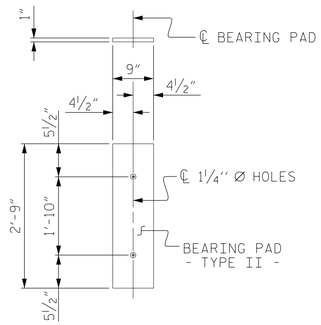
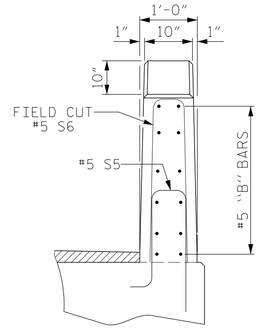


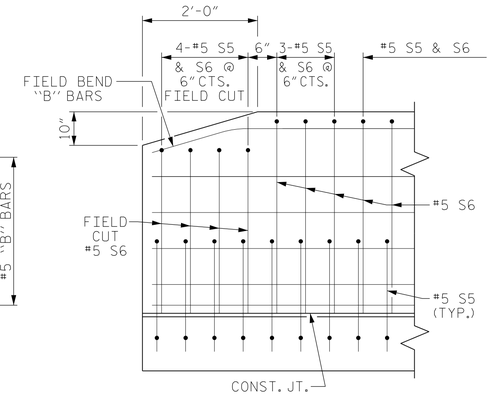
FIXED END
(TYPE II - 22 REQ'D)

ELASTOMERIC BEARING DETAILS

ELASTOMER IN ALL BEARINGS SHALL BE 60 DUROMETER HARDNESS.

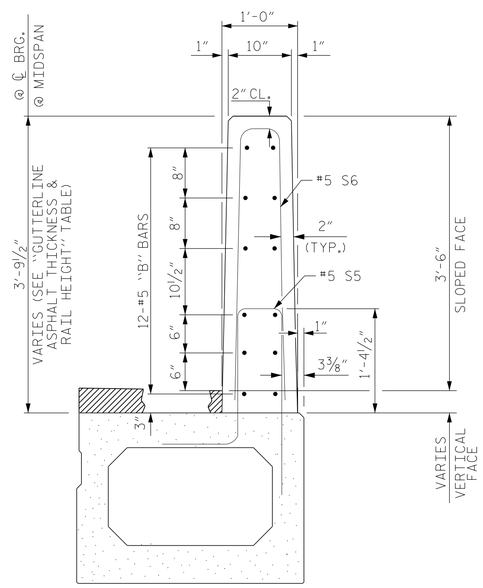


END VIEW

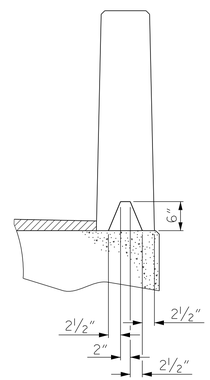


SIDE VIEW

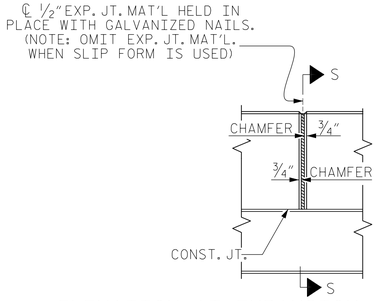
END OF RAIL DETAILS



SECTION THRU RAIL

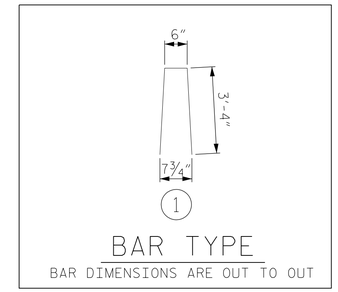


SECTION S-S
AT DAM IN OPEN JOINT
(THIS IS TO BE USED ONLY
WHEN SLIP FORM IS USED)



ELEVATION AT EXPANSION JOINTS

VERTICAL CONCRETE BARRIER RAIL DETAILS



BAR TYPE
BAR DIMENSIONS ARE OUT TO OUT

BOX BEAM UNITS REQUIRED

	NUMBER	LENGTH	TOTAL LENGTH
EXTERIOR B.B.	2	100'-0"	200'-0"
INTERIOR B.B.	9	100'-0"	900'-0"
TOTAL	11	———	1100'-0"

BILL OF MATERIAL FOR VERTICAL CONCRETE BARRIER RAIL

BAR	BARS PER PAIR OF EXTERIOR UNITS	SIZE	TYPE	LENGTH	WEIGHT
	100' UNIT				
*B12	96	#5	STR	24'-7"	2461
* S6	276	#5	1	7'-2"	2063
* EPOXY COATED REINFORCING STEEL			LBS.		4524
CLASS AA CONCRETE			CU.YDS.		25.9
TOTAL VERTICAL CONCRETE BARRIER RAIL			LN.FT.		200.0

GUTTERLINE ASPHALT THICKNESS & RAIL HEIGHT

	ASPHALT OVERLAY THICKNESS @ MID-SPAN	RAIL HEIGHT @ MID-SPAN
100' UNITS	2⅜"	3'-8⅜"

PROJECT NO. 17BP.5.R.78
WARREN COUNTY
STATION: 14+19.50 -L-

SHEET 5 OF 5

NORTH CAROLINA PROFESSIONAL SEAL 11725 ENGINEER DAVID R BUGGLE

DocuSigned by: David R. Buggle C462768DF412422... 10/24/2022

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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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-8
1			3			TOTAL SHEETS
2			4			16

STD. NO. 39PCBB8_90S

DRAWN BY: E. PHELPS DATE: 12/17
CHECKED BY: J. LOFTUS DATE: 01/18
DESIGN ENGINEER OF RECORD: J. LOFTUS DATE: 01/18

WARREN 140
2/13/2019
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USER:vchung