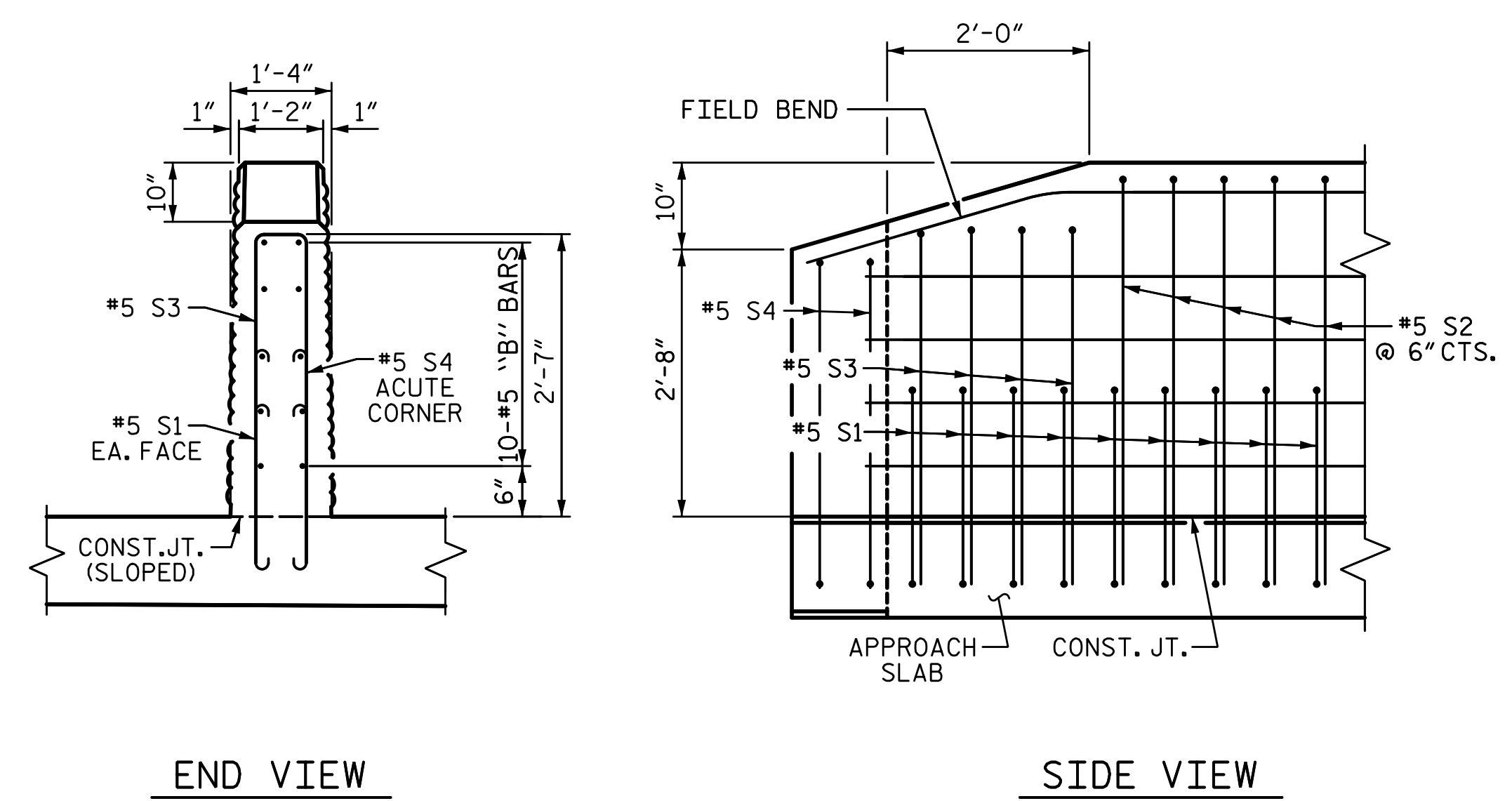


3/23/2023 8:07:00 AM P:\Raleigh\Projects\2018\Division 13 (SEA)\B-5869 (Burke 99)\Structures\Drawings\2\Final\2\B5869\_SMU\_BR\_110099(2).dgn



END VIEW SIDE VIEW

**END OF RAIL DETAILS**

**NOTES:**

THE BARRIER RAIL IN 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 RAIL SHALL BE EPOXY COATED.

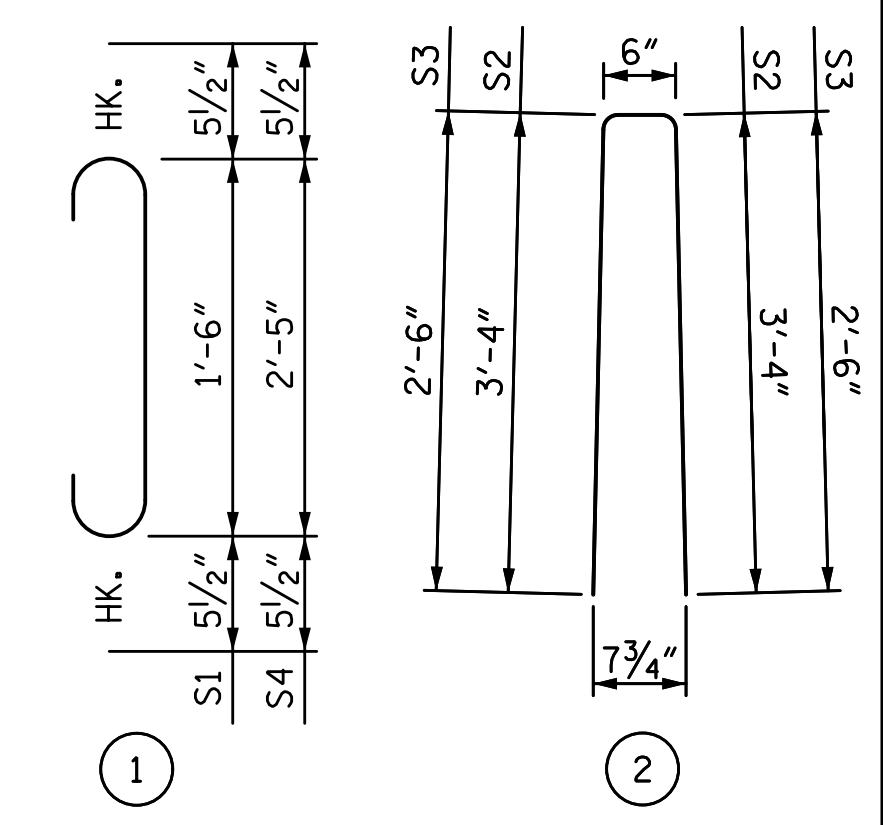
\*S1 BARS MAY BE SHIFTED SLIGHTLY AS NECESSARY TO AVOID INTERFERENCE WITH DECK STEEL.

FOR ARCHITECTURAL CONCRETE SURFACE TREATMENT, SEE SPECIAL PROVISIONS

FOR APPLICATION OF BRIDGE COATING, SEE SPECIAL PROVISIONS.

THE COST OF FORM LINERS AND SPECIAL SURFACE FINISH ARE INCLUDED IN LUMP SUM PRICE BED FOR ARCHITECTURAL SURFACE TREATMENT.

