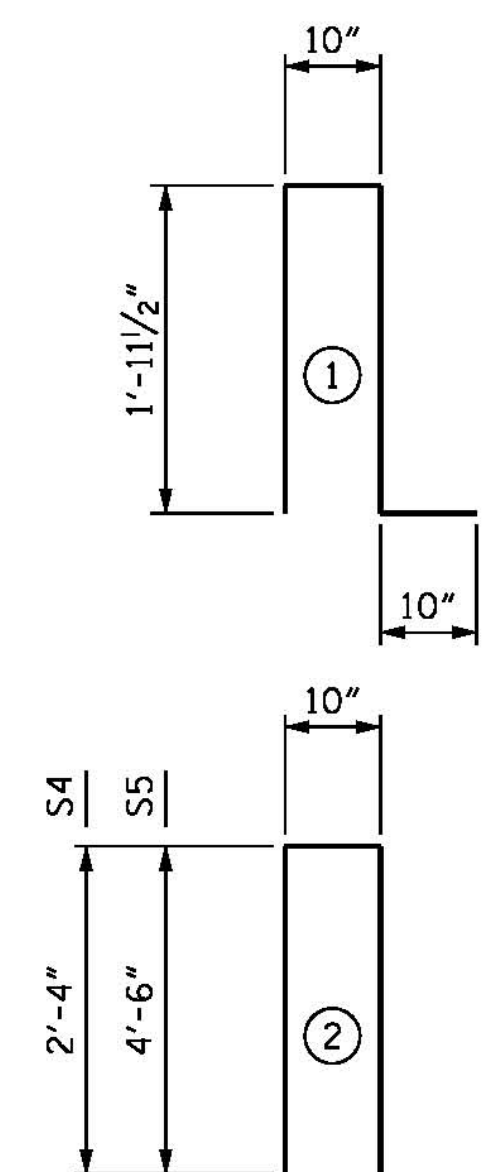


NOTES

ALL REINFORCING STEEL IN CONCRETE PARAPET AND END POST FOR TWO BAR METAL RAIL SHALL BE EPOXY COATED.

FOR PARAPET LAYOUT, SEE "VERTICAL CONCRETE BARRIER RAIL, PARAPET AND RAIL POST LAYOUT" SHEETS.

