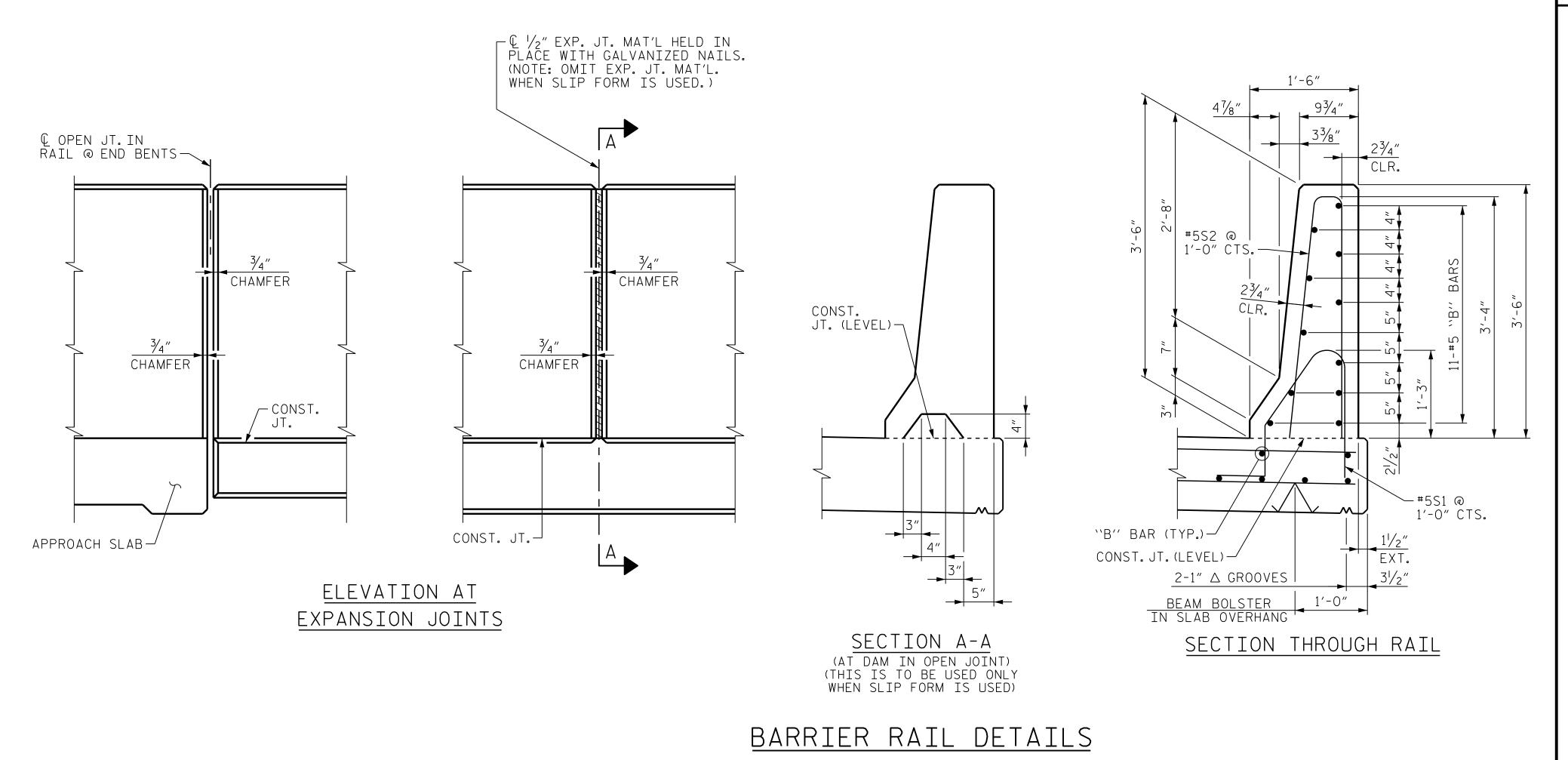
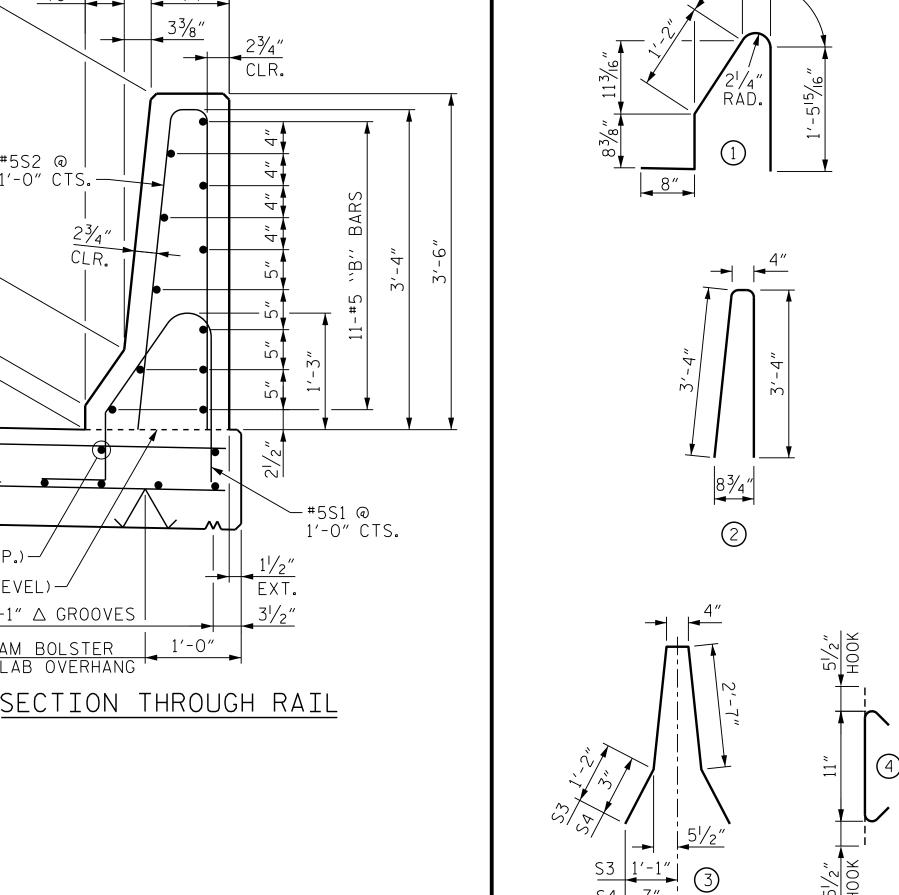


DES BY: H. ABU NIMEH

DES CHK: L. GUALTIERI





STR **∗** B4 22 #5 13′-5″ 308 230 4'-6" **∗** S1 230 #5 1680 7′-0″ **∗** S2 * EPOXY COATED 5439 LBS REINFORCING STEEL CLASS AA CONCRETE 31.3 CU. YDS CONCRETE BARRIER RAIL 229.8 LIN.F BILL OF MATERIAL ■ FOR STAGE II CONCRETE BARRIER RAIL ONL' SIZE | LENGTH | WEIGH TYPE #5 STR 25′-7″ 1175 44 #5 24'-7" **∗** B2 33 STR **∗** B5 339 #5 STR 14'-9" 22 STR 318 **∗** B6 #5 13′-10″ 22 231 4'-6" 1085 **∗** S2 231 #5 7′-0″ 1687 * EPOXY COATED 5451 LBS REINFORCING STEEL CLASS AA CONCRETE 31.3 CU. YDS CONCRETE BARRIER RAIL 229.8 LIN. BILL OF MATERIAL ▲ FOR CONCRETE MEDIAN BARRIER ONLY NO. SIZE TYPE | LENGTH | WEIGH STR **∗** B7 48 25′-7″ 1281 STR **∗** B8 #5 24'-7" 924 STR **∗** B9 24 #5 15′-1″ 378 13′-9″ 345 24 #5 STR ***** B10 STR | 14'-9" | **★** B11 48 #5 739 280 7′-10″ 2288 **∗** S3 #5 #5 6′-0″ 26 ***** S4 4 560 #5 1'-10" 1071 **∗** S5 4 * EPOXY COATED 7052 LBS REINFORCING STEEL CLASS AA CONCRETE 49.8 CU. YDS ALL BAR DIMENSIONS ARE OUT TO OUT CONCRETE MEDIAN BARRIER

BILL OF MATERIAL

■ FOR STAGE I CONCRETE BARRIER RAIL ONL'

STR

STR

STR

TYPE | LENGTH | WEIGH

25′-7″

24'-7"

15′-2″

1175

847

349

SIZE

#5

44

22

∗ B2

∗ B3

- QUANTITY FOR BARRIER RAILS ON APPROACH SLAB NOT INCLUDED. SEE APPROACH SLAB DETAILS.
- ▲ 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.

BAR TYPES

ALL REINFORCING STEEL IN THE BARRIER RAILS AND CONCRETE MEDIAN BARRIER RAIL 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 DOCUMENT AND REPORT OF THE RESERVENCE OF THE RESER

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>B-3186/B-5898</u>

HAYWOOD COUNTY

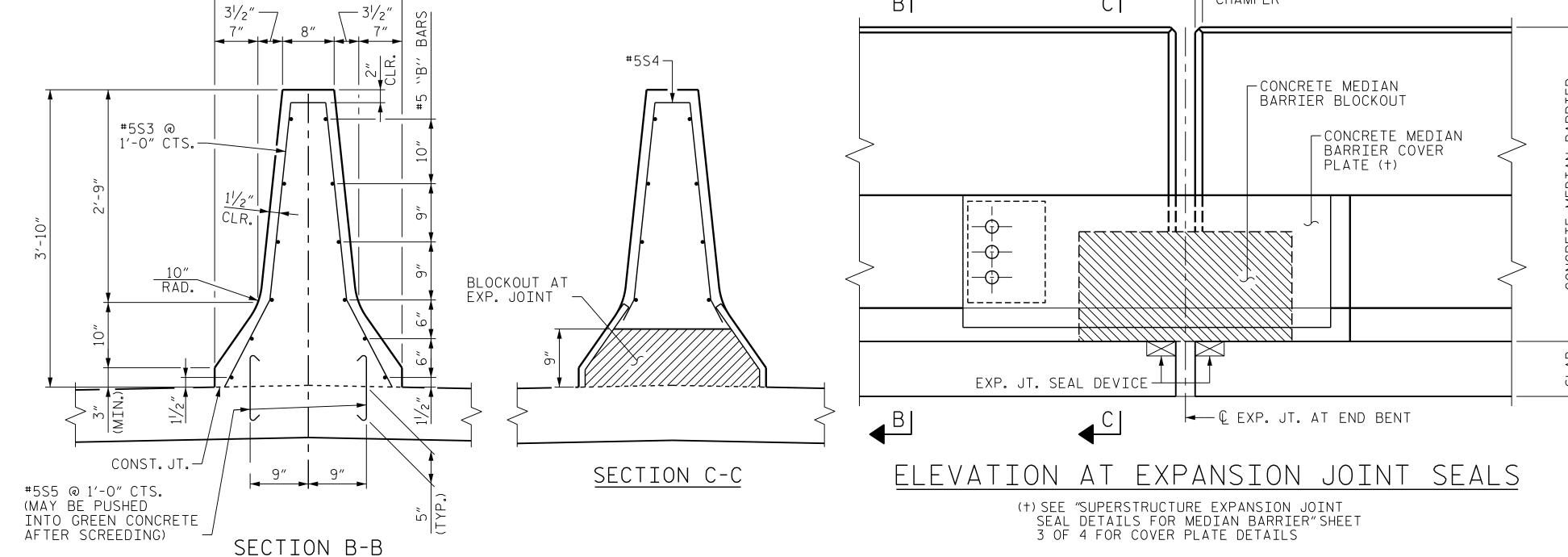
42+71**.**13 -L-STATION:_

SHEET 2 OF 2

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE CONCRETE BARRIER RAIL AND CONCRETE MEDIAN BARRIER

DETAILS REVISIONS NO. BY: BY: DATE: DATE: S01-29 TOTAL SHEETS



MEDIAN BARRIER DETAILS

(TYPE T)

DATE : 05/21

DATE: 06/21

DWG BY: B. PETERSON

CHK BY: L. GUALTIERI

DATE : 05/21

DATE : 06/21

SEAL & Kint Ochus 1/25/2022

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

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