2'-5"

SECTION B-B

DWG BY: B. PETERSON

CHK BY: M. NEIHEISEL

DATE : 04/19

_ DATE : 05/19

MEDIAN BARRIER DETAILS

(TYPE T)

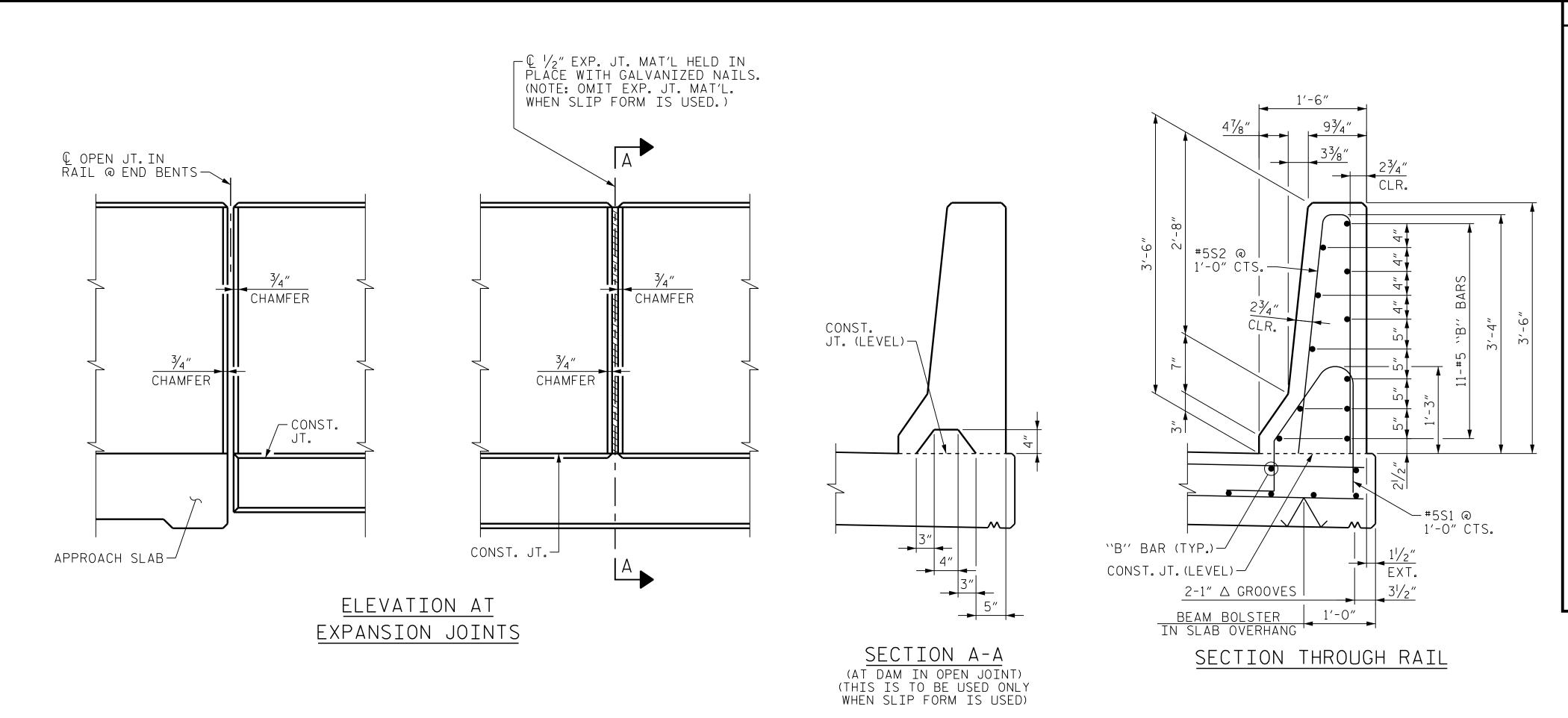
DATE: 03/19

_ DATE : 05/19

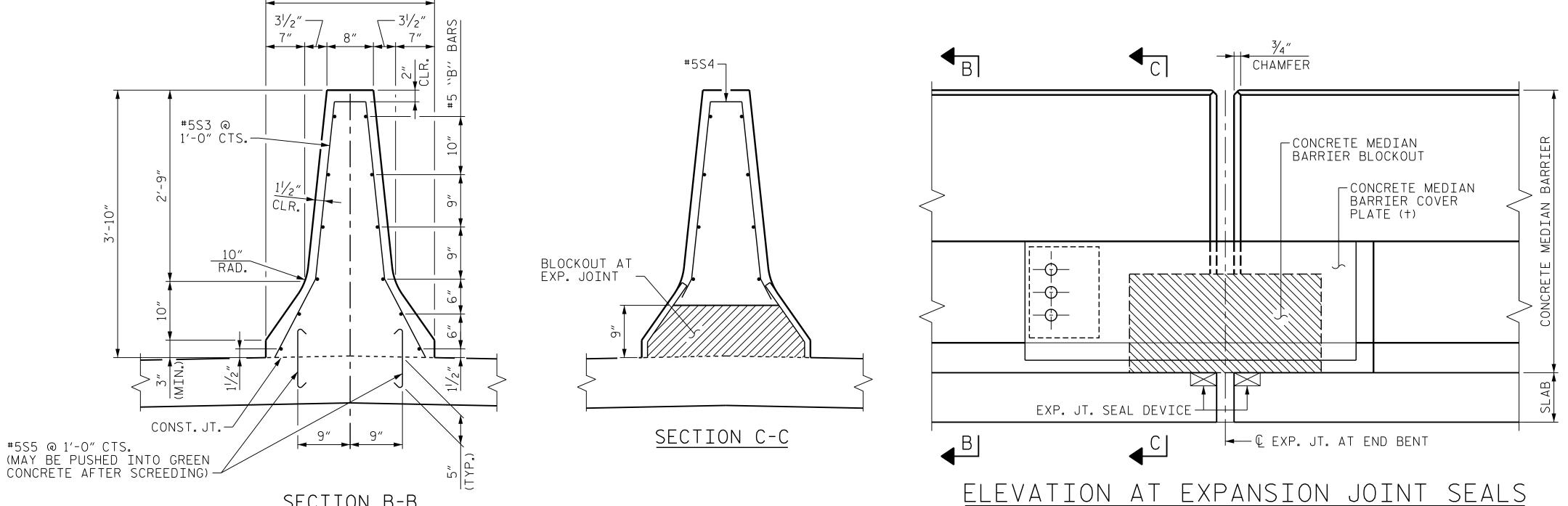


DES BY: A. MILLER

DES CHK: M. NEIHEISEL



BARRIER RAIL DETAILS



SIZE TYPE | LENGTH | WEIGH #5 STR. 28′-7″ 66 #5 STR. 25′-7″ 2348 **∗** B2 88 #5 STR. **∗** B3 15′-6″ STR. 14'-0" **∗** B4 44 #5 642 #5 **∗** S1 488 4′-6″ 2290 3563 #5 488 7′-0″ ***** S2 * EPOXY COATED REINFORCING STEEL 11**,**522 LBS CLASS AA CONCRETE 66.0 CU. YDS 8" CONCRETE BARRIER RAIL 485.5 LIN.F BILL OF MATERIAL ▲ FOR CONCRETE MEDIAN BARRIER ONLY SIZE | TYPE | LENGTH | WEIGH NO. #5 STR. 1073 **∗** B1 36 28′-7″ #5 **∗** B2 48 STR. 25′-7″ 1281 **∗** B3 #5 15′-6″ 388 24 STR. **∗** B4 #5 STR. 14'-0" 350 24 **₩** B5 24 #5 STR. 16′-7″ 415 #5 STR. 10'-0" 501 **∗** B6 48 2484 304 7'-10" ***** S4 #5 25 6′-0″ #5 1163 **∗** S5 608 4 1'-10" * EPOXY COATED 7,680 LBS REINFORCING STEEL CLASS AA CONCRETE 54.8 CU. YDS ALL BAR DIMENSIONS ARE OUT TO OUT CONCRETE MEDIAN BARRIER 309.7 LIN.F

BILL OF MATERIAL

■ FOR CONCRETE BARRIER RAIL ONLY

■ QUANTITY FOR BARRIER RAIL ON APPROACH SLAB NOT INCLUDED. SEE APPROACH SLAB DETAILS.