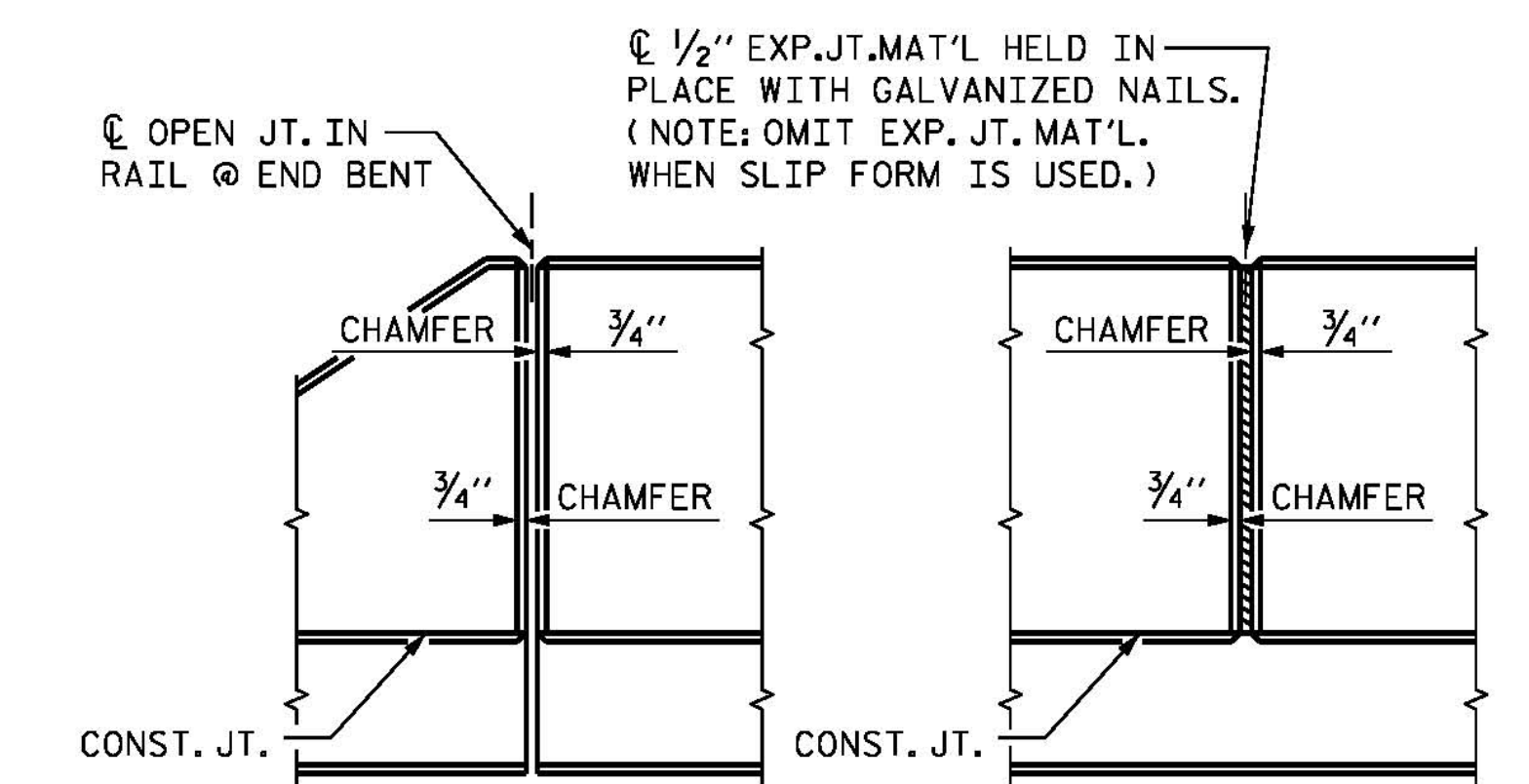
