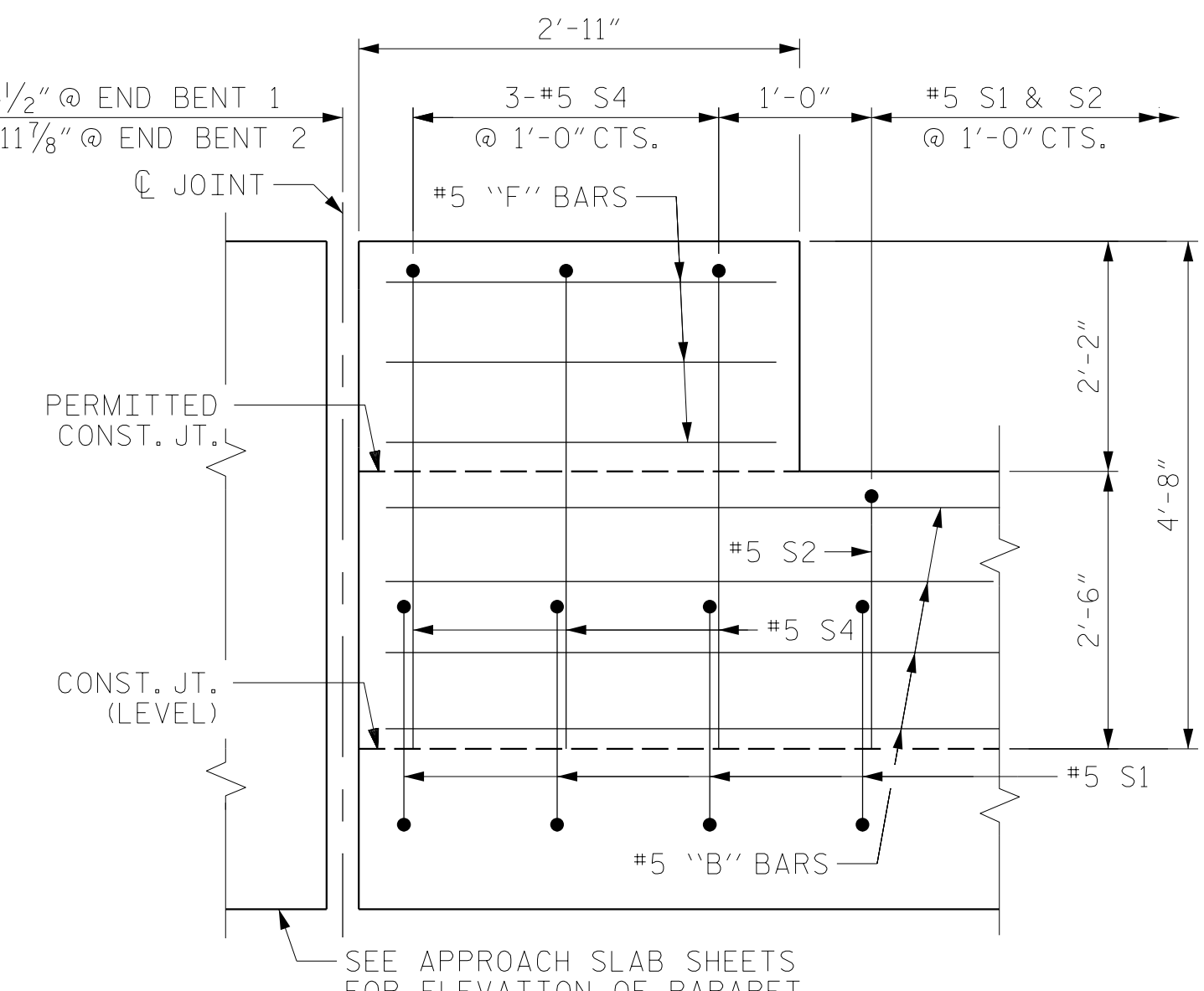


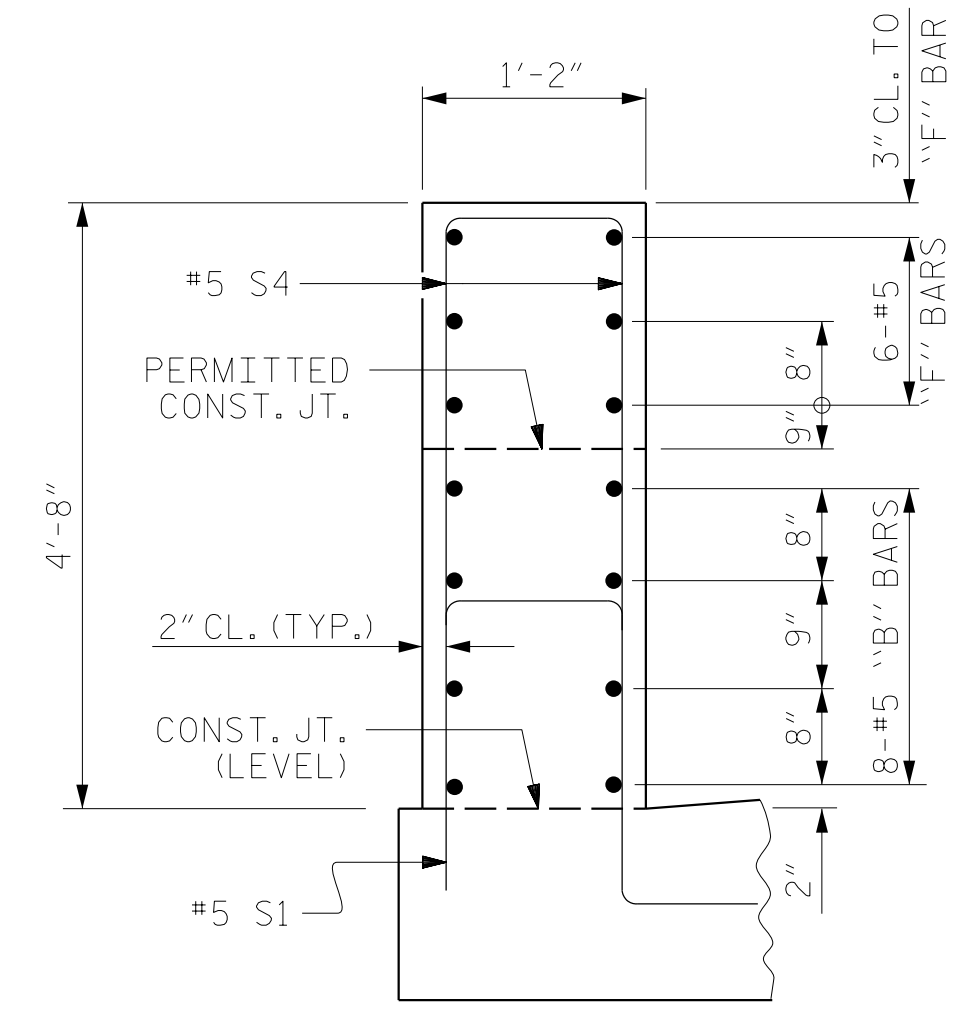
BILL OF MATERIAL FOR CONCRETE PARAPET						
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	
*B1	288	#5	STR	27'-7"	8286	
*B2	9	#5	STR	15'-7"	146	
*B3	9	#5	STR	14'-7"	137	
*B4	9	#5	STR	7'-7"	71	
*B5	9	#5	STR	8'-7"	81	
*E1	4	#5	STR	4'-5"	18	
*E2	4	#5	STR	5'-3"	22	
*F1	12	#5	STR	3'-8"	46	
*F2	12	#5	STR	2'-8"	33	
*S1	942	#5	1	5'-6"	5404	
*S2	465	#5	2	5'-4"	2586	
*S3	465	#5	2	7'-1"	3435	
*S4	6	#5	2	9'-8"	60	
*S5	6	#5	2	11'-5"	71	
*EPOXY COATED REINFORCING STEEL					20,396 LBS.	
CLASS AA CONCRETE					120.3 C.Y.	
1'-2" X 2'-6" CONCRETE PARAPET					472.1 L.F.	
1'-2" X 3'-3 3/4" CONCRETE PARAPET					472.1 L.F.	

PLAN VIEW @ END BENT 1

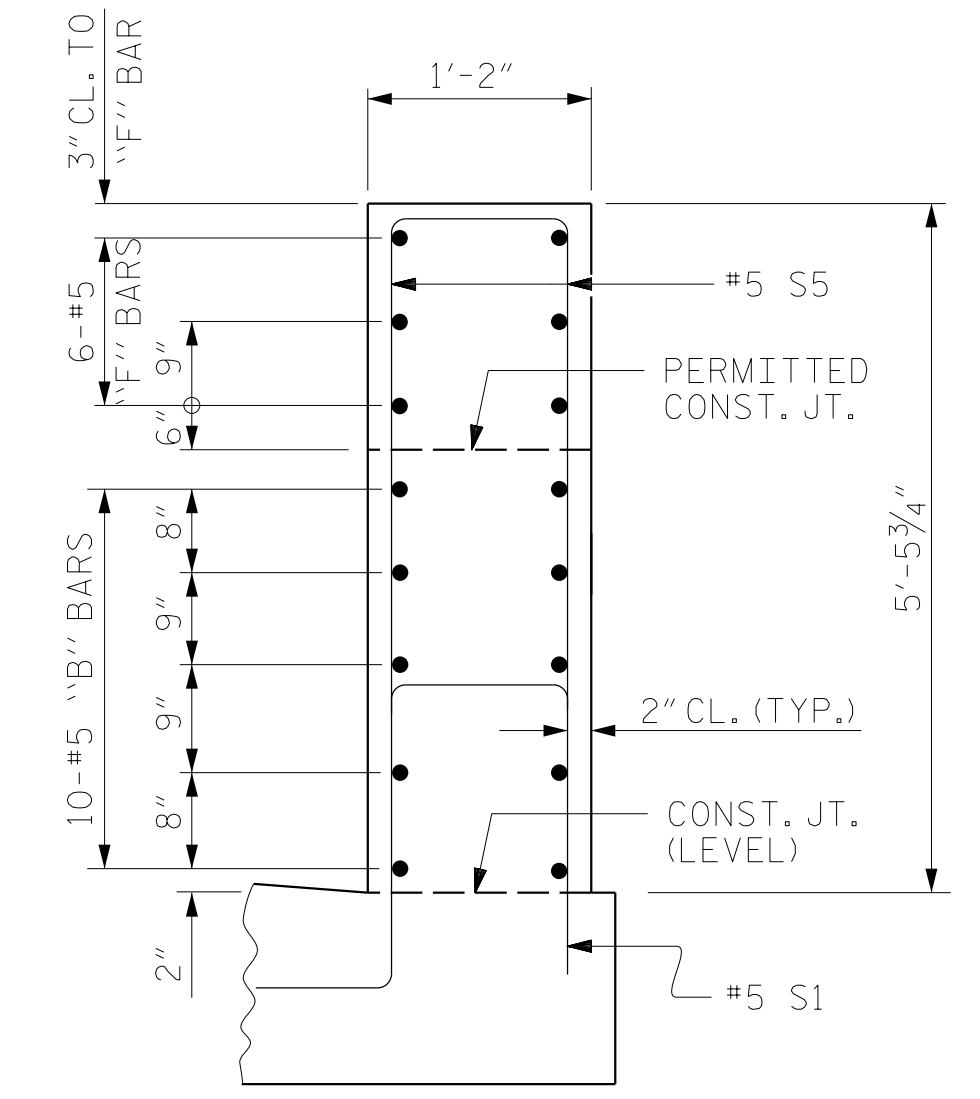
PLAN VIEW @ END BENT 2



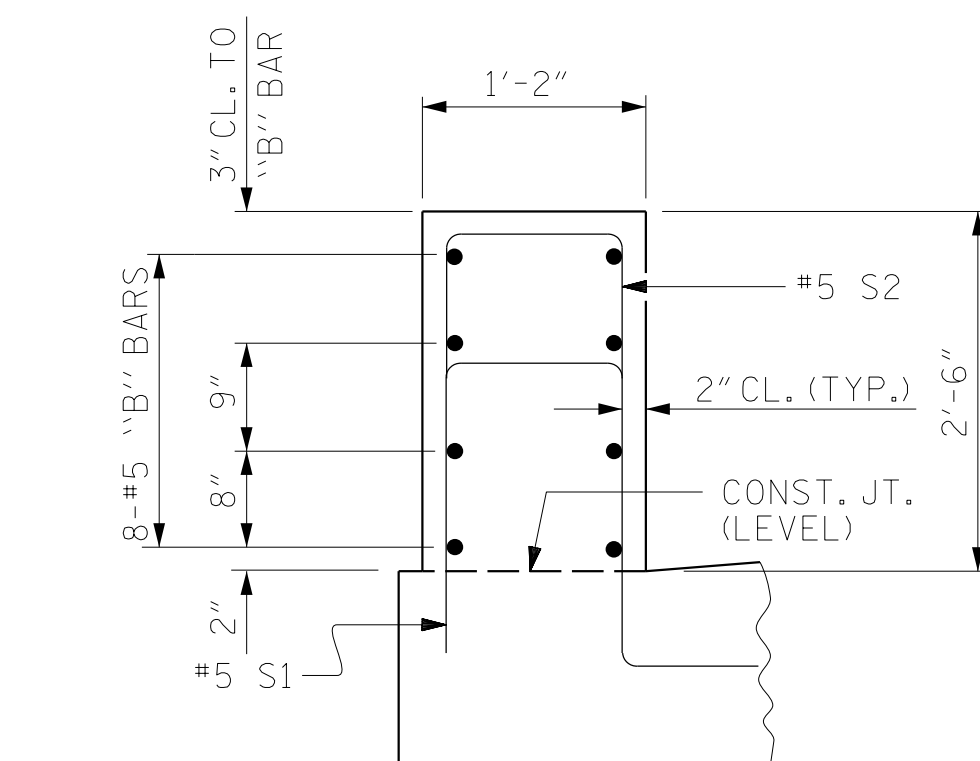
ELEVATION VIEW OF LEFT PARAPET (END BENT 1 SHOWN, END BENT 2 SIMILAR)



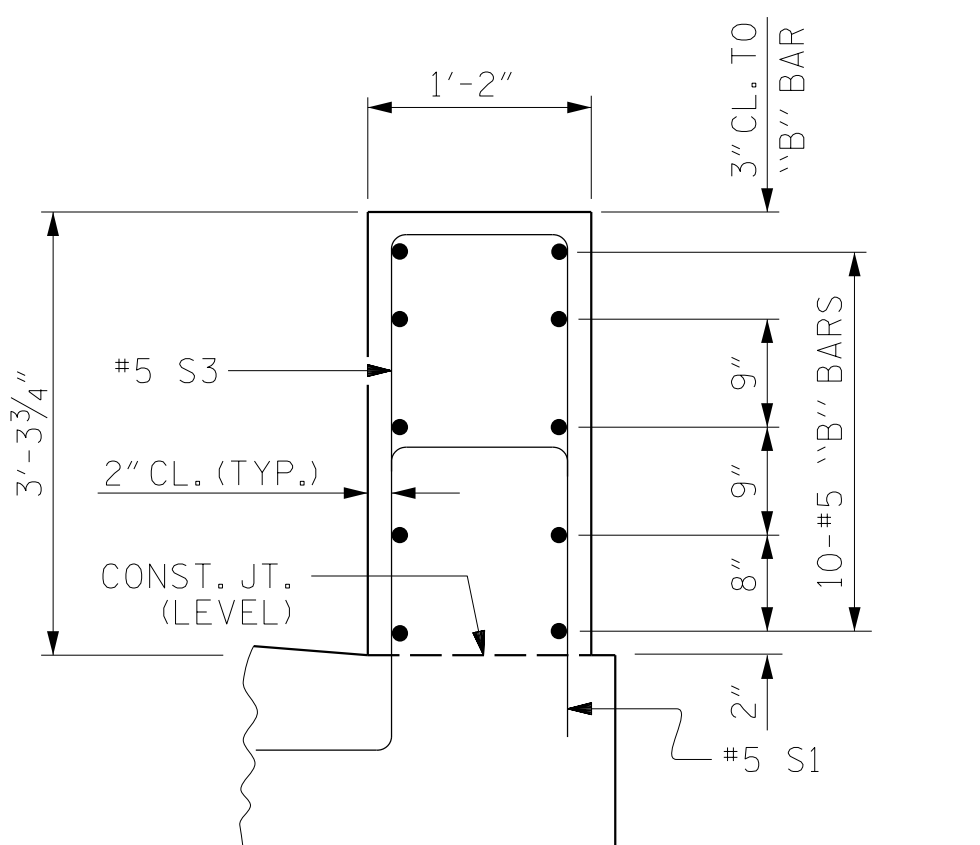
SECTION T-T



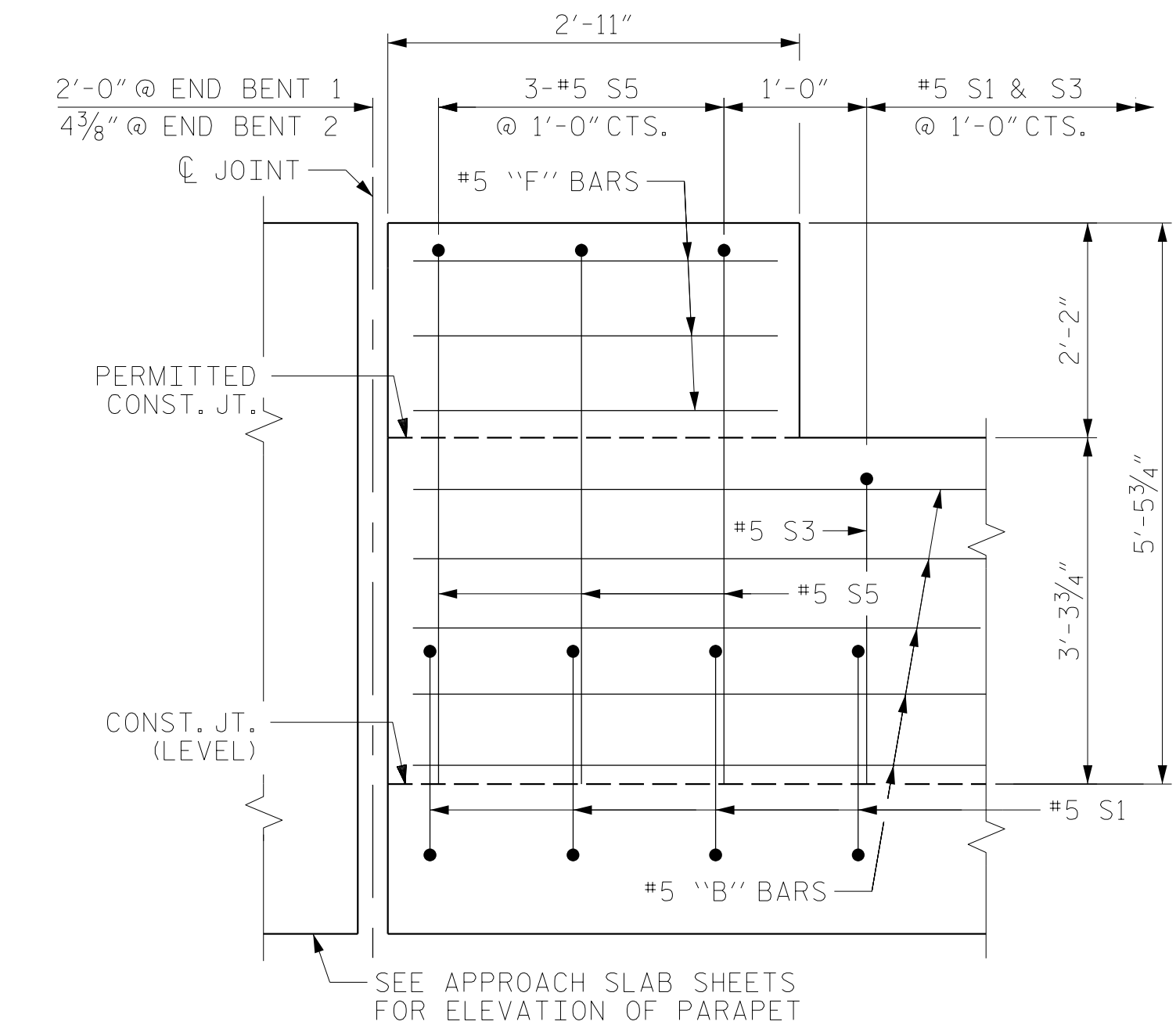
SECTION R-R



SECTION THROUGH LEFT PARAPET



SECTION THROUGH RIGHT PARAPET



ELEVATION VIEW OF RIGHT PARAPET (END BENT 1 SHOWN, END BENT 2 SIMILAR)

NOTES:

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

ALL REINFORCING STEEL IN THE CONCRETE PARAPET SHALL BE EPOXY COATED.

SEE "GUARDRAIL ANCHORAGE DETAILS FOR METAL RAILS" SHEET FOR GUARDRAIL ANCHOR ASSEMBLY.

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.

#5 "S" BARS MAY BE SHIFTED AS NECESSARY TO CLEAR EXPANSION JOINTS IN RAIL.

PROJECT NO. U-2579AB
FORSYTH COUNTY
 STATION: 23+43.03 -Y16-

SHEET 2 OF 5



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 SUPERSTRUCTURE
 CONCRETE PARAPET
 DETAILS

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			TOTAL SHEETS
2			4			48

DRAWN BY : TWL DATE : 11/2019
 CHECKED BY : MRA DATE : 12/2019
 DESIGN ENGINEER OF RECORD: JMR DATE : 12/2019

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED