NOTES

THE 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.

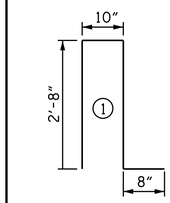
ALL REINFORCING STEEL IN CONCRETE PARAPETS SHALL BE EPOXY COATED.

SEE "END OF RAIL DETAILS" SHEET FOR CONCRETE INSERT DETAILS.

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

THE #5 S2 BARS SHALL BE INSTALLED, USING AN ADHESIVE ANCHORING SYSTEM, AFTER SAWING THE JOINT. THE YIELD LOAD FOR THE #5 S3 BARS IS 18.6 KIPS. FIELD TESTING FOR THE ADHESIVE BONDING SYSTEM IS NOT REQUIRED.

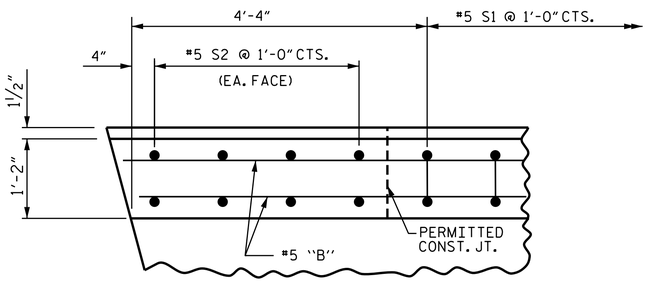
BAR TYPE



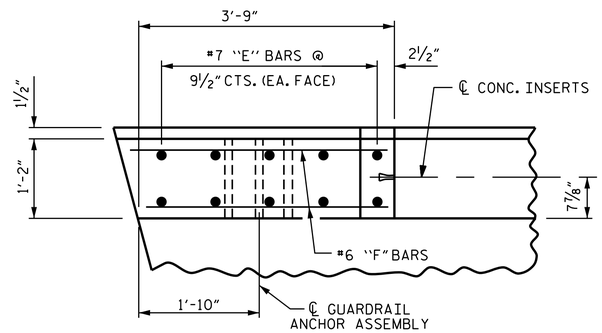
ALL BAR DIMENSIONS ARE OUT TO OUT.

BILL OF MATERIAL
PARAPET & FOUR END POSTS

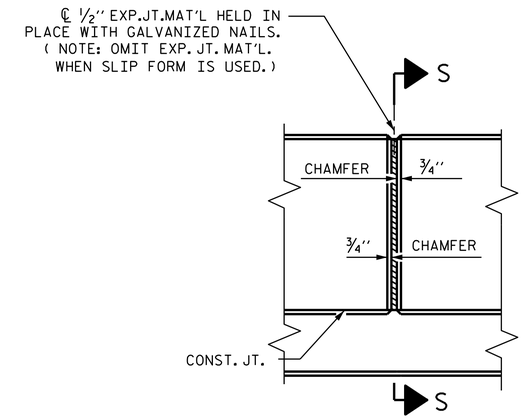
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
✱ B1	96	#5	STR	28'-7"	2,862
✱ B2	32	#5	STR	13'-6"	451
✱ B3	32	#5	STR	15'-3"	509
✱ E1	8	#7	STR	2'-6"	41
✱ E2	8	#7	STR	3'-0"	49
✱ E3	8	#7	STR	3'-6"	57
✱ E4	8	#7	STR	4'-0"	65
✱ E5	8	#7	STR	4'-4"	71
✱ F1	4	#6	STR	1'-10"	11
✱ F2	4	#6	STR	2'-3"	14
✱ F3	4	#6	STR	3'-0"	18
✱ F4	4	#6	STR	3'-9"	23
✱ F5	4	#6	STR	3'-6"	21
✱ F6	4	#6	STR	4'-3"	26
✱ S1	431	#5	1	6'-10"	3,072
✱ S2	32	#5	STR	3'-0"	100
✱ EPOXY COATED REINFORCING STEEL				LBS.	7,390
CLASS AA CONCRETE				CU. YDS.	49.5
1'-2" x 2'-6" CONCRETE PARAPET				LIN. FT.	448.41



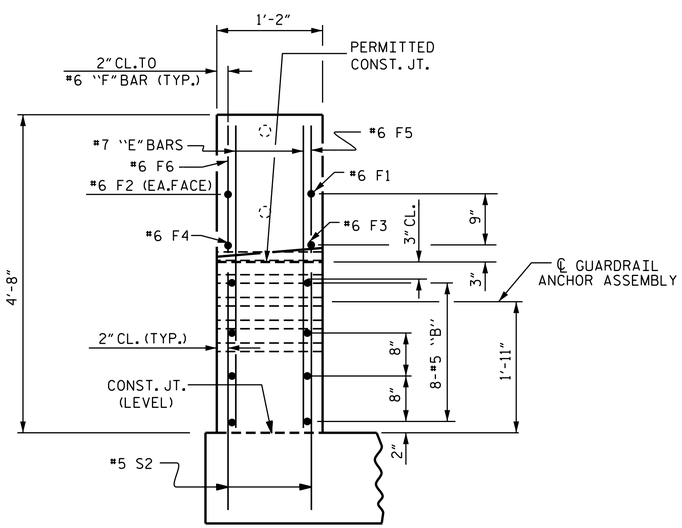
PLAN OF PARAPET



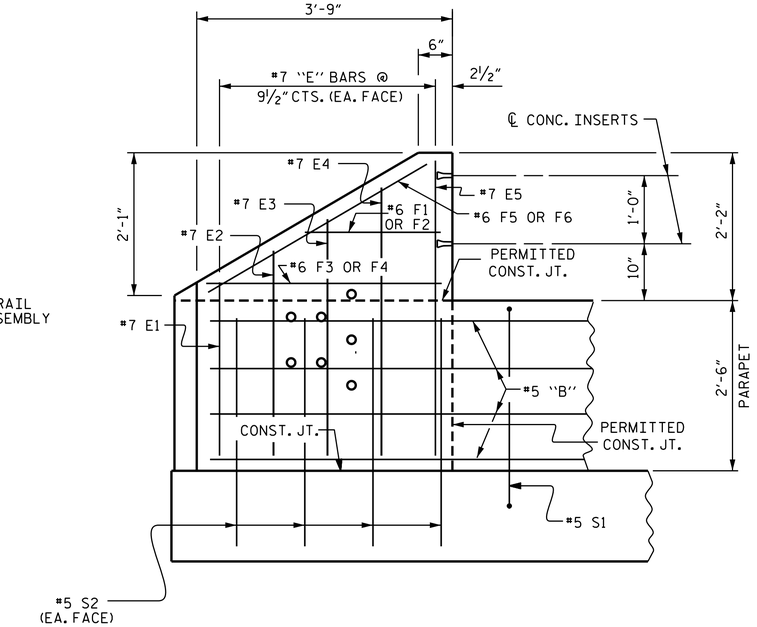
PLAN OF END POST



ELEVATION AT EXPANSION JOINTS

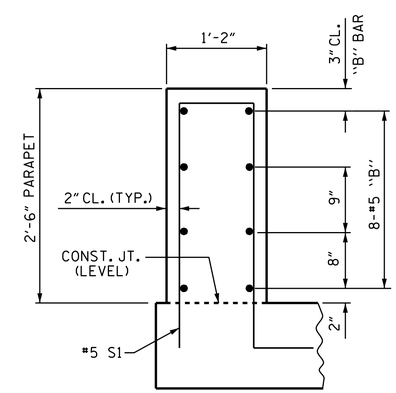


END VIEW



ELEVATION

PARAPET AND END POST FOR TWO BAR RAIL



SECTION THRU PARAPET

PROJECT NO. R-2514B
ONSLOW & JONES COUNTY
STATION: 216+65.63 -L-

SHEET 2 OF 5

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUPERSTRUCTURE
1'-2" x 2'-6"
CONCRETE PARAPET
& END POST DETAILS

NORTH CAROLINA PROFESSIONAL SEAL 14045 ENGINEER TIMOTHY L. COGGINS
DocuSigned by: Tim Coggins
DEFD4A8D48FA47B...
3/26/2015

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S6-019
1			3			TOTAL SHEETS
2			4			37

DRAWN BY : B.N.BARODAWALA DATE : 6-17-13
CHECKED BY : DAVID GLADDEN DATE : 1-29-15

26-MAR-2015 09:41
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STR. #6