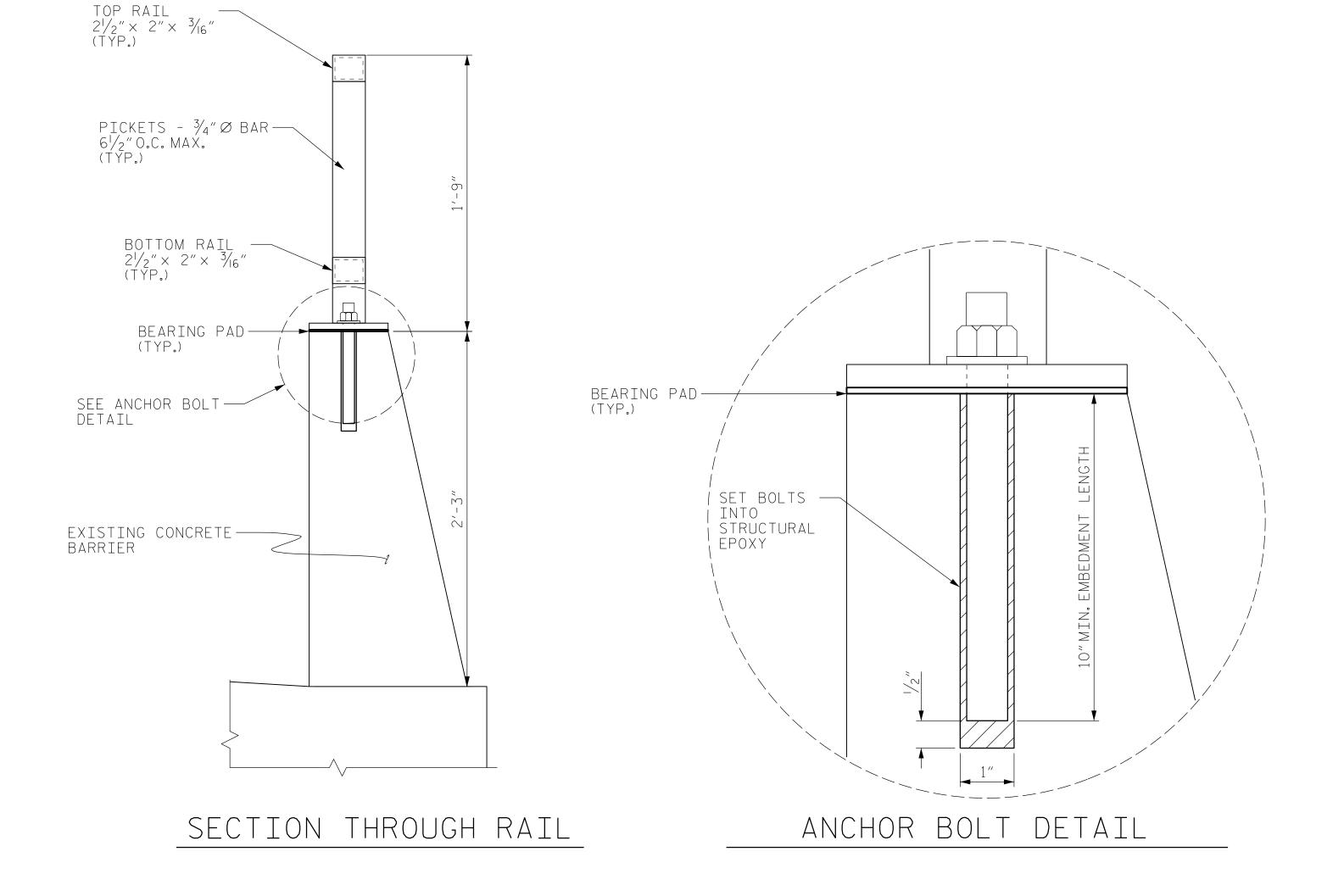
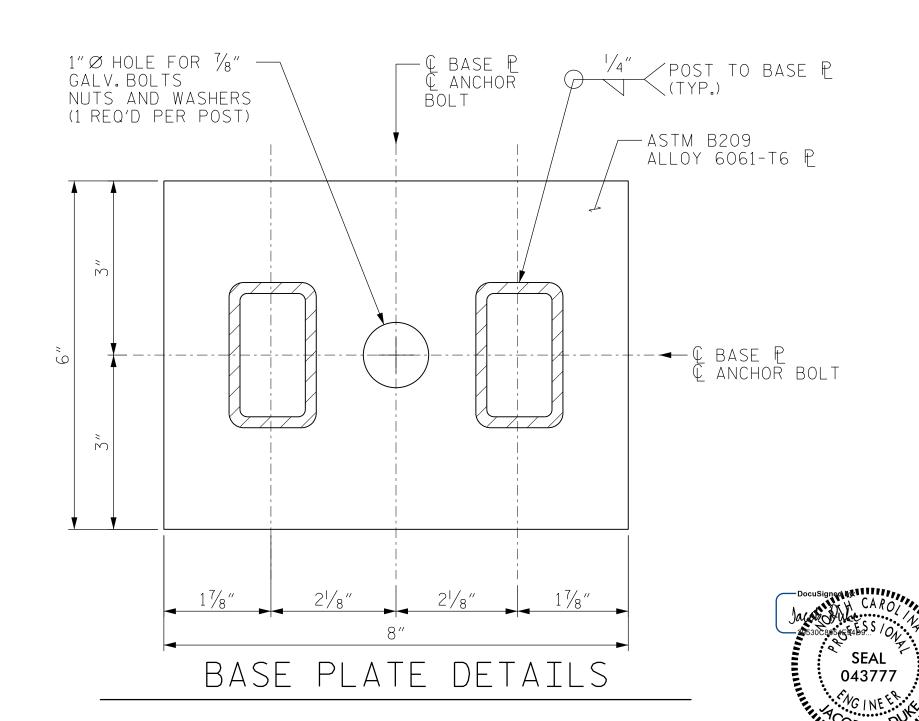


RAIL END ELEVATION



RAIL RETROFIT NOTES:

- 1. PROVIDE AN ALUMINUM RAIL RAIL SYSTEM IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- 2. FOR RAIL RETROFIT, SEE SPECIAL PROVISIONS.
- 3. FOR RAIL POST LOCATIONS, SEE SHEET S-14.
- 4. ALL BARRIER RAIL POSTS ARE TO BE VERTICALLY PLUMB. PROVIDE SHORTER POSTS AT THE FOUR END LOCATIONS TO MAINTAIN LEVEL HORIZONTAL RAILS AS SHOWN IN THIS SHEET.
- 5. POSTS, BASES AND RAILS SHALL BE ASTM B-221 ALLOY-T6. THE CONTRACTOR SHALL USE SUITABLE HARDWARE. WELDING SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 1074 OF THE STANDARD SPECIFICATIONS.
- 6. THE BASE OF RAIL POSTS, OR ANY OTHER ALUMINUM SURFACE IN CONTACT WITH CONCRETE, SHALL BE THOROUGHLY COATED WITH AN ALUMINUM IMPREGNATED CAULKING COMPOUND OF APPROVED QUALITY.
- 7. FOR ADHESIVELY ANCHORED BOLTS, SEE STANDARD SPECIFICATIONS SECTION 420-13.
- 8. FOR ADHESIVELY ANCHORED BOLTS, LEVEL ONE FIELD TESTING IS REQUIRED. THE REQUIRED PULLOUT STRENGTH IS 5 KIPS FOR THE SPECIFIED EMBEDMENT LENGTH.
- 9. BEARING PADS SHALL BE $\frac{1}{8}$ "THICK, PLAIN, FABRIC REINFORCED OR FABRIC LAMINATED BEARING PADS. FOR FURTHER DETAILS, SEE SPECICAL PROVISIONS FOR RAIL RETROFIT.



PROJECT NO. 15BPR.24 B<u>RUNSWICK</u> COUNTY 090013 BRIDGE NO.___

SHEET 1 OF 2

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

> RAIL RETROFIT

OCUMENT NOT CONSIDERED

FINAL UNLESS ALL

SIGNATURES COMPLETED

SHEET NO REVISIONS S-13 DATE: BY: DATE: NO. BY: TOTAL SHEETS

JACOB H. DUKE __ DATE : <u>10/2018</u> DRAWN BY : ___ _ DATE : <u>10/2018</u> SAMUEL L. CULLUM DESIGN ENGINEER OF RECORD : _____JACOB H. DUKE ___ DATE : __10/2018