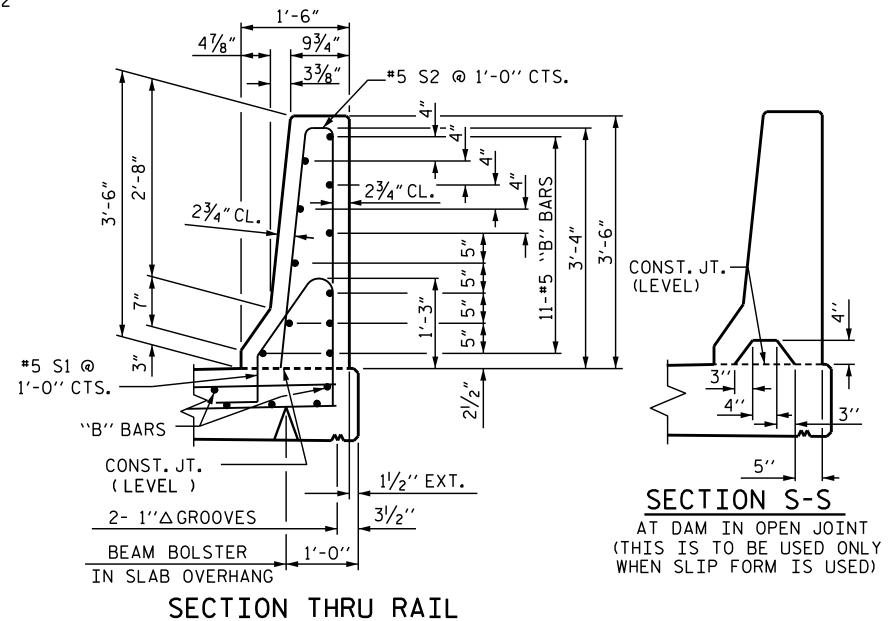


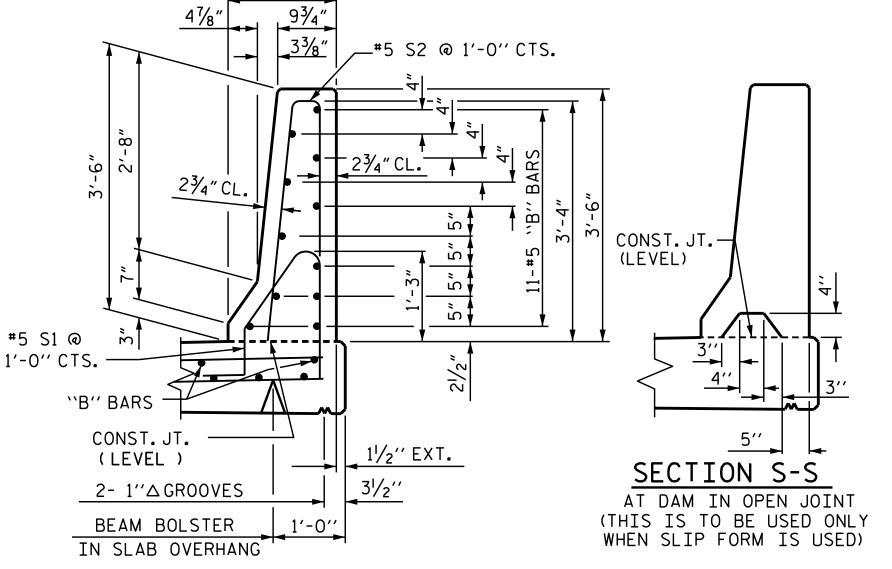
THE BARRIER RAIL IN EACH SPAN SHALL NOT BE CAST UNTIL ALL SLAB CONCRETE IN THAT SPAN HAS BEEN CAST AND HAS REACHED A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI.

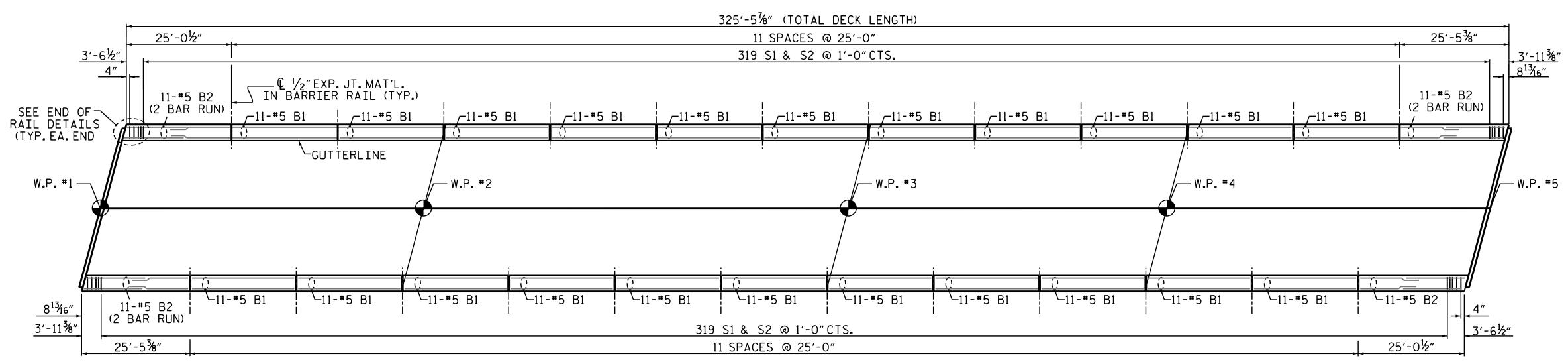
NOTES

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.







PLAN OF BARRIER RAIL

ASSEMBLED BY : G. AYES CHECKED BY : S. WANCE	DATE : 10/2021 DATE : 6/2022
DRAWN BY: ARB 5/87 CHECKED BY: SJD 9/87	REV. 7/I2 MAA/GM REV. 6/I3 MAA/GM REV. I2/I7 MAA/THC

ELEVATION AT EXPANSION JOINTS

BARRIER RAIL DETAILS

(LEFT RAIL DIMENSIONS SHOWN, RIGHT RAIL SIMILAR)

SEAL 030024 NCINEER Aster Abraha DDA094AED5104FD... 09/20/2022

B-5670 PROJECT NO. \_\_ NASH COUNTY STATION: 16+98.00 -L-

BAR TYPES

1'-01/2''

87/16"

ALL BAR DIMENSIONS ARE OUT TO OUT

BILL OF MATERIAL

FOR CONCRETE BARRIER RAIL ONLY

242 #5 STR 24'-7"

88 #5 STR 14'-1"

**∗** B1

**\*** B2

\* S2

**\*** S3

654

646

\* EPOXY COATED

CLASS AA CONCRETE

REINFORCING STEEL

CONCRETE BARRIER RAIL

#5

#5

#5

NO. | SIZE | TYPE | LENGTH | WEIGHT

4'-10"

7′-0″

5′-6"

1,293

3,297

4,716

LBS. 15,557

LIN.FT. 651.0

88.4

CU. YDS.

8′′

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH

> CONCRETE BARRIER RAIL

SHEET NO. **REVISIONS** DATE: S-22 DATE: BY: BY: DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED TOTAL SHEETS 40