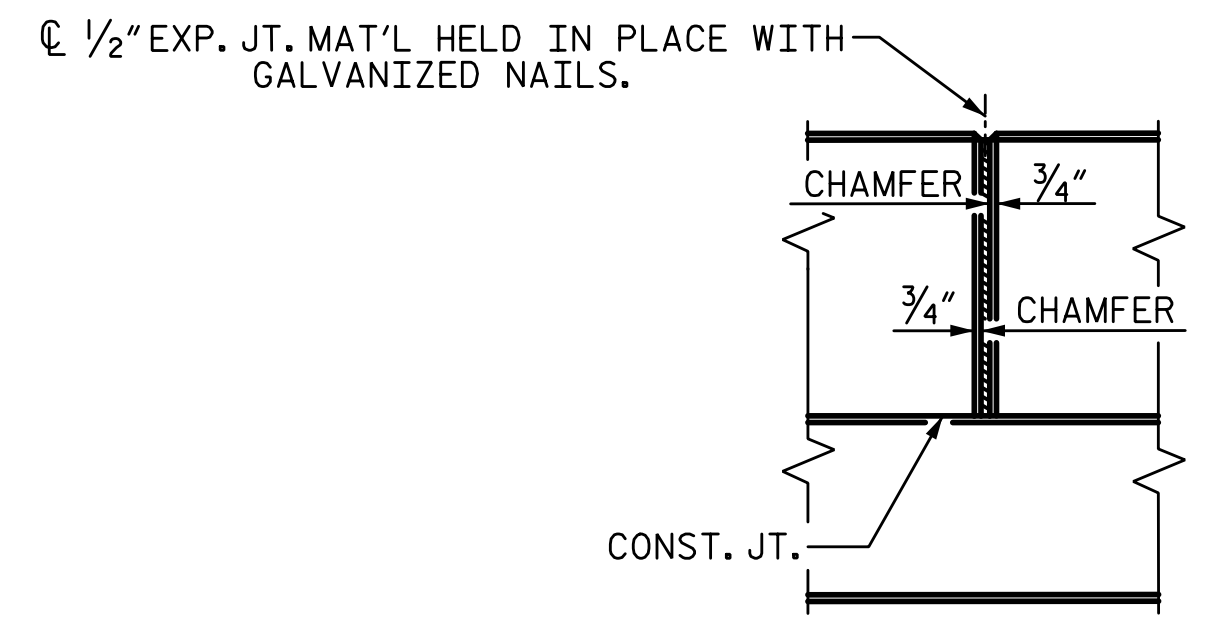


2/7/2023 11:19:31 AM P:\Raleigh\Projects\2018\Division 7 (SEA)\17BP7R142 Guilford 225 (Rehobeth Ch Rd over I-85 Bus)\Structures\Drawings\Final\17BP7R142_SMJ_BR_400225.dgn



ELEVATION AT EXPANSION JOINTS

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.