BAR TYPES

▲ INCLUDES QUANTITIES FOR MEDIAN BARRIER ON APPROACH SLAB.

NOTES

THE BARRIER RAIL AND CONCRETE MEDIAN BARRIER 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 THE 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 CONCRETE MEDIAN 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.

THE #5 "S" BARS MAY BE SHIFTED SLIGHTLY AS NECESSARY IN ORDER TO MAINTAIN A 2"MINIMUM CLEARANCE TO THE 1/2" EXPANSION JOINT MATERIAL IN THE BARRIER RAIL AND CONCRETE MEDIAN BARRIER.

THE #5 ``S'' BARS MAY BE SHIFTED SLIGHTLY IN ORDER TO MAINTAIN A 2"MINIMUM CLEARANCE TO THE EXPANSION JOINT COVER PLATE ASSEMBLY IN THE CONCRETE MEDIAN BARRIER AT THE END BENTS.

> PROJECT NO. U-2579AB FORSYTH COUNTY

STATION: 47+28.33 -Y15REV-

SHEET 2 OF 2

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION SUPERSTRUCTURE CONCRETE BARRIER RAILS AND MEDIAN BARRIER DETAILS

REVISIONS NO. BY: DATE: BY: DATE:

29589

HDR Engineering, Inc. of the Carolinas 555 Fayetteville St., Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116

(+) SEE "SUPERSTRUCTURE EXPANSION JOINT SEAL DETAILS FOR MEDIAN BARRIER RAIL"

SHEET 3 OF 4 FOR COVER PLATE DETAILS

S03-30 TOTAL SHEETS DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED