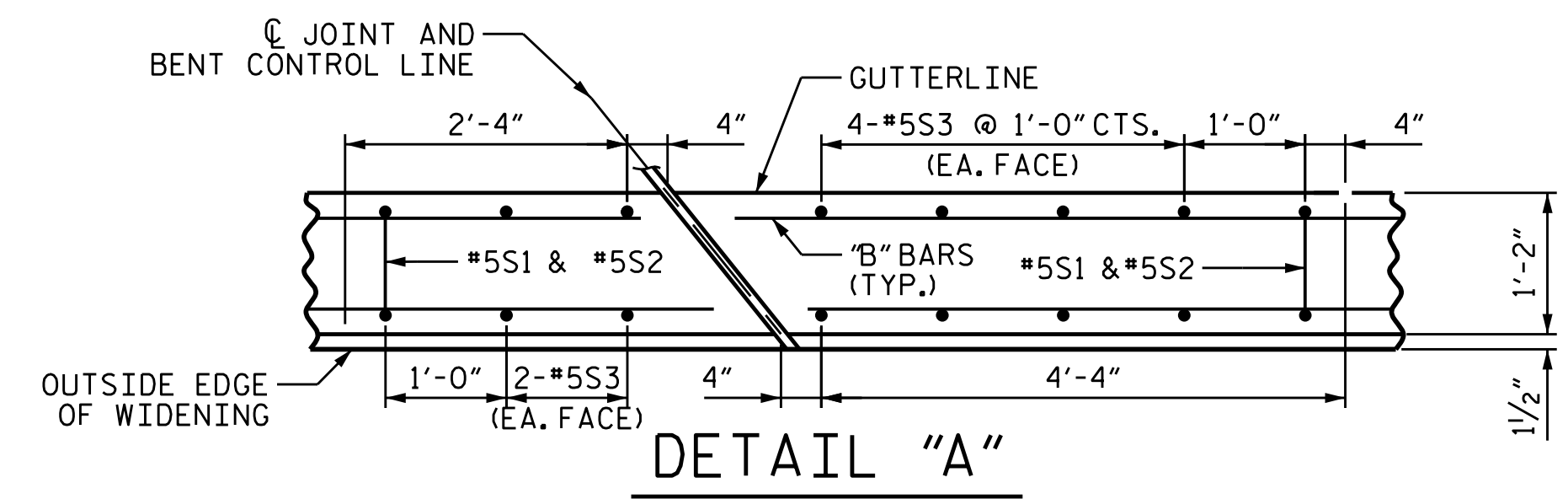
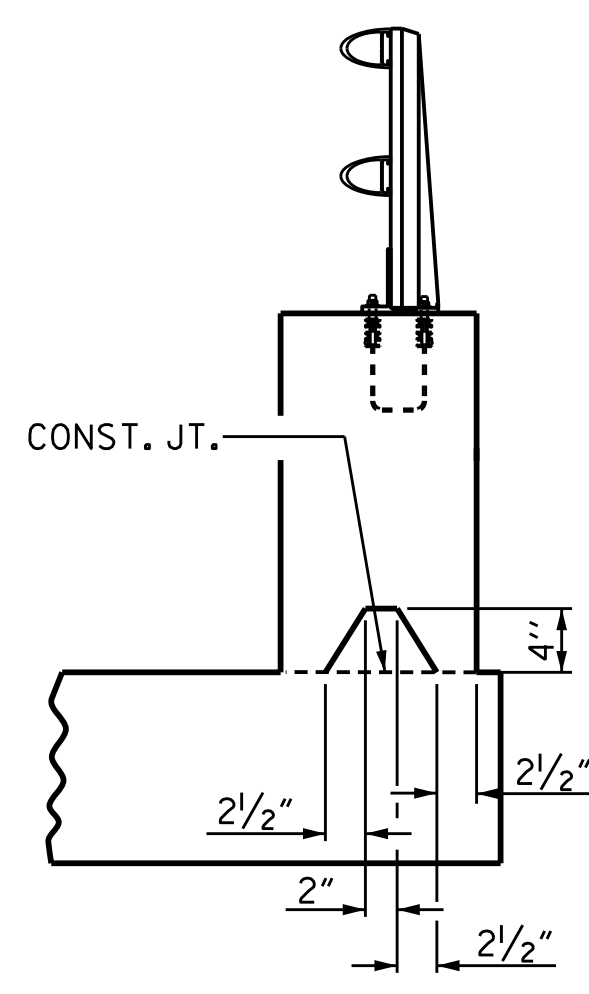