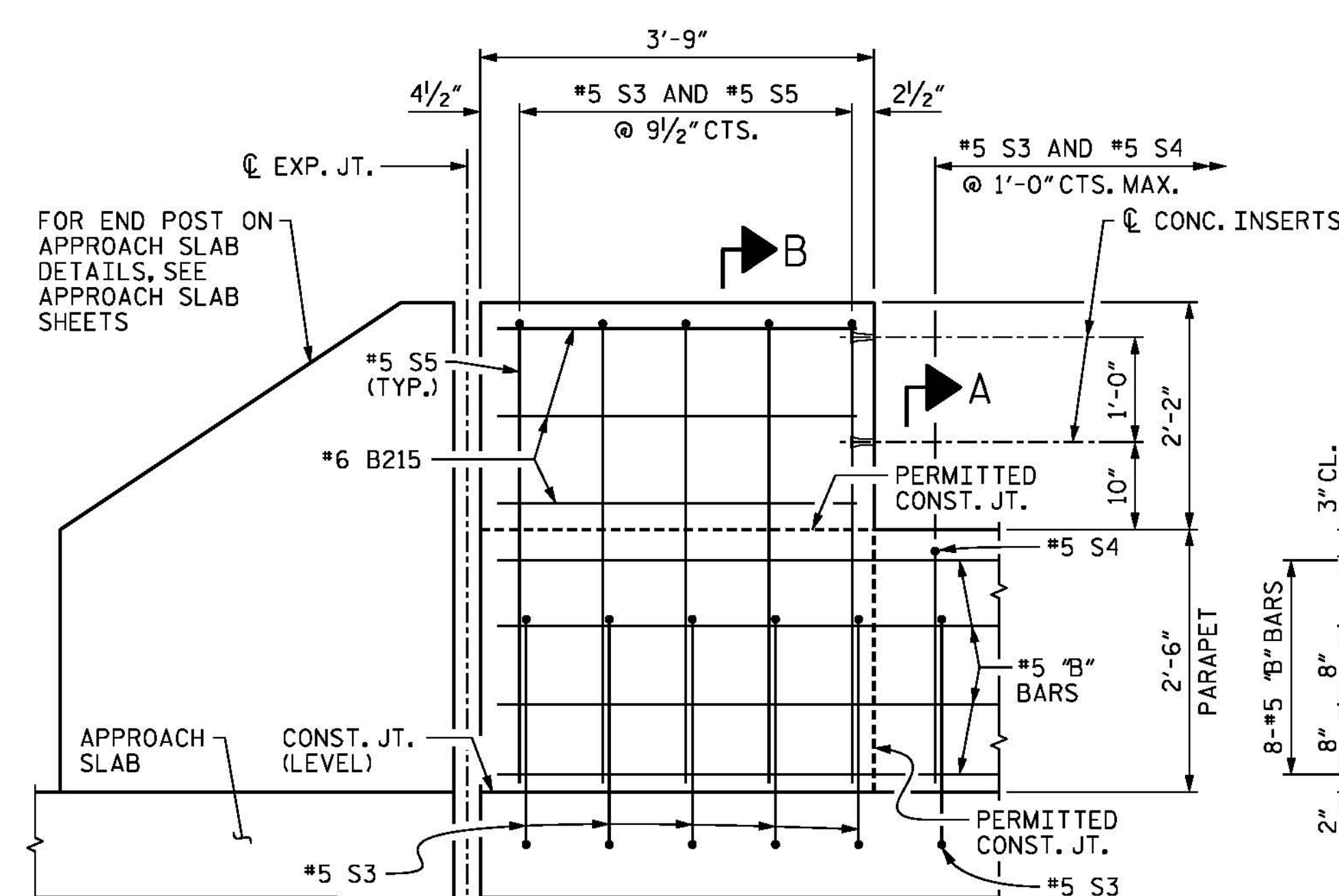
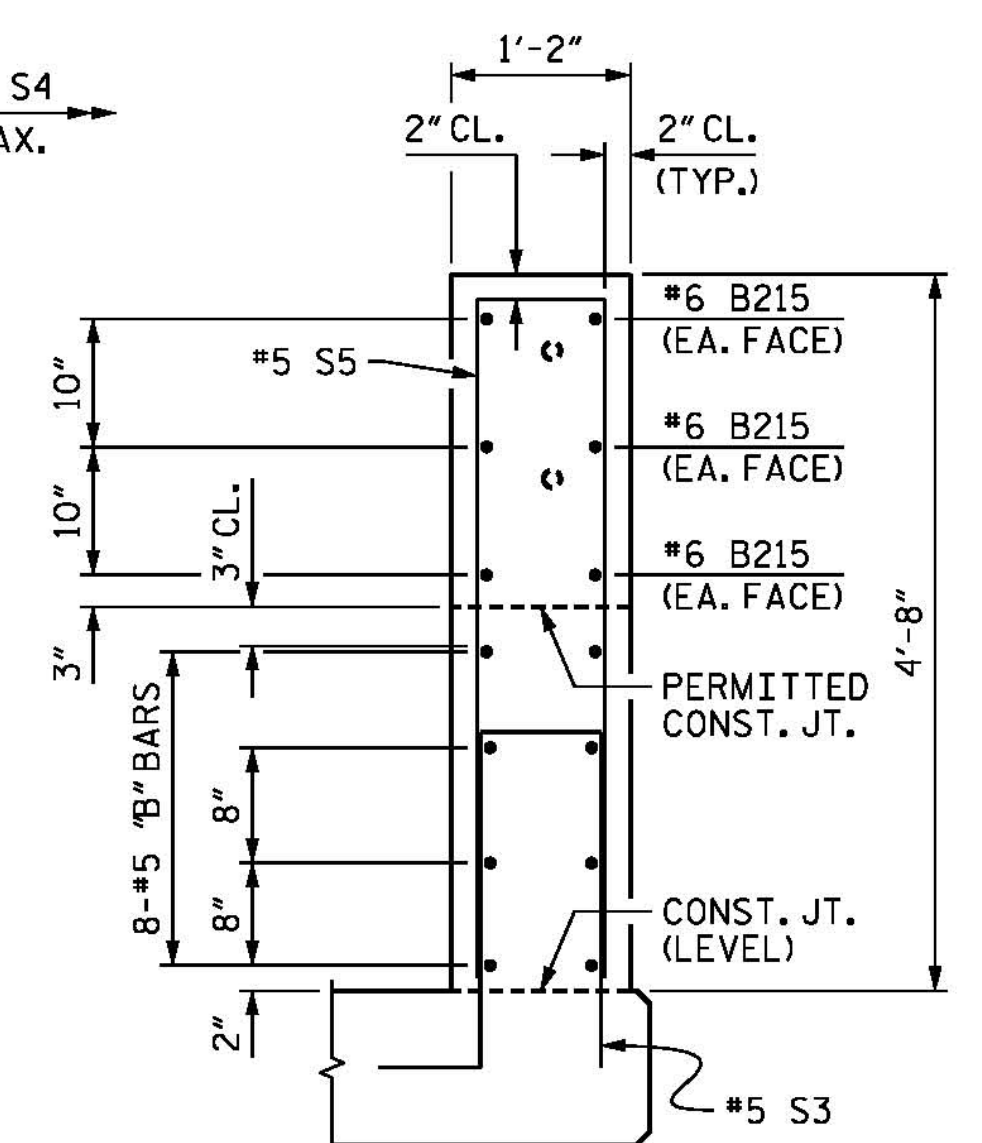
