

NOTES

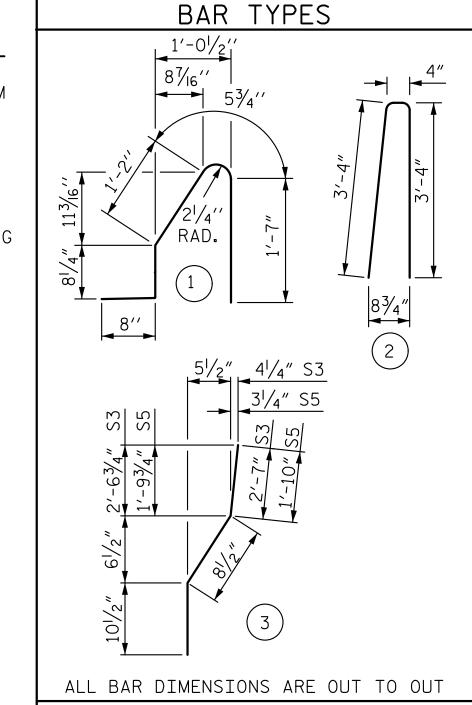
THE BARRIER RAIL IN CONTINUOUS UNIT SHALL NOT BE CAST UNTIL ALL SLAB CONCRETE IN THAT CONTINUOUS UNIT HAS BEEN CAST AND HAS REACHED A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI.

WHEN FOAM JOINT SEAL IS REQUIRED, THE JOINT IN THE DECK SHALL BE SAWED PRIOR TO THE CASTING OF BARRIER RAIL.

ALL REINFORCING STEEL IN BARRIER RAILS SHALL BE EPOXY COATED.

THE #5 S3, S4, S5 AND S6 BARS SHALL BE INSTALLED, USING AN ADHESIVE ANCHORING SYSTEM, AFTER SAWING THE JOINT. THE YIELD LOAD FOR THE #5 S3, S4, S5 AND S6 BARS IS 18.6 KIPS. FIELD TESTING FOR THE ADHESIVE BONDING SYSTEM IS NOT REQUIRED.

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.



| ALE BAN BIMENSIONS AND OUT | | | | | | |
|--------------------------------|-------|------|------|--------|--------|--|
| BILL OF MATERIAL | | | | | | |
| FOR CONCRETE BARRIER RAIL ONLY | | | | | | |
| BAR | NO. | SIZE | TYPE | LENGTH | WEIGHT | |
| | | | | | | |
| * B1 | 22 | #5 | STR | 25′-0″ | 574 | |
| ₩ B2 | 374 | #5 | STR | 28'-8" | 11,182 | |
| ∗ B3 | 22 | #5 | STR | 9'-0" | 207 | |
| | | | | | | |
| * S1 | 1,046 | #5 | 1 | 4'-7" | 5,000 | |
| * S2 | 1,046 | #5 | 2 | 7′-0″ | 7,637 | |
| * S3 | 4 | #5 | 3 | 4'-2" | 17 | |
| * S4 | 4 | #5 | STR | 4'-0" | 17 | |
| * S5 | 8 | #5 | 3 | 3′-5″ | 29 | |
| * S6 | 8 | #5 | STR | 3′-3″ | 27 | |
| | | | | | | |

| * EPOXY COATED REINFORCING STEEL | 24,690 LBS |
|-------------------------------------|-----------------|
| CLASS AA CONCRETE | 143.4 CU. YDS. |
| CONCRETE BARRIER RAIL | 1055.42 LIN.FT. |

