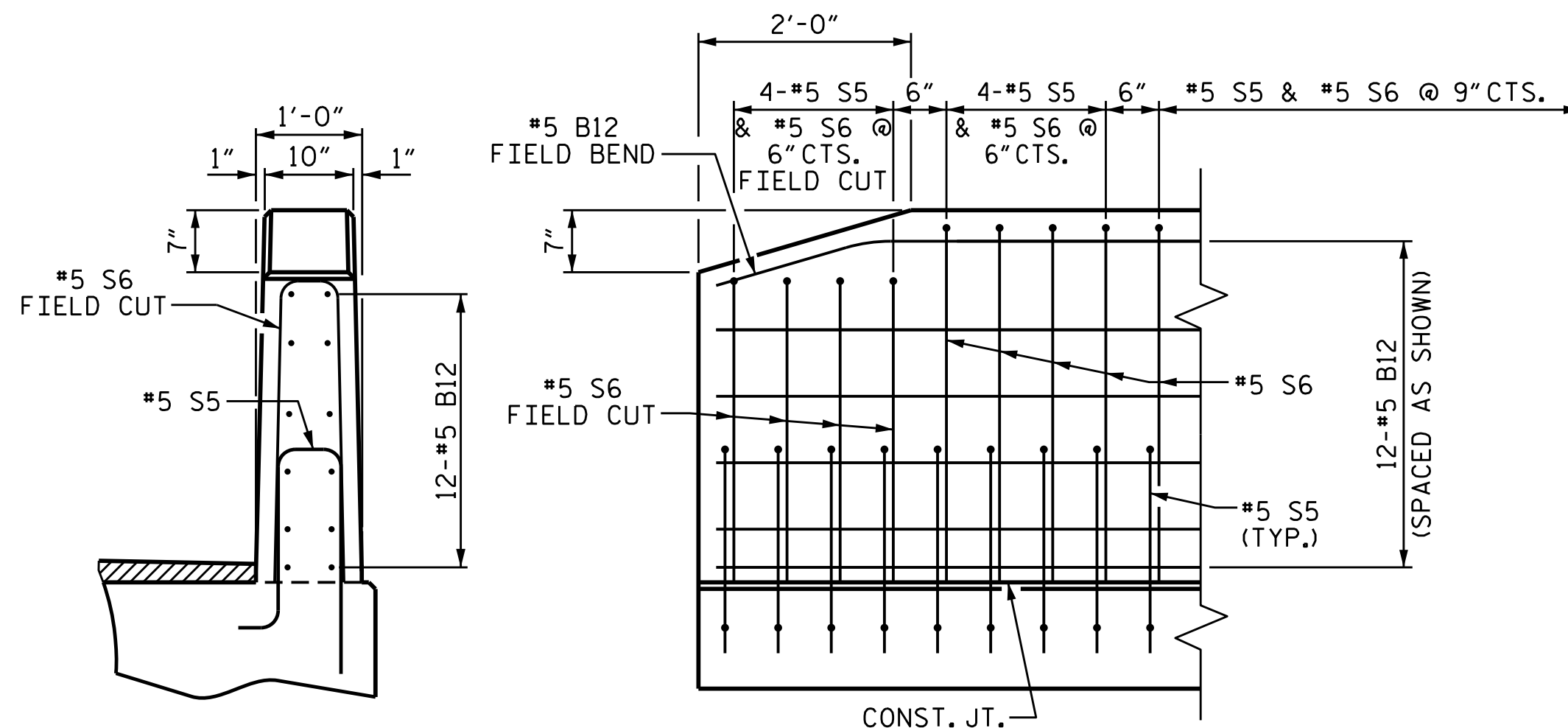
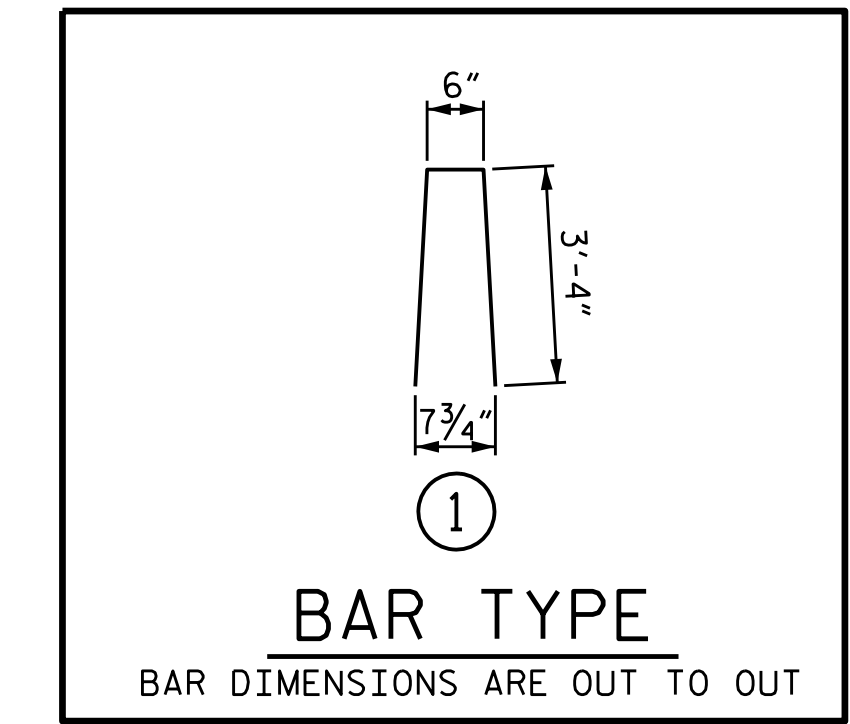


