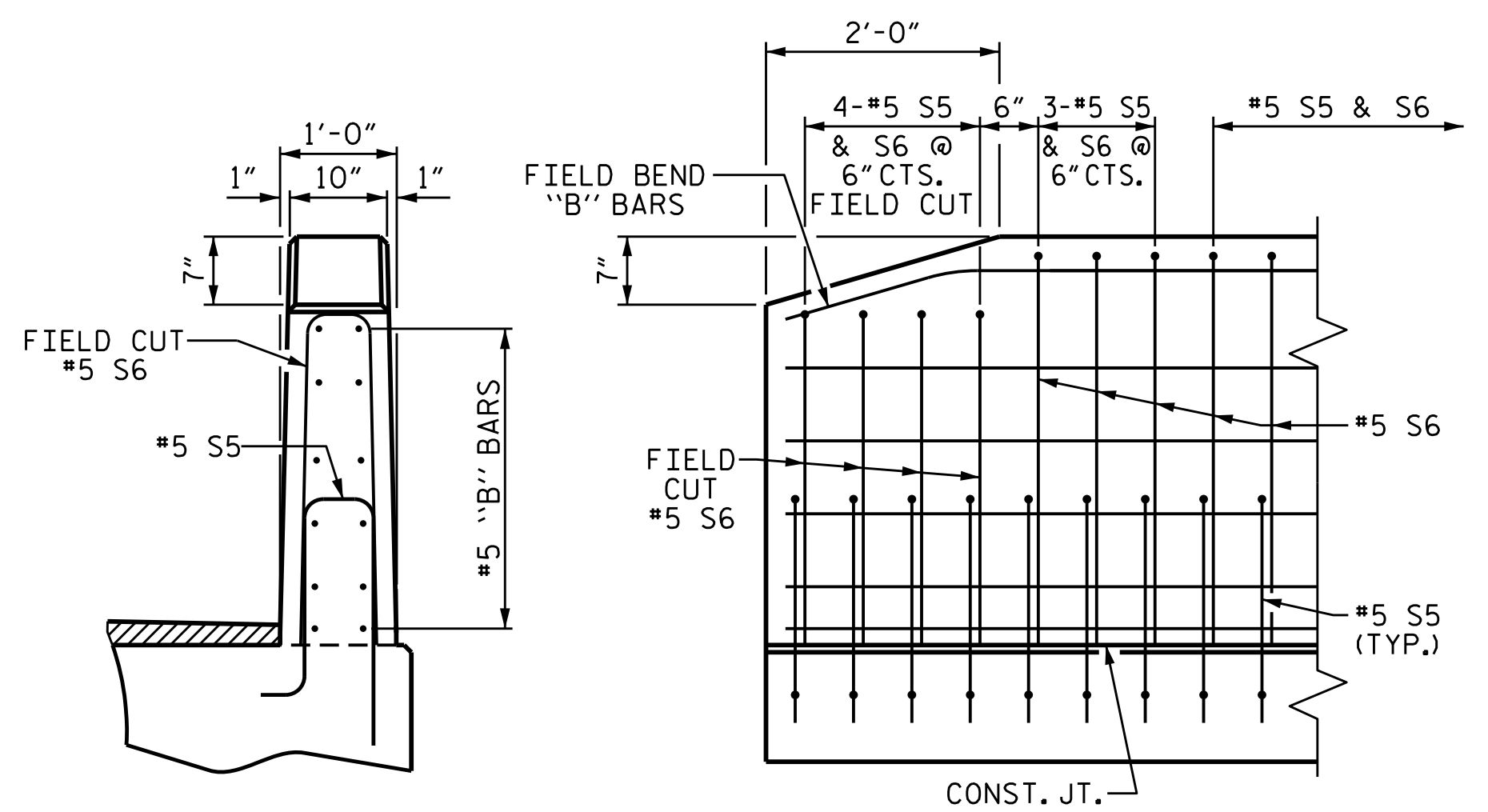


FIXED END
(TYPE I - 40 REQ'D.)

EXPANSION END
(TYPE II - 20 REQ'D.)

ELASTOMERIC BEARING DETAILS

ELASTOMER IN ALL BEARINGS SHALL BE 60 DUROMETER HARDNESS.



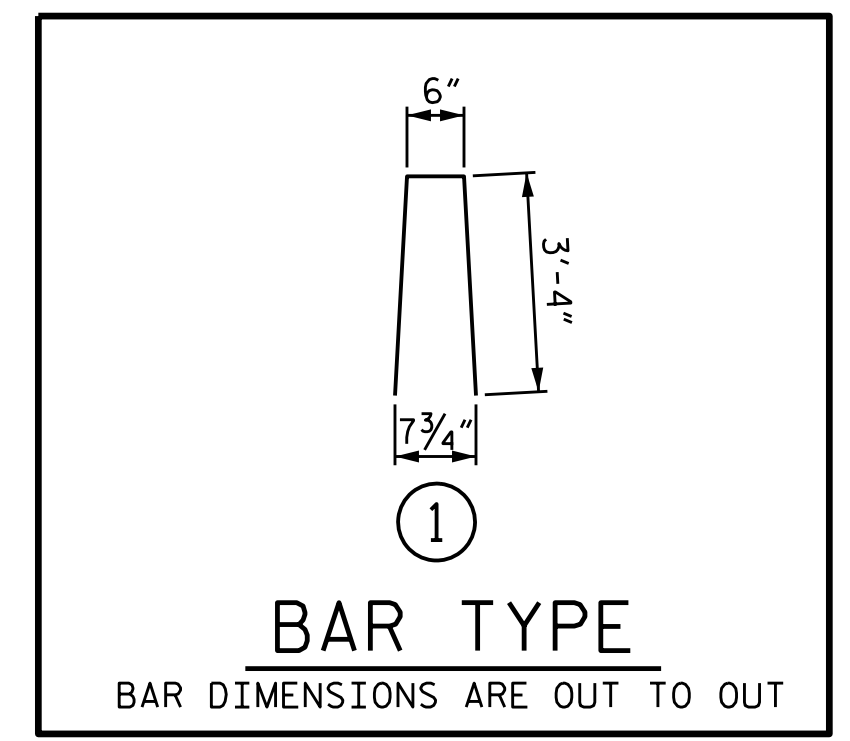
END VIEW

SIDE VIEW

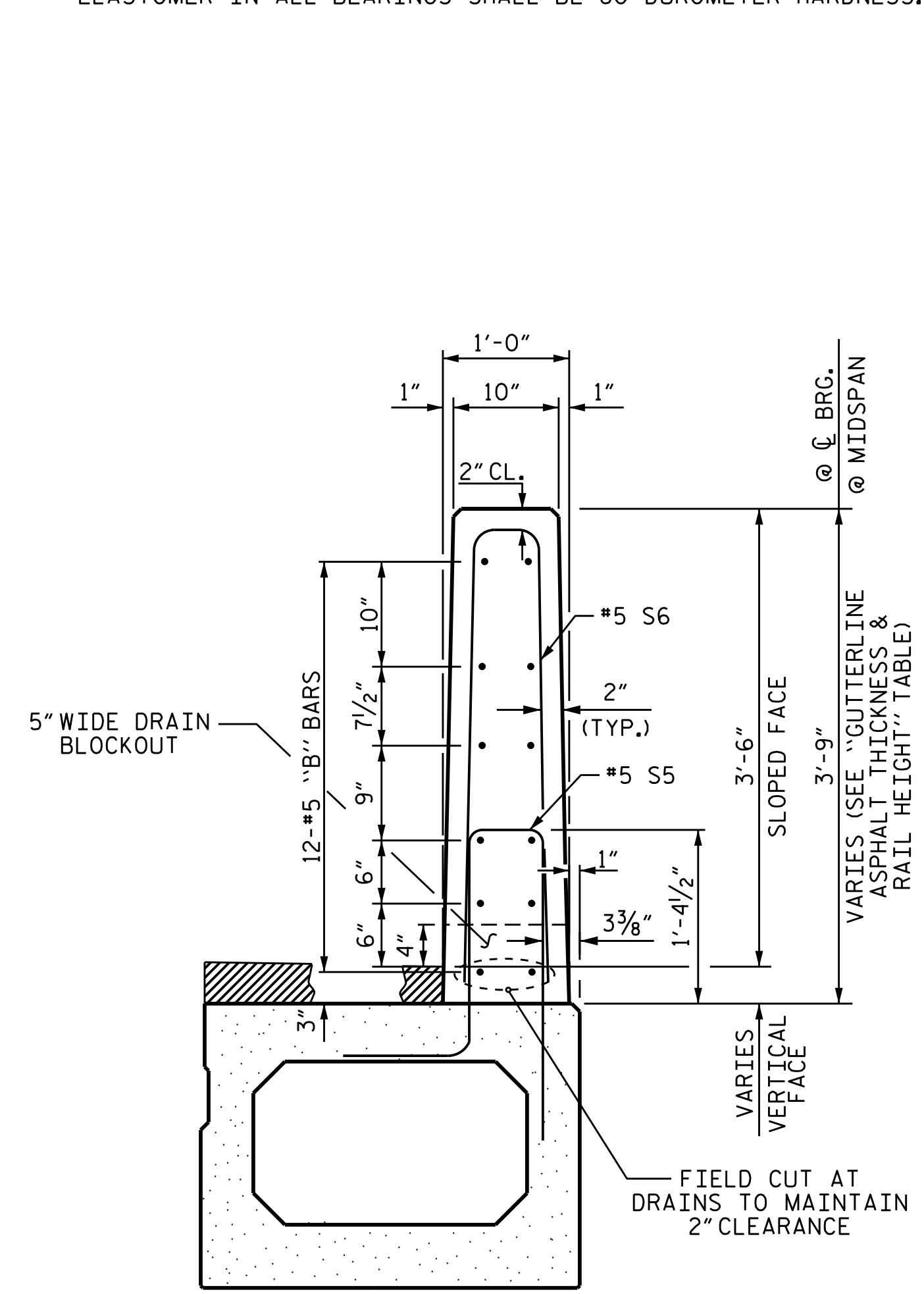
END OF RAIL DETAILS

BOX BEAM UNITS REQUIRED			
	NUMBER	LENGTH	TOTAL LENGTH
EXTERIOR B.B.	4	104'-10 1/4"	419'-5"
INTERIOR B.B.	16	104'-10 1/4"	1677'-8"
EXTERIOR B.B.	2	80'-0"	160'-0"
INTERIOR B.B.	8	80'-0"	640'-0"
TOTAL	30		2897'-1"

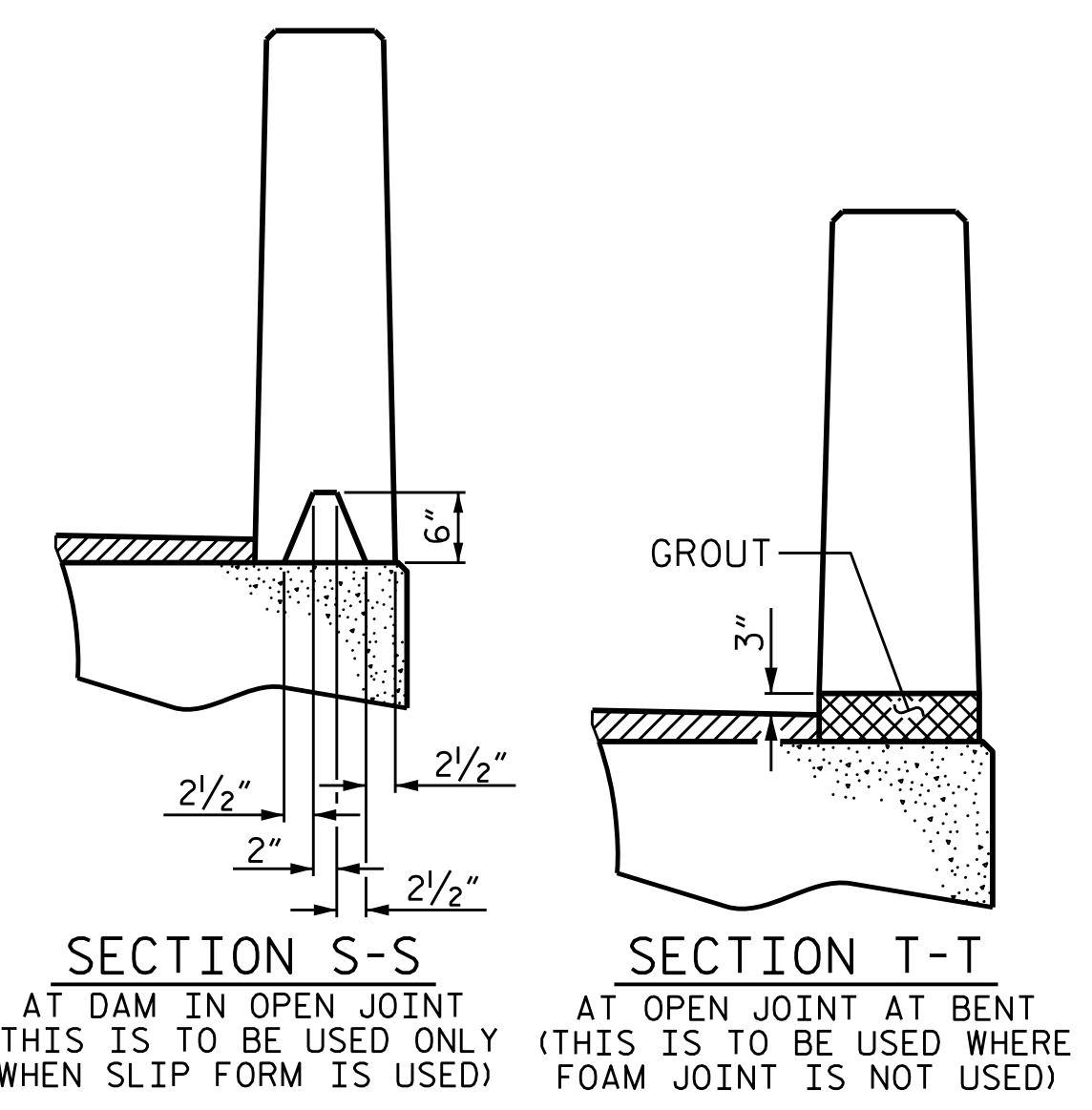
CONCRETE RELEASE STRENGTH	
UNIT	PSI
104'-10 1/4" UNITS	6200
80'-0" UNITS	5000



BAR TYPE
BAR DIMENSIONS ARE OUT TO OUT

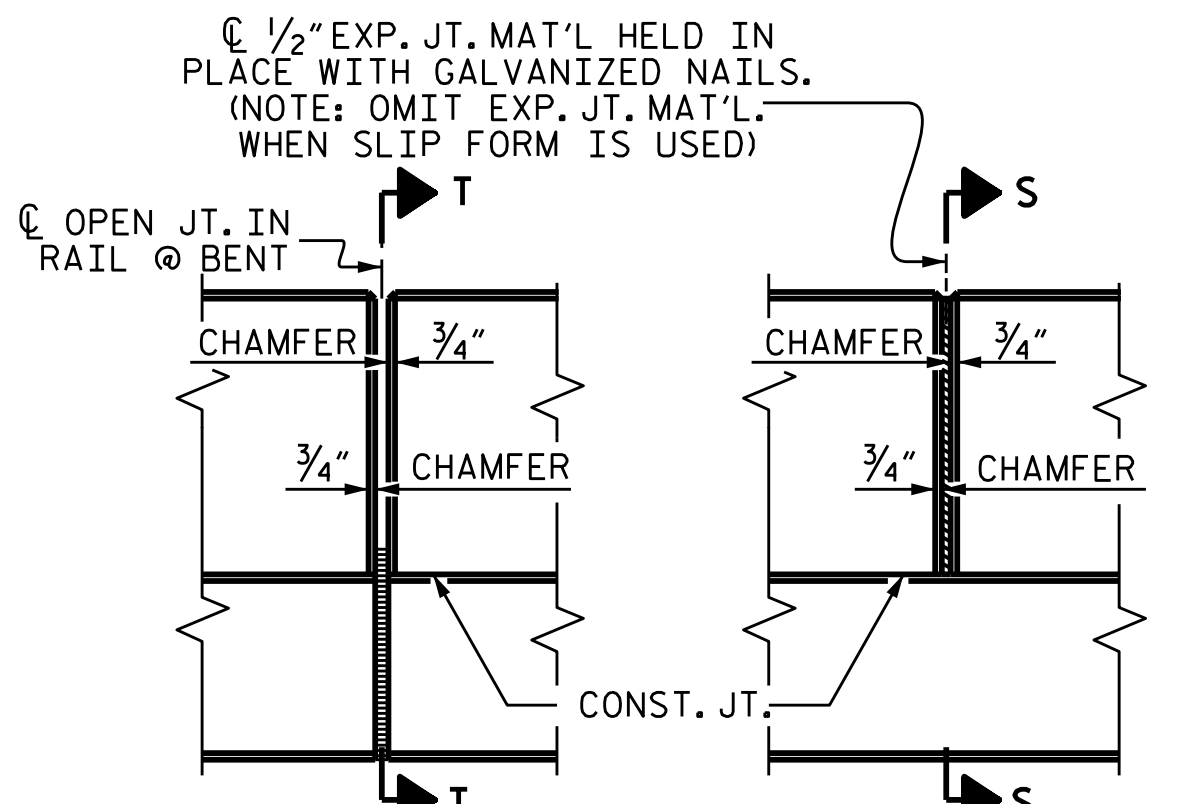


SECTION THRU RAIL



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

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



ELEVATION AT EXPANSION JOINTS

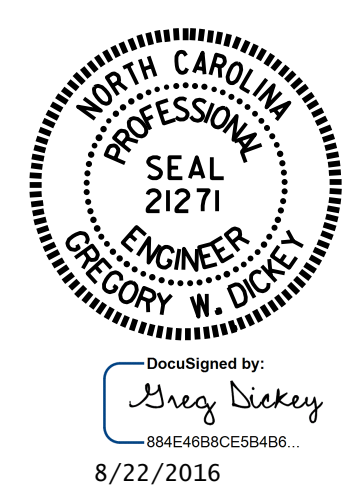
BILL OF MATERIAL FOR VERTICAL CONCRETE BARRIER RAIL (FOR ONE SPAN - 2 REQUIRED)					
BAR	BARS PER PAIR OF EXTERIOR UNITS 104'-10 1/4" UNIT	SIZE	TYPE	LENGTH	WEIGHT
*B12	192	#5	STR	14'-11"	2987
*S6	280	#5	1	7'-2"	2093
*EPOXY COATED REINFORCING STEEL				LBS.	5080
CLASS AA CONCRETE				CU.YDS.	27.2
TOTAL VERTICAL CONCRETE BARRIER RAIL				LN. FT.	209.71

BILL OF MATERIAL FOR VERTICAL CONCRETE BARRIER RAIL					
BAR	BARS PER PAIR OF EXTERIOR UNITS 80' UNIT	SIZE	TYPE	LENGTH	WEIGHT