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

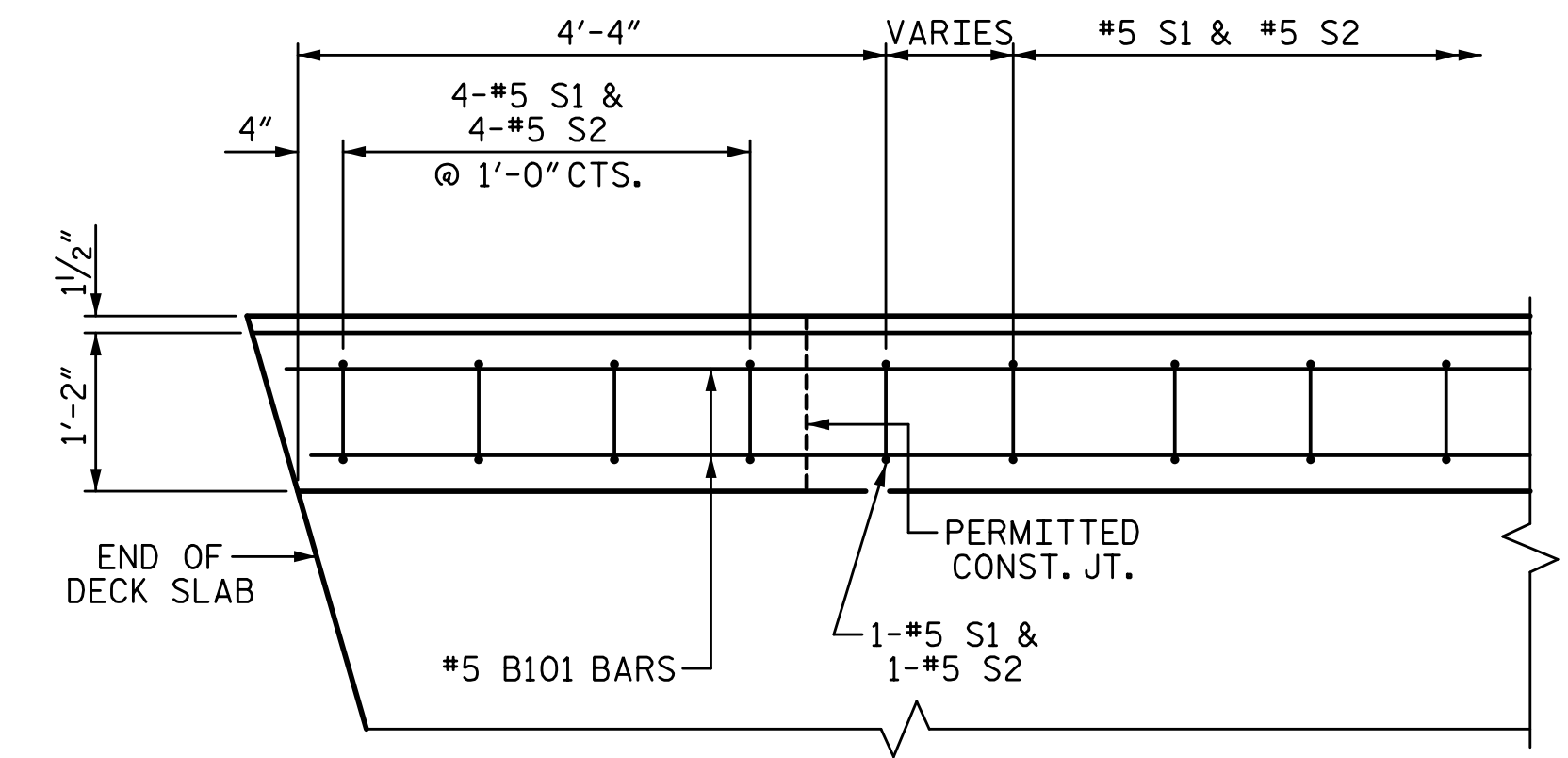
FOR DETAILS OF CONCRETE INSERTS IN END POSTS, SEE "RAIL POST SPACINGS AND END OF RAIL DETAILS" SHEET.

GROOVED CONTRACTION JOINTS, 1/2" IN DEPTH, SHALL BE TOOLED IN ALL EXPOSED FACES OF THE PARAPET 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.