PLAN



DETAIL "A"

MIN. LAP SPLICE LENGTH FOR #5 "B" BARS = 3'-1"



SECTION S-S

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

NOTES

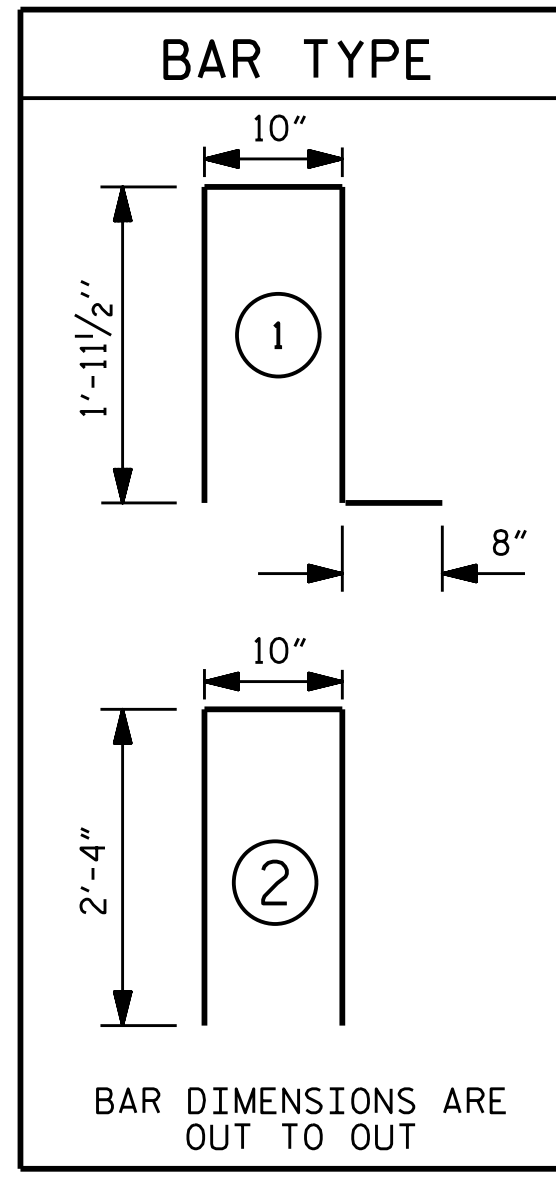
PARAPET IN EACH SPAN OR APPROACH SLAB SHALL NOT BE CAST UNTIL ALL SLAB CONCRETE IN THE SPAN/SLAB HAS BEEN CAST AND HAS REACHED A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI.

WHEN FOAM JOINT SEAL IS REQUIRED, THE JOINT IN THE DECK SHALL BE SAWED PRIOR TO CASTING OF THE CONCRETE PARAPET.

ALL REINFORCING STEEL IN PARAPET SHALL BE EPOXY COATED.

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.

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.

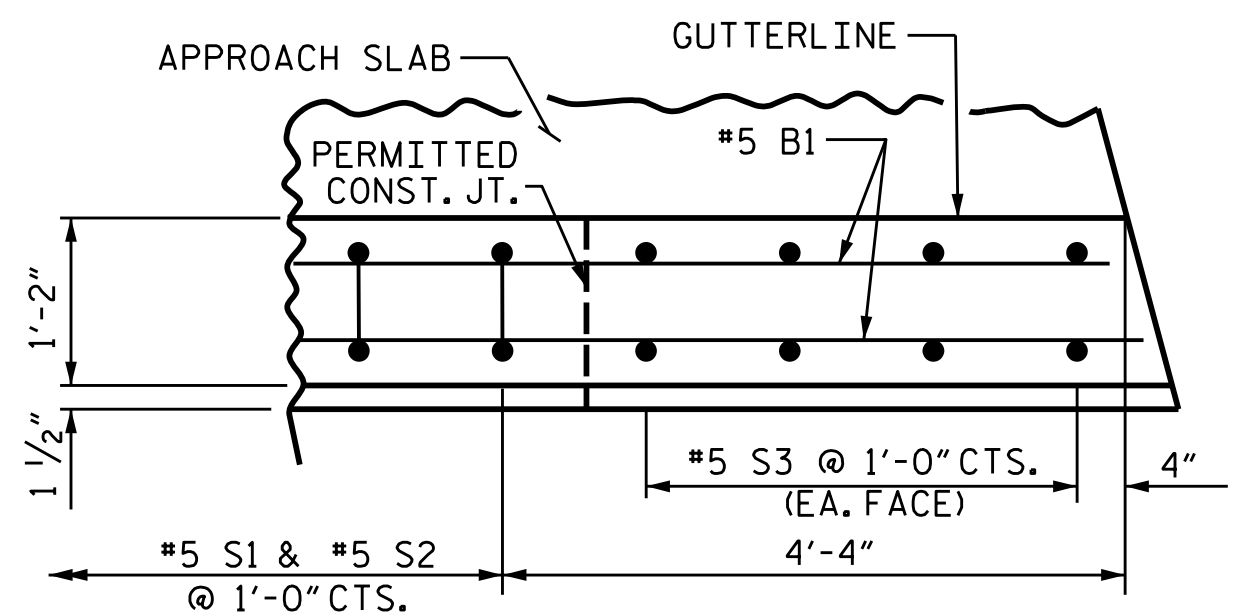


BAR TYPE

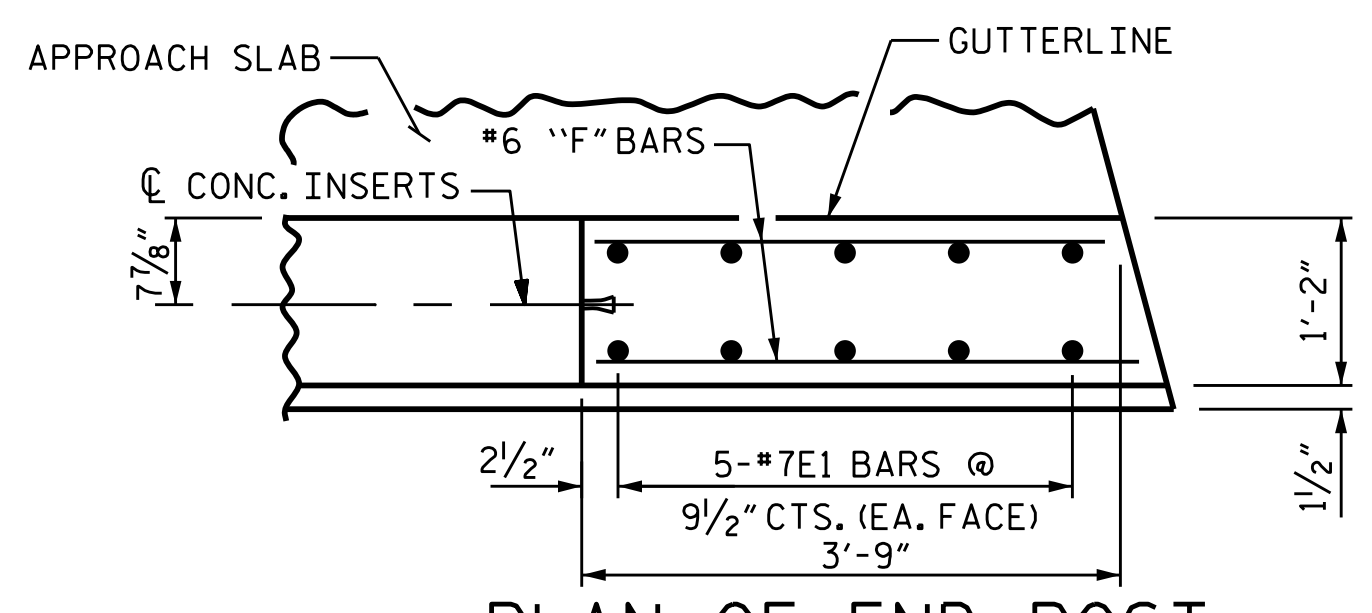
BILL OF MATERIAL FOR PARAPET AND TWO END POSTS

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT (LBS)
* B1	16	#5	STR	14'-8"	245
* B2	32	#5	STR	10'-10"	362
* B3	96	#5	STR	15'-6"	1552
* B4	32	#5	STR	11'-9"	392
* E1	20	#7	STR	4'-4"	177
* F1	6	#6	STR	3'-5"	31
* F2	6	#6	STR	4'-1"	37
* S1	228	#5	1	5'-5"	1288
* S2	228	#5	2	5'-6"	1308
* S3	76	#5	STR	3'-0"	238

