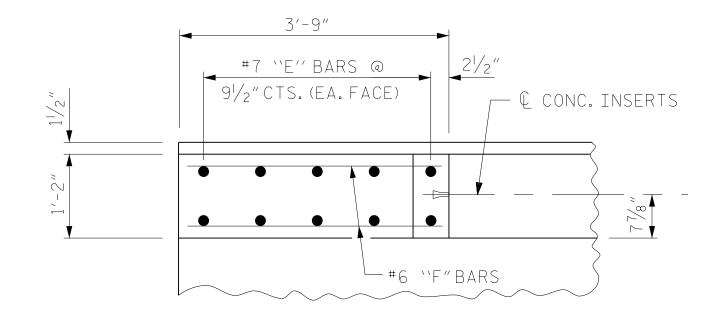


PLAN OF PARAPET



PLAN OF END POST

€ CONC. INSERTS ¬

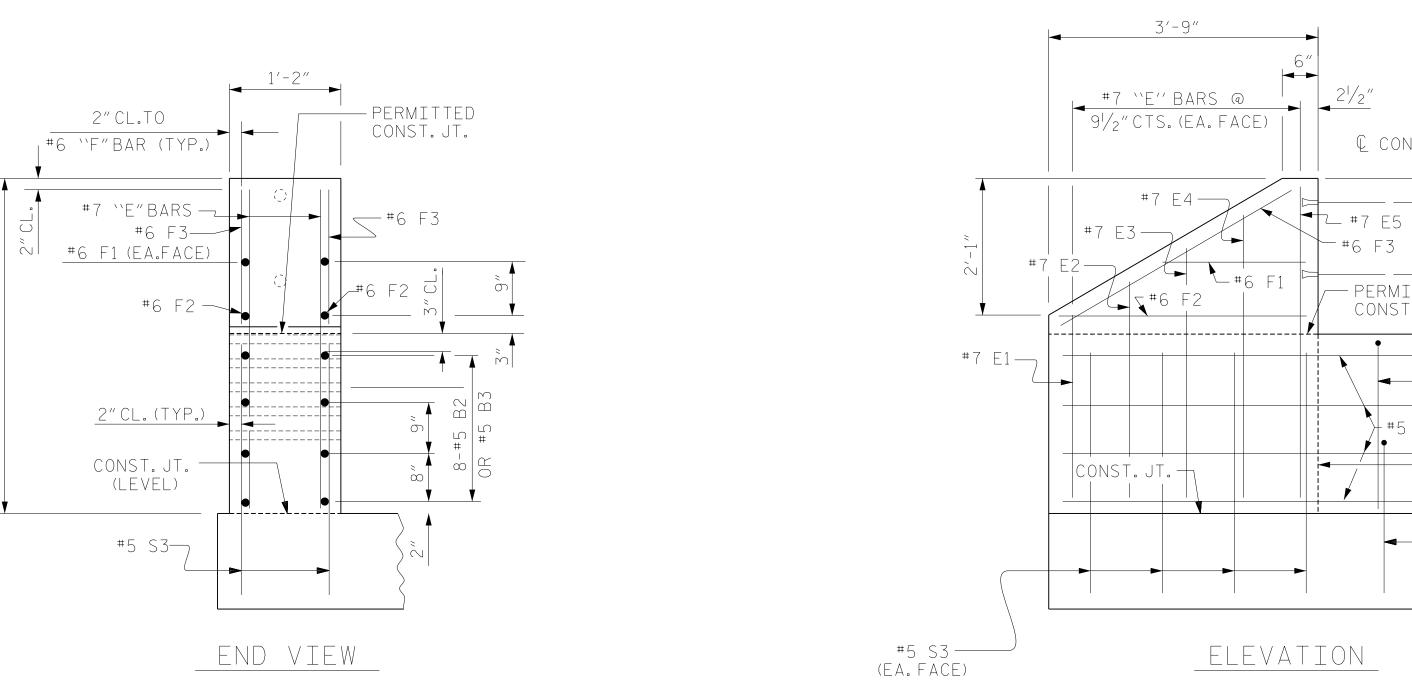
#5 B2 OR #5 B3

r#5 S2

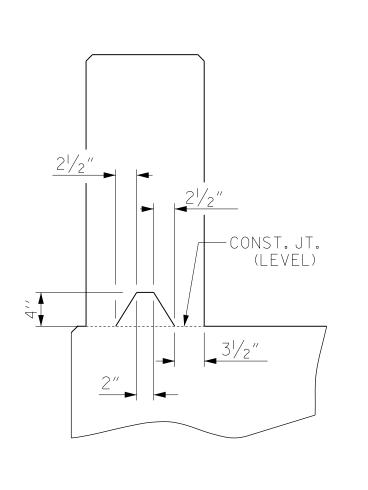
PERMITTED CONST. JT.

— PERMITTED

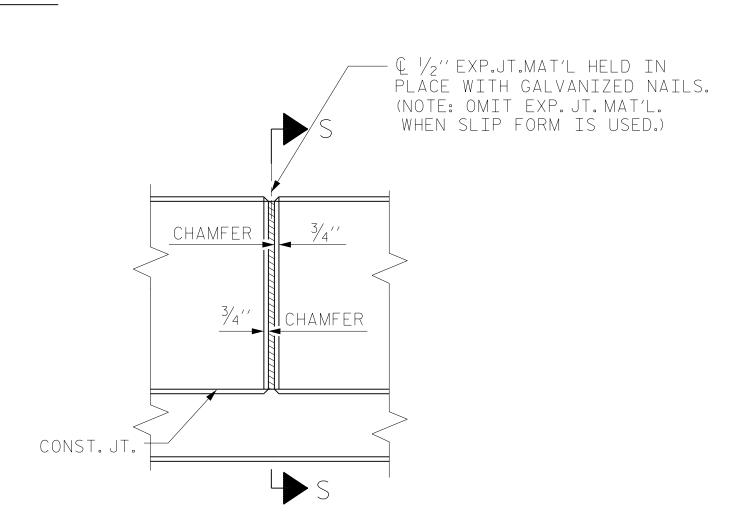
CONST.JT.



END POST DETAILS



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



ELEVATION AT EXPANSION JOINTS

DRAWN BY :	E. JON	ES	DATE : <u>JUNE 21</u>
CHECKED BY :	P. 0'N	DATE : <u>JUNE 21</u>	
DESTGN ENGINEER	OF RECORD:	Z. BROWN	DATE: JUNE 21

1'-11'/2"		1		10				
ALL BAR DIMENSIONS ARE OUT TO OUT								
BILL OF MATERIAL								
FOR T	WO PA	RAPETS	SAND	FOUR END	POSTS			
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT			
* B1	80	#5	STR	29'-7"	2,468			
<u>+ B2</u> + B3	16 16	#5 #5	STR STR	28'-9" 18'-9"	480 313			
n DJ	10	J	J 11\	10 J	J1J			
* E1	8	#7	STR	2'-6"	40			
¥ E2	8	#7	STR	3'-0"	50			
¥ E3	8	#7	STR	3′-6″	58			
* E4	8	#7	STR	4'-0"	66			
* E5	8	#7	STR	4'-4"	70			
* F1	8	#6	STR	1'-11"	23			
+ F2	8	#6	STR	3'-2"	38			
* F3	8	#6	STR	3'-8"	44			
· · · · ·			= ' ' '		<u> </u>			
* S1	384	#5	1	5′-5″	2,169			
* S2	384	#5	2	5′-6″	2,203			
* S3	32	#5	STR	3'-0"	100			
* EPOXY COATED REINFORCING STEEL 8,122 LBS. CLASS AA CONCRETE 43.4 CU. YDS.								
1'-2" x 2'-6" CONCRETE PARAPET 396.67 LIN. FT.								
CONCRE	IE PAR	KAPE I		396.67 L	_ <u> </u>			

BAR TYPES

NOTES:

ALL REINFORCING STEEL IN PARAPETS AND END POSTS SHALL BE EPOXY COATED.

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

THE #5 S3 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.

B-5318 PROJECT NO. WAKE COUNTY 19+73.00 -L-STATION:_

SHEET 2 OF 2

Dewberry 2610 WYCLIFF ROAD SUITE 410 RALEIGH, NC 27607 PHONE: 919.881.9939 NC COA No. F-0929



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH SUPERSTRUCTURE CONCRETE PARAPET FOR 2 BAR METAL RAIL

	SHEET NO.					
NO.	BY:	DATE:	NO.	BY:	DATE:	S-21
1			3			TOTAL SHEETS
2			4			41