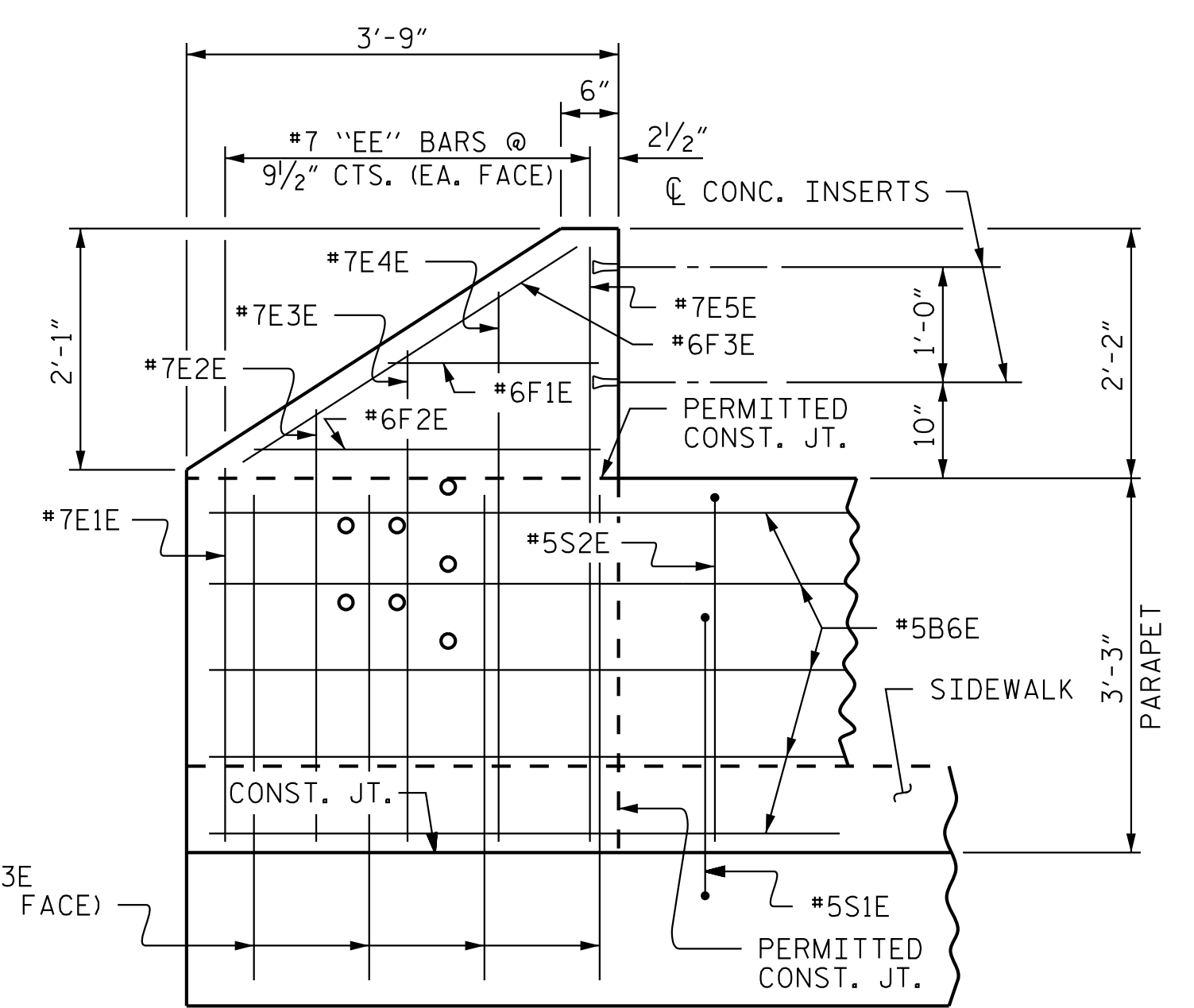
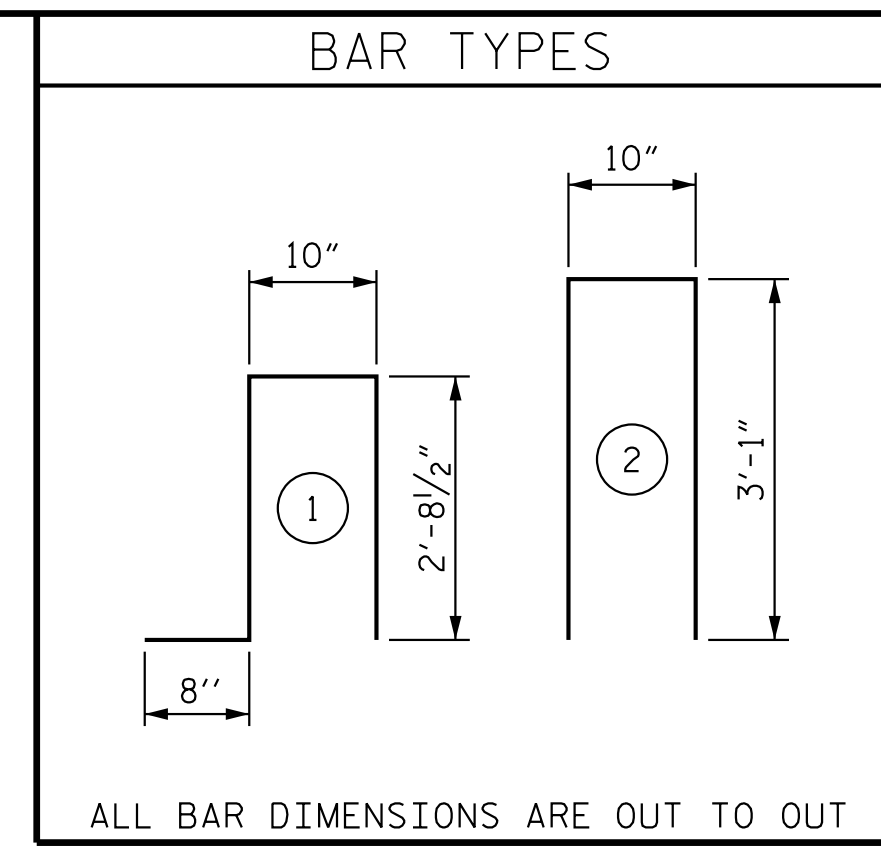