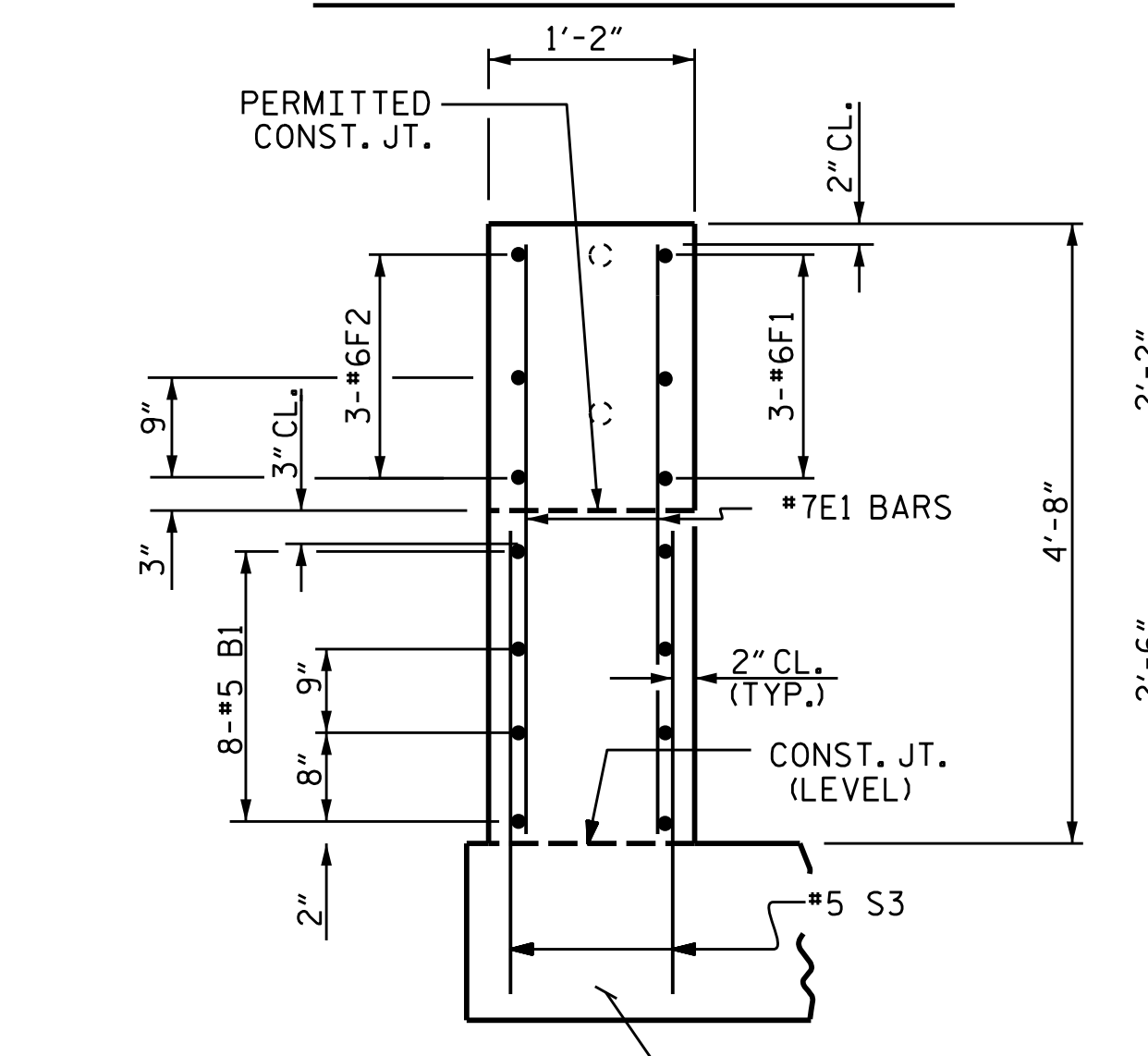
* EPOXY COATED REINF. STEEL 5,630 LBS.
 CLASS AA CONCRETE 29.5 CU. YDS.
 1'-2" X 2'-6" CONCRETE PARAPET 265.6 LIN. FT.



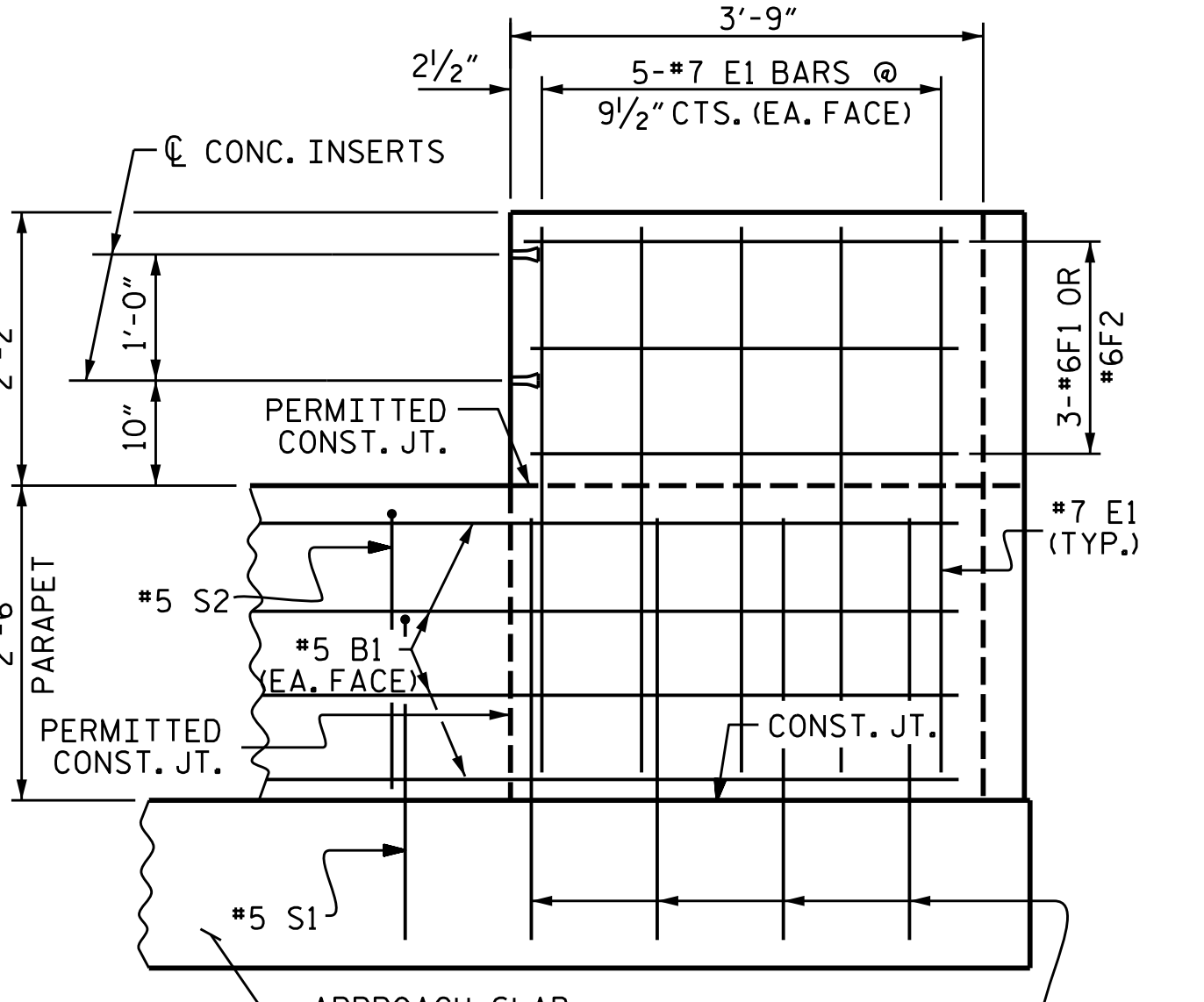
PLAN OF PARAPET



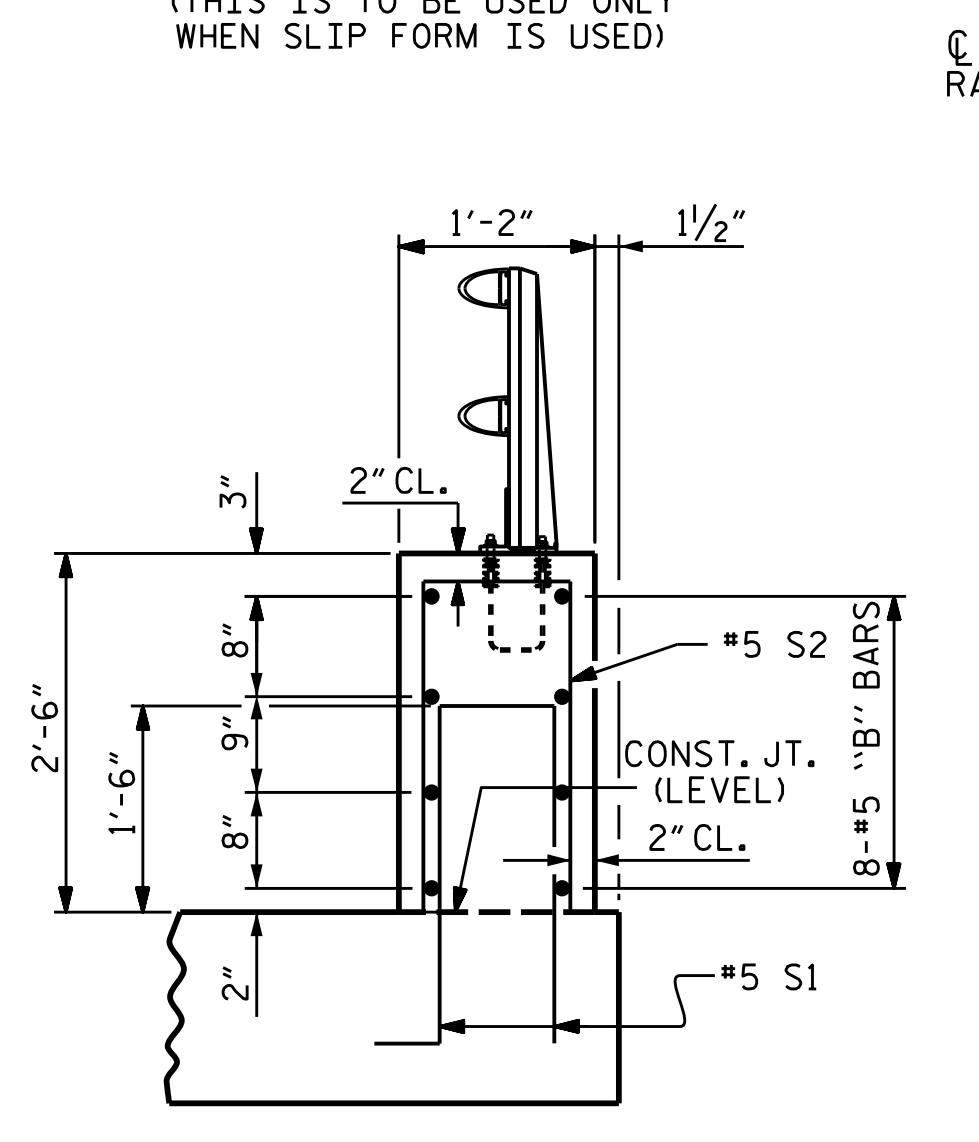
PLAN OF END POST



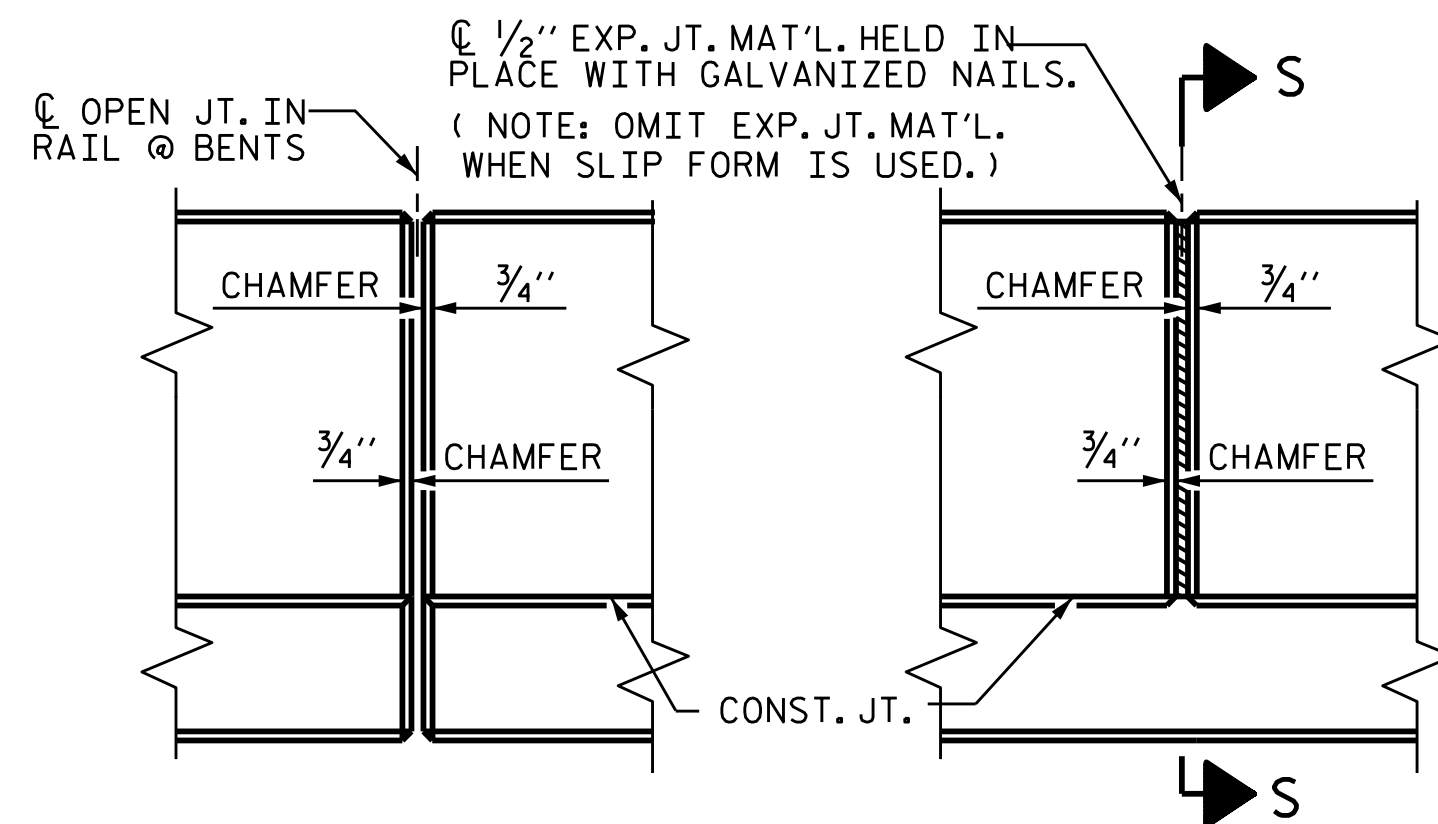
END VIEW



ELEVATION



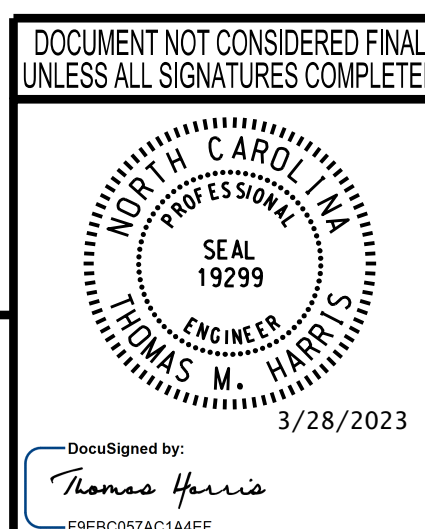
SECTION THRU PARAPET



ELEVATION AT EXPANSION JOINTS
PARAPET DETAILS

PROJECT NO. U-4424
 EDGEcombe COUNTY
 STATION: 66+24.84 -L-

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 SUPERSTRUCTURE
 CONCRETE PARAPET



REVISIONS				SHEET NO.	
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		

TOTAL SHEETS 37

wsp
 WSP USA Inc.
 434 FAYETTEVILLE STREET
 SUITE 1500
 RALEIGH, NC 27601
 TEL: 1.919.836.4040
 LICENSE NO. P-0165

3/28/2023
 J:\188771-06 NCDOT NC 111U-4424\Structures\Drawings\Drawings\401.047_U4424_SML_2MR4_023.dgn

DESIGNED BY: J. WHEATLEY DATE: MAR 2023
 DRAWN BY: J. WHEATLEY DATE: MAR 2023
 CHECKED BY: T. KIRSCHBAUM DATE: MAR 2023
 DESIGN ENGINEER OF RECORD: T. HARRIS DATE: MAR 2023