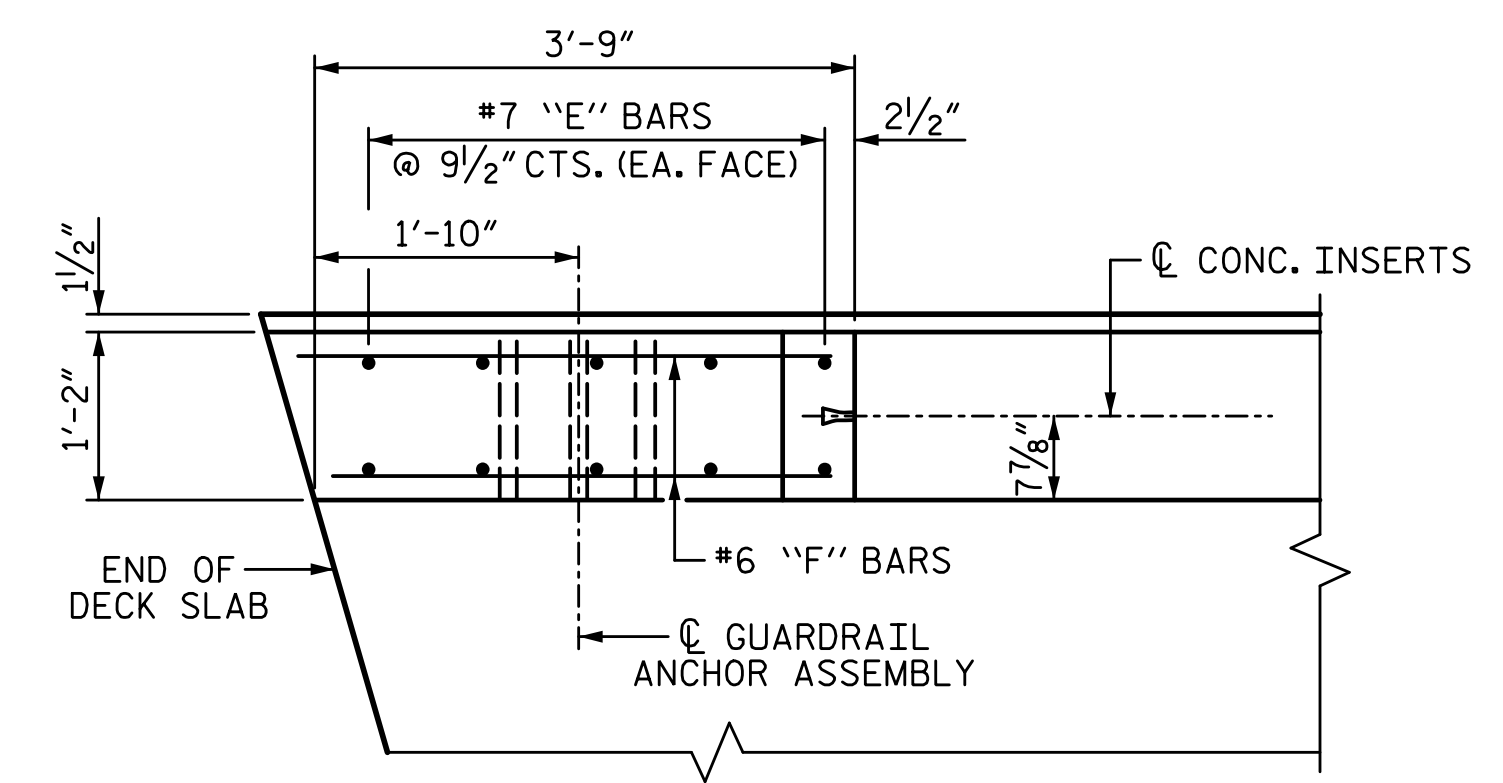
FOR DETAILS AND LOCATION OF GUARDRAIL ANCHOR ASSEMBLIES, SEE "GUARDRAIL ANCHORAGE DETAILS FOR METAL RAILS" SHEET.

BAR TYPES		BILL OF MATERIAL				
PARAPET AND END POSTS						
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	
*B101	40	#5	STR	12'-1"	504	
*B102	60	#5	STR	25'-7"	1601	
*E1	4	#7	STR	3'-3"	27	
*E2	4	#7	STR	3'-9"	31	
*E3	4	#7	STR	4'-2"	34	
*E4	4	#7	STR	4'-8"	38	
*E5	4	#7	STR	5'-0"	41	
*F1	4	#6	STR	1'-11"	12	
*F2	2	#6	STR	3'-4"	10	
*F3	2	#6	STR	3'-10"	12	
*F4	2	#6	STR	3'-1"	9	
*F5	2	#6	STR	3'-7"	11	
*S1	200	#5	1	6'-10"	1425	
*S2	200	#5	2	6'-6"	1356	
*EPOXY COATED REINFORCING STEEL					5111 LB	
CLASS AA CONCRETE					28.1 CY	
1'-2" X 3'-2 3/4" CONCRETE PARAPET					198.54 LF	

