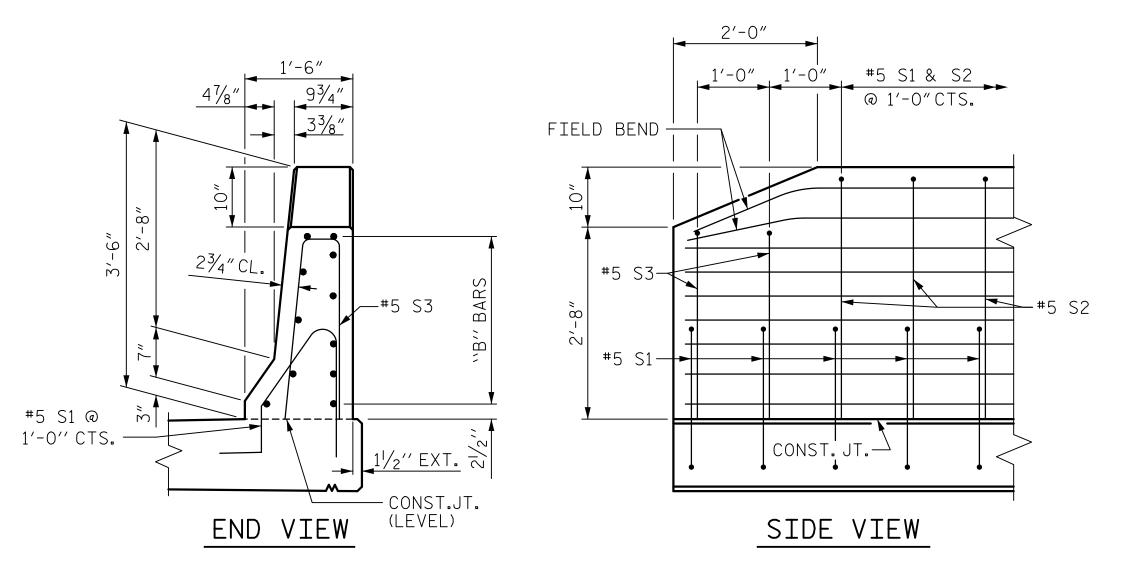
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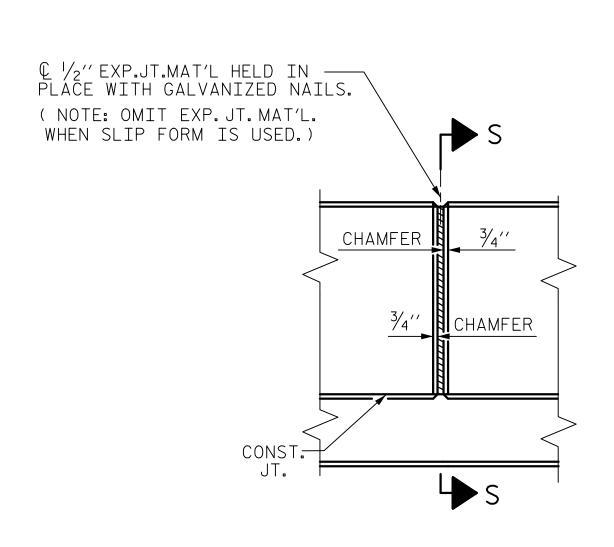
THE BARRIER RAIL IN EACH SPAN SHALL NOT BE CAST UNTIL ALL SLAB CONCRETE IN THAT SPAN HAS BEEN CAST AND HAS REACHED A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI.

ALL REINFORCING STEEL IN BARRIER RAILS SHALL BE EPOXY COATED.

GROOVED CONTRACTION JOINTS,  $\frac{1}{2}$ " 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.



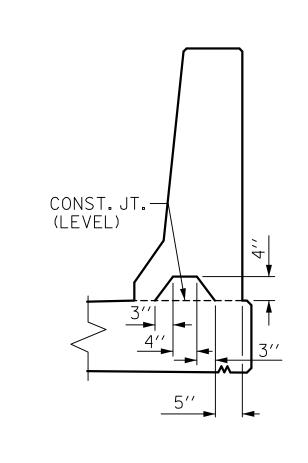
## END OF RAIL DETAILS



ELEVATION AT EXPANSION JOINTS

\_\_#5 S2 @ 1'-0'' CTS. #5 S1 @ 1'-0'' CTS.-"B" BARS CONST.JT.  $1\frac{1}{2}$  EXT. (LEVEL) 2- 1″△GROOVES BEAM BOLSTER IN SLAB OVERHANG SECTION THRU RAIL

BARRIER RAIL DETAILS



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

B-5980 PROJECT NO. NASH

COUNTY

STATE OF NORTH CAROLINA

DEPARTMENT OF TRANSPORTATION
RALEIGH

BAR TYPES

ALL BAR DIMENSIONS ARE OUT TO OUT

BILL OF MATERIAL

FOR CONCRETE BARRIER RAIL ONLY

BAR | NO. |SIZE|TYPE|LENGTH | WEIGHT

\*B1 | 66 | 5 | STR | 28'-8" | 1973

\*B2 | 88 | 5 | STR | 16'-0''

\*B3 | 66 | 5 | STR | 28'-2"

\* S1 | 468 | 5 | 1

\*S2 | 452 | 5 | 2 |

\*S3 | 8 | 5 | 3 |

\* EPOXY COATED

REINFORCING STEEL

CLASS AA CONCRETE CONCRETE BARRIER RAIL

2

1469

1939

2176

3300

10,902 LBS.

62.6 CU. YDS.

460.31 LIN. FT.

45

4'-6''

7′-0′′

5′-5′′

1'-01/2'

8′′

42+56.82 -Y1-STATION:

SHEET 2 OF 2



SEAL 030474

SUPERSTRUCTURE

CONCRETE BARRIER RAIL

REVISIONS					SHEET NO.
BY:	DATE:	NO.	BY:	DATE:	S-19
		3			TOTAL SHEETS
		4			34

OCUMENT NOT CONSIDERED FINAL UNLESS ALL

SIGNATURES COMPLETED

STD. NO. CBRI

ASSEMBLED BY : K.J. MUENCH CHECKED BY : D. RITACCO DATE: 04/2019 DATE: 04/2019 MAA/GM MAA/GM MAA/GM DRAWN BY: ARB 5/87 CHECKED BY: SJD 9/87