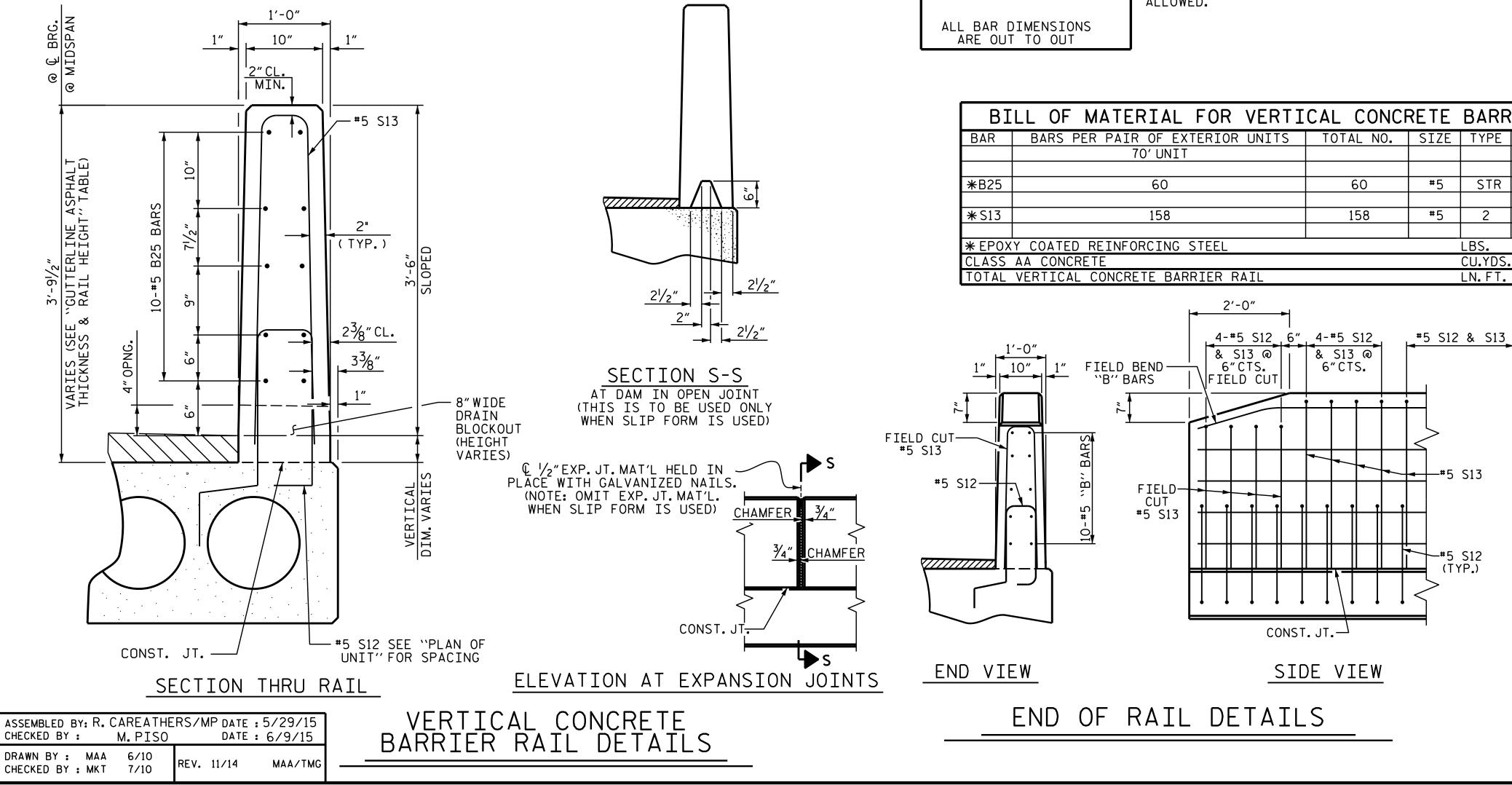


GUTTERLINE ASP	HALT THICKNESS & RAI	L HEIGHT
	ASPHALT OVