

NOTES

CONCRETE PARAPET IN A CONTINUOUS UNIT SHALL NOT BE CAST UNTIL ALL SLAB CONCRETE IN THE UNIT HAS BEEN CAST AND HAS REACHED A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI.

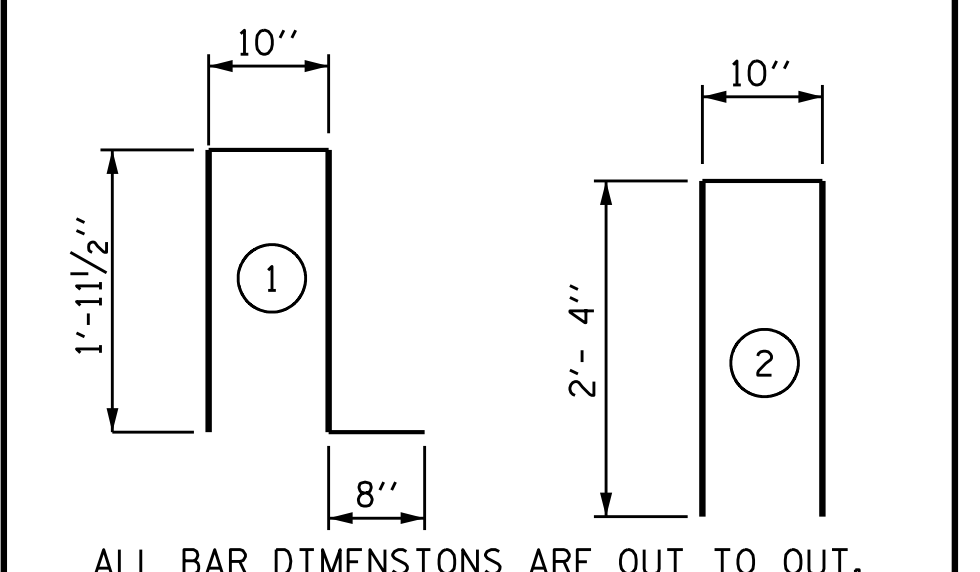
ALL REINFORCING STEEL IN PARAPET AND END POSTS SHALL BE EPOXY COATED.

GROOVED CONTRACTION JOINTS, 1/2" IN DEPTH, SHALL BE TOOLED IN ALL EXPOSED FACE OF THE PARAPET AND IN ACCORDANCE WITH ARTICLE 825-10(B) OF THE STANDARD SPECIFICATIONS. THE 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.

FOR DETAILS OF CONCRETE INSERTS IN END POST, SEE "RAIL POST SPACINGS AND END OF RAIL DETAILS" SHEET.

FOR LOCATION OF GUARDRAIL ANCHOR ASSEMBLIES, SEE "GUARDRAIL ANCHORAGE DETAILS FOR METAL RAILS" SHEET.

BAR TYPES



BILL OF MATERIAL FOR PARAPET AND END POSTS

| BAR | NO. | SIZE | TYPE | LENGTH | WEIGHT |
|----------------------------------|-----|------|------|---------|-----------------|
| * B1 | 32 | #5 | STR | 28'- 8" | 957 |
| * B2 | 64 | #5 | STR | 24'- 6" | 1635 |
| * E1 | 8 | #7 | STR | 2'- 6" | 41 |
| * E2 | 8 | #7 | STR | 3'- 0" | 49 |
| * E3 | 8 | #7 | STR | 3'- 6" | 57 |
| * E4 | 8 | #7 | STR | 4'- 0" | 65 |
| * E5 | 8 | #7 | STR | 4'- 4" | 71 |
| * F1 | 8 | #6 | STR | 1'-11" | 23 |
| * F2 | 8 | #6 | STR | 3'- 2" | 38 |
| * F3 | 8 | #6 | STR | 3'- 6" | 42 |
| * S1 | 320 | #5 | 1 | 5'- 5" | 1808 |
| * S2 | 320 | #5 | 2 | 5'- 6" | 1836 |
| * EPOXY COATED REINFORCING STEEL | | | | | 6,622 LBS. |
| CLASS AA CONCRETE | | | | | 35.0 CU. YDS. |
| CONCRETE PARAPET | | | | | 316.67 LIN. FT. |

PROJECT NO. B-4593
PAMLICO COUNTY
 STATION: 17+02.00 -L-

CONCRETE PARAPET DETAILS

VOLKERT

5430 Wade Park Blvd., Suite 410
 Raleigh, NC 27607
 Tel. 919-854-0344 Fax. 919-854-0355
 NC License No. F-0765



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

CONCRETE PARAPET AND END POST DETAILS

DRAWN BY: D. A. GLADDEN DATE: 11/18
 CHECKED BY: D. R. SMITH DATE: 12/18
 DESIGN ENGINEER OF RECORD: D. R. SMITH DATE: 12/18

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

| REVISIONS | | | | | | SHEET NO. |
|-----------|-----|-------|-----|-----|-------|--------------|
| NO. | BY: | DATE: | NO. | BY: | DATE: | S-25 |
| 1 | | | 3 | | | TOTAL SHEETS |
| 2 | | | 4 | | | 42 |