**BAR TYPES**



ALL BAR DIMENSIONS ARE OUT TO OUT

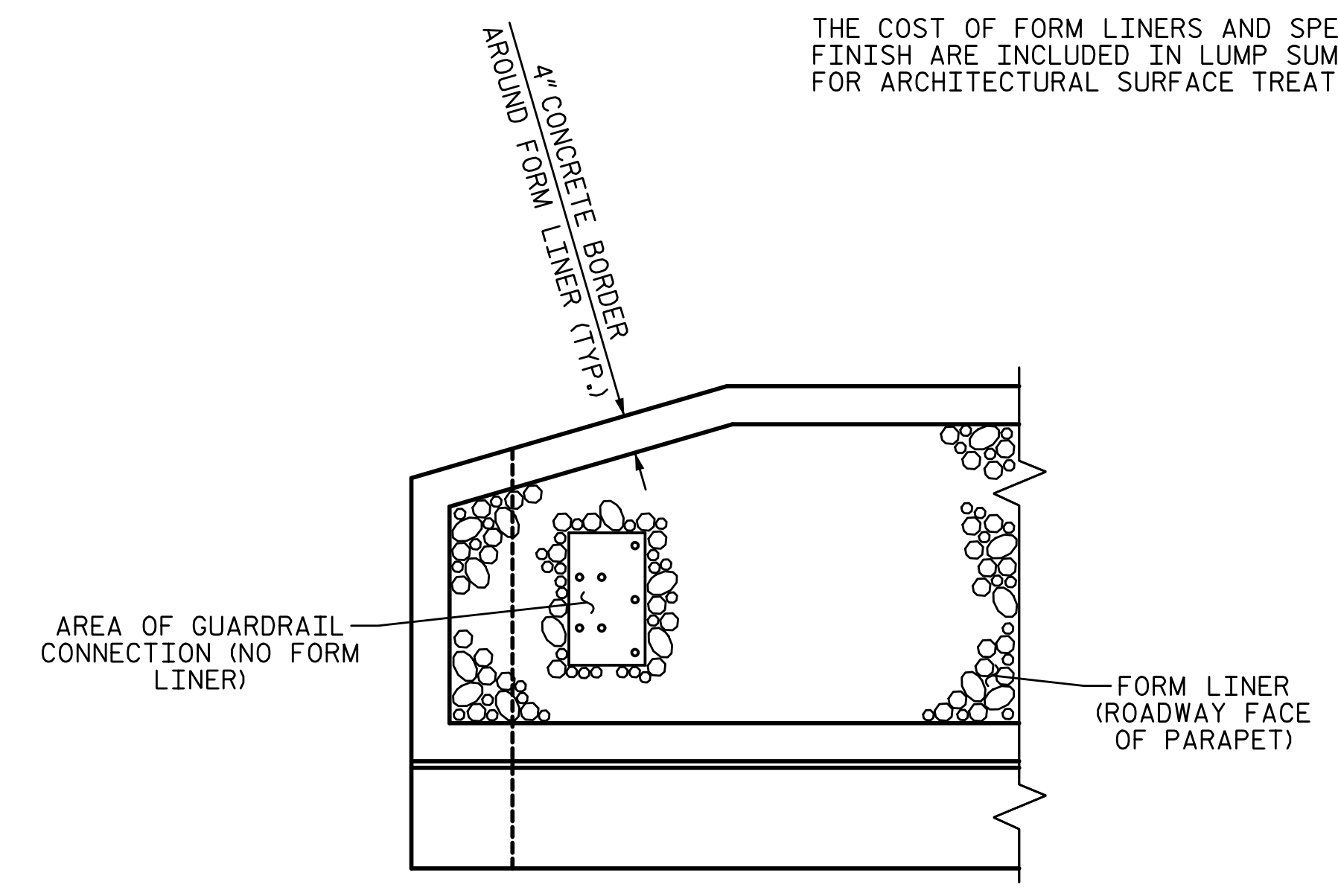
**BILL OF MATERIAL**

FOR VERTICAL CONCRETE BARRIER RAIL ONLY					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
* B1	20	#5	STR	24'-7"	513
* B2	20	#5	STR	11'-7"	242
* B3	80	#5	STR	20'-7"	1,717
* B4	20	#5	STR	24'-1"	502
* B5	20	#5	STR	14'-10"	309
* S1	578	#5	1	2'-5"	1,457
* S2	285	#5	2	7'-2"	2,130
* S3	4	#5	2	5'-6"	23
* S4	12	#5	1	3'-4"	42

