERSTRUCTURE
 CONCRETE BARRIER RAIL

RIGHT LANE

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S08-29
1			3			TOTAL SHEETS
2			4			68

DRAWN BY : M. D. MAYHEW DATE : 8-13-13
 CHECKED BY : A. L. PHILLIPS DATE : 8-23-13

DWG. 29 OF 68

Baker

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