*B8	144	#5	STR	15'-2"	2278
*S6	214	#5	1	7'-2"	1600
*EPOXY COATED REINFORCING STEEL				LBS.	3878
CLASS AA CONCRETE				CU.YDS.	20.7
TOTAL VERTICAL CONCRETE BARRIER RAIL				LN. FT.	160.00

TOTAL LN. FT. = 579.42

GUTTERLINE ASPHALT THICKNESS & RAIL HEIGHT		
	ASPHALT OVERLAY THICKNESS @ MID-SPAN	RAIL HEIGHT @ MID-SPAN
104'-10 1/4" UNITS	2"	3'-8"
80' UNITS	1 1/16"	3'-7 1/16"

PROJECT NO. B-5360
RANDOLPH COUNTY
 STATION: 23+68.00 -L-
 SHEET 7 OF 7



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 STANDARD
 3'-0" X 3'-3"
 PRESTRESSED CONCRETE
 BOX BEAM UNIT

ASSEMBLED BY : A. K. PATEL DATE : 1/15/16
 CHECKED BY : W. F. PARKER DATE : 3/16
 DRAWN BY : DGE 10/11 REV. 4/15 MAA/TMG
 CHECKED BY : TMG 11/11

DOCUMENT NOT CONSIDERED
 FINAL UNLESS ALL
 SIGNATURES COMPLETED

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-11
1			3			TOTAL SHEETS
2			4			38