\* EPOXY COATED REINFORCING STEEL 6,935 LB

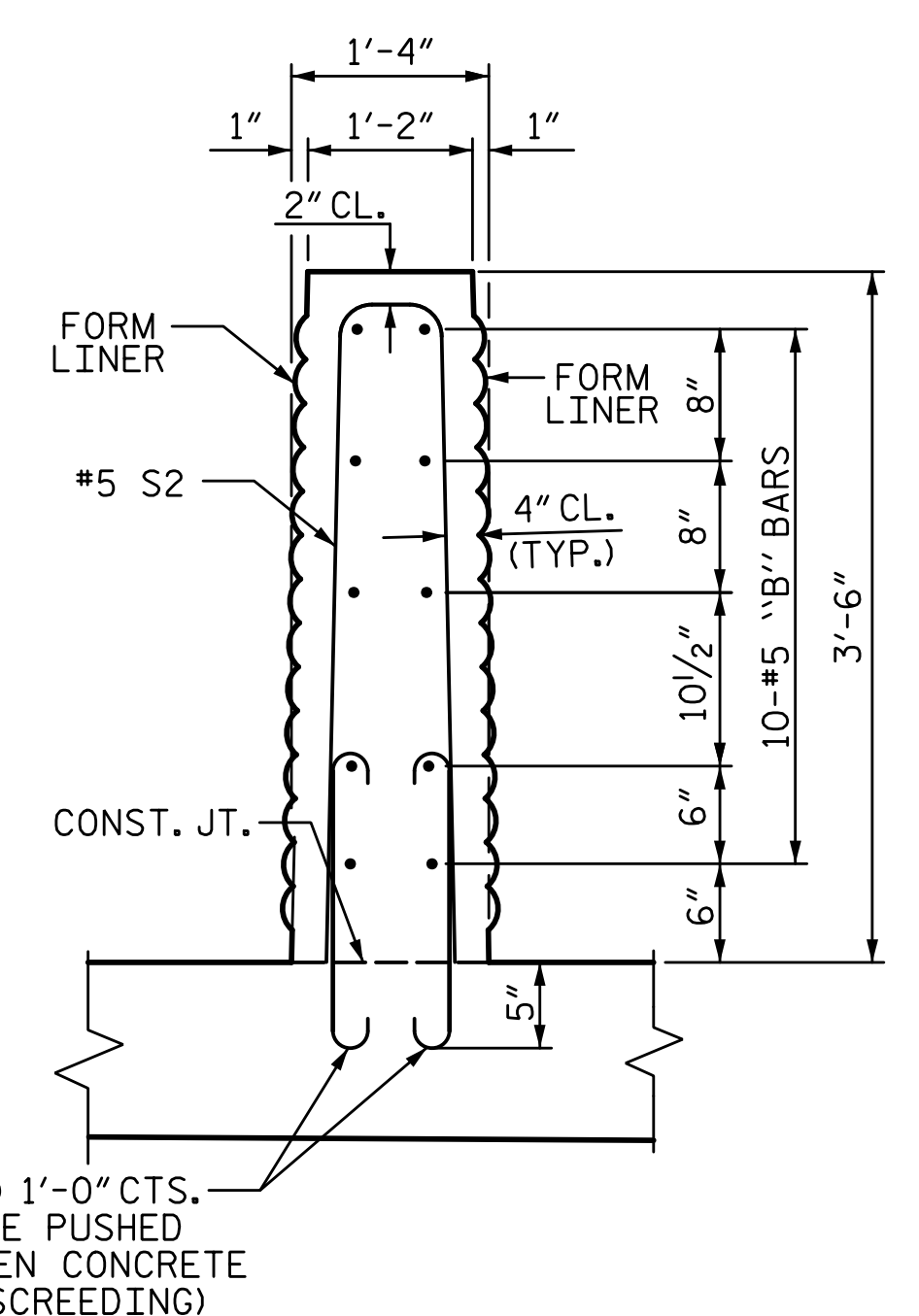
CLASS AA CONCRETE 46.6 CY  
VERTICAL CONCRETE

BARRIER RAIL 287.46 LF  
\* EPOXY COATED REINFORCING STEEL

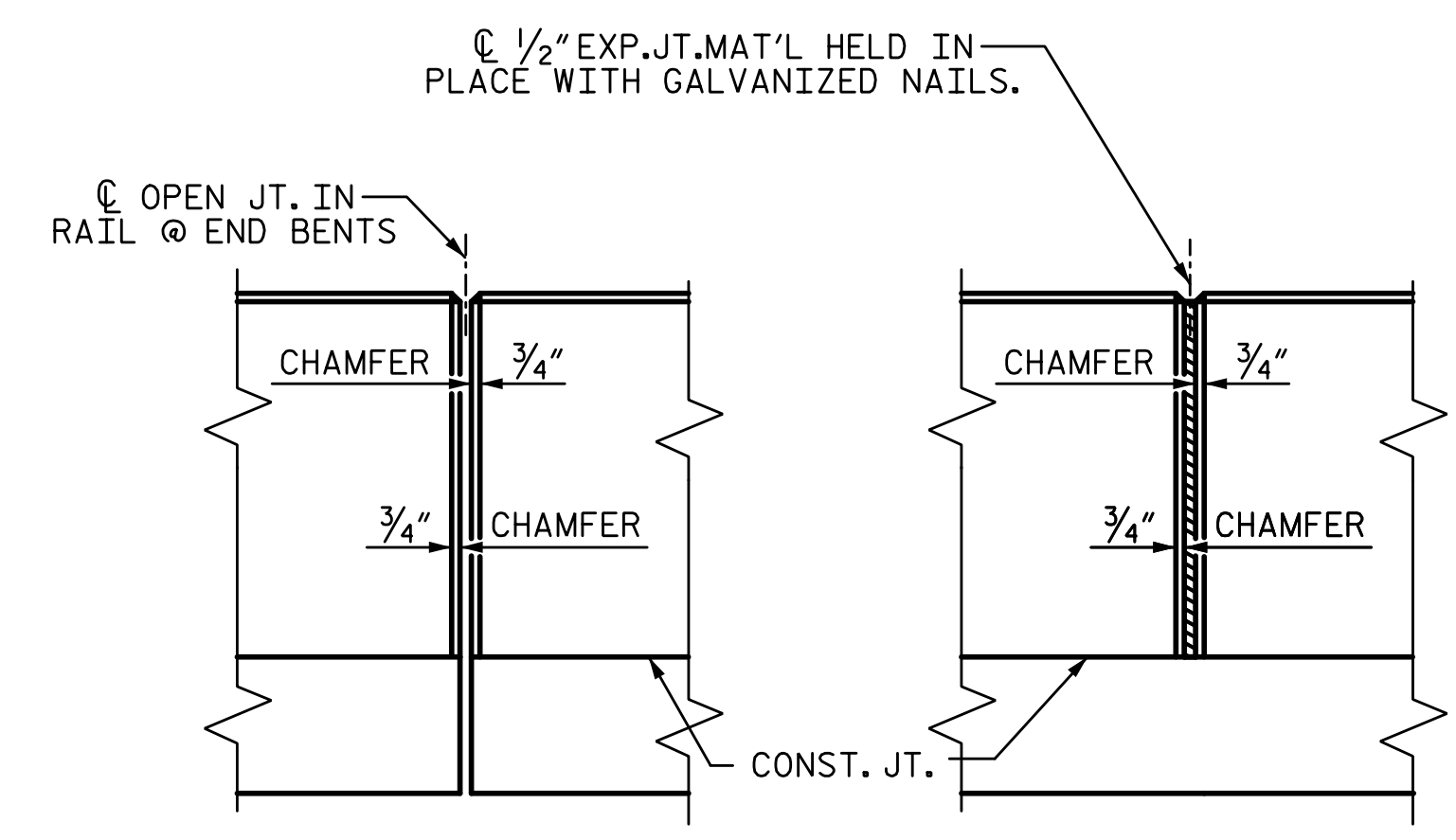


**FORM LINER DETAIL**

FOR LOCATION OF GUARDRAIL CONNECTION AND AREA WITH NO FORM LINER SEE "GUARDRAIL ANCHORAGE DETAILS" SHEET



SECTION THRU RAIL



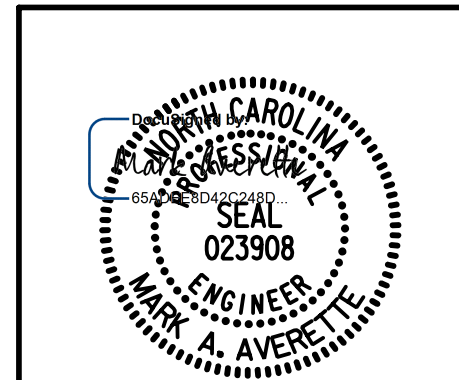
ELEVATION AT EXPANSION JOINTS

**BARRIER RAIL DETAILS**

PROJECT NO. B-5869  
BURKE COUNTY  
STATION: 21+62.39 -L-

SHEET 2 OF 2

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



DRAWN BY: S.D. COOPER DATE: 3-2022  
CHECKED BY: M. AVERETTE DATE: 3-2022  
DESIGN ENGINEER OF RECORD: M. AVERETTE DATE: 3-2022

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-36
1			3			TOTAL SHEETS
2			4			72

LICENSURE NO. C-4434  
**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**