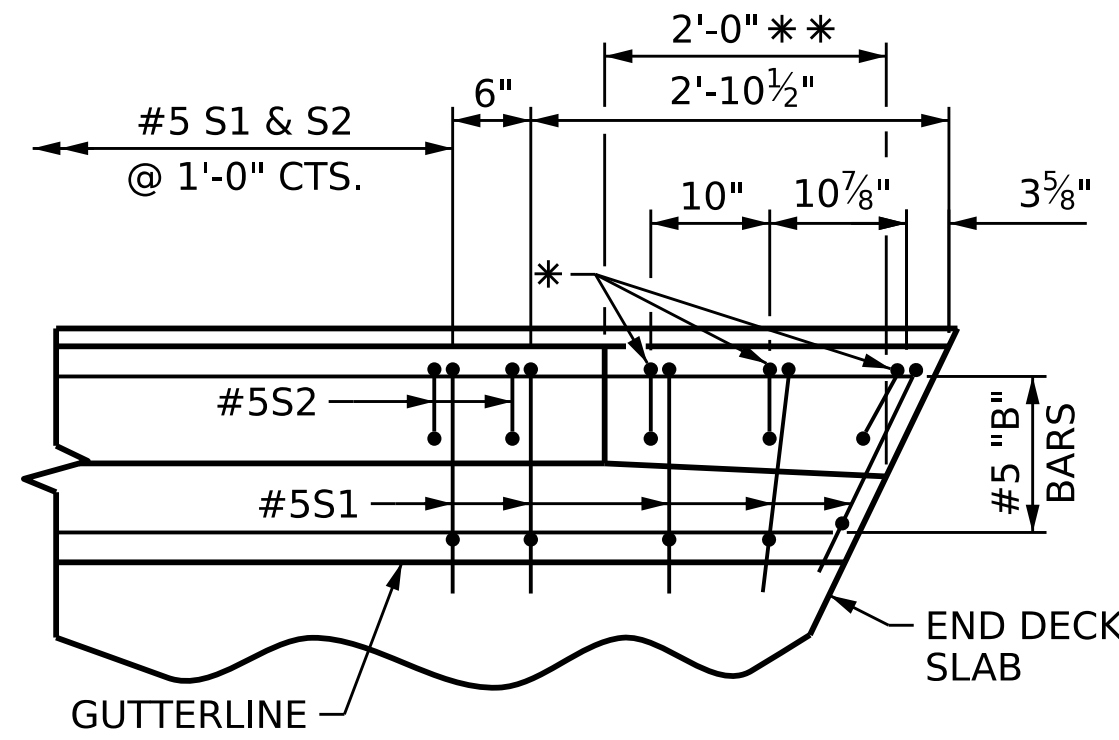
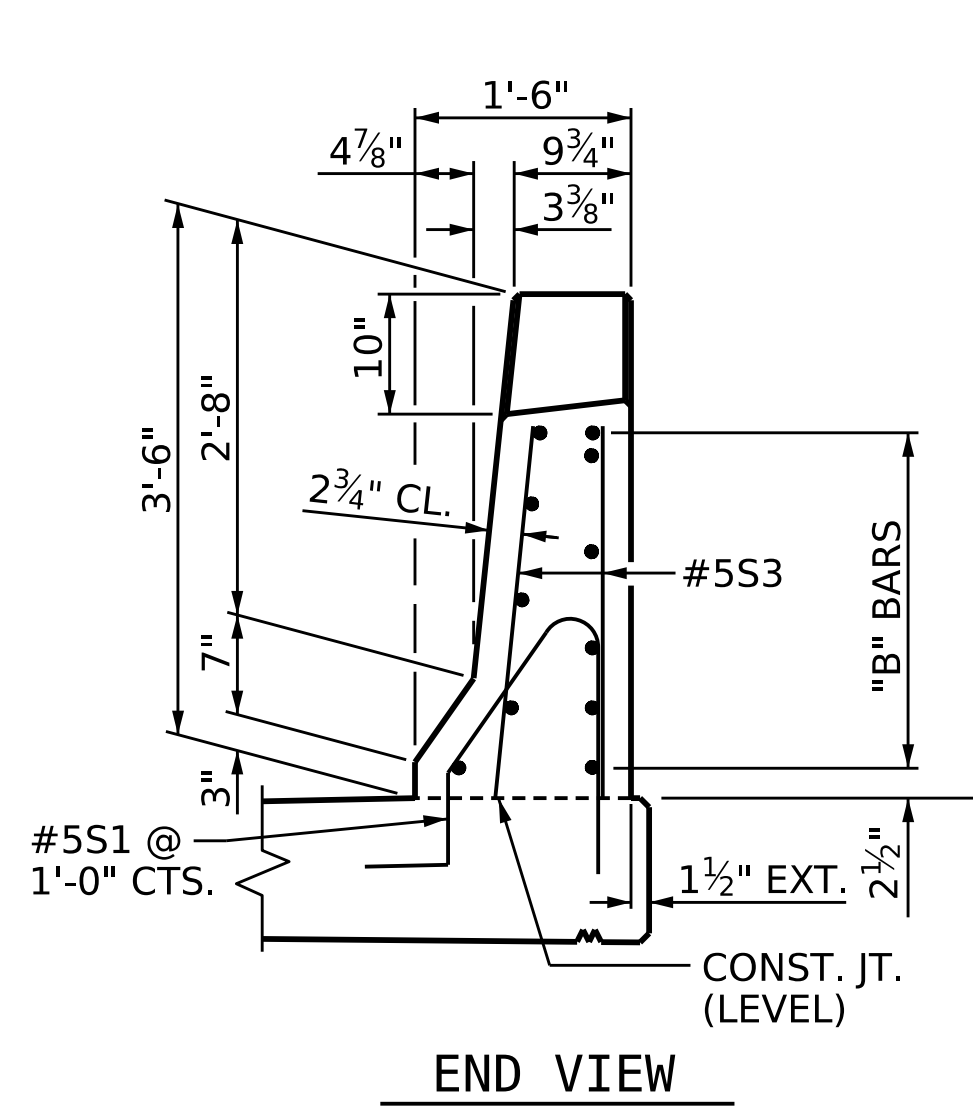


PLAN @ END BENT 1
(END BENT 2 SIMILAR BUT MIRRORED)

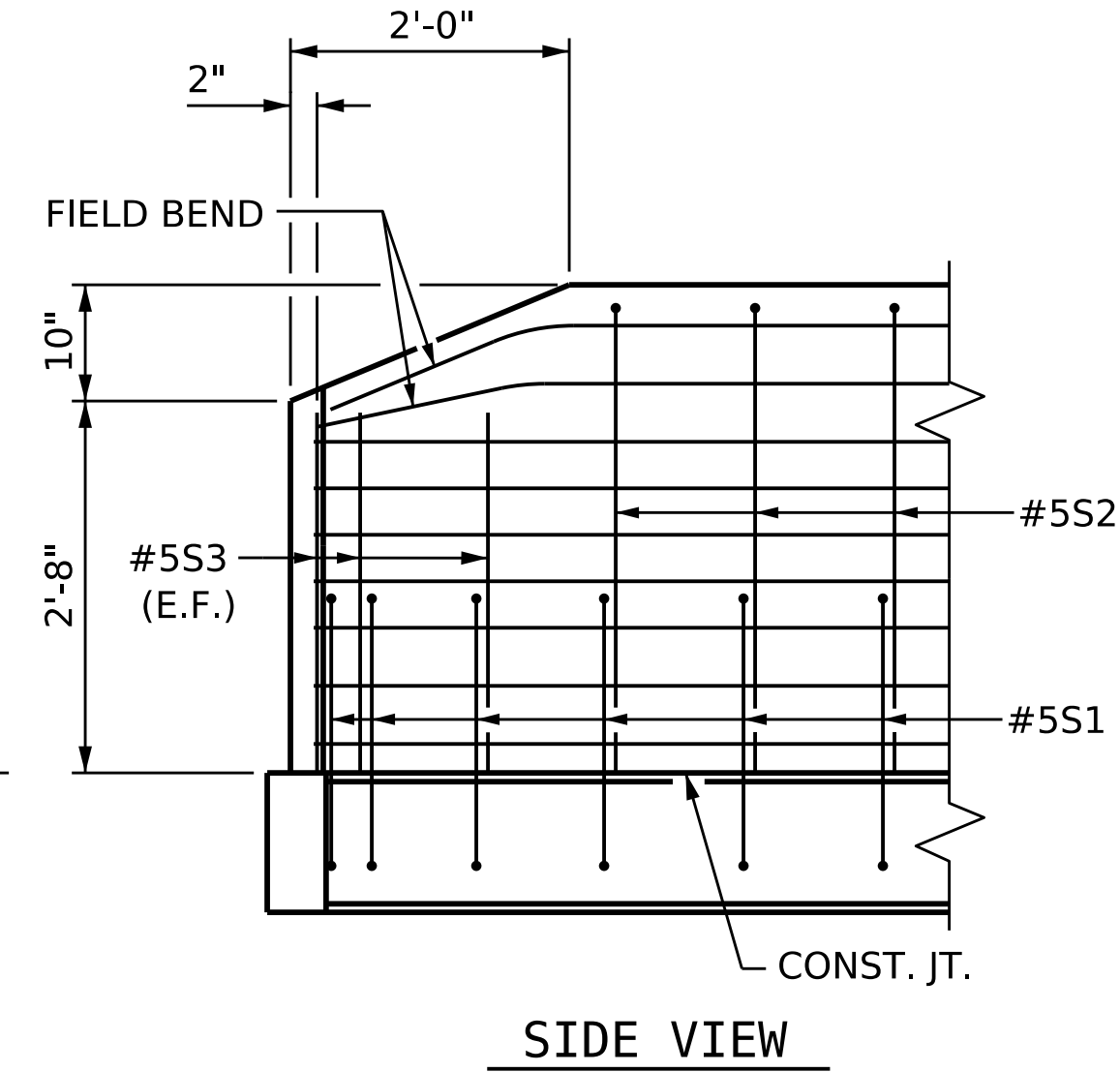


PLAN @ END BENT 2
(END BENT 1 SIMILAR BUT MIRRORED)

- * #5S2 AT LEFT SIDE, #5S3 (PAIRS) AT RIGHT SIDE
#5S2 SHOWN
- ** TRANSITION AT RIGHT SIDE ONLY



END VIEW



SIDE VIEW

END OF RAIL DETAILS

(TRANSITION TO 2'-8" HEIGHT APPLIES TO RIGHT SIDE ONLY)

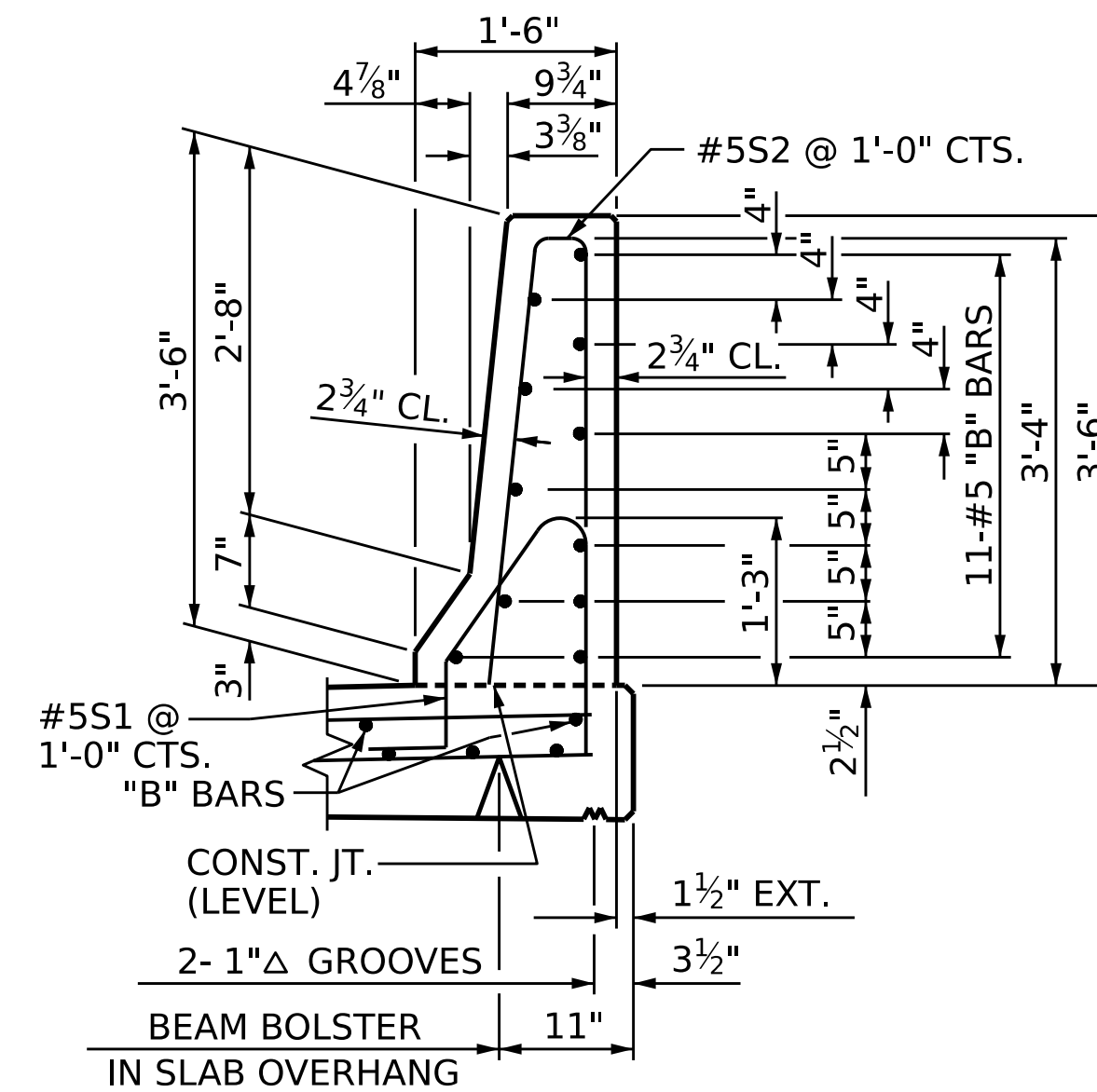
NOTES:

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.

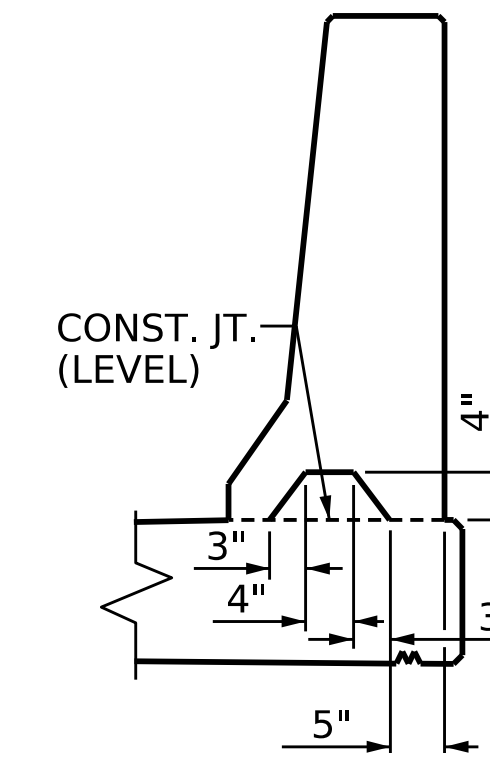
GROOVED CONTRACTION JOINTS, 1/2" IN DEPTH, SHALL BE TOOLED IN ALL EXPOSED FACES OF THE BARRIER RAIL IN ACCORDANCE WITH ARTICLE 825-10(B) OF THE STANDARD SPECIFICATIONS. THE CONTRACTION JOINT SHALL BE LOCATED AT EACH THIRD POINT BETWEEN BARRIER RAIL EXPANSION JOINTS. ONLY ONE CONTRACTION JOINT IS REQUIRED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

THE #5S1 AND #5S2 BARS MAY BE SHIFTED SLIGHTLY IN ORDER TO MAINTAIN A 2" MIN. CLEARANCE TO THE 1/2" EXPANSION JOINT MATERIAL IN THE PARAPET.

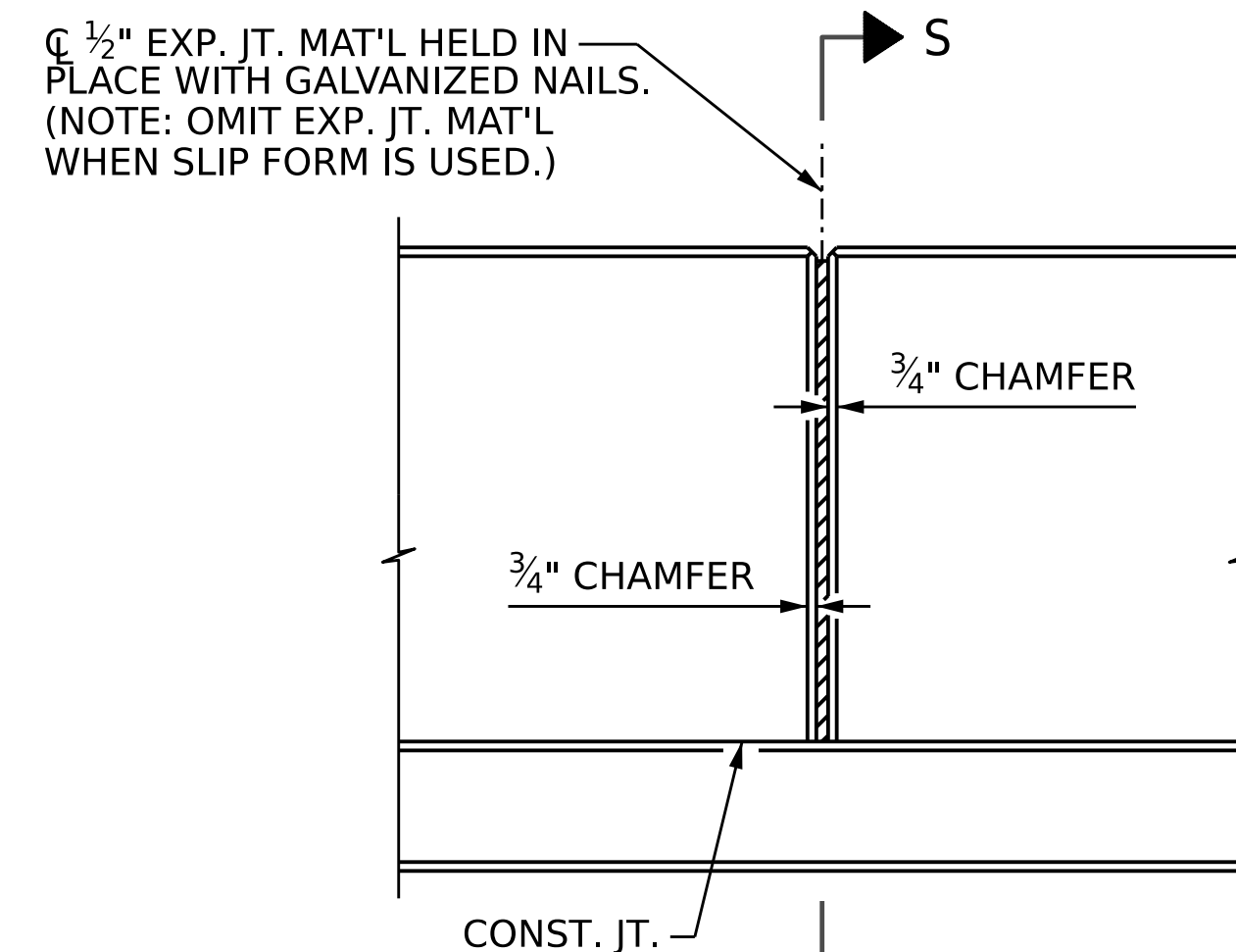


SECTION THRU RAIL



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

BILL OF MATERIAL					
FOR CONCRETE BARRIER RAIL ONLY					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
* B1	132	5	STR	27'-7"	3,798
* B2	88	5	STR	11'-3"	1,033
* S1	416	5	1	4'-7"	1,989
* S2	410	5	2	7'-0"	2,993
* S3	12	5	STR	2'-6"	31
* EPOXY COATED REINFORCING STEEL					9,844 LBS.
CLASS AA CONCRETE					55.9 C.Y.
CONCRETE BARRIER RAIL					411.1 L.F.
BAR TYPES					
ALL BAR DIMENSIONS ARE OUT TO OUT.					



ELEVATION AT EXPANSION JOINTS

BARRIER RAIL DETAILS

PROJECT NO. B-3186 / B-5898

HAYWOOD COUNTY

STATION: 24+42.26 -L_RT-

SHEET 2 OF 2

AECOM
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AECOM License No. F0242

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL
054212
AUSTIN VANVUREN

10/18/2023

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

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	TOTAL SHEETS
1			3			31
2			4			

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

ASSEMBLED BY : A.R. VAN VUREN	DATE : 04/2023
CHECKED BY : A.K. VASUDEVAN	DATE : 04/2023
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