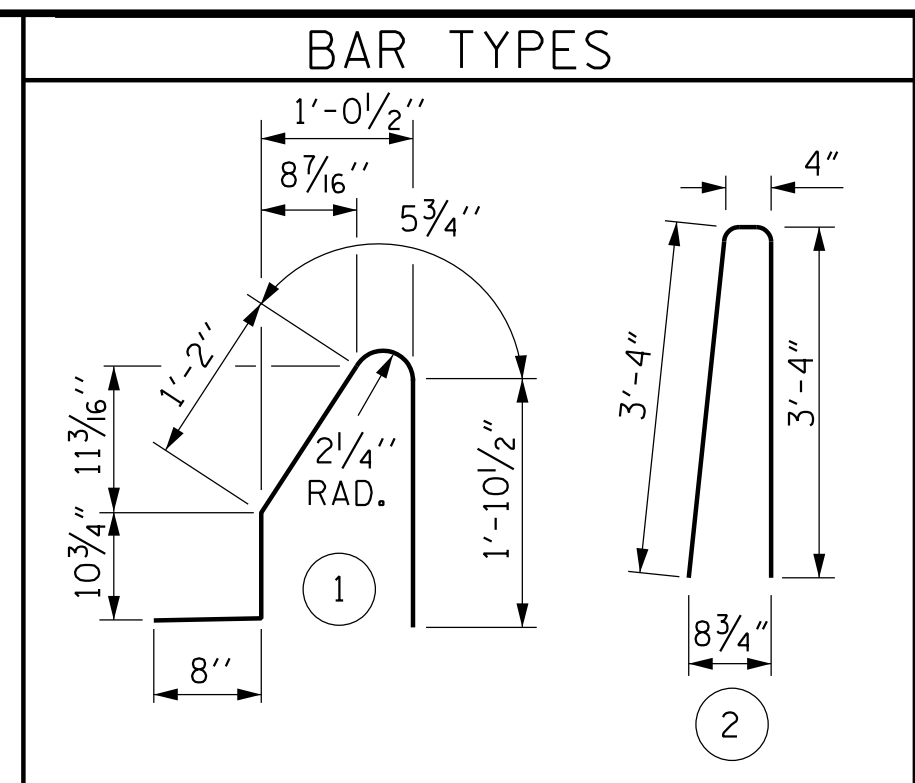


PLAN OF BARRIER RAIL



ALL BAR DIMENSIONS ARE OUT TO OUT

BILL OF MATERIAL

FOR CONCRETE BARRIER RAIL ONLY

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
* B1	110	#5	STR	24'-7"	2820
* B2	88	#5	STR	14'-7"	1339
* S1	354	#5	1	5'-1"	1877
* S2	354	#5	2	7'-0"	2585
* EPOXY COATED REINFORCING STEEL					8621 LBS.
CLASS AA CONCRETE					48.4 CU. YDS.
** CONCRETE BARRIER RAIL					395.71 LIN. FT.

