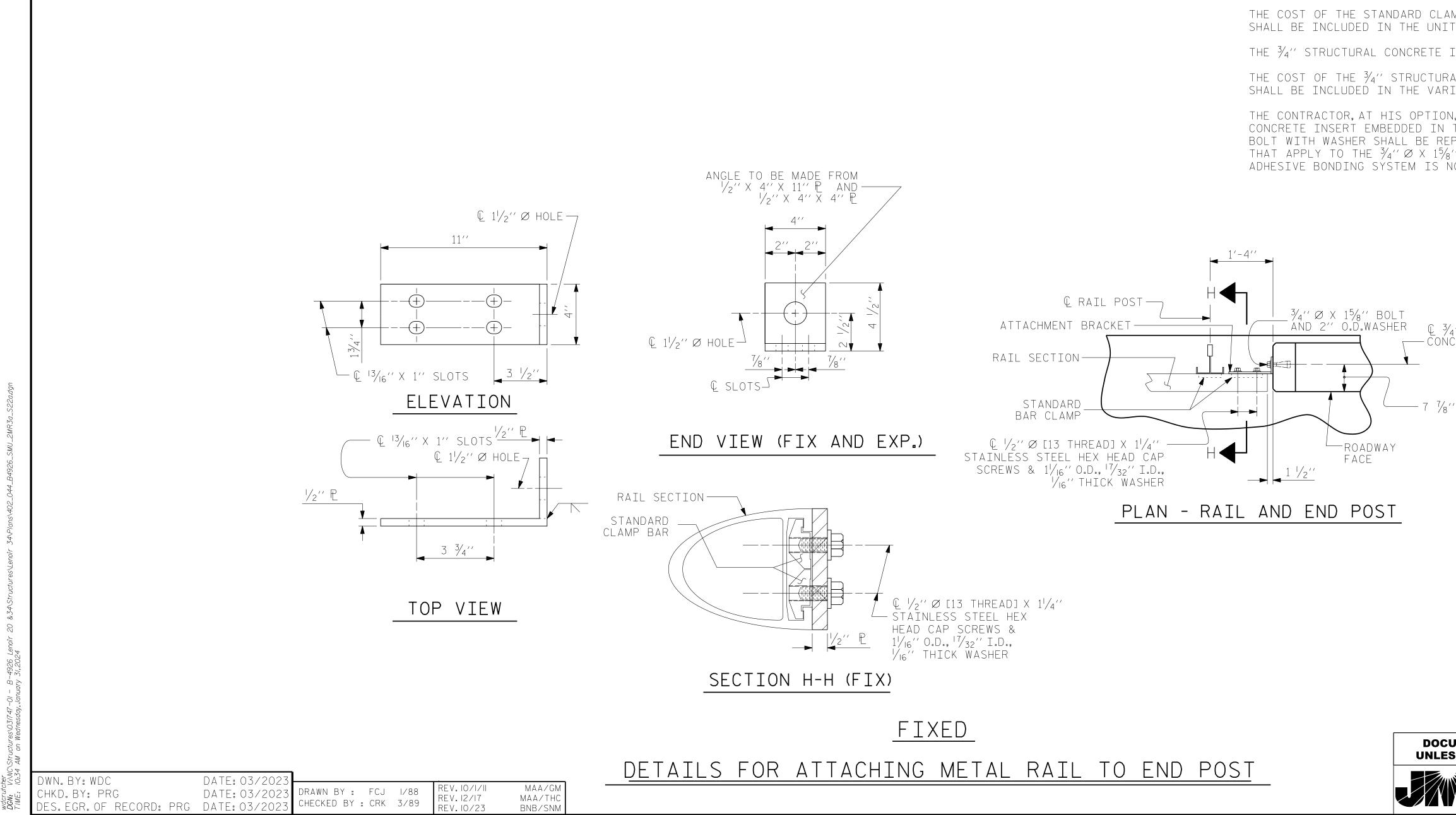
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THE STRUCTURAL CONCRETE INSEF

- A. FERRULES SHALL BE MADE FRI SHALL HAVE A MINIMUM LENG
- B. 1 $\frac{3}{4}$ '' Ø X 1 $\frac{5}{8}$ '' 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 TEN A MINIMUM TENSILE STRENG

THE METAL RAIL TO END POST CO

- A. 1/2" PLATES SHALL CONFORM
- B. 3/4" STRUCTURAL CONCRETE II 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

SEE SHEET 1 OF 2 FOR RAIL POST SPACING

NOTES	
STRUCTURAL CONCRETE INSE	RT
RT ASSEMBLY SHALL CONSIST OF T	HE FOLLOWING COMPONENTS:
ROM STEEL MEETING THE REQUIREME GTH OF THREADS OF $1^{1/2}$ ''.	ENTS OF AASHTO M169, GRADE 12L14 AND
ANIZED. (AT THE CONTRACTOR'S OP ATE FOR THE $\frac{3}{4}$ '' Ø x 1 $\frac{5}{8}$ '' GALVAN	THE REQUIREMENTS OF ASTM A307.BOLT TION,STAINLESS STEEL BOLT AND WASHER NIZED BOLT AND WASHER.THEY SHALL TM A307.THE USE OF THIS ALTERNATE
	L IS THE MINIMUM ALLOWABLE SIZE AND S AN OPTION, A 7/6″ØWIRE STRUT WITH
METAL RAIL TO END POST CONNE	ECTION
NSERT SHALL HAVE A WORKING LOA	FOLLOWING COMPONENTS: TALL BE GALVANIZED AFTER FABRICATION. D 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.	
	I THE METAL RAIL TO END POST CONNECTION R FEET OF 1 OR 2 BAR METAL RAILS.
INSERT WITH BOLT SHALL BE ASSEM	MBLED IN THE SHOP.
AL CONCRETE INSERT ASSEMBLY, AN Ious pay items.) THE $\frac{1}{2}$ " plates complete in place
THE END POST. IF THE ADHESIVE BUP PLACED WITH A $\frac{3}{4}$ '' Ø X 6 $\frac{1}{2}$ '' BOLT	SYSTEM IN LIEU OF THE STRUCTURAL ONDING SYSTEM IS USED, THE $\frac{3}{4}$ ''ØX 1 $\frac{5}{8}$ '' AND 2''O.D.WASHER. ALL SPECIFICATIONS X 6 $\frac{1}{2}$ ''BOLT. FIELD TESTING OF THE
F	$R_P_W_(TYP_ALL \land CLOSED-END$
CONT	R.P.W.(TYP.ALL) CLOSED-END ACT POINTS) FERRULE
-	
FERR	ULE .375''Ø
, ₄″ structural Crete insert	WIRE STRUT
CREIE INSERI	PLAN <u>ELEVATION</u>
S	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: 35+00.00 -L-
	SHEET 2 OF 2 STATE OF NORTH CAROLINA
RTH CARO	DEPARTMENT OF TRANSPORTATION
BED11E82164B4E954	STANDARD
BED11E82164B4699	RAIL POST SPACINGS
2/2/2024	END OF RAIL DETAILS
UMENT NOT CONSIDERED FINAL	FOR ONE OR TWO BAR METAL RAILS
SS ALL SIGNATURES COMPLETED Johnson, Mirmiran, & Thompson Inc.	REVISIONS SHEET NO. NO. BY: DATE: NO. BY: DATE: S1-220
4700 Falls of Neuse Rd, Suite 100, Raleigh, NC, 27609 License No: C-3097	NO. BT: DATE: OT AL 1 3 TOTAL 2 4 39

SID. NO. BMRZ