**FIXED END**  
(TYPE II - 22 REQ'D)



**END VIEW**      **SIDE VIEW**



**BAR TYPE**  
BAR DIMENSIONS ARE OUT TO OUT

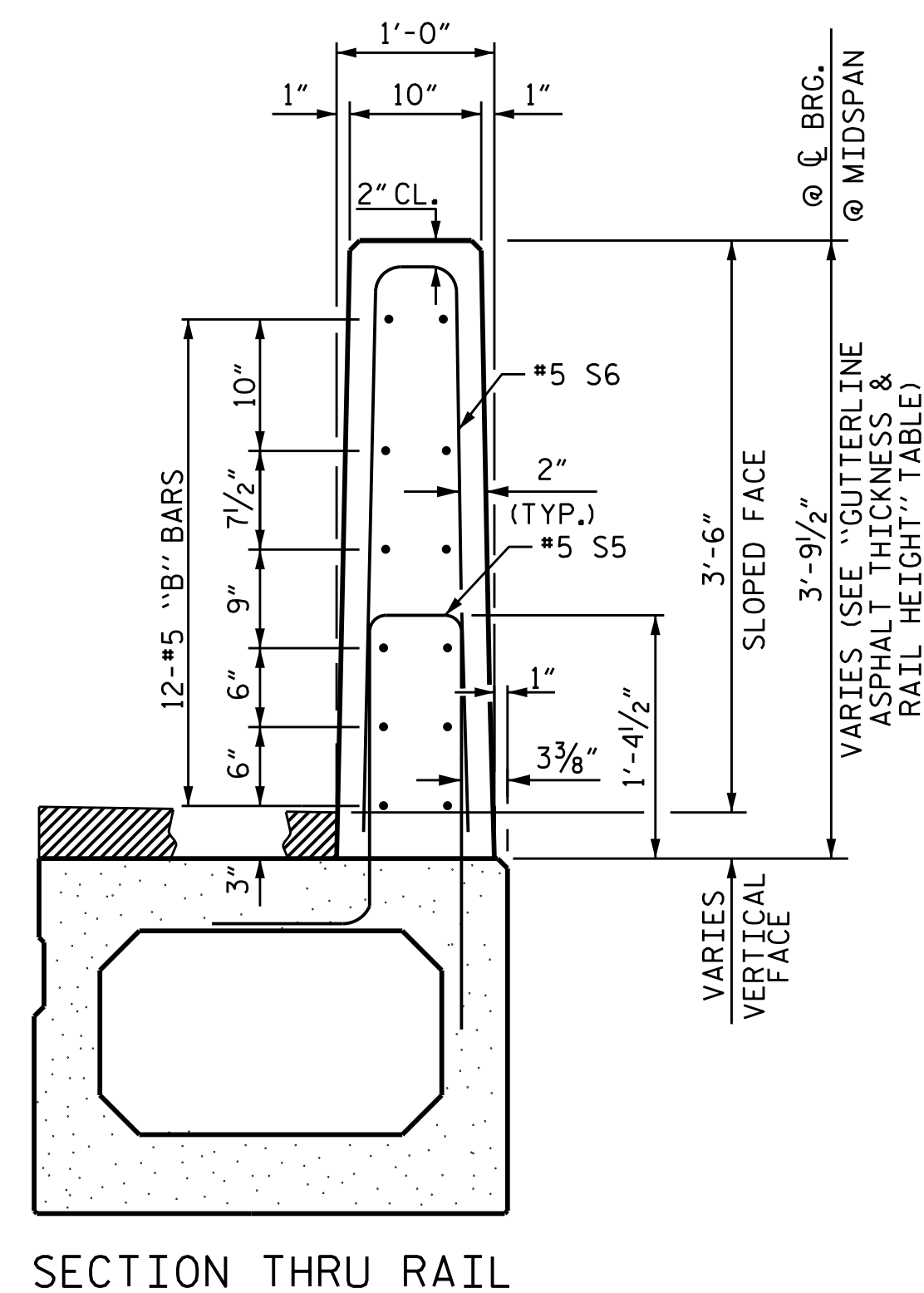
BILL OF MATERIAL FOR VERTICAL CONCRETE BARRIER RAIL					
BAR	BARS PER PAIR OF EXTERIOR UNITS	SIZE	TYPE	LENGTH	WEIGHT
*B12	72	#5	STR	26'-4"	1978
*B13	24	#5	STR	24'-4"	609
*S6	290	#5	1	7'-2"	2168
*EPOXY COATED REINFORCING STEEL				LBS.	4755
CLASS AA CONCRETE				CY.	27.2
TOTAL VERTICAL CONCRETE BARRIER RAIL				LN. FT.	210.0

**ELASTOMERIC BEARING DETAILS**

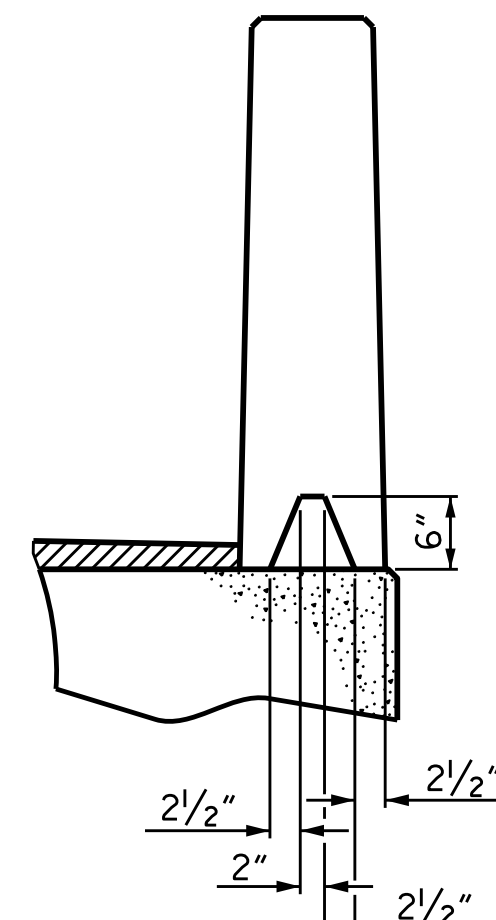
ELASTOMER IN ALL BEARINGS SHALL BE 60 DUROMETER HARDNESS.

**END OF RAIL DETAILS**

GUTTERLINE ASPHALT THICKNESS & RAIL HEIGHT		
	ASPHALT OVERLAY THICKNESS @ MID-SPAN	RAIL HEIGHT @ MID-SPAN
105' UNITS	2 1/2"	3'-8 1/2"

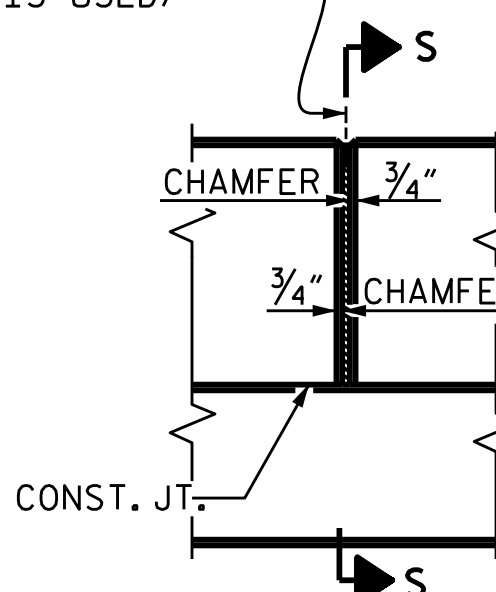


**SECTION THRU RAIL**



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

1/2" EXP. JT. MAT'L HELD IN PLACE WITH GALVANIZED NAILS.  
(NOTE: OMIT EXP. JT. MAT'L WHEN SLIP FORM IS USED)



**ELEVATION AT EXPANSION JOINTS**

BOX BEAM UNITS REQUIRED			
	NUMBER	LENGTH	TOTAL LENGTH
EXTERIOR B.B.	2	105'-0"	210'-0"
INTERIOR B.B.	9	105'-0"	945'-0"
TOTAL	11		1155'-0"

**VERTICAL CONCRETE BARRIER RAIL DETAILS**

ASSEMBLED BY : P.S. ADKINS	DATE : 4/10/14
CHECKED BY : J.K. BOWLES	DATE : 4/14/15
DRAWN BY : DGE 10/11	REV. 8/14
CHECKED BY : TMG 11/11	MAA/TMG

20-MAR-2017 12:27  
R:\Structures\Plans\B4830.SD.BX.01.dgn  
jdhawk



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PROJECT NO. B-4830  
WAKE COUNTY  
STATION: 15+32.50 -L-

SHEET 5 OF 5

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

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-9
1			3			TOTAL SHEETS 16
2			4			

STD. NO. 39PCBB8\_90S