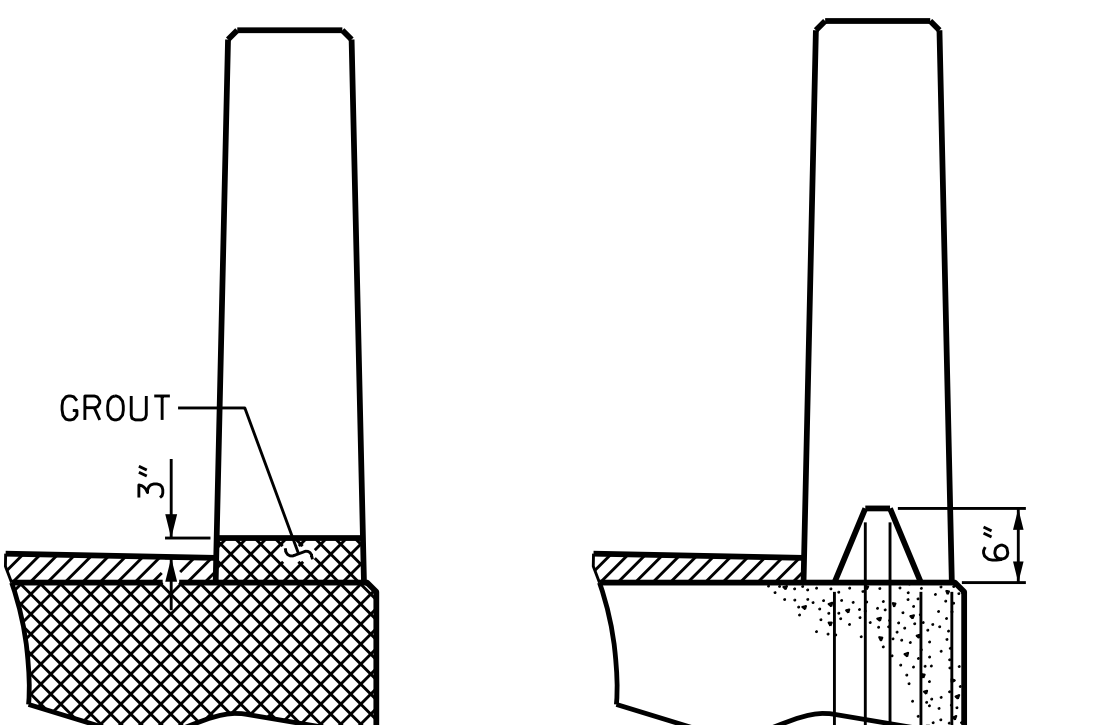


ALL BAR DIMENSIONS ARE OUT TO OUT

BILL OF MATERIAL FOR VERTICAL CONCRETE BARRIER RAIL						
BAR	BARS PER PAIR OF EXTERIOR UNITS	TOTAL NO.	SIZE	TYPE	LENGTH	WEIGHT
	SPANS A AND UU		2 SPANS			
* B3	80	160	#5	STR	13'-9"	2295
* S4	118	236	#5	2	7'-2"	1764
* EPOXY COATED REINFORCING STEEL					LBS.	4059
CLASS AA CONCRETE					CU.YDS.	25.3
TOTAL VERTICAL CONCRETE BARRIER RAIL					LN. FT.	195.08

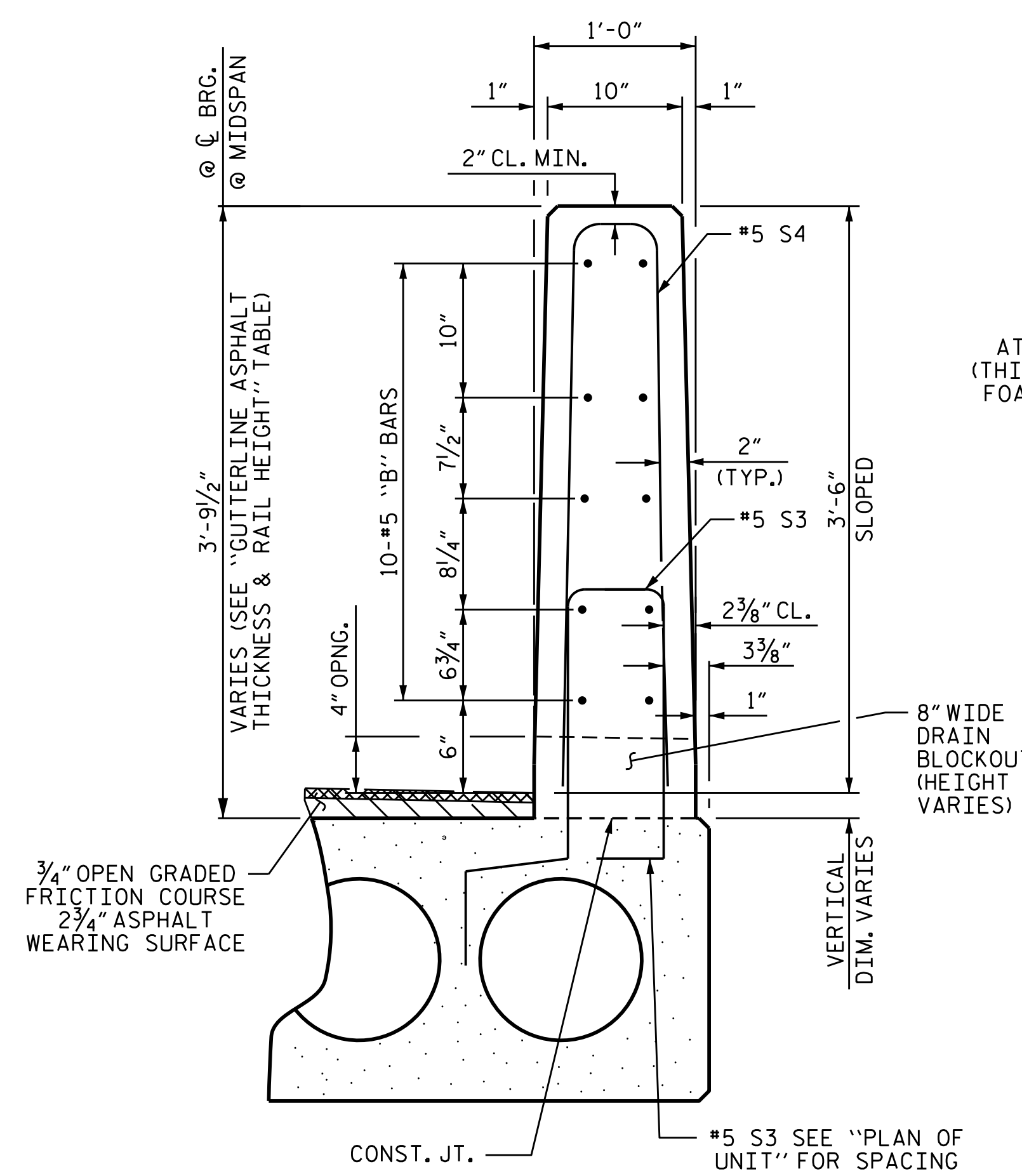
BILL OF MATERIAL FOR VERTICAL CONCRETE BARRIER RAIL						
BAR	BARS PER PAIR OF EXTERIOR UNITS	TOTAL NO.	SIZE	TYPE	LENGTH	WEIGHT
	SPANS B THRU V AND SPANS Z THRU TT		42 SPANS			
* B4	80	3360	#5	STR	14'-2"	49647
* S4	120	5040	#5	2	7'-2"	37673
* EPOXY COATED REINFORCING STEEL					LBS.	87320
CLASS AA CONCRETE					CU.YDS.	543.1
TOTAL VERTICAL CONCRETE BARRIER RAIL					LN. FT.	4189.26

BILL OF MATERIAL FOR VERTICAL CONCRETE BARRIER RAIL						
BAR	BARS PER PAIR OF EXTERIOR UNITS	TOTAL NO.	SIZE	TYPE	LENGTH	WEIGHT
	SPANS W THRU Y		3 SPANS			
* B5	40	120	#5	STR	24'-7"	3077
* S4	116	348	#5	2	7'-2"	2601
* EPOXY COATED REINFORCING STEEL					LBS.	5678
CLASS AA CONCRETE					CU.YDS.	38.8
TOTAL VERTICAL CONCRETE BARRIER RAIL					LN. FT.	299.23

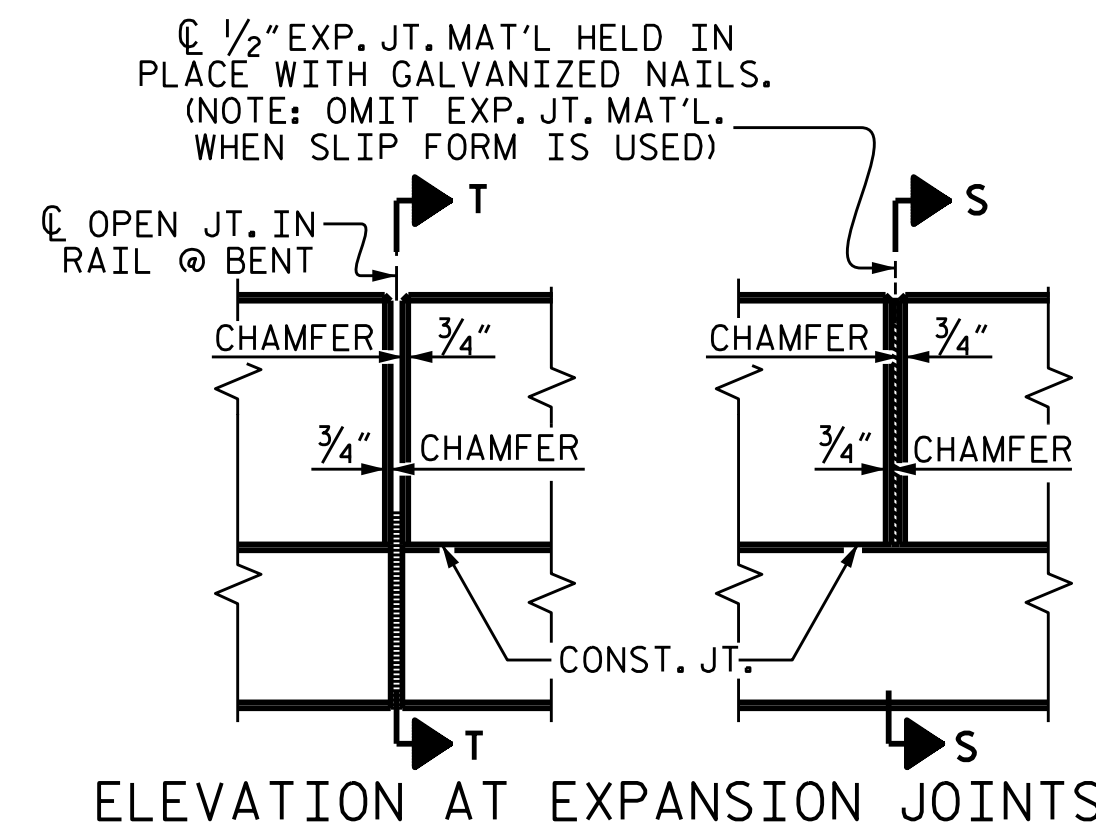


SECTION T-T
AT OPEN JOINT AT BENT
(THIS IS TO BE USED WHERE
FOAM JOINT IS NOT USED)

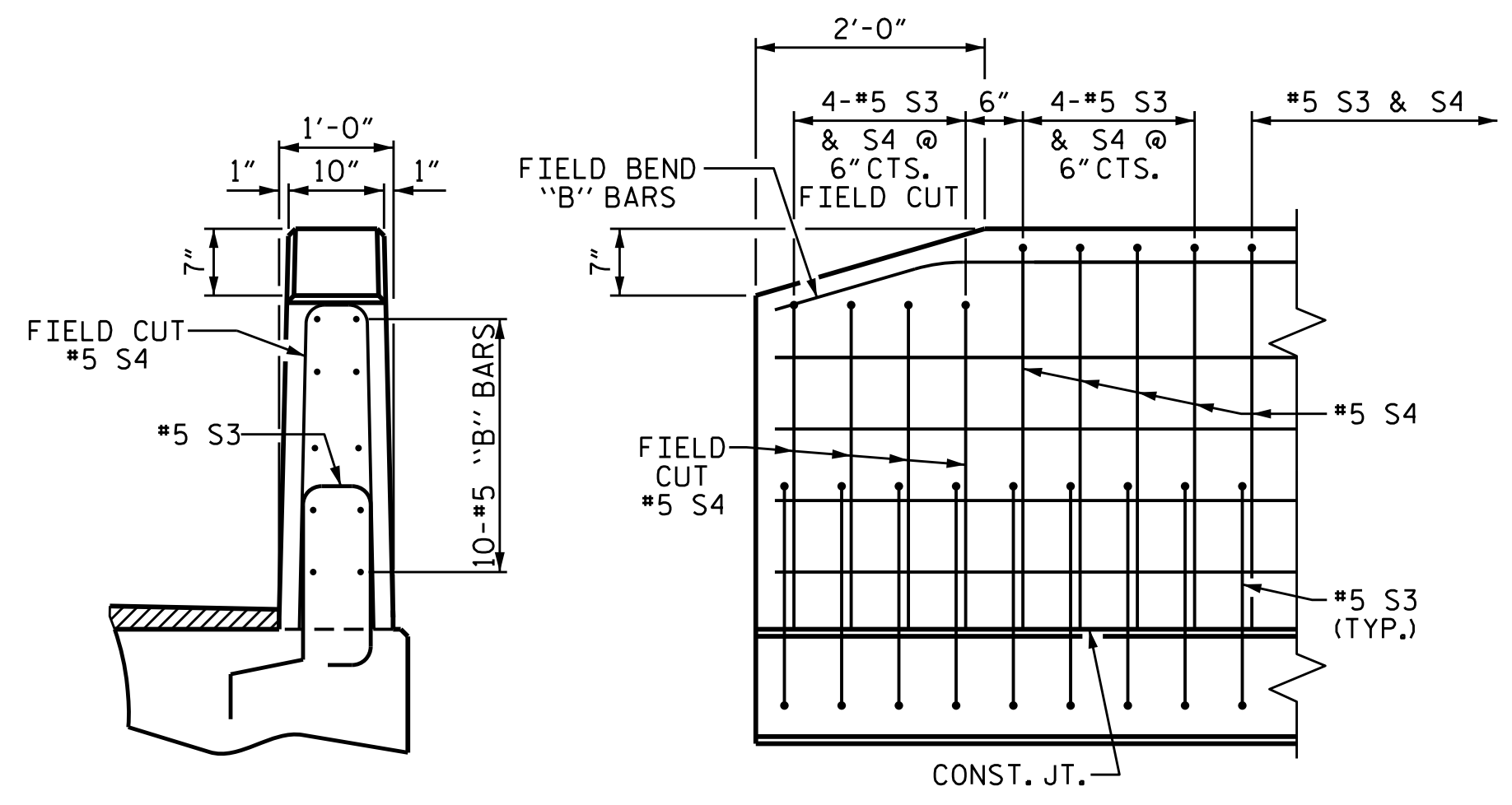
SECTION S-S
AT DAM IN OPEN JOINT
(THIS IS TO BE USED ONLY
WHEN SLIP FORM IS USED)



VERTICAL CONCRETE BARRIER RAIL SECTION



ELEVATION AT EXPANSION JOINTS



END VIEW

SIDE VIEW

END OF RAIL DETAILS

PROJECT NO. B-2500AB
DARE COUNTY
 STATION: 3170+75.00 -L-

SHEET 10 OF 11



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

VERTICAL CONCRETE
 BARRIER RAIL

ASSEMBLED BY : E. K. POPE, P.E.	DATE : 6/15
CHECKED BY : B. L. GREEN, P.E.	DATE : 6/15
DRAWN BY : DGE 5/09	REV. 11/14
CHECKED BY : BCH 6/09	MAA/TMG

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	TOTAL SHEETS
1			3			44
2			4			