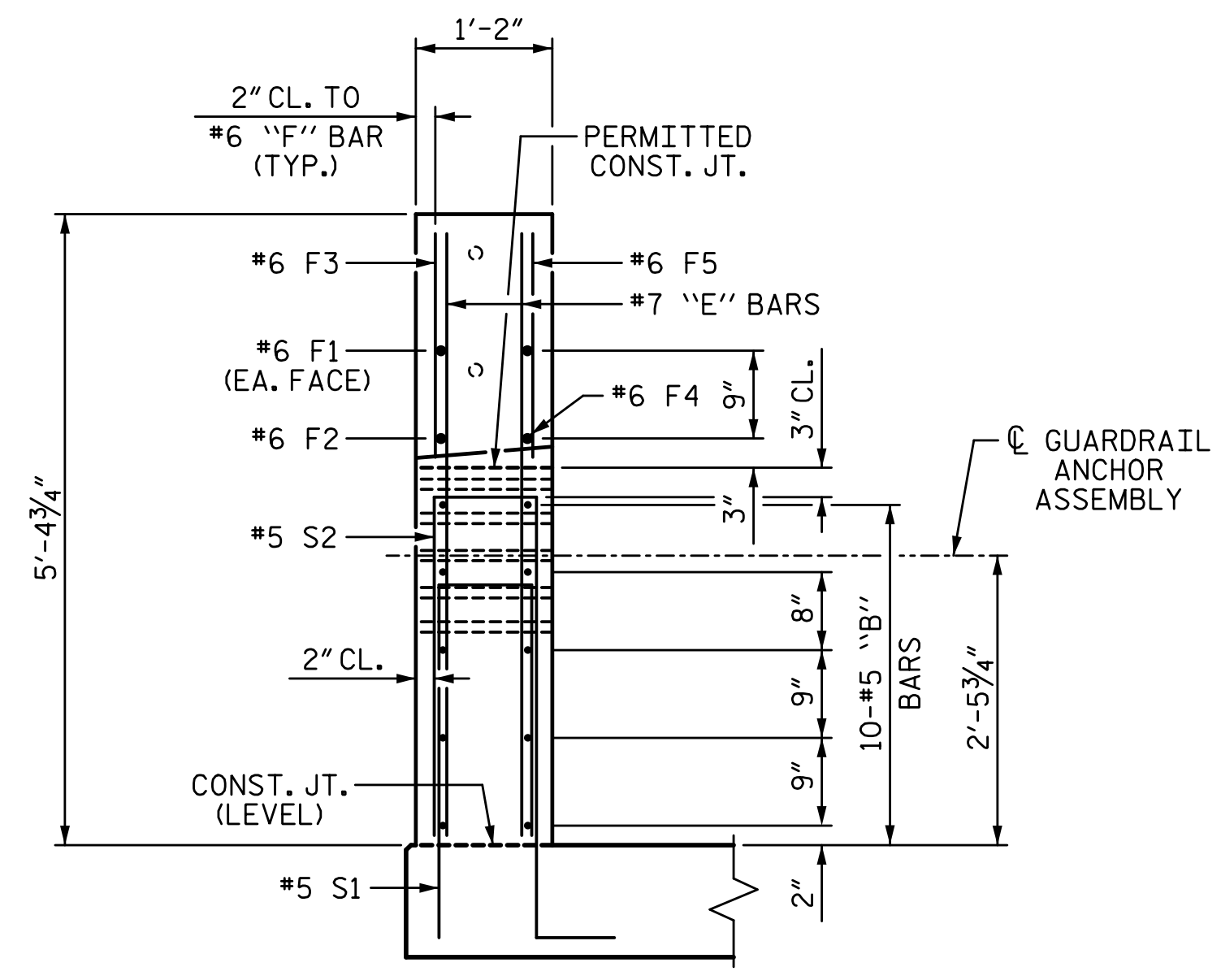
ALL BAR DIMENSIONS ARE OUT TO OUT



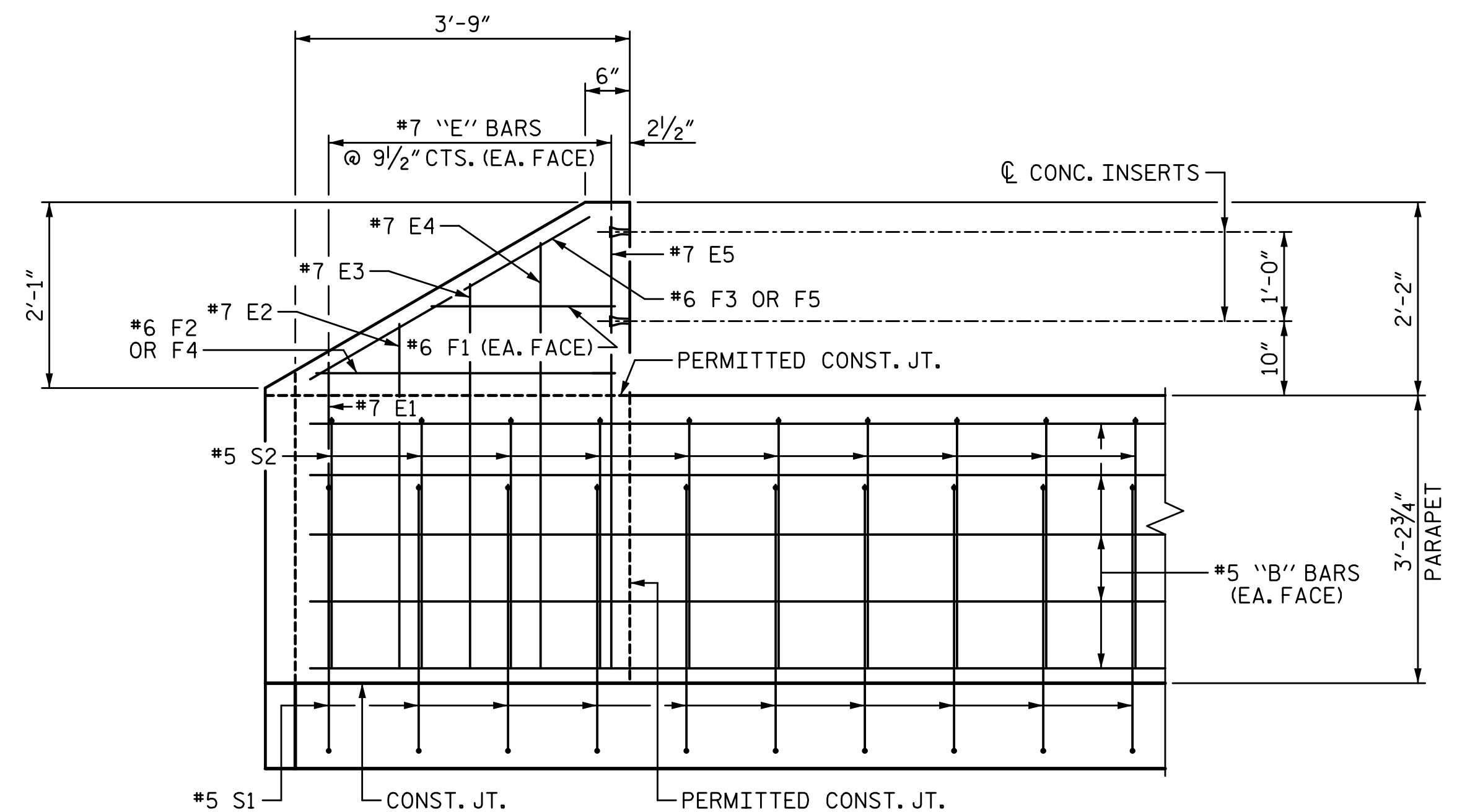
PLAN OF PARAPET @ END BENT 1
END BENT 2 SIMILAR



PLAN OF END POST @ END BENT 1
END BENT 2 SIMILAR



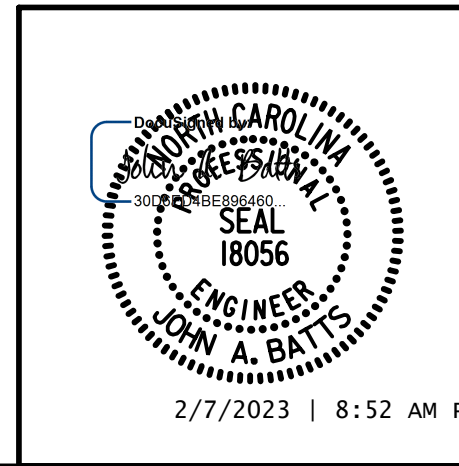
END VIEW



ELEVATION

PARAPET AND END POST FOR TWO BAR METAL RAIL
(1'-2" x 3'-2 3/4" PARAPET)

PROJECT NO. BP7.R006.3
GUILFORD COUNTY
 STATION: 18+82.09 -L-
 SHEET 2 OF 3



STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH SUPERSTRUCTURE					
CONCRETE PARAPET DETAILS					
STAGE 1					
REVISIONS					
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		

DRAWN BY: <u>S.D. COOPER</u>	DATE: <u>2-22</u>
CHECKED BY: <u>J.A. BATTS</u>	DATE: <u>2-22</u>
DESIGN ENGINEER OF RECORD: <u>J.A. BATTS</u>	DATE: <u>2-22</u>

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED					
SHEET NO. S-33					
TOTAL SHEETS 58					