



__CLOSED-END FERRULE R.P.W.(TYP.ALL CONTACT POINTS) FERRULE-- **.**375′′ Ø — WIRE STRUT ELEVATION PLAN

STRUCTURAL CONCRETE = INSERT -----

* EACH WELDED ATTACHMENT OF WIRE TO FERRULE SHALL DEVELOP THE TENSILE STRENGTH OF THE WIRE.

- $^{\mathrm{B}_{\bullet}}$ $^{\mathrm{3}}_{\mathrm{4}}$ " STRUCTURAL CONCRETE INSERT SHALL HAVE A WORKING LOAD SHEAR CAPACITY OF 4800 LBS. THE FERRULES SHALL ENGAGE A $\frac{3}{4}$ " $\frac{6}{4}$ X 1 $\frac{6}{8}$ " BOLT WITH 2" O.D. WASHER IN PLACE. THE $\frac{3}{4}$ " $\frac{6}{4}$ X 1 $\frac{5}{8}$ " BOLT
- C. CAP SCREWS FOR RAIL ATTACHMENT TO ANGLE SHALL CONFORM TO THE REQUIREMENTS OF ASTM F593 ALLOY

THE COST OF THE STANDARD CLAMP BARS AND CAP SCREWS USED IN THE METAL RAIL TO END POST CONNECTION SHALL BE INCLUDED IN THE UNIT CONTRACT PRICE BID FOR LINEAR FEET OF 1 OR 2 BAR METAL RAILS.

THE $\frac{3}{4}$ " STRUCTURAL CONCRETE INSERT WITH BOLT SHALL BE ASSEMBLED IN THE SHOP.

THE COST OF THE $\frac{3}{4}$ " STRUCTURAL CONCRETE INSERT ASSEMBLY, AND THE $\frac{1}{2}$ " PLATES COMPLETE IN PLACE SHALL BE INCLUDED IN THE VARIOUS PAY ITEMS.

THE CONTRACTOR, AT HIS OPTION, MAY USE AN ADHESIVE BONDING SYSTEM IN LIEU OF THE STRUCTURAL CONCRETE INSERT EMBEDDED IN THE END POST. IF THE ADHESIVE BONDING SYSTEM IS USED, THE $\frac{3}{4}$ " Ø X $1\frac{5}{8}$ " BOLT WITH WASHER SHALL BE REPLACED WITH A $\frac{3}{4}$ " Ø X $6\frac{1}{2}$ " BOLT AND 2" O.D. WASHER. ALL SPECIFICATIONS THAT APPLY TO THE $\frac{3}{4}$ " Ø X $1\frac{5}{8}$ " BOLT SHALL APPLY TO THE $\frac{3}{4}$ " Ø X $6\frac{1}{2}$ " BOLT. FIELD TESTING OF THE ADHESIVE BONDING SYSTEM IS NOT REQUIRED.

SEAL 20125

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Marshall G. Check, Ir

7/22/2015

PROJECT NO. R-2603 WILKES COUNTY STATION: 117+35.00 -L-

SHEET 3 OF 5

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH STANDARD

RAIL POST SPACINGS END OF RAIL DETAILS

REVISIONS S-30 DATE: DATE: STR. #2

SECTION H-H (FIX)

FIXED

RWW/JTE TLA/GM MAA/GM

1/2′′ ₽

TOP VIEW

REV.5/7/03

REV. 5/I/06

REV. 10/1/11

ASSEMBLED BY: D. A. GLADDEN DATE: 7-17-13 CHECKED BY: H. T. BARBOUR DATE: 8-13

DRAWN BY: FCJ 1/88

CHECKED BY : CRK 3/89

DETAILS FOR ATTACHING METAL RAIL TO END POST

Ĺ ⅓'' Ø [13 THREAD] X 1¼''

- STAINLESS STEEL HEX
HEAD CAP SCREWS &
11/16" O.D., 17/32" I.D.,
1/16" THICK WASHER