

NOTES

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

ALL REINFORCING STEEL IN PARAPET SHALL BE EPOXY COATED.

THE #5S1 & #5S2 BARS MAY BE SHIFTED SLIGHTLY IN ORDER TO MAINTAIN A 2" MINIMUM CLEARANCE TO THE 1/2" EXPANSION JOINT MATERIAL IN PARAPET.

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

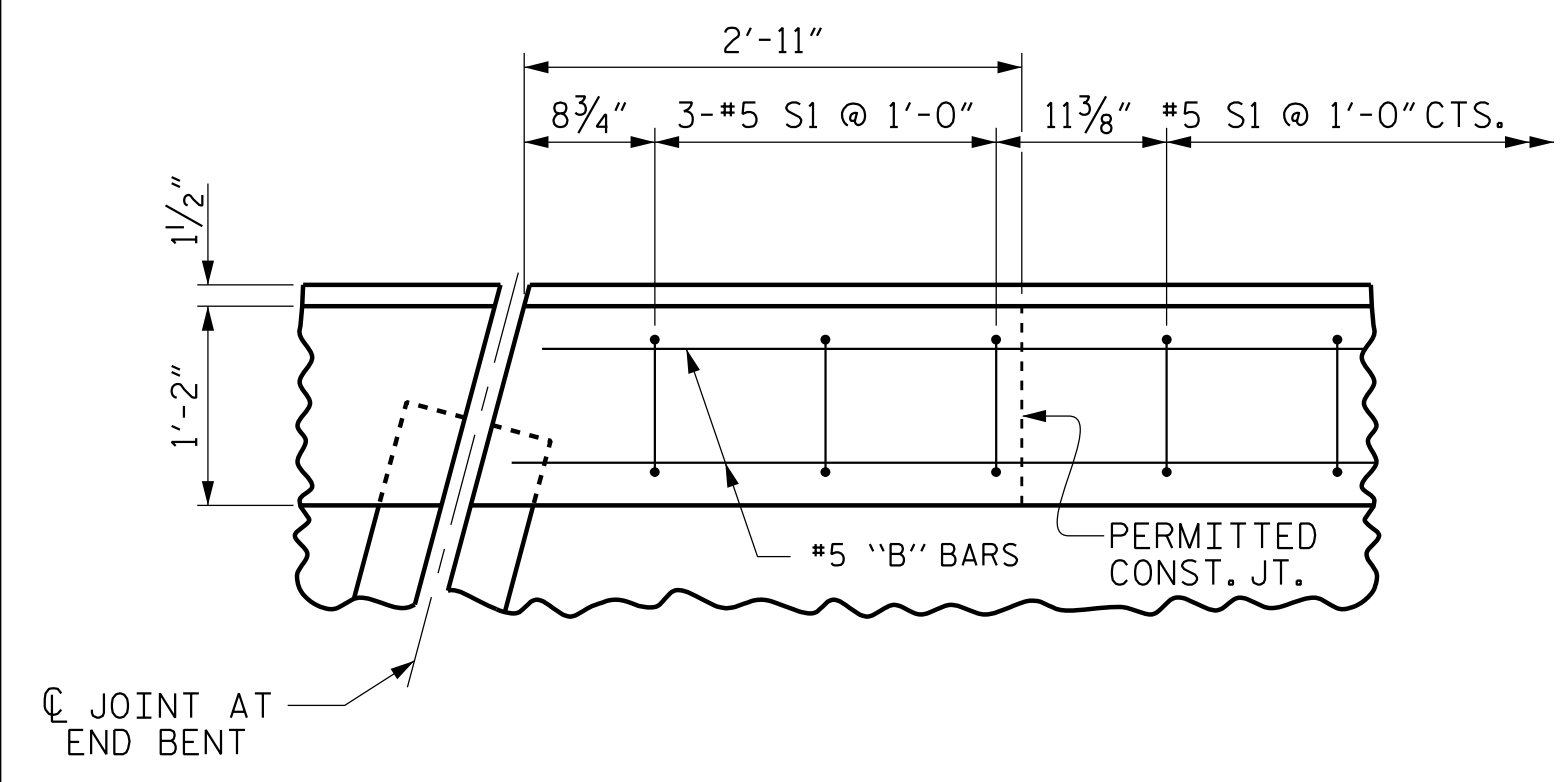
FOR DETAILS OF GUARDRAIL ANCHOR ASSEMBLIES, SEE "GUARDRAIL ANCHORAGE DETAILS FOR METAL RAILS" SHEET.

VERTICAL GROOVED CONTRACTION JOINTS, 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. 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.

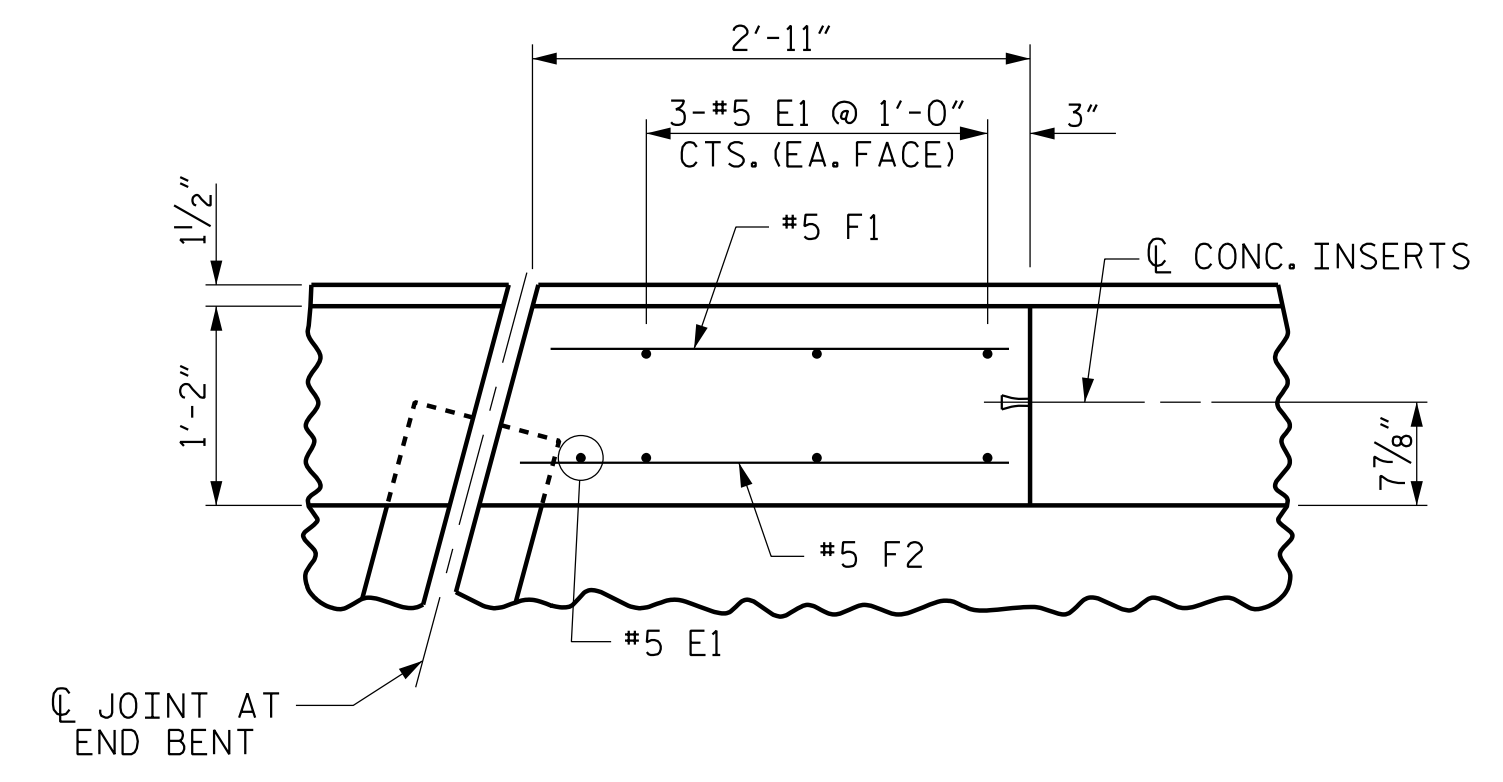
BAR TYPE

ALL BAR DIMENSIONS ARE OUT TO OUT

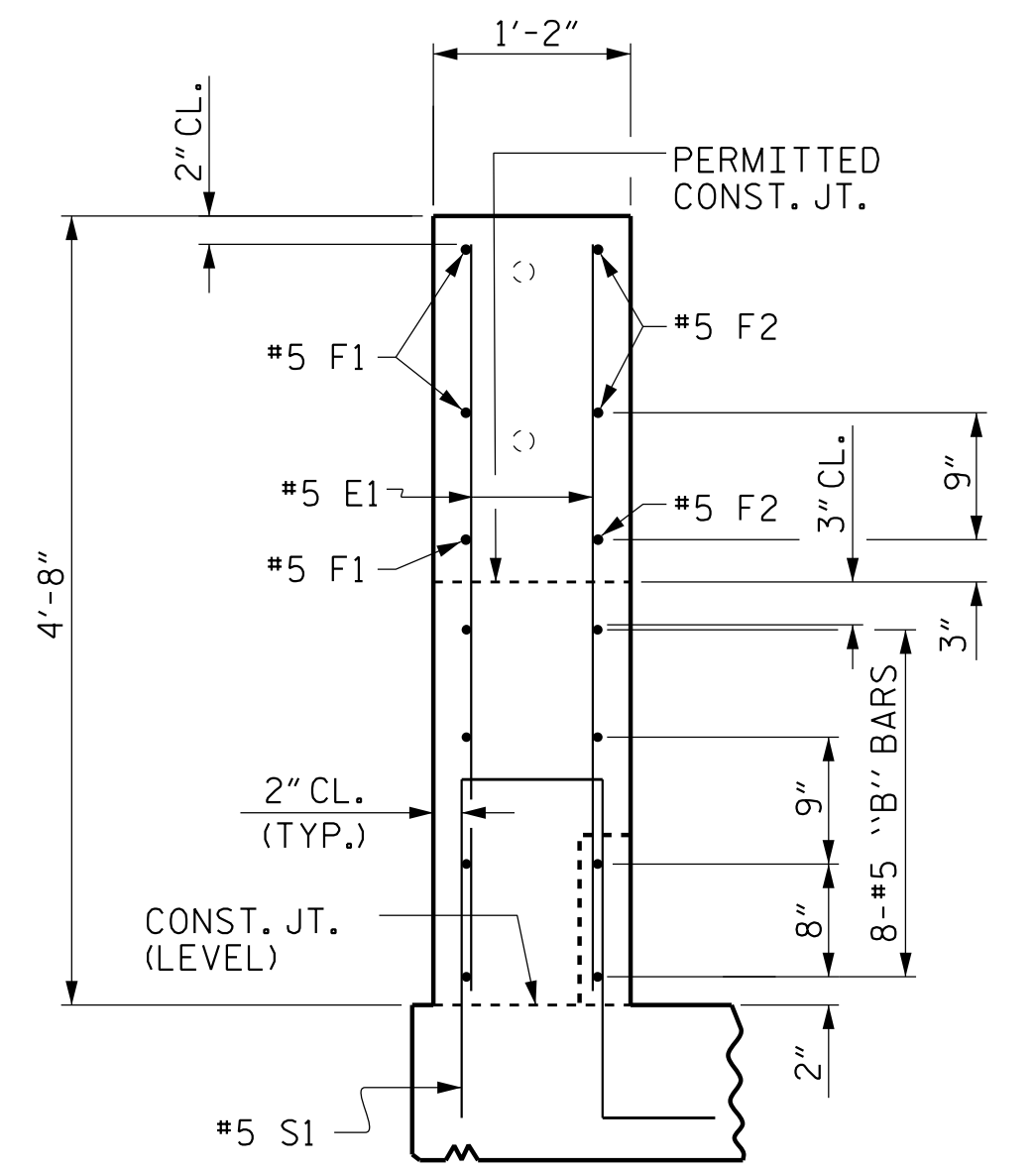
BILL OF MATERIAL FOR CONCRETE PARAPET					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
*B1	96	#5	STR	25'-1"	2512
*B2	32	#5	STR	14'-7"	487
*B3	32	#5	STR	15'-0"	501
*E1	28	#5	STR	4'-6"	131
*F1	12	#5	STR	2'-7"	32
*F2	12	#5	STR	3'-2"	40
*S1	410	#5	1	5'-5"	2316
*S2	398	#5	2	5'-6"	2283
*EPOXY COATED REINFORCING STEEL					8302 LBS.
CLASS AA CONCRETE					45.7 CU. YDS.
CONCRETE PARAPET					412.32 LIN. FT.