PROJECT NO. W-5516

ROWAN COUNTY

STATION: 61+79.40 -L-

SHEET 2 OF 2

DEPARTMENT OF TRANSPORTATION
RALEIGH
STANDARD
CONCRETE
BARRIER RAIL

REVISIONS

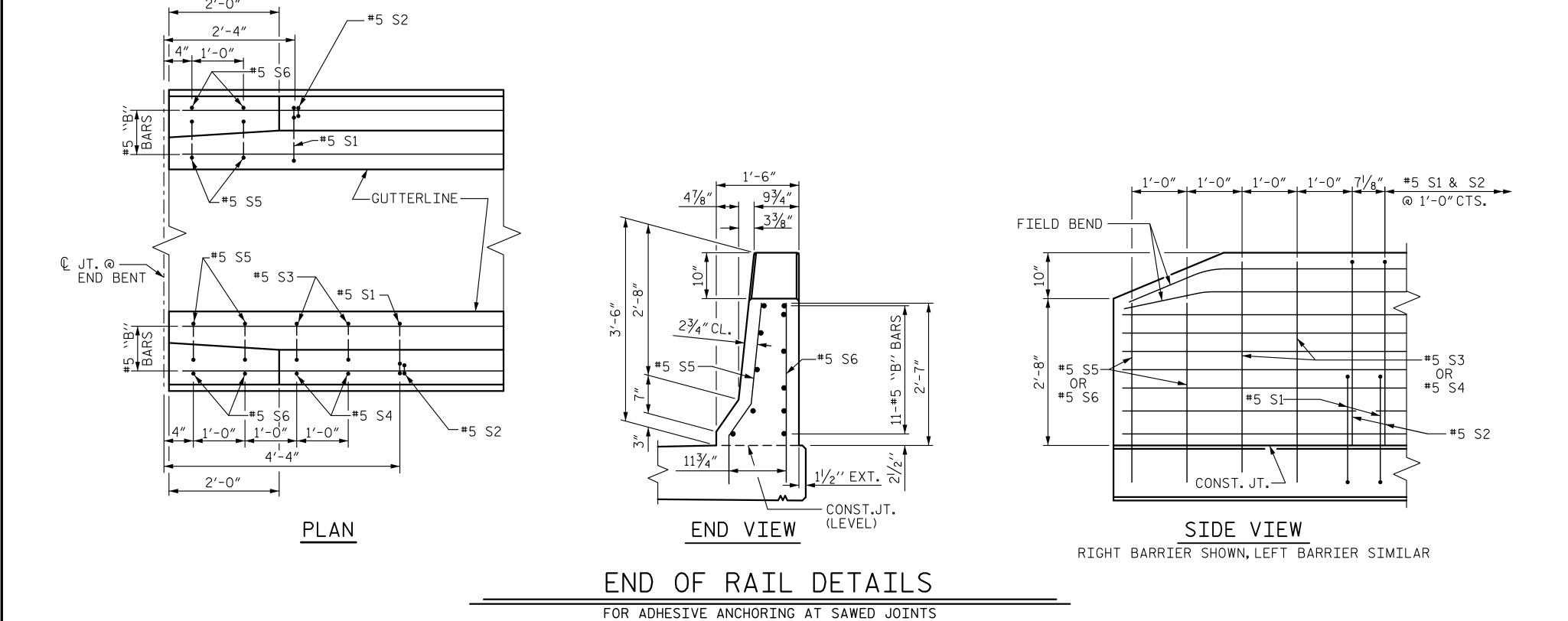
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TOTAL SHEETS

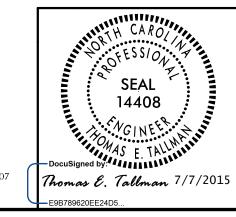
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BARRIER RAIL DETAILS



Engineering
5121 Kingdom Way, Suite 100 Raleigh, NC 27607
NC License No: F-0258



ASSEMBLED BY: D.H.CARTER DATE:MAY 2015
CHECKED BY: M.T.NEIHEISEL DATE:MAY 2015

DRAWN BY: ARB 5/87
CHECKED BY: SJD 9/87

REV. 10/1/11

MAA/GM
REV. 7/12

MAA/GM
REV. 6/13

MAA/GM

SECTION THRU RAIL