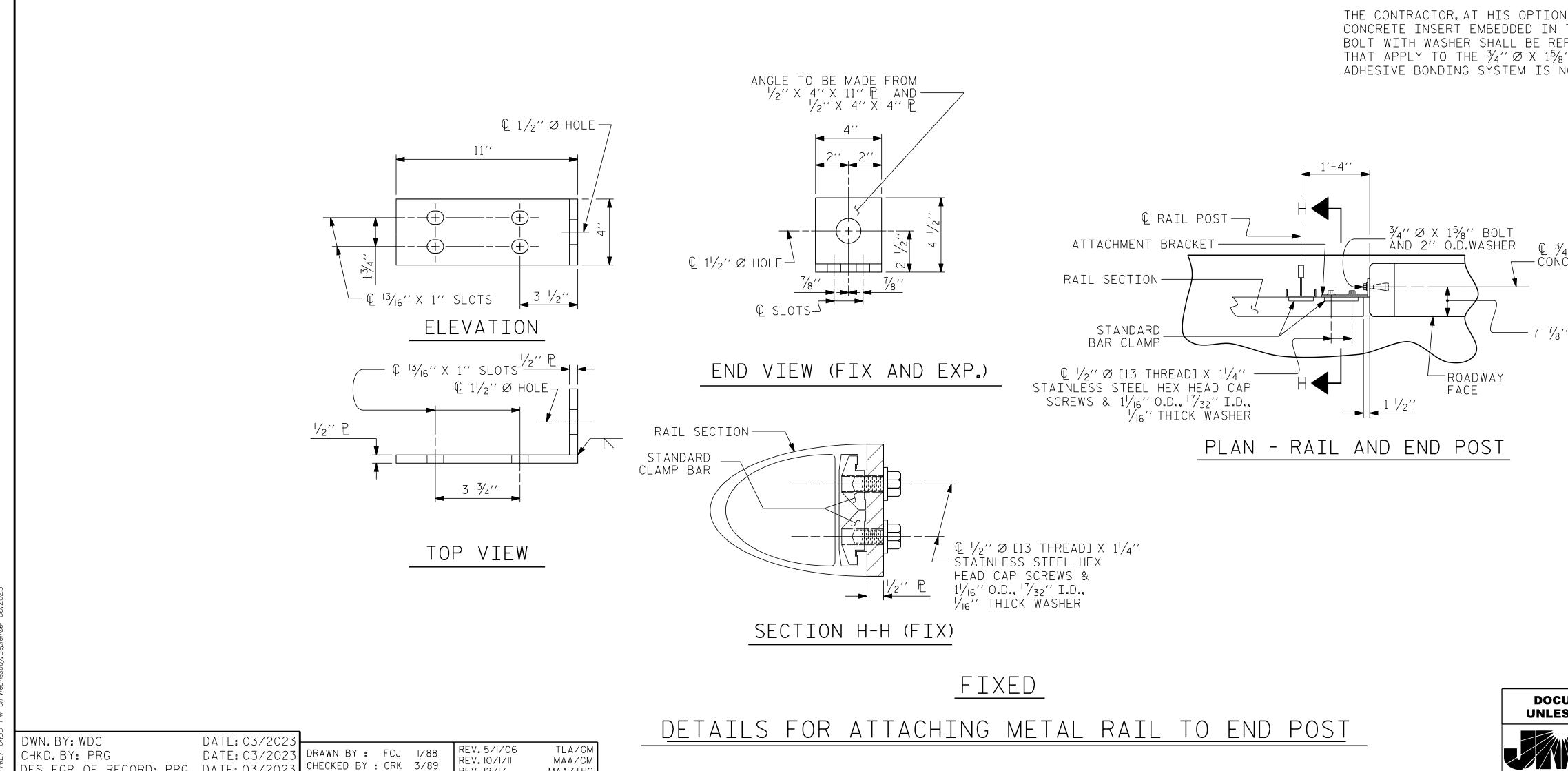
| CStr 3 PM | | | | | | |
|---|--|---|--|---|-----------------------------|--|
| wdcrutcher DGN: V:\NC TIME: 01:33 | DWN.BY:WDC CHKD.BY: PRG DES.EGR.OF RECORD: PRG | DATE: 03/2023 DATE: 03/2023 DATE: 03/2023 | DRAWN BY : FCJ 1/88 CHECKED BY : CRK 3/89 | REV. 5/1/06 REV. 10/1/11 REV. 12/17 | TLA/GM MAA/GM MAA/THC | |



SEE SHEET 1 OF 2 FOR RAIL POST SPACING

- THE STRUCTURAL CONCRETE INSEF
- A. FERRULES SHALL BE MADE FRO SHALL HAVE A MINIMUM LENG
- B. 1 ¾''ØX 15%'' BOLT WITH AND WASHER SHALL BE GALVA MAY BE USED AS AN ALTERNA CONFORM TO OR EXCEED THE SHALL BE APPROVED BY THE
- C. WIRE STRUT SHOWN IN THE SHALL HAVE A MINIMUM TENS A MINIMUM TENSILE STRENG