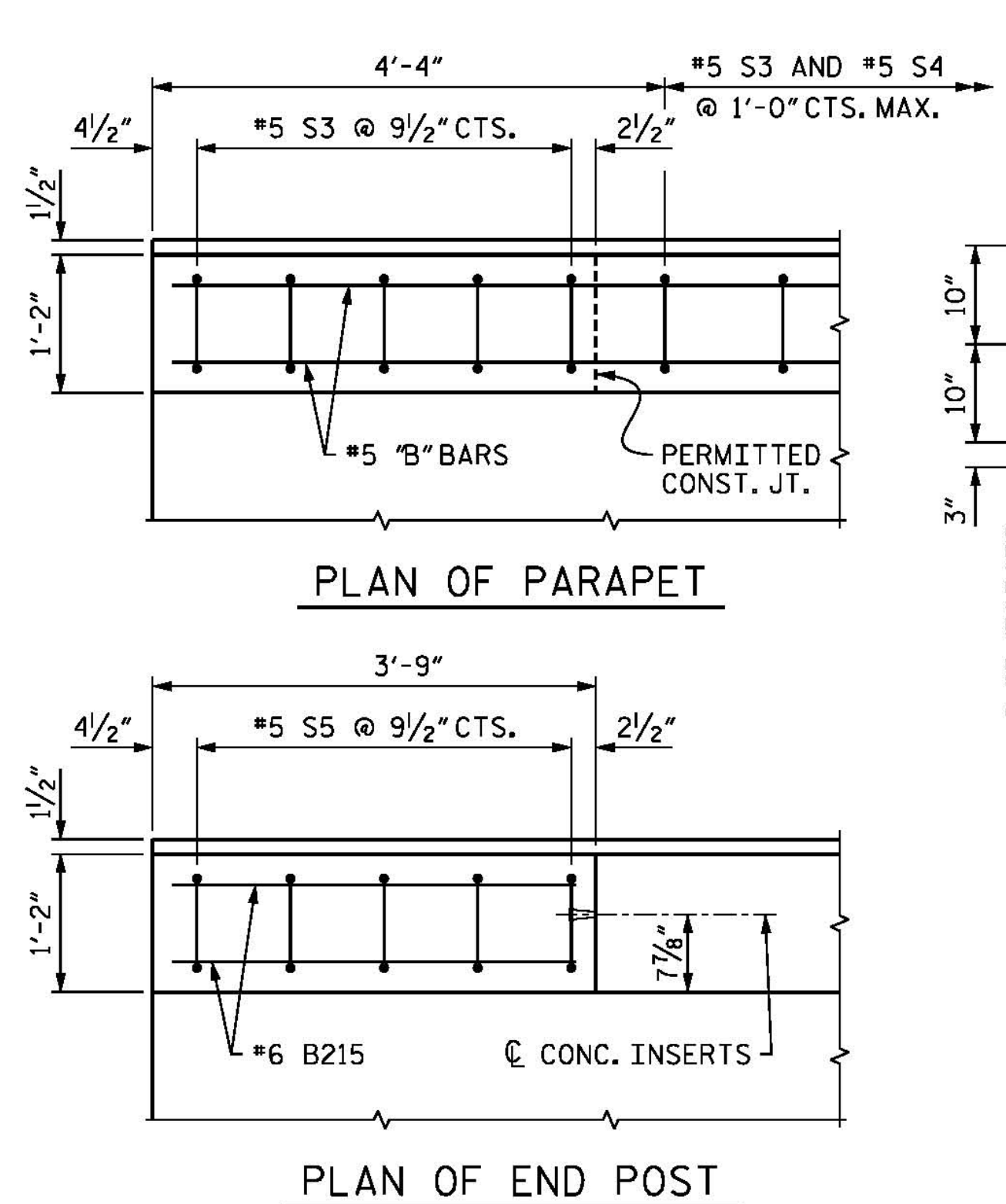
BAR TYPES