* INCLUDES LENGTH OF BARRIER RAIL ON APPROACH SLABS

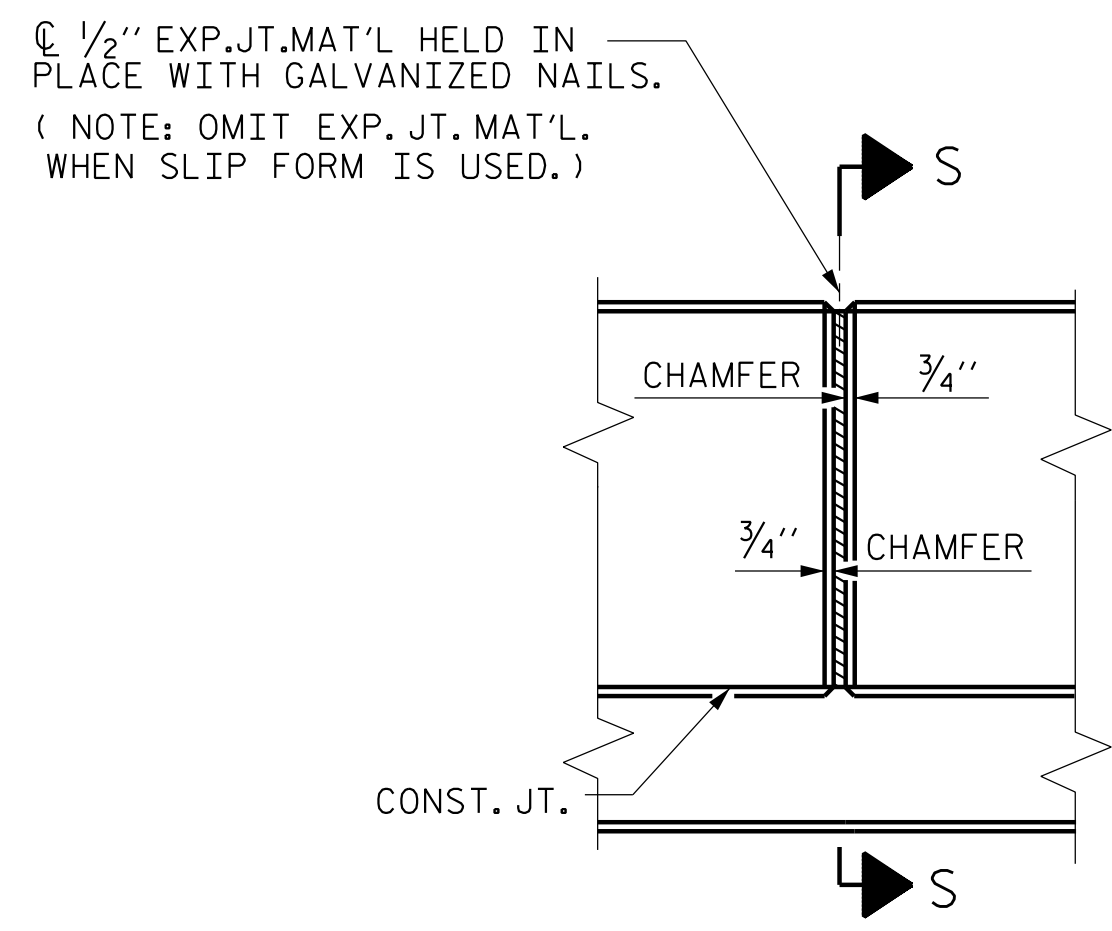
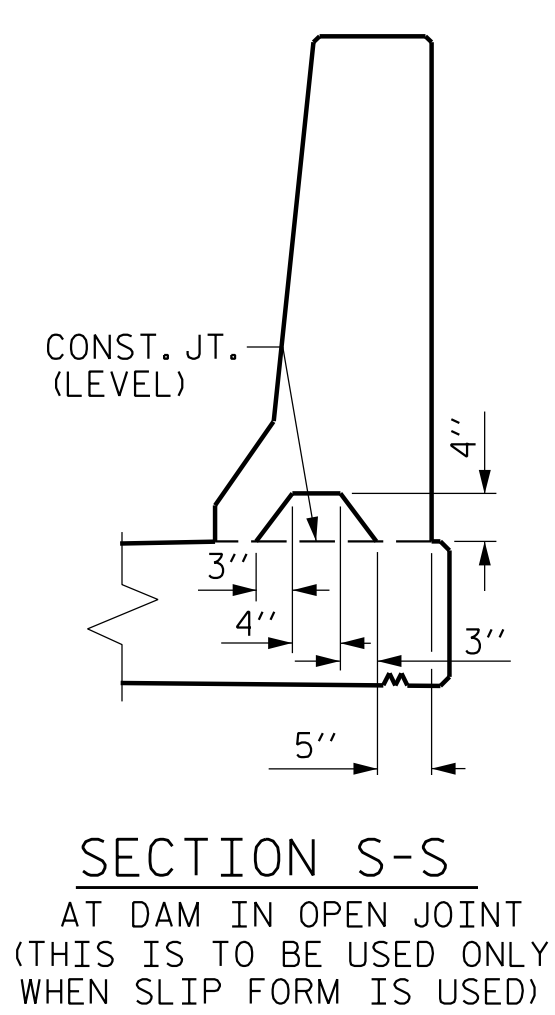
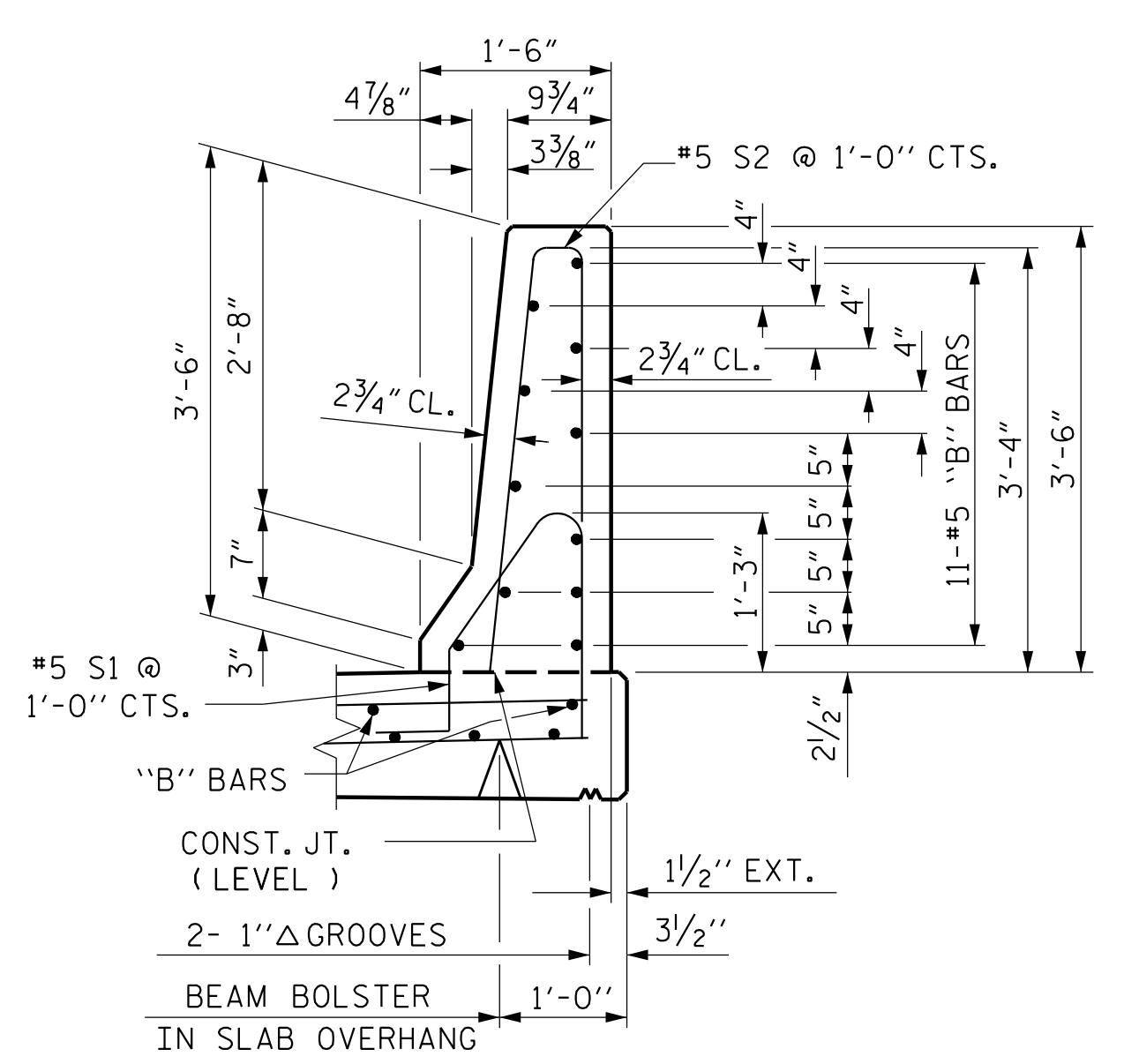
NOTES

THE BARRIER RAIL IN EACH SPAN SHALL NOT BE CAST UNTIL ALL SLAB CONCRETE IN THAT SPAN 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.

THE #5S1 AND S2 BARS MAY BE SHIFTED AS NECESSARY TO MAINTAIN 2" MINIMUM CLEARANCE TO THE 1/2" EXPANSION JOINT MATERIAL.



ELEVATION AT EXPANSION JOINTS

SECTION THRU RAIL

BARRIER RAIL DETAILS

PROJECT NO. I-5987B
ROBESON COUNTY
 STATION: 586+14.00 -L- POT

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
STANDARD CONCRETE BARRIER RAIL

REVISIONS

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

SHEET NO. S5-26
 TOTAL SHEETS 64

PLANS PREPARED BY:

NV5

NV5 ENGINEERS & CONSULTANTS, INC.
 3300 REGENCY PARKWAY, SUITE 100
 CARY, NC 27518
 P: 919.851.1912 www.nv5.com
 NC License # F-1333

THIS STANDARD DRAWING REVIEWED & ADOPTED FOR USE AT THE REFERENCED LOCATION BY THE UNDERSIGNED:

L. Kevin Austin
 L. KEVIN AUSTIN
 PROFESSIONAL ENGINEER
 4/24/2022

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

ASSEMBLED BY : W. B. ALLEN DATE : 5/21
 CHECKED BY : G. F. WILSON DATE : 5/21

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