THE METAL RAIL TO END POST CO A. $\frac{1}{2}$ " PLATES SHALL CONFORM

- B. 3/4" STRUCTURAL CONCRETE I FERRULES SHALL ENGAGE A 3 SHALL HAVE N.C. THREADS.
- C. CAP SCREWS FOR RAIL ATTAC 305 STAINLESS STEEL. CAP
- D. STANDARD CLAMP BARS (SEE
- E. $\frac{1}{2}$ " Ø PIPE SLEEVES (IF REQ

THE COST OF THE STANDARD CLAN SHALL BE INCLUDED IN THE UNII

THE $\frac{3}{4}$ " STRUCTURAL CONCRETE

THE COST OF THE $\frac{3}{4}$ " STRUCTURA SHALL BE INCLUDED IN THE VAR

| NOTES STRUCTURAL CONCRETE INSEF | | | | | |
|--|---|--|--|--|--|
| RT ASSEMBLY SHALL CONSIST OF TH | | | | | |
| ROM STEEL MEETING THE REQUIREME GTH OF THREADS OF $1^{1}/_{2}^{\prime\prime}$. | NTS OF AASHTO M169, GRADE 12L14 AND | | | | |
| ANIZED. (AT THE CONTRACTOR'S OPTATE FOR THE $rac{3}{4}$ '' Ø x 15 $\!$ | THE REQUIREMENTS OF ASTM A307.BOLT TION, STAINLESS STEEL BOLT AND WASHER HIZED BOLT AND WASHER.THEY SHALL TM A307. THE USE OF THIS ALTERNATE | | | | |
| | _ IS THE MINIMUM ALLOWABLE SIZE AND 5 an option,a ¼ ₆ ″∅ wire strut with | | | | |
| NOTES METAL RAIL TO END POST CONNE | | | | | |
| CONNECTION SHALL CONSIST OF THE TO AASHTO M270 GRADE 36 AND SH | FOLLOWING COMPONENTS: All be galvanized after fabrication. | | | | |
| |) SHEAR CAPACITY OF 4800 LBS. THE HER IN PLACE. THE $\frac{3}{4}$ ''Ø X 1 $\frac{5}{8}$ '' Bolt | | | | |
| CHMENT TO ANGLE SHALL CONFORM SCREWS TO BE CENTERED IN SLOTS E METAL RAIL SHEET). | TO THE REQUIREMENTS OF ASTM F593 ALLOY AT 60°F. | | | | |
| QUIRED) TO BE GALVANIZED. | | | | | |
| | THE METAL RAIL TO END POST CONNECTION R FEET OF 1 OR 2 BAR METAL RAILS. | | | | |
| INSERT WITH BOLT SHALL BE ASSEM | IBLED IN THE SHOP. | | | | |
| AL CONCRETE INSERT ASSEMBLY,AND Ious pay items. |) THE $\frac{1}{2}$ " plates complete in place | | | | |
| THE END POST. IF THE ADHESIVE BOPLACED WITH A $\frac{3}{4}$ " \varnothing X $\frac{6}{2}$ " BOLT | YSTEM IN LIEU OF THE STRUCTURAL ONDING SYSTEM IS USED, THE $\frac{3}{4}$ ''ØX 15⁄8'' AND 2''O.D.WASHER. ALL SPECIFICATIONS X 6 $\frac{1}{2}$ ''BOLT.FIELD TESTING OF THE | | | | |
| F CONT | ACT POINTS) * CLOSED-END | | | | |
| FERR | ULE- WIRE STRUT | | | | |
| 4″ STRUCTURAL Crete insert | PLAN ELEVATION | | | | |
| ς | TRUCTURAL CONCRETE | | | | |
| | INSERT | | | | |
| | * EACH WELDED ATTACHMENT OF WIRE TO FERRULE SHALL DEVELOP THE TENSILE STRENGTH OF THE WIRE. | | | | |
| | PROJECT NO. <u>B-4926</u> | | | | |
| | LENOIR COUNTY | | | | |
| | STATION: 25+45.00 -L- | | | | |
| | SHEET 2 OF 2 | | | | |
| P H Getsigned by H H CARO | STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH STANDARD | | | | |
| BED116821840408 2 3 WGINE C 3 W | RAIL POST SPACINGS | | | | |
| 9//7//2023 | END OF RAIL DETAILS | | | | |
| UMENT NOT CONSIDERED FINAL SS ALL SIGNATURES COMPLETED | FOR ONE OR TWO BAR METAL RAILS | | | | |
| Johnson, Mirmiran, & Thompson Inc. 4700 Falls of Neuse Rd, Suite 100, Raleigh, NC, 27609 License No: C-3097 | REVISIONS SHEET NO. NO. BY: DATE: NO. BY: DATE: SHEET NO. 1 3 | | | | |
| | | | | | |

SID. NO. BMRZ