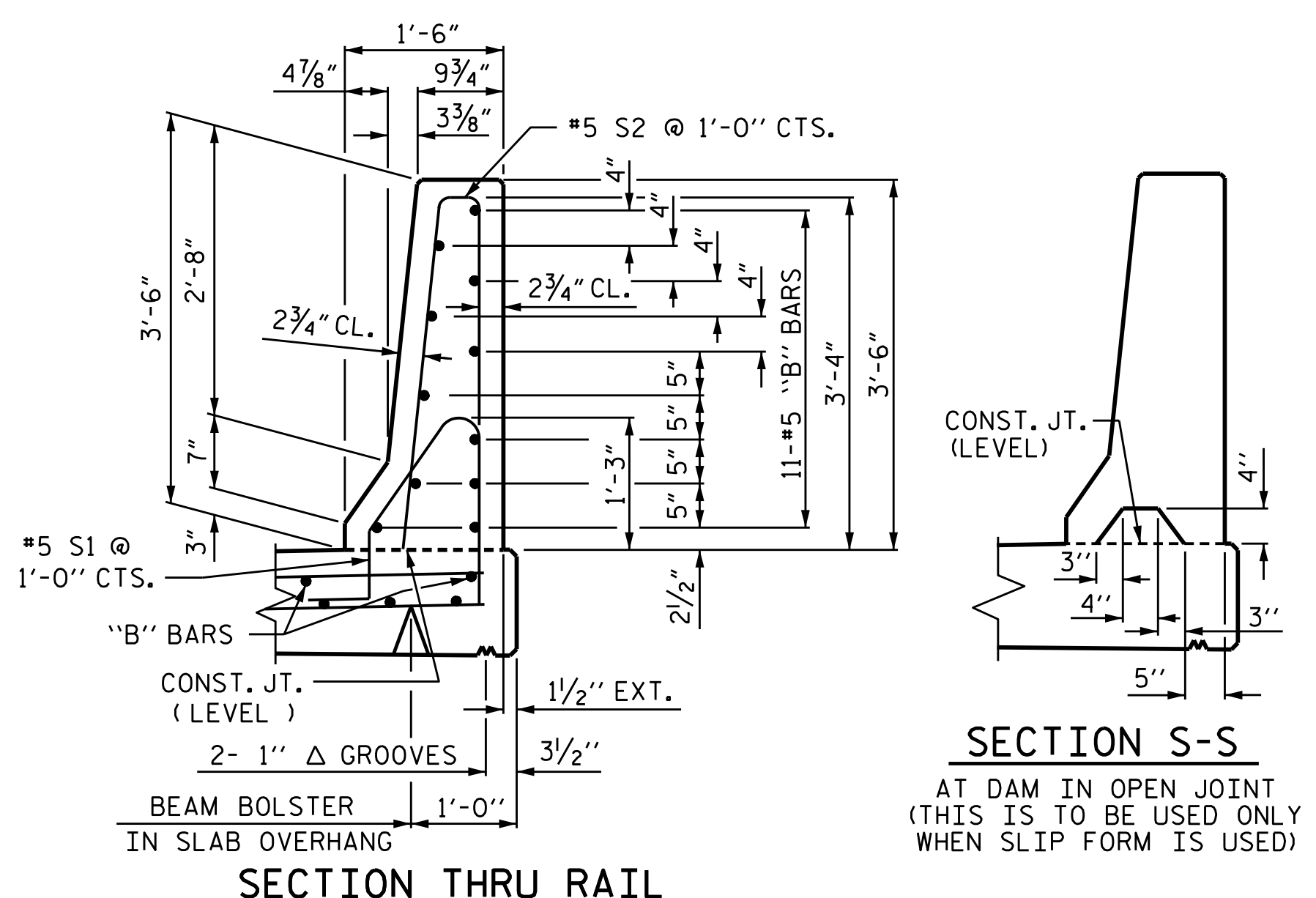
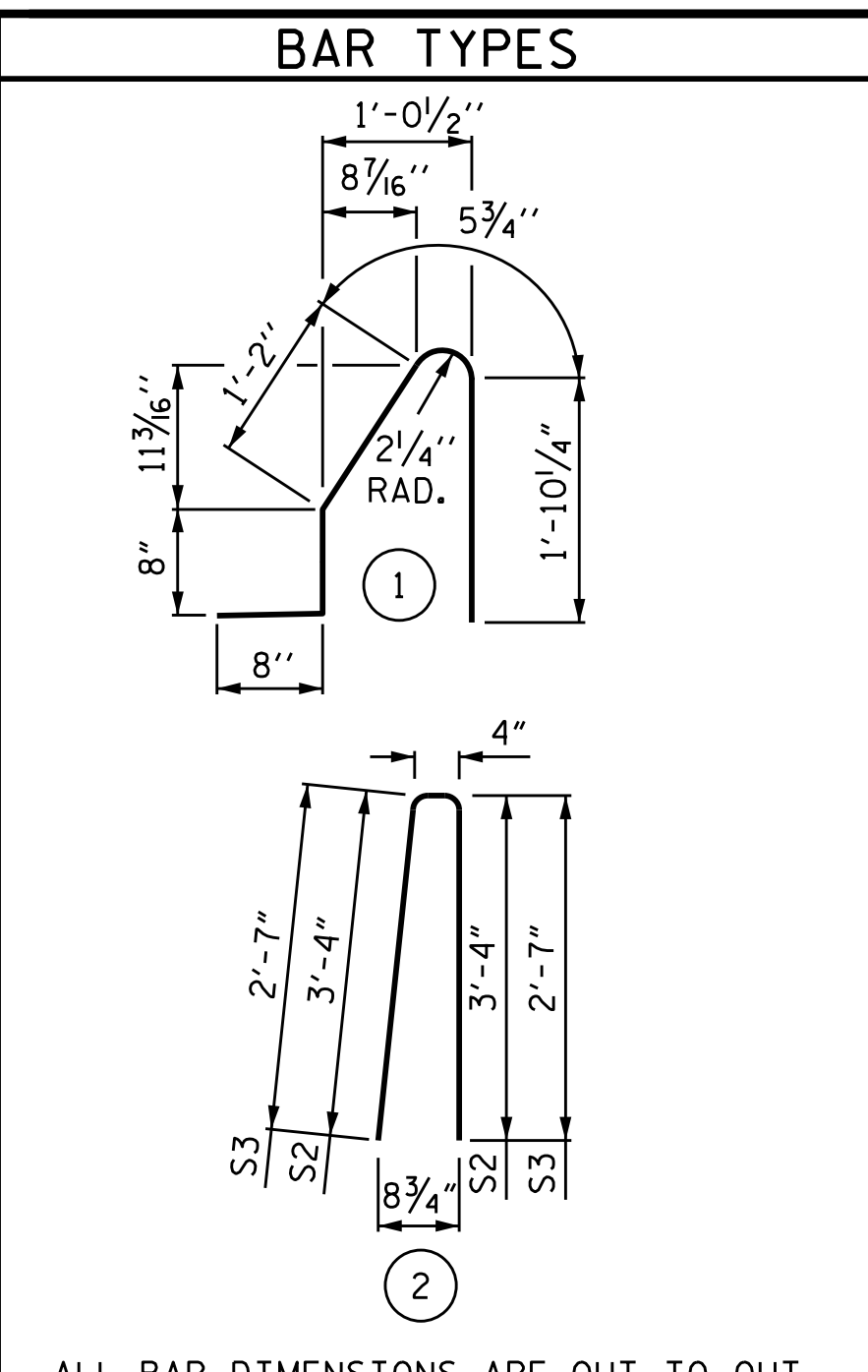


NOTES

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

ALL REINFORCING STEEL IN BARRIER RAILS SHALL BE EPOXY COATED.

GROOVED CONTRACTION JOINTS, 1/2" IN DEPTH, SHALL BE TOOLED IN ALL EXPOSED FACES OF THE BARRIER RAIL AND IN ACCORDANCE WITH ARTICLE 825-10(B) OF THE STANDARD SPECIFICATIONS, THE CONTRACTION JOINT SHALL BE LOCATED AT EACH THIRD POINT BETWEEN BARRIER RAIL EXPANSION JOINTS, ONLY ONE CONTRACTION JOINT IS REQUIRED AT MIDPOINT OF BARRIER RAIL SEGMENTS LESS THAN 20 FEET IN LENGTH AND NO CONTRACTION JOINTS ARE REQUIRED FOR THOSE SEGMENTS LESS THAN 10 FEET IN LENGTH.



ALL BAR DIMENSIONS ARE OUT TO OUT

BILL OF MATERIAL

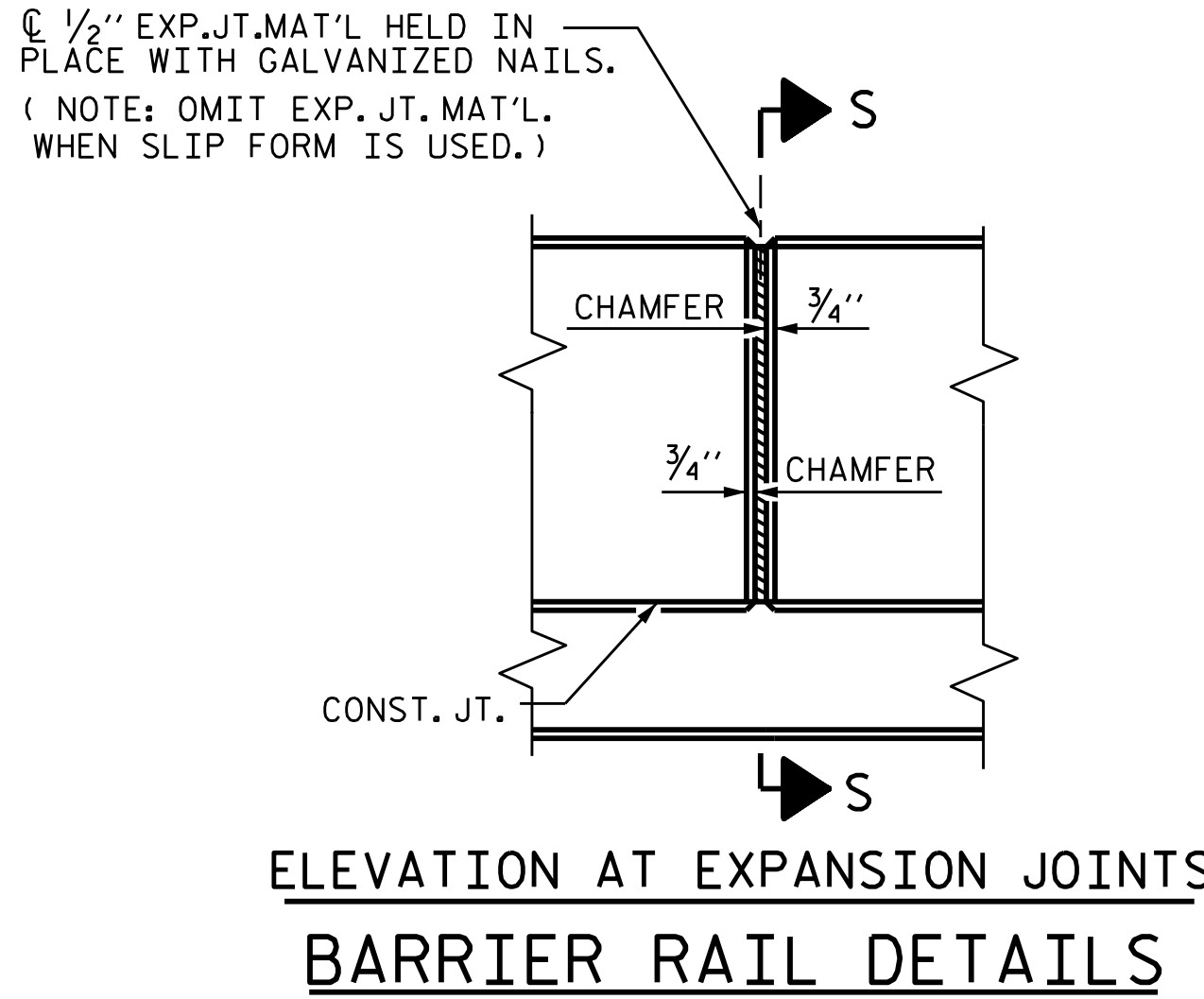
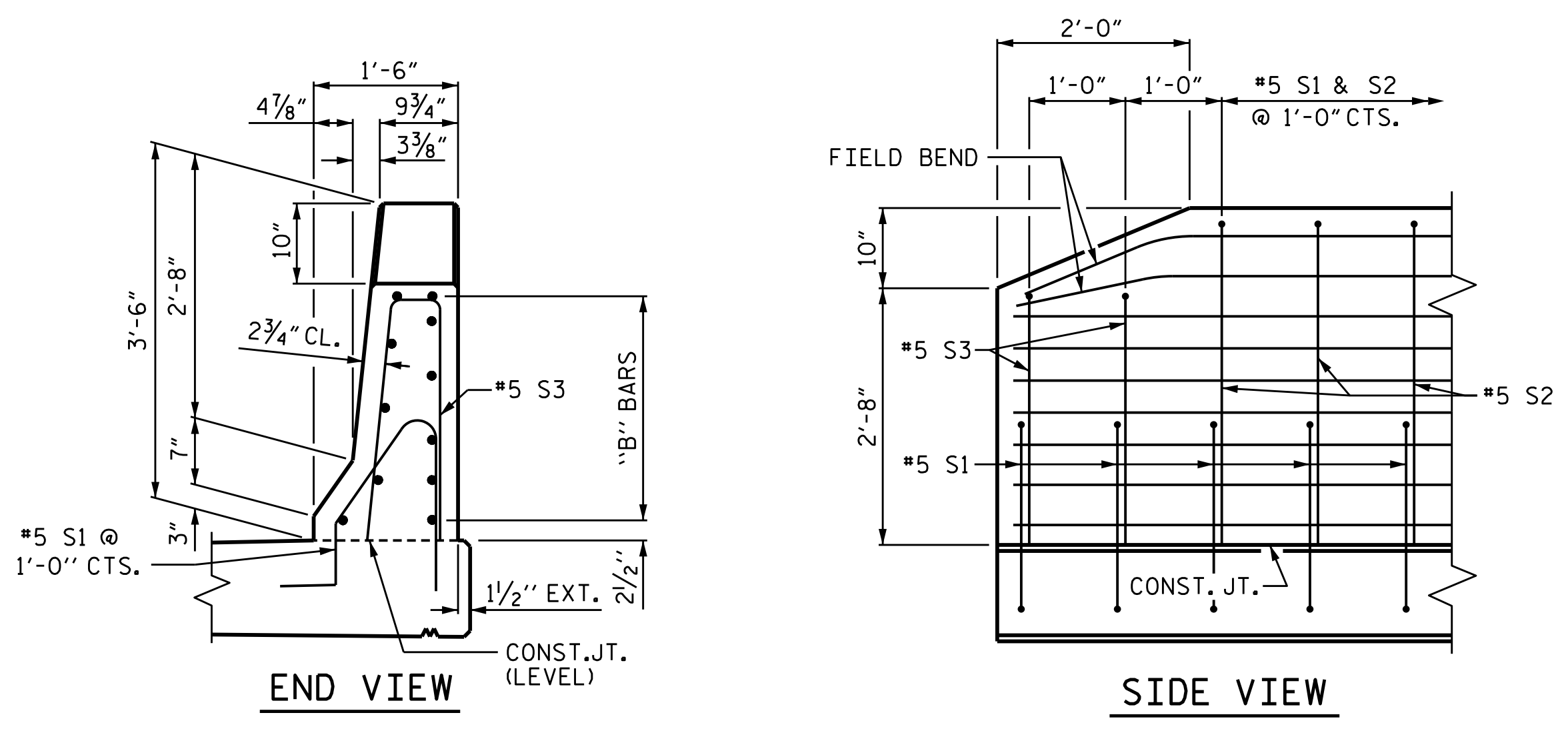
FOR CONCRETE BARRIER RAIL ONLY

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
*B1	44	#5	STR	12'-9"	585
*B2	22	#5	STR	22'-7"	518
*B3	44	#5	STR	27'-1"	1243
*B4	22	#5	STR	27'-7"	633
*B5	44	#5	STR	15'-3"	700
*S1	310	#5	1	4'-10"	1563
*S2	302	#5	2	7'-0"	2205
*S3	8	#5	2	5'-6"	46

* EPOXY COATED REINFORCING STEEL 7493 LBS.

CLASS AA CONCRETE 42.3 CU. YDS.

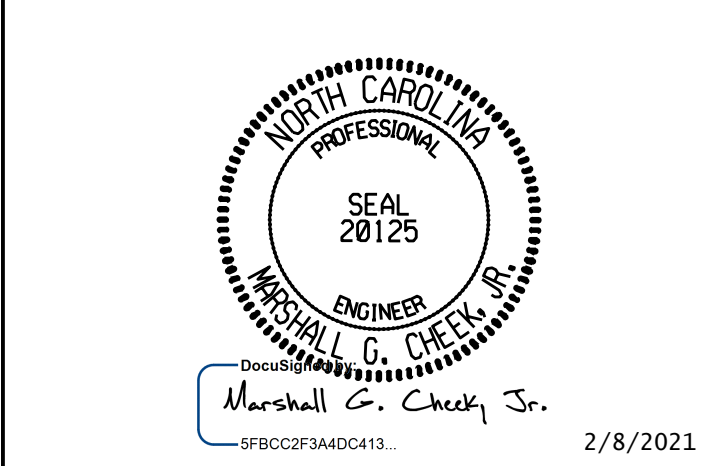
CONCRETE BARRIER RAIL 310.63 LIN. FT.



PROJECT NO. B-4414

BEAUFORT COUNTY

STATION: 24+78.90 -L-



STATE OF NORTH CAROLINA

DEPARTMENT OF TRANSPORTATION

RALEIGH

STANDARD CONCRETE BARRIER RAIL

ASSEMBLED BY: STM DATE: 12/19

CHECKED BY: SBW DATE: 03/20

DRAWN BY: ARB 5/87 REV. 7/12 MAA/GM

CHECKED BY: SJD 9/87 REV. 6/13 MAA/GM

REV. 12/17 MAA/THC

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

REVISIONS

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

SHEET NO. S-17

TOTAL SHEETS 33