END VIEW

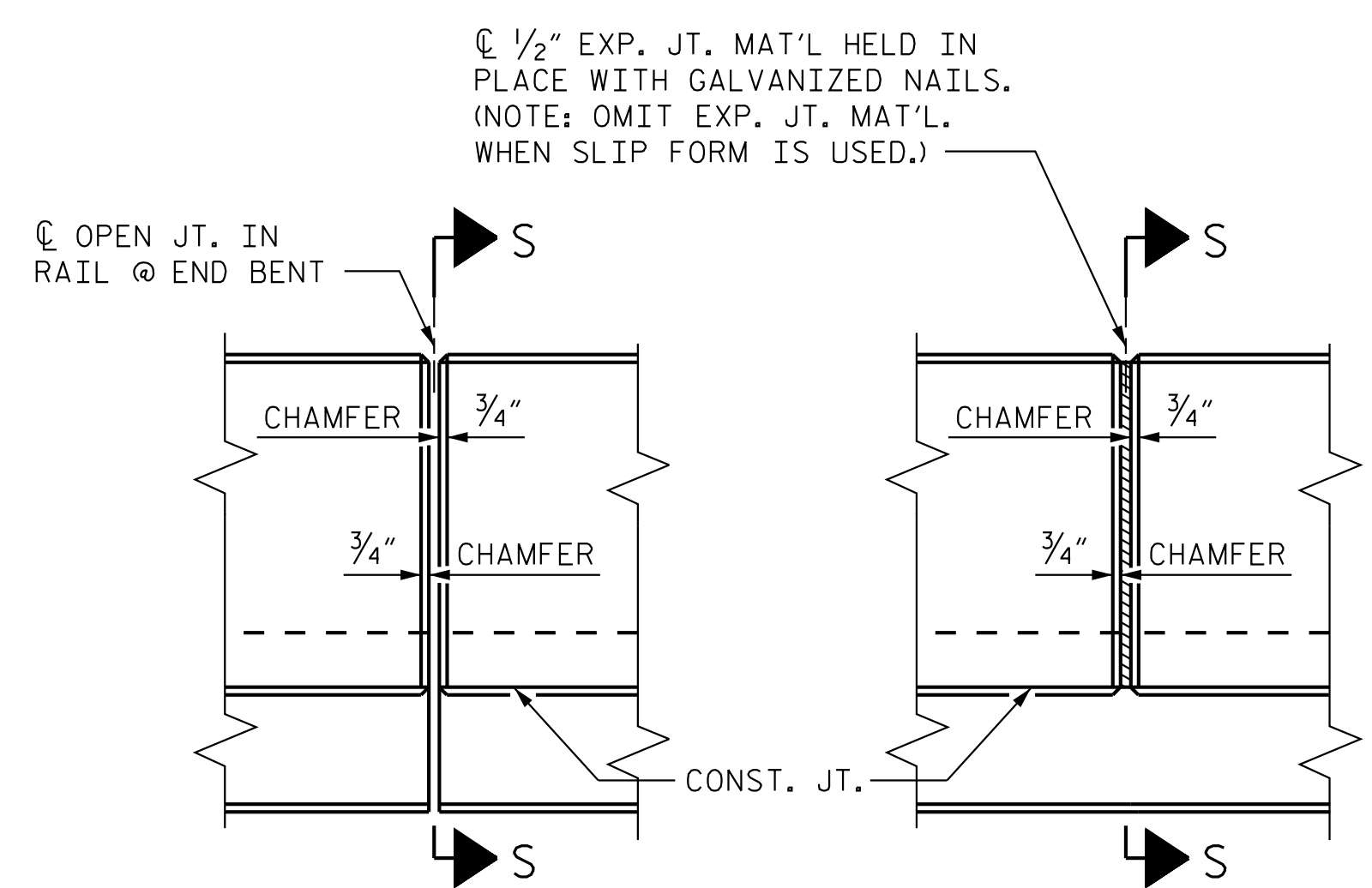


ELEVATION

PARAPET AND END POST FOR TWO BAR RAIL

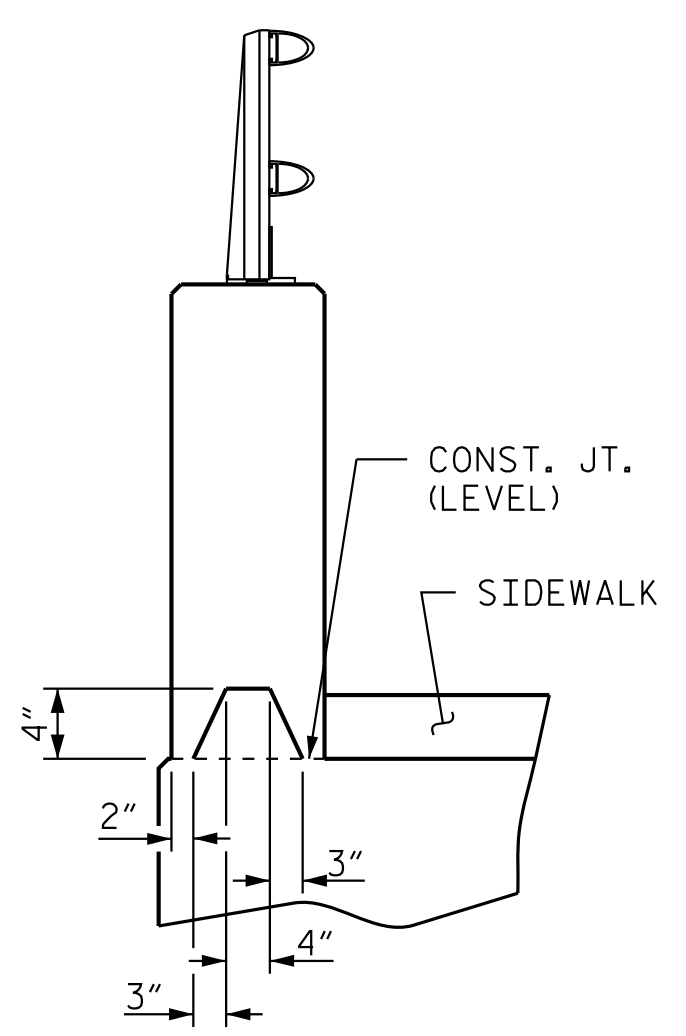


BILL OF MATERIAL					
CONCRETE PARAPET AND TWO END POSTS					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1E	10	#5	STR	26'-10"	280
B2E	50	#5	STR	27'-11"	1456
B3E	40	#5	STR	24'-7"	1026
B4E	50	#5	STR	22'-11"	1195
B5E	10	#5	STR	21'-10"	228
B6E	20	#5	STR	9'-7"	200
E1E	4	#7	STR	3'-3"	27
E2E	4	#7	STR	3'-9"	31
E3E	4	#7	STR	4'-3"	35
E4E	4	#7	STR	4'-9"	39
E5E	4	#7	STR	5'-1"	42
F1E	4	#6	STR	1'-10"	11
F2E	4	#6	STR	3'-0"	18
F3E	4	#6	STR	3'-5"	21
S1E	420	#5	1	6'-11"	3030
S2E	420	#5	2	7'-0"	3066
S3E	16	#5	STR	3'-9"	63
EPOXY COATED REINFORCING STEEL					LBS. 10,768
CLASS AA CONCRETE					C. Y. 60.5
1'-2" X 3'-3" CONCRETE PARAPET					427.9 LF