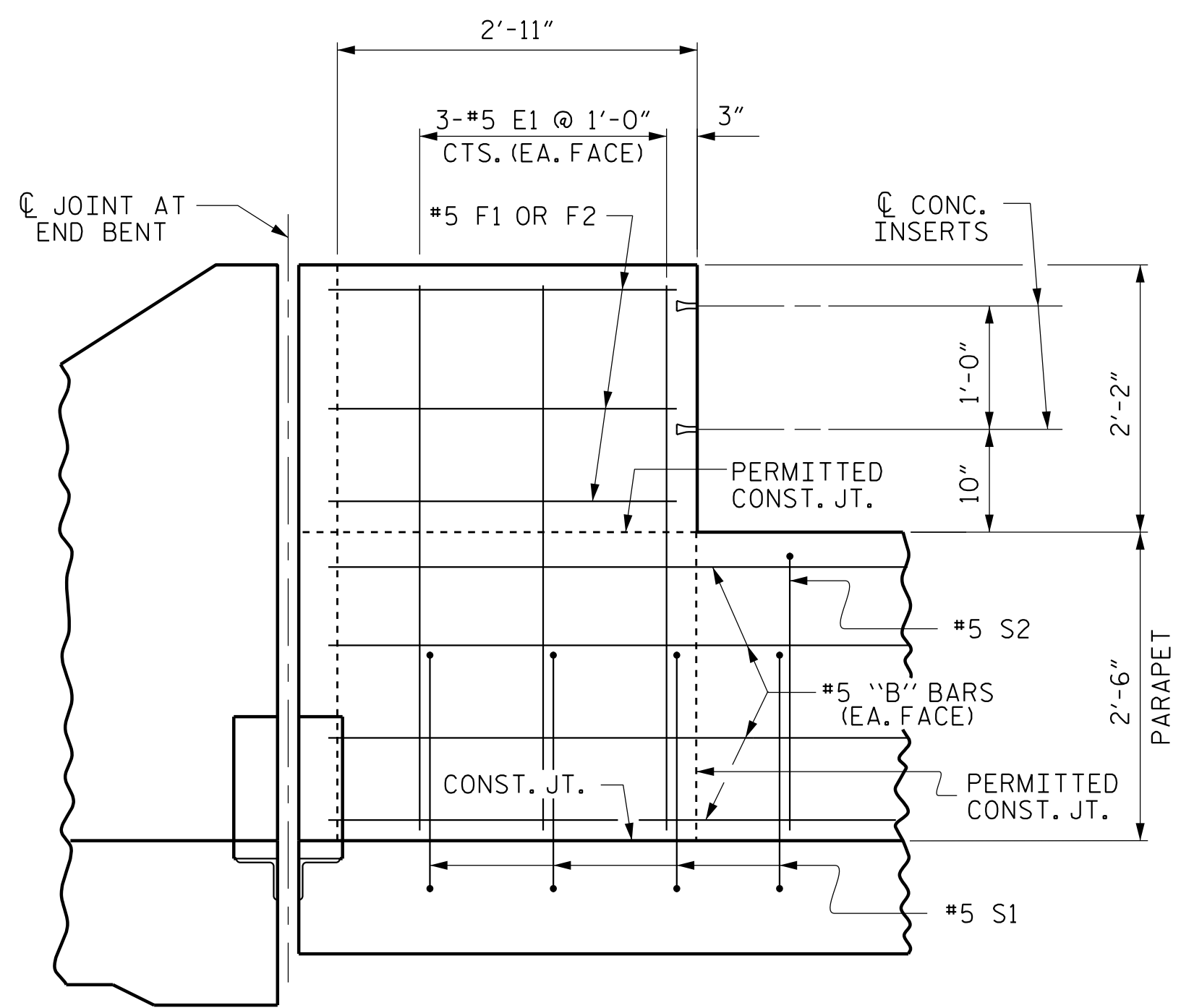
PLAN OF PARAPET



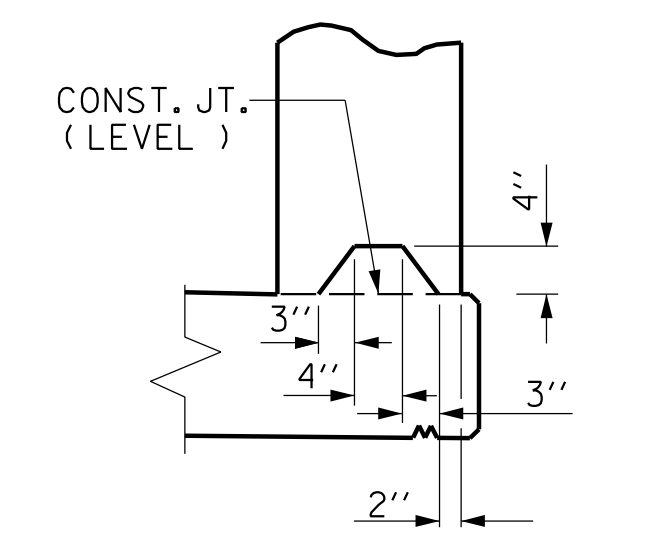
PLAN OF METAL RAIL ATTACHMENT POST



END VIEW

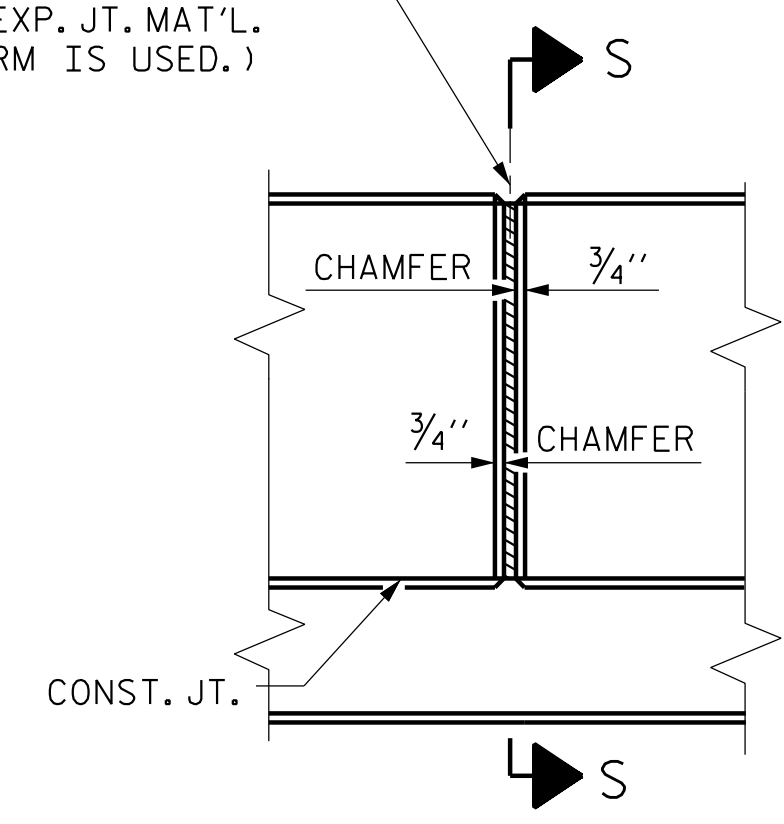


ELEVATION



SECTION S-S AT DAM IN OPEN JOINT (THIS IS TO BE USED ONLY WHEN SLIP FORM IS USED)

1/2" EXP. JT. MAT'L HELD IN PLACE WITH GALVANIZED NAILS. (NOTE: OMIT EXP. JT. MAT'L. WHEN SLIP FORM IS USED.)



ELEVATION AT EXPANSION JOINTS

PARAPET AND METAL RAIL ATTACHMENT POST FOR TWO BAR METAL RAIL

PROJECT NO. U-2519BB  
 CUMBERLAND COUNTY  
 STATION: 80+65.32 -Y17- POT

SHEET 2 OF 2

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH

SUPERSTRUCTURE

1'-2" x 2'-6"  
 CONCRETE PARAPET

REVISIONS				SHEET NO.	
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		

TOTAL SHEETS: 41

PLANS PREPARED BY:

**NV5**

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 3/29/2022

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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DRAWN BY: M. D. METZGER DATE: 2/22  
 CHECKED BY: L. K. AUSTIN DATE: 2/22  
 DESIGN ENGINEER OF RECORD: L. K. AUSTIN DATE: 2/22