

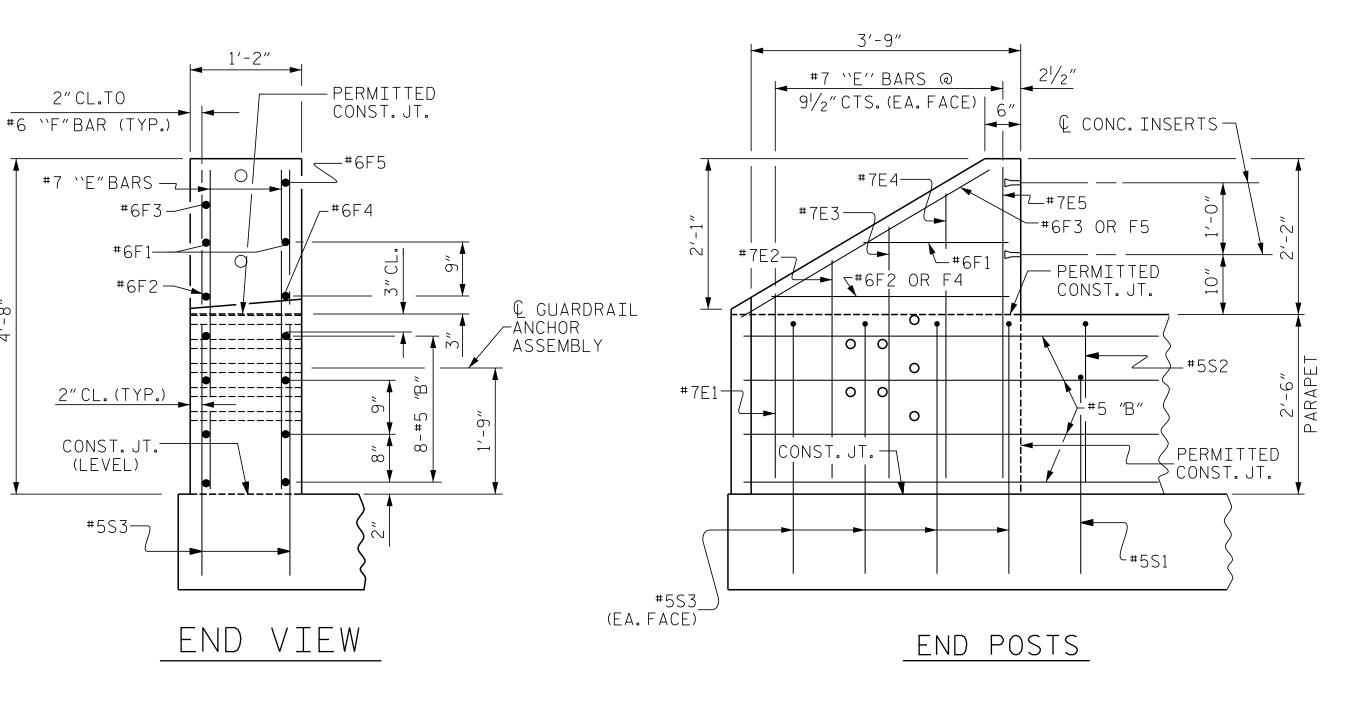
BAR | NO. | SIZE | TYPE | LENGTH | WEIGHT * B1 64 #5 STR 15'-10" * B2 | 256 | #5 | STR | 29'-8" 7921 * E1 | 8 | #7 | STR | 2'-7" 42 **★** E2 8 | #7 | STR | 3'-1" 50 #7 | STR | 3'-6" 57 ***** E4 #7 | STR | 4'-0" 65 * E5 | 8 | #7 | STR | 4'-4" 71 #6 | STR | 2'-0" **★** F1 24 #6 | STR | 3'-5" **∗** F2 21 4 | #6 | STR | 3'-7" 22 4 | #6 | STR | 3'-8" **★** F4 22 * F5 4 #6 STR 3'-11" 24 * S1 | 1056 | #5 | 5′-5″ 5966 * S2 | 1056 | #5 | 2 | 5'-6" 6058 * S3 | 32 | #5 | STR | 3'-0" 100 * EPOXY COATED REINFORCING STEEL 21,500 LBS.

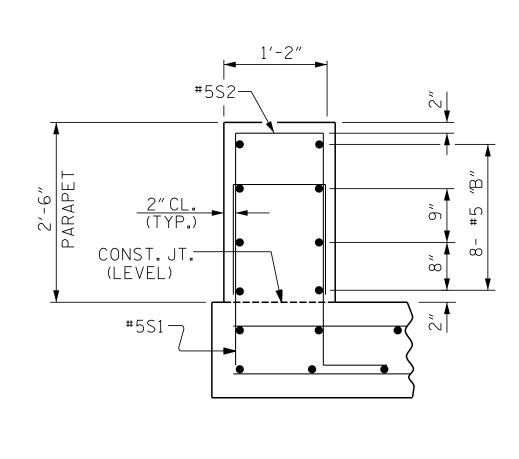
BILL OF MATERIAL

FOR 2 PARAPETS AND 4 END POSTS

ALL BAR DIMENSIONS ARE OUT TO OUT.