BILL OF MATERIAL

FOR CONCRETE BARRIER RAIL ONLY						
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	
B201	952	#5	STR	27'-9"	27554	
B202	16	#5	STR	14'-0"	234	
B203	16	#5	STR	28'-4"	473	
B204	16	#5	STR	29'-2"	487	
B205	8	#5	STR	15'-1"	126	
B206	8	#5	STR	15'-4"	128	
B207	32	#5	STR	16'-7"	553	
B208	8	#5	STR	17'-1"	143	
B209	8	#5	STR	16'-2"	135	
B210	8	#5	STR	24'-10"	207	
B211	8	#5	STR	25'-1"	209	
B212	16	#5	STR	28'-5"	474	
B213	8	#5	STR	28'-7"	238	
B214	8	#5	STR	27'-7"	230	
B215	12	#6	STR	3'-5"	62	
S3	3804	#5		5'-7"	22152	
S4	3794	#5		5'-6"	21764	
S5	10	#5		9'-10"	103	
* EPOXY COATED REINFORCING STEEL LBS. 75,272						
CLASS AA CONCRETE C.Y. 412.1						
1'-2" x 2'-6" CONCRETE PARAPET SUPERSTRUCTURE L.F. 3796.56						

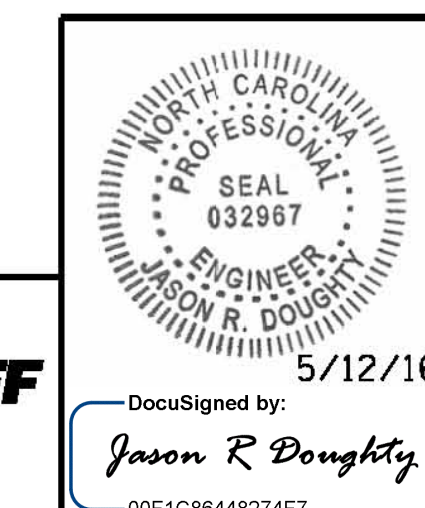
ALL BAR DIMENSIONS ARE OUT TO OUT



ELEVATION AT EXPANSION JOINTS
PARAPET DETAILS

PARAPET AND END POST FOR TWO BAR RAIL

PROJECT NO. B-4929
PENDER COUNTY
 STATION: 38+13.81 -L2-
 SHEET 4 OF 4



PARSONS BRINCKERHOFF
 434 FAYETTEVILLE STREET
 SUITE 1500
 RALEIGH, NC 27601
 LICENSE NO. F-0165

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

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

DESIGNED BY: J. SMITH DATE: JAN 2016
 DRAWN BY: K. WHITE DATE: JAN 2016
 CHECKED BY: E. DAVIS DATE: FEB 2016
 DESIGN ENGINEER OF RECORD: J. DOUGHTY DATE: MAY 2016

DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED

SHEET NO.
S-112
 TOTAL SHEETS
 278

5/10/2016
 400_221_B4929_SMU_2BMR4.dgn