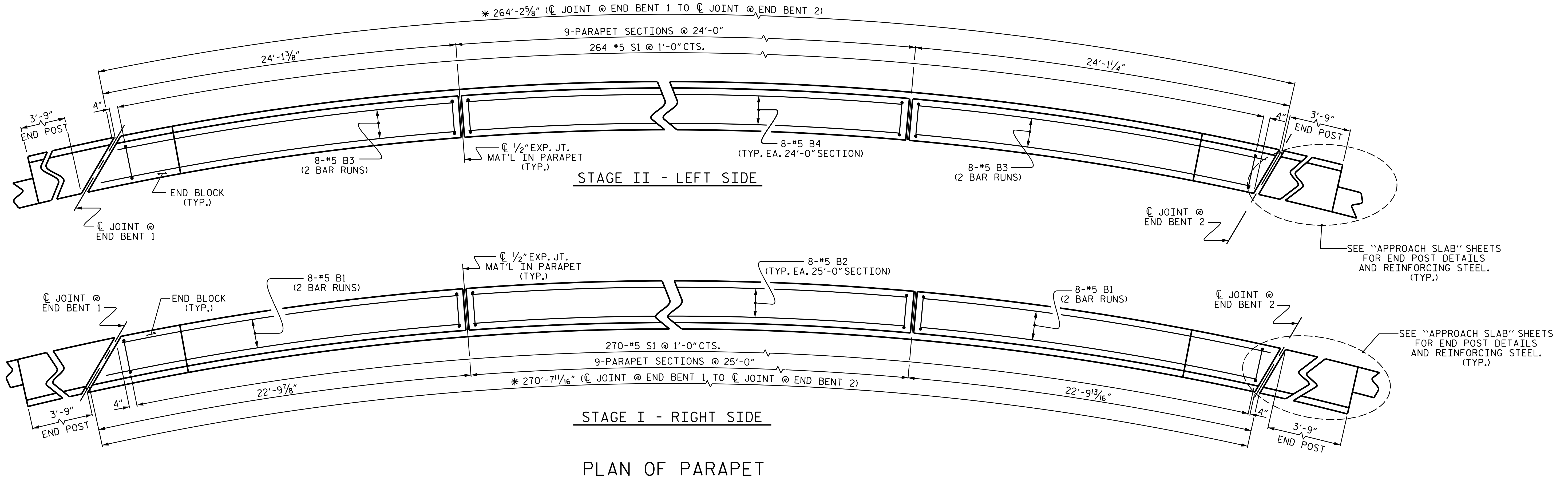


SECTION THRU PARAPET

TOTAL QUANTITIES	
STAGE I CONCRETE PARAPET	278.67 L.F.
STAGE II CONCRETE PARAPET	272.49 L.F.
TOTAL 1'-2" x 2'-6" CONCRETE PARAPET	551.16 L.F.

BAR TYPE	BILL OF MATERIAL													
	STAGE I CONCRETE PARAPET					STAGE II CONCRETE PARAPET								
	BAR	No.	SIZE	TYPE	LENGTH	WEIGHT	BAR	No.	SIZE	TYPE	LENGTH	WEIGHT		
<p>BAR DIMENSIONS ARE OUT TO OUT</p>	* B1	32	#5	STR.	13'-2"	439	* B3	32	#5	STR.	13'-11"	464		
	* B2	72	#5	STR.	24'-7"	1846	* B4	72	#5	STR.	23'-7"	1771		
	* S1	270	#5	1	7'-0"	1971	* S1	264	#5	1	7'-0"	1927		
	* E1	22	#7	STR.	4'-3"	191	* E1	22	#7	STR.	4'-3"	191		
	* F1	3	#6	STR.	4'-1"	18	* F1	3	#6	STR.	4'-1"	18		
	* F2	6	#6	STR.	3'-5"	31	* F2	6	#6	STR.	3'-5"	31		
	* F3	3	#6	STR.	3'-10"	17	* F3	3	#6	STR.	3'-10"	17		
	* EPOXY COATED REINFORCING STEEL						4,513 LBS.	* EPOXY COATED REINFORCING STEEL						4,419 LBS.
	CLASS AA CONCRETE						30.1 C.Y.	CLASS AA CONCRETE						29.4 C.Y.
	1'-2" X 2'-6" CONCRETE PARAPET						278.67 L.F.	1'-2" X 2'-6" CONCRETE PARAPET						272.49 L.F.



* DIMENSIONS ARE TAKEN ALONG THE OUTSIDE FACE OF THE PARAPET

PROJECT NO. R-2566BA
WATAUGA COUNTY
 STATION: 164+30.00 -L-

NOTES

THE PARAPET IN THE 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 PARAPET SHALL BE EPOXY COATED.

THE #5 S1 BARS MAY BE SHIFTED SLIGHTLY IN ORDER TO MAINTAIN A 2" MINIMUM CLEARANCE TO THE 1/2" EXPANSION JOINT MATERIAL IN PARAPET.

FOR DETAILS OF CONCRETE INSERTS IN END BLOCK, SEE "RAIL POST SPACINGS AND END OF RAIL DETAILS" SHEET.

FOR DETAILS OF GUARDRAIL ANCHOR ASSEMBLIES, SEE "GUARDRAIL ANCHORAGE DETAILS FOR METAL RAILS" SHEET.

GROOVED CONTRACTION JOINTS, 1/2" IN DEPTH, SHALL BE TOOLED IN ALL EXPOSED FACES OF THE PARAPET IN ACCORDANCE WITH ARTICLE 825-10(B) OF THE STANDARD SPECIFICATIONS. THE CONTRACTION JOINT SHALL BE LOCATED AT A SPACING OF 8 FT. TO 10 FT. BETWEEN EXPANSION JOINTS. NO CONTRACTION JOINTS WILL BE REQUIRED FOR SEGMENTS LESS THAN 10 FEET IN LENGTH.

PAYMENT FOR THE END POST ON THE APPROACH SLABS SHALL BE PAID FOR UNDER PRICE BID FOR LINEAR FEET OF CONCRETE PARAPET. REINFORCING STEEL AND CONCRETE QUANTITIES ARE INCLUDED WITH THE APPROACH SLAB BILL OF MATERIAL.

DRAWN BY :	S. B. WILLIAMS	DATE :	01/19
CHECKED BY :	MGC	DATE :	06/19
DESIGN ENGINEER OF RECORD:	MGC	DATE :	7-21

8/27/2021
 X:\NCDOT\R-2566BA\Structures\Final plans\DCN files\401.085.R2566BA.SMU. PARA1.542.940005.dgn
 Users\sbwilliams

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

PROFESSIONAL ENGINEER
 SEAL 20125
 Marshall G. Check, Jr.
 8/30/2021 1:43 PM EDT

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

TGS ENGINEERS
 706 HILLSBOROUGH STREET
 SUITE 200
 RALEIGH, NC 27603
 PH (919) 773-8887
 CORP. LICENSE NO.: C-0275

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

SUPERSTRUCTURE
 1'-2" X 2'-6" CONCRETE PARAPET

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-42
1			3			TOTAL SHEETS
2			4			79