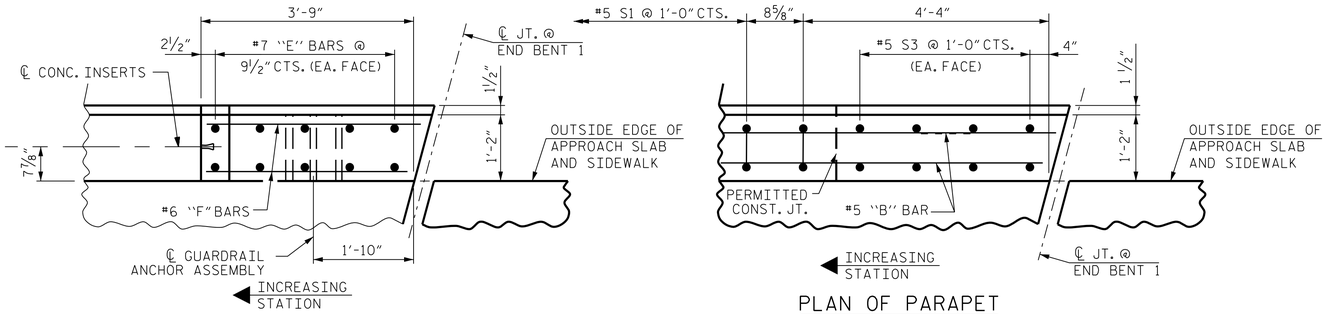
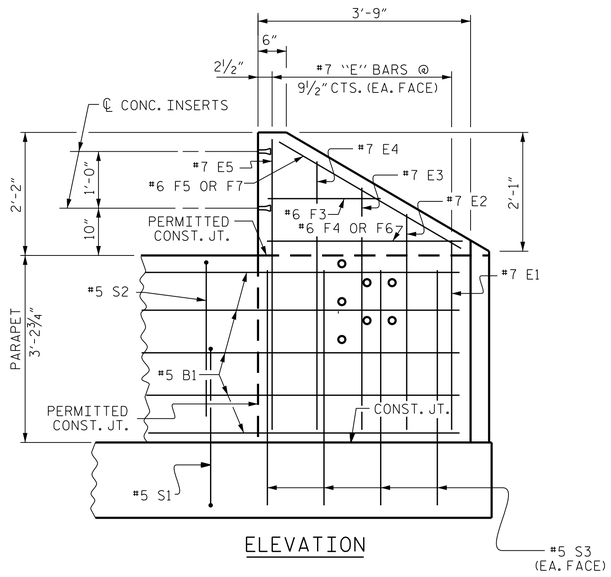
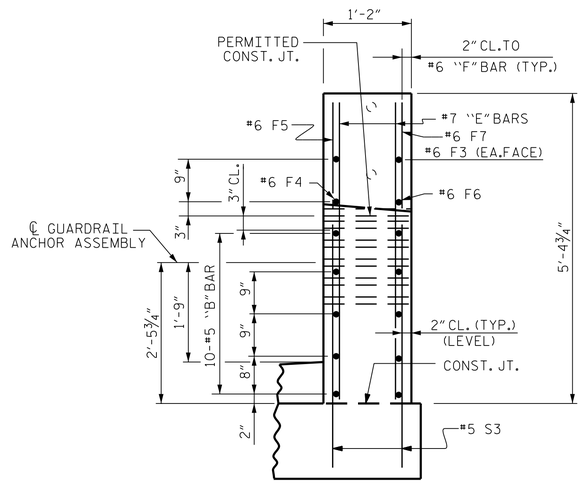


PLAN OF END POST

PLAN OF PARAPET



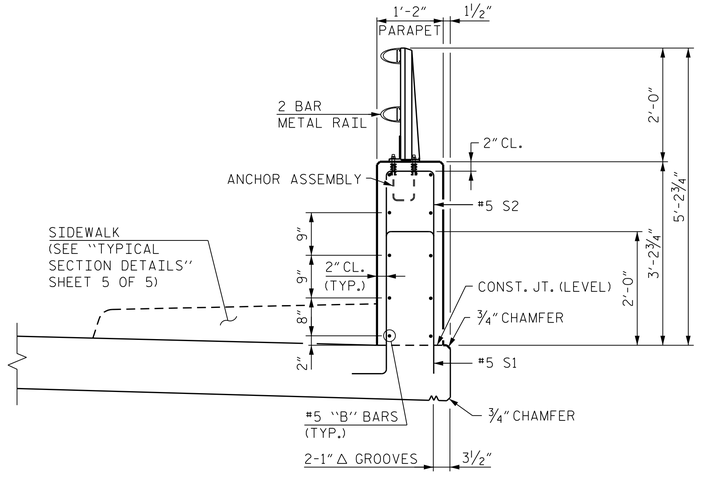
ELEVATION



END VIEW

PARAPET AND END POST FOR TWO BAR RAIL

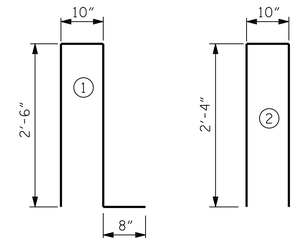
(RIGHT SIDE STAGE 1)



SECTION THROUGH PARAPET

(RIGHT SIDE STAGE 1)

BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT.

BILL OF MATERIAL STAGE 1

FOR CONCRETE PARAPET & 2 END POST

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
✳B1	20	5	STR.	26'-9"	558
✳B2	40	5	STR.	26'-5"	1102
✳B3	10	5	STR.	27'-4"	285
✳B4	10	5	STR.	27'-11"	291
✳E1	4	7	STR.	3'-0"	25
✳E2	4	7	STR.	3'-6"	29
✳E3	4	7	STR.	4'-0"	33
✳E4	4	7	STR.	4'-6"	37
✳E5	4	7	STR.	5'-0"	41
✳F3	4	6	STR.	1'-9"	11
✳F4	2	6	STR.	2'-11"	9
✳F5	2	6	STR.	3'-3"	10
✳F6	2	6	STR.	3'-5"	10
✳F7	2	6	STR.	3'-9"	11
✳S1	210	5	1	6'-6"	1,424
✳S2	210	5	2	5'-6"	1,205
✳S3	16	5	STR	3'-6"	58

✳EPOXY COATED REINFORCING STEEL	5,139 LBS.
CLASS "AA" CONCRETE (PARAPET)	30.5 CY
1'-2"x 3'-2¾" CONCRETE PARAPET	218.24 LIN. FT.

PROJECT NO. I-5972

JOHNSTON COUNTY

STATION: 36+93.50 -Y1-

SHEET 2 OF 3

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUPERSTRUCTURE
CONCRETE PARAPET AND END POST DETAILS AND BILL OF MATERIAL RIGHT SIDE - STAGE 1

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NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 15825 BRUCE D. KLAPPENBACH
10/4/2021

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-22
1			3			TOTAL SHEETS
2			4			54

DRAWN BY : B. A. HAAG DATE : JUN 2021
CHECKED BY : B. D. KLAPPENBACH DATE : JUN 2021
DESIGN ENGINEER OF RECORD : B. D. KLAPPENBACH DATE : JUN 2021

bhaag
10/4/2021 R:\Structures\DGN\BR_500066\Final\I5972_SMU_CP2_500066.dgn