

NOTES STRUCTURAL CONCRETE	INSERT
INSERT ASSEMBLY SHALL CONSIST OF THE FOLLOWING COMPONENTS:	
DE FROM STEEL MEETING THE REQU M LENGTH OF THREADS OF $1^{1}/_{2}^{\prime\prime}$ .	IREMENTS OF AASHTO M169, GRADE 12L14 AND
WITH WASHER.BOLT SHALL CONFORM TO THE REQUIREMENTS OF ASTM A307.BOLT GALVANIZED. (AT THE CONTRACTOR'S OPTION, STAINLESS STEEL BOLT AND WASHER TERNATE FOR THE $\frac{3}{4}$ " Ø X 1%" GALVANIZED BOLT AND WASHER.THEY SHALL D THE MECHANICAL REQUIREMENTS OF ASTM A307.THE USE OF THIS ALTERNATE THE ENGINEER.)	
THE CONCRETE INSERT ASSEMBLY DETAIL IS THE MINIMUM ALLOWABLE SIZE AND M TENSILE STRENGTH OF 100,000 PSI. AS AN OPTION, A $\frac{7}{16}$ " Ø WIRE STRUT WITH TRENGTH OF 90,000 PSI IS ACCEPTABLE.	
NOTES METAL RAIL TO END POST CONNECTION	
OST CONNECTION SHALL CONSIST OF THE FOLLOWING COMPONENTS: FORM TO AASHTO M270 GRADE 36 AND SHALL BE GALVANIZED AFTER FABRICATION.	
ETE INSERT SHALL HAVE A WORKIN	G LOAD SHEAR CAPACITY OF 4800 LBS. THE D. WASHER IN PLACE. THE $\frac{3}{4}$ "Ø X 15%" BOLT
DS.	
ATTACHMENT TO ANGLE SHALL CONFORM TO THE REQUIREMENTS OF ASTM F593 ALLOY CAP SCREWS TO BE CENTERED IN SLOTS AT 60°F.	
(SEE METAL RAIL SHEET ). F REQUIRED) TO BE GALVANIZED.	
D CLAMP BARS AND CAP SCREWS US	ED IN THE METAL RAIL TO END POST CONNECTION LINEAR FEET OF 1 OR 2 BAR METAL RAILS.
RETE INSERT WITH BOLT SHALL BE	
JCTURAL CONCRETE INSERT ASSEMBLY, AND THE $^{\prime}\!\!/_2^{\prime\prime}$ plates complete in place e various pay items.	
) IN THE END POST. IF THE ADHES	DING SYSTEM IN LIEU OF THE STRUCTURAL IVE BONDING SYSTEM IS USED, THE 3/4'' Ø X 15/8''
BE REPLACED WITH A $\frac{3}{4}$ " Ø X $\frac{6}{2}$ " X $\frac{15}{8}$ " BOLT SHALL APPLY TO THE IS NOT REQUIRED.	BOLT AND 2″ O.D. WASHER. ALL SPECIFICATIONS ¾″″Ø X 6 ½″ BOLT. FIELD TESTING OF THE
	NZ
C	R.P.W.(TYP.ALL CLOSED-END ONTACT POINTS) FERRULE
€ ¾'' STRUCTURAL	
	ERRULE- WIRE STRUT
— 7 <sup>7</sup> / <sub>8</sub> ''	WIRE STRUT
' / 0	PLAN <u>ELEVATION</u>
	STRUCTURAL CONCRETE
	* EACH WELDED ATTACHMENT OF WIRE TO FERRULE SHALL DEVELOP THE TENSILE
	STRENGTH OF THE WIRE.
	PROJECT NO. <u>B-4440</u>
Mead	BRUNSWICKCOUNTY
& lunt	STATION: <u>18+90.36</u> -L-
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919-714-8670 meadhunt.com NC License No. F-1235	STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
TH CARO	STANDARD
SEAL 15832	RAIL POST SPACINGS
SEAL 15832	END OF RAIL DETAILS
	FOR ONE OR TWO BAR METAL RAILS REVISIONS SHEET NO.
THE DOCUMENT NOT CONSIDERED	
SIGNATURES COMPLETED	STD. NO. BMR2
	SID. NU. DIVIKZ