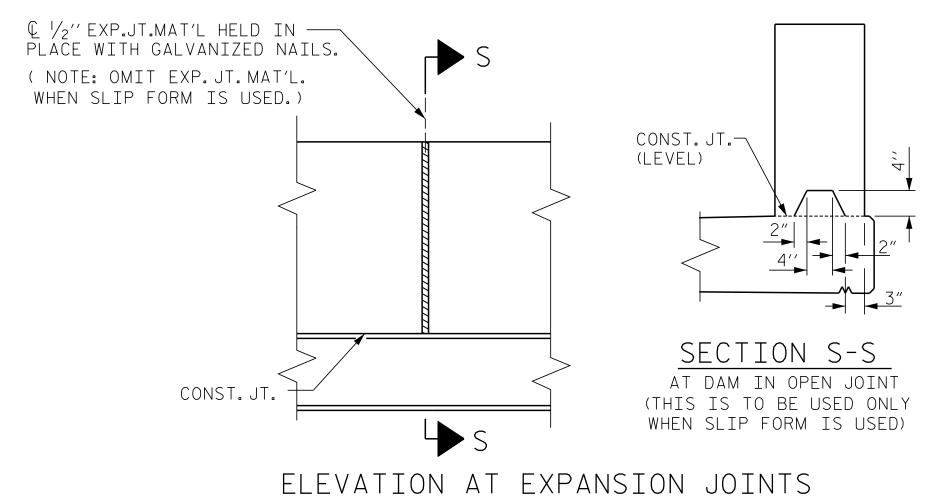
117.0 CU. YDS. CLASS AA CONCRETE $1'-2'' \times 2'-6''$ 1075.55 LIN.F CONCRETE PARAPET





SECTION THRU PARAPET

PARAPET AND END POST FOR TWO BAR RAIL



NOTES

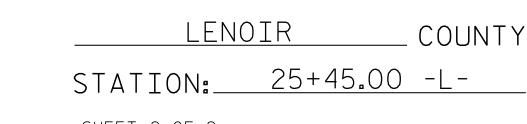
ALL REINFORCING STEEL IN PARAPETS AND END POSTS SHALL BE EPOXY COATED.

FOR DETAIL OF CONCRETE INSERT AND GUARDRAIL ANCHOR ASSEMBLY, SEE "RAIL POST SPACINGS AND END OF RAIL DETAIL"SHEET.

GROOVED CONTRACTION JOINTS, $\frac{1}{2}$ " IN DEPTH, SHALL BE TOOLED IN ALL EXPOSED FACES OF THE PARAPET AND IN ACCORDANCE WITH ARTICLE 825-10(B) OF THE STANDARD SPECIFICATIONS. A CONTRACTION JOINT SHALL BE LOCATED AT EACH THIRD POINT BETWEEN PARAPET EXPANSION JOINTS. ONLY ONE CONTRACTION JOINT IS REQUIRED AT MIDPOINT OF PARAPET SEGMENTS LESS THAN 20 FEET IN LENGTH AND NO CONTRACTION JOINTS ARE REQUIRED FOR THOSE SEGMENTS LESS THAN 10 FEET IN LENGTH.

MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI.

THE #5 S3 BARS SHALL BE INSTALLED, USING AN ADHESIVE ANCHORING SYSTEM, AFTER SAWING THE JOINT. THE YIELD LOAD FOR THE #5 S3 BARS IS 18.6 KIPS.FIELD TESTING FOR THE ADHESIVE BONDING SYSTEM IS NOT REQUIRED.



PROJECT NO.____

SHEET 2 OF 2

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

B-4926

CONCRETE PARAPET AND END POST DETAILS

2 BAR METAL RAIL



Johnson, Mirmiran, & Thompson Inc. 4700 Falls of Neuse Rd, Suite 100, Raleigh, NC, 27609 License No: C-3097

DOCUMENT NOT CONSIDERED FINAL

0A2BOOK Etaltaghe

REVISIONS SHEET NO S1-28 BY: DATE: NO. BY: DATE: TOTAL SHEETS 4.9

CONCRETE PARAPET DETAILS

DWN. BY: WDC DATE: 03/2023 DATE: 03/2023 CHKD. BY: PRG DES. EGR. OF RECORD: PRG DATE: 03/2023

PARAPET IN THE SPAN SHALL NOT BE CAST UNTIL ALL SLAB CONCRETE IN THE SPAN HAS BEEN CAST AND HAS REACHED A

UNLESS ALL SIGNATURES COMPLETED