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 9/2/2021 4:02:13 PM pdf_color_gfclt_FS.plt Rowan.pen.tbl

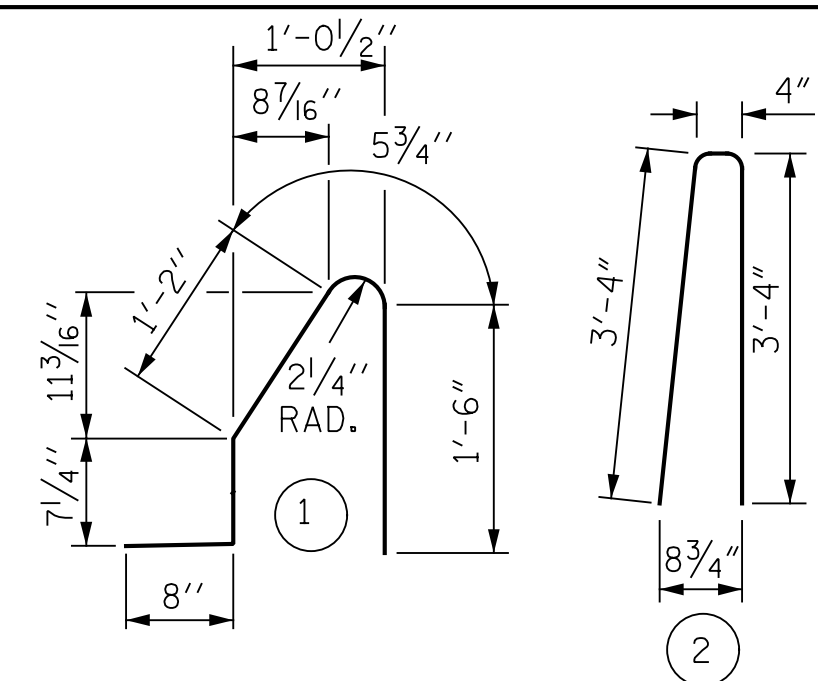
NOTES

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 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.

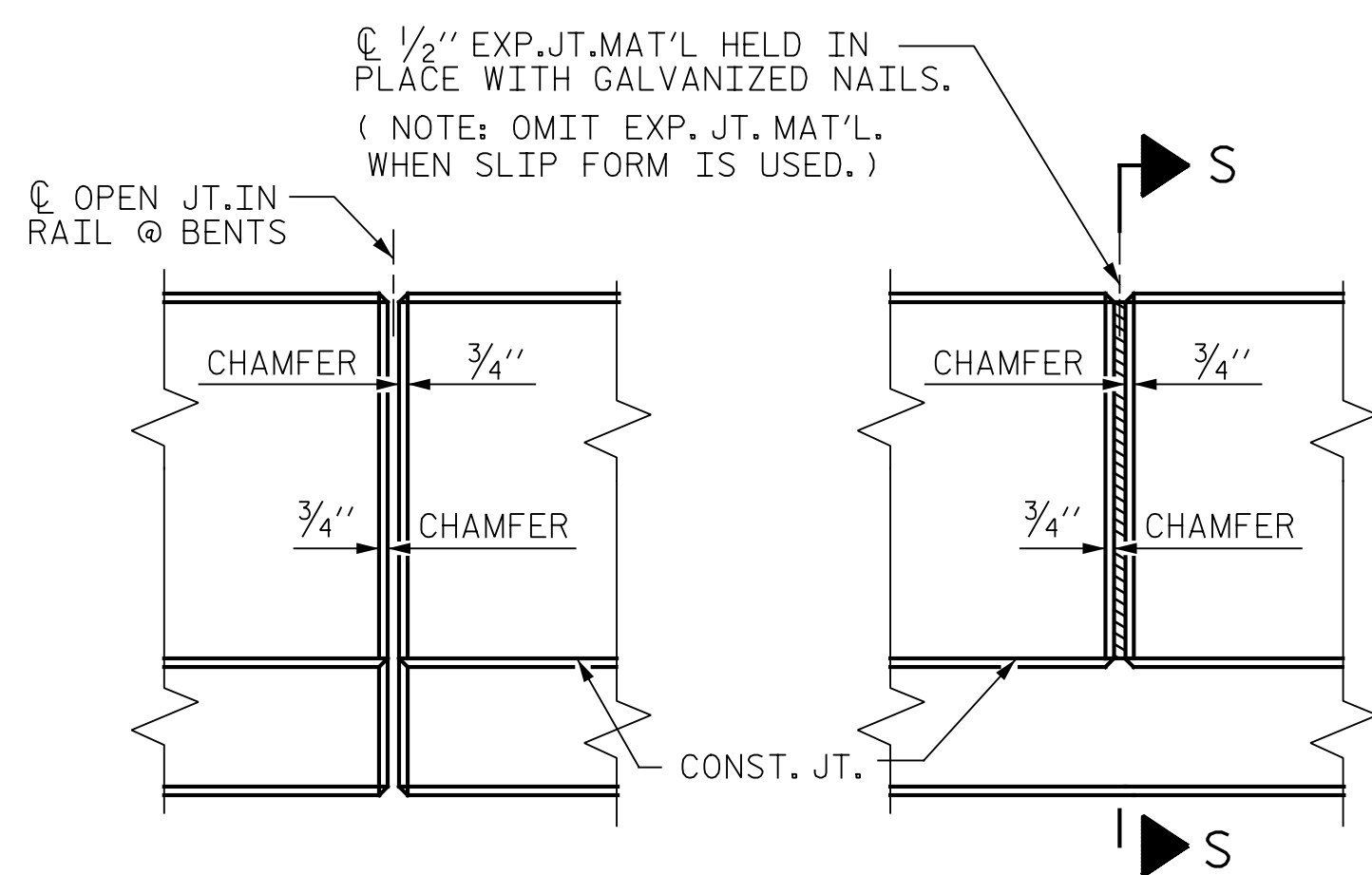
PLAN DIMENSIONS ARE MEASURED ALONG OUTSIDE FACE OF BARRIER RAIL.



