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- THE STRUCTURAL CONCRETE INSERI
- A. FERRULES SHALL BE MADE FROM SHALL HAVE A MINIMUM LENG
- B. 1 ¾" ∅ X 15%" BOLT WITH V AND WASHER SHALL BE GALVAN MAY BE USED AS AN ALTERNA CONFORM TO OR EXCEED THE N SHALL BE APPROVED BY THE EN
- C. WIRE STRUT SHOWN IN THE CC SHALL HAVE A MINIMUM TENS A MINIMUM TENSILE STRENGT
- THE METAL RAIL TO END POST CON
- B. ¾" STRUCTURAL CONCRETE INS FERRULES SHALL ENGAGE A  $\frac{3}{4}$
- C. CAP SCREWS FOR RAIL ATTACH 305 STAINLESS STEEL. CAP SC
- D. STANDARD CLAMP BARS (SEE 2
- E.  $\frac{1}{2}$ " Ø PIPE SLEEVES (IF REQU

THE COST OF THE STANDARD CLAME SHALL BE INCLUDED IN THE UNIT

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

THE COST OF THE  $\frac{3}{4}$ " STRUCTURAL SHALL BE INCLUDED IN THE VARIO

THE CONTRACTOR, AT HIS OPTION, CONCRETE INSERT EMBEDDED IN T BOLT WITH WASHER SHALL BE REPL THAT APPLY TO THE 3/4" Ø X 15/8" ADHESIVE BONDING SYSTEM IS NOT

## R.P.W.( CONTACT PC



WITH WASHER, BOLT SHALL CONFORM TO THE REQUIREMENTS OF ASTM A307. BOLT GALVANIZED. (AT THE CONTRACTOR'S OPTION, STAINLESS STEEL BOLT AND WASHER LITERNATE FOR THE %' Ø X 1%'' GALVANIZED BOLT AND WASHER. THEY SHALL DI THE MECHANICAL REQUIREMENTS OF ASTM A307. THE USE OF THIS ALTERNATE Y THE ENSINEER. N THE CONCRETE INSERT ASSEMBLY DETAIL IS THE MINIMUM ALLOWABLE SIZE AND MI TENSILE STRENGTH OF 100,000 PSI. AS AN OPTION, A %'' Ø WIRE STRUT WITH STRENGTH OF 90,000 PSI IS ACCEPTABLE. NOTES METAL RAIL TO END POST CONNECTION POST CONNECTION SHALL CONSIST OF THE FOLLOWING COMPONENTS: FFORM TO AASHTO M270 GRADE 36 AND SHALL BE GALVANIZED AFTER FABRICATION. RETE INSERT SHALL HAVE A WORKING LOAD SHEAR CAPACITY OF 4800 LBS. THE SE A %'' Ø X 1%'' BOLT WITH 2'' O.D. WASHER IN PLACE. THE %'' Ø X 1%''' BOLT ADS. ATTACHMENT TO ANGLE SHALL CONFORM TO THE REQUIREMENTS OF ASTM F593 ALLOY . CAP SCREWS TO BE CENTERED IN SLOTS AT 60°F. S (SEE 2 BAR METAL RAIL BALL BL STA CAPACITY OF ABON LBS. THE FUNCTION AND CAP SCREWS USED IN THE METAL RAIL TO END POST CONNECTION RETE INSERT SHALL HAVE A WORKING LOAD SHEAR CAPACITY OF ABON LBS. THE SC 4 52'' Ø X 1%'' BOLT WITH 2'' O.D. WASHER IN PLACE. THE %'' Ø X 1%''' BOLT ADS. ATTACHMENT TO ANGLE SHALL CONFORM TO THE REQUIREMENTS OF ASTM F593 ALLOY . CAP SCREWS TO BE CENTERED IN SLOTS AT 60°F. S (SEE 2 BAR METAL RAIL SHEET 3 OF 3). IF REQUIRED! TO BE GALVANIZED. RD CLAMP BARS AND CAP SCREWS USED IN THE METAL RAIL TO END POST CONNECTION IE UNIT CONTRACT PRICE BID FOR LINEAR FEET OF 1 OR 2 BAR METAL RAILS. REFE INSERT WITH BOLT SHALL BE ASSEMBLED IN THE SHOP. UCTURAL CONCRETE INSERT ASSEMBLY, AND THE ½'' PLATES COMPLETE IN PLACE IE VARIOUS PAY ITEMS. DIPTION, MAY USE AN ADHESIVE BONDING SYSTEM IN LIEU OF THE STRUCTURAL DIN THE END POST. IF THE ADHESIVE BONDING SYSTEM IS USED, THE ½'' ØX 1½''' BE REPLACED WITH A ¼'' Ø X 6'''' BOLT AND Y''''''''''''''''''''''''''''''''''''							
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