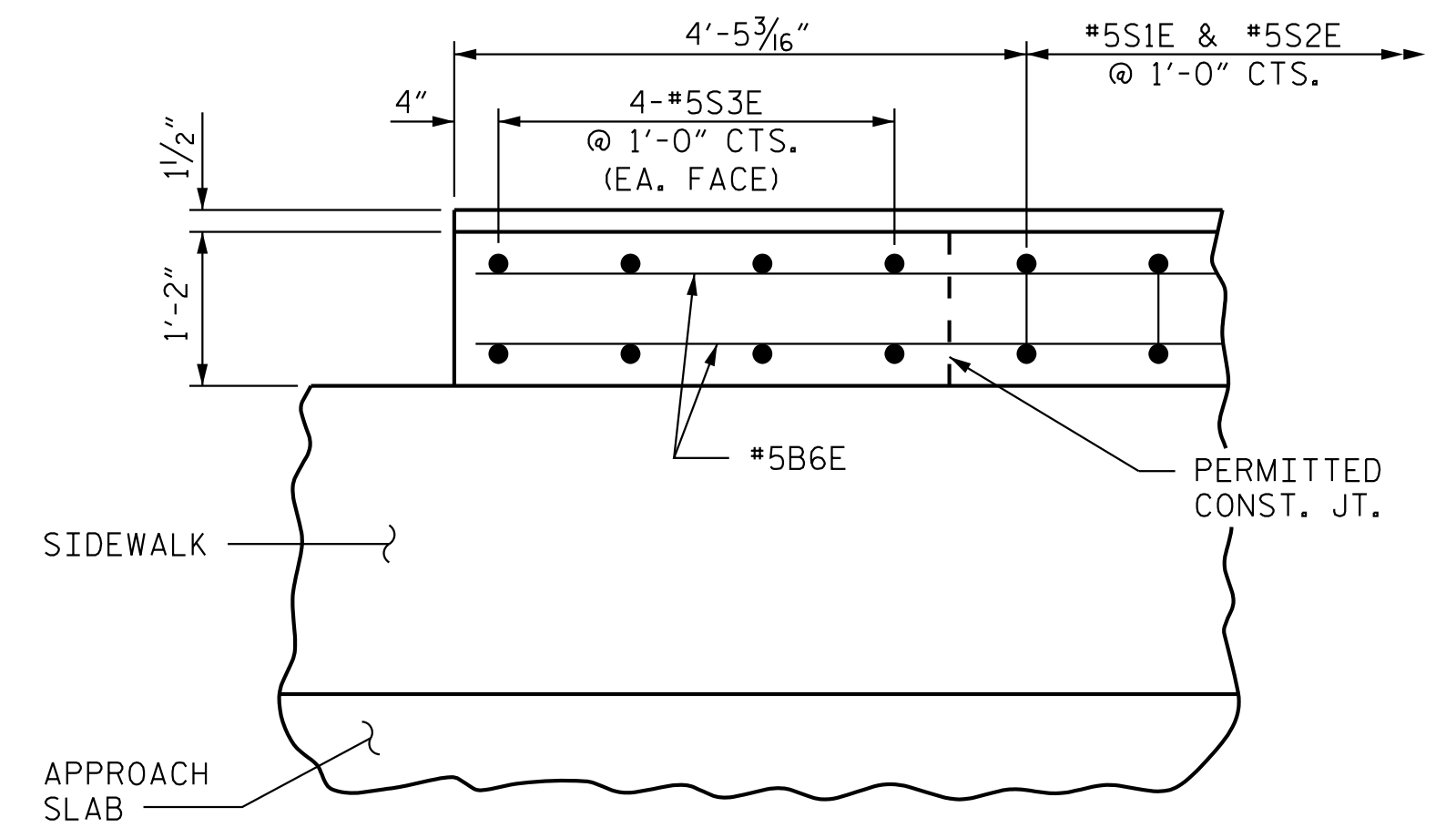


ELEVATION AT EXPANSION JOINTS

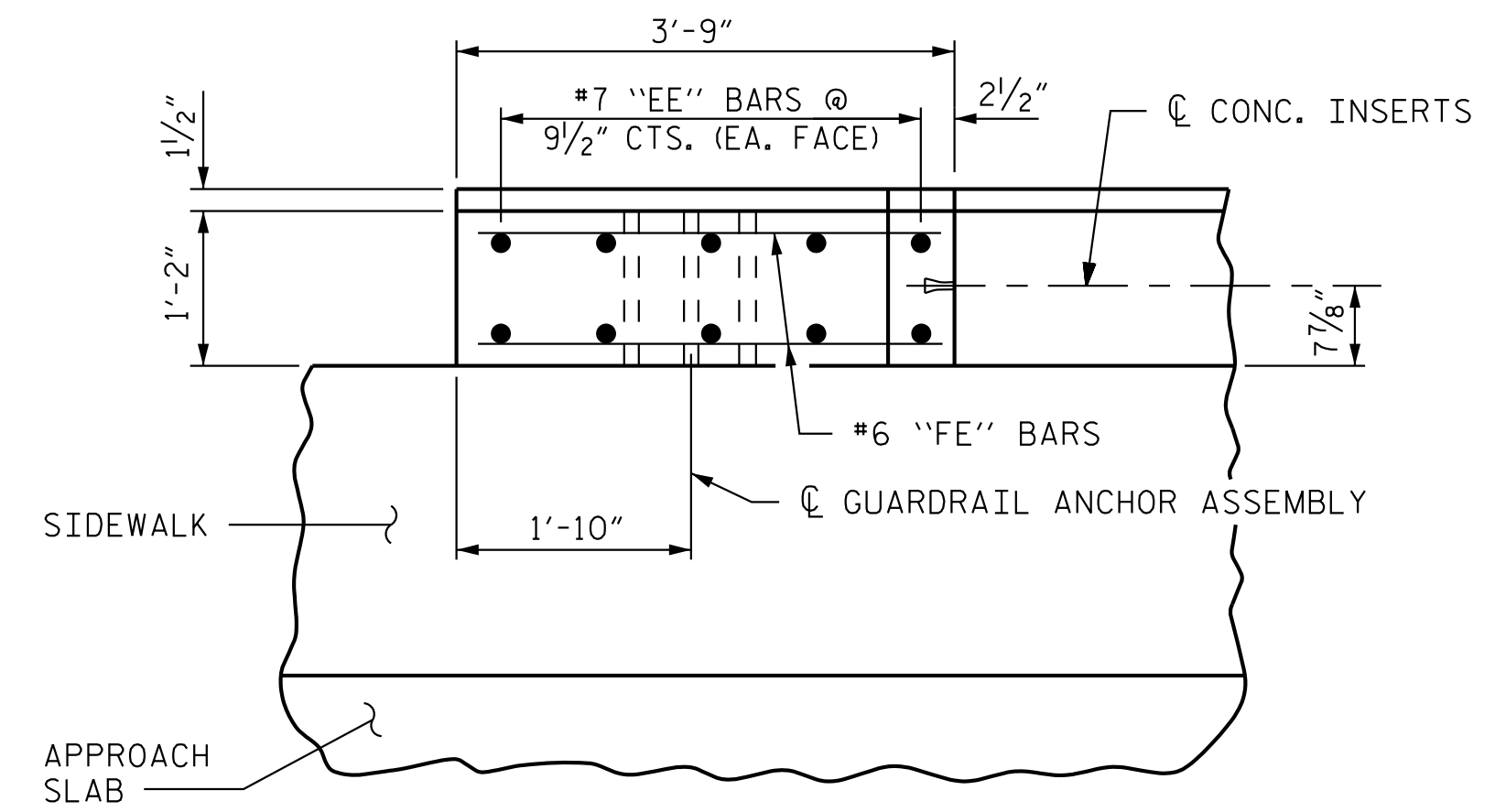
ELEVATION AT EXPANSION JOINTS



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



PLAN OF PARAPET



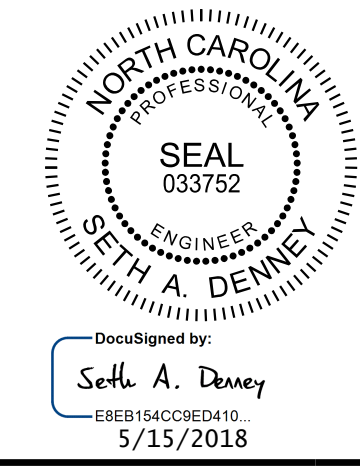
PLAN OF END POST

NOTES:

- THE PARAPET IN EACH SPAN 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 AND END POSTS 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 RAIL" SHEET.
- GROOVED CONTRACTION JOINTS, 1/2" IN DEPTH, SHALL BE TOOLED IN ALL EXPOSED FACES OF THE PARAPET RAIL AND IN ACCORDANCE WITH ARTICLE 825-10(B) OF THE STANDARD SPECIFICATIONS. THE CONTRACTION JOINT SHALL BE LOCATED AT EACH THIRD POINT BETWEEN BARRIER RAIL EXPANSION JOINTS. ONLY ONE CONTRACTION JOINT IS REQUIRED AT MIDPOINT OF BARRIER RAIL SEGMENTS LESS THAN 20 FEET IN LENGTH AND NO CONTRACTION JOINTS ARE REQUIRED FOR THOSE SEGMENTS LESS THAN 10 FEET IN LENGTH.
- CONCRETE IN PARAPETS SHALL BE CLASS AA NORMAL WEIGHT CONCRETE.

PROJECT NO. R-3822
HALIFAX COUNTY
 STATION: 99+17.60 -L1-

SHEET 5 OF 7



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STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 SUPERSTRUCTURE
**CONCRETE PARAPET
 DETAILS**
 (LEFT SIDE)

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-29
1			3			TOTAL SHEETS
2			4			58

**DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED**

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DRAWN BY: D. D. LOWERY DATE: 03/18
 CHECKED BY: A. L. PHILLIPS DATE: 03/18
 DESIGN ENGINEER OF RECORD: S. A. DENNEY DATE: 03/18

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