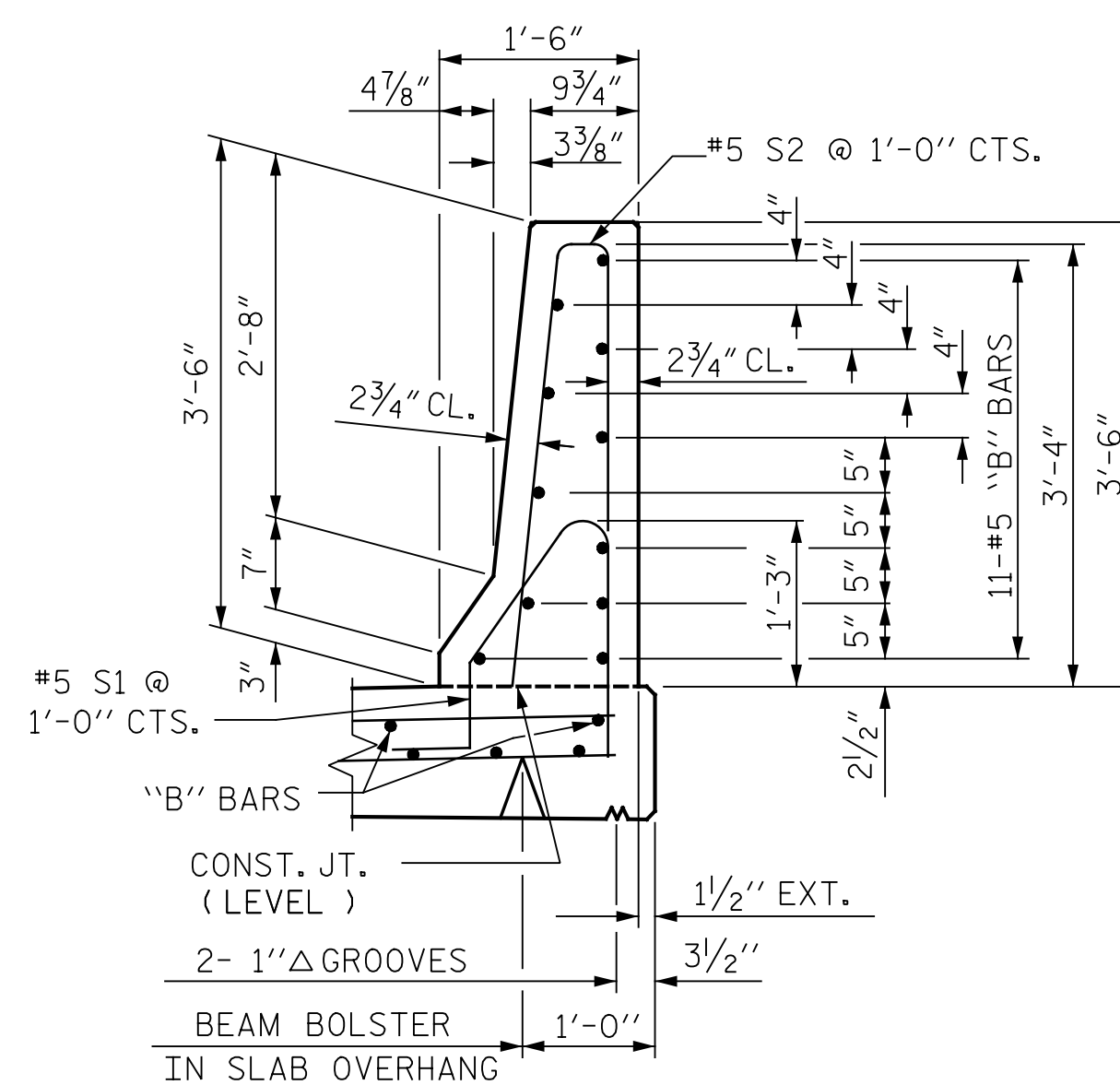
ALL BAR DIMENSIONS ARE OUT TO OUT

BILL OF MATERIAL

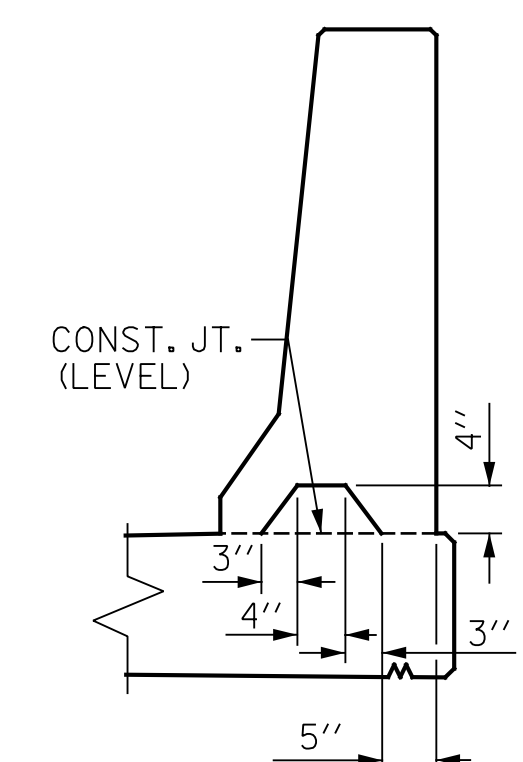
FOR CONCRETE BARRIER RAIL ONLY					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
* B1	22	#5	STR.	21'-11"	503
* B2	352	#5	STR.	21'-7"	7,924
* B3	121	#5	STR.	23'-1"	2,913
* B4	44	#5	STR.	22'-10"	1,048
* B5	44	#5	STR.	28'-6"	1,308
* B6	198	#5	STR.	27'-7"	5,696
* B7	22	#5	STR.	24'-7"	564
* B8	121	#5	STR.	26'-7"	3,355
* B9	22	#5	STR.	22'-7"	518
* B10	11	#5	STR.	27'-1"	311
* B11	44	#5	STR.	15'-9"	723
* S1	2,208	#5	1	4'-5"	10,171
* S2	2,208	#5	2	7'-0"	16,121
* EPOXY COATED REINFORCING STEEL					51,155 LBS.
CLASS AA CONCRETE					298.5 CU. YDS.
CONCRETE BARRIER RAIL					2,197.76 LIN. FT.



ELEVATION AT EXPANSION JOINTS
BARRIER RAIL DETAILS



SECTION THRU RAIL



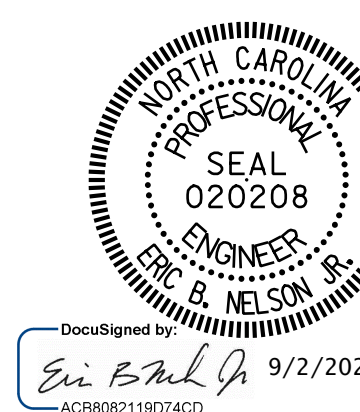
SECTION S-S
AT DAM IN OPEN JOINT
(THIS IS TO BE USED ONLY
WHEN SLIP FORM IS USED)

PROJECT NO. B-4626
STANLY, ROWAN
AND DAVIDSON COUNTY
 STATION: 45+22.65 -EBL-

SHEET 5 OF 5

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

STANDARD
CONCRETE
BARRIER RAIL



DocuSigned by:
Eric B. Nelson
9/2/2021
1628802119274C0

PLANS PREPARED BY:
Gannett Fleming
Excellence Delivered As Promised
One Glenwood Avenue
Suite 900
Raleigh, NC 27603
(919) 420-7660
NC Lic. No. F-0270

DOCUMENT NOT CONSIDERED
FINAL UNLESS ALL
SIGNATURES COMPLETED

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	1-49
1			3			TOTAL SHEETS
2			4			125

ASSEMBLED BY : J. MYA	DATE : 04/2021
CHECKED BY : R. FISHER	DATE : 04/2021
DRAWN BY : ARB 5/87	REV. 7/12 MAA/GM
CHECKED BY : SJD 9/87	REV. 6/13 MAA/GM
	REV. 12/17 MAA/THC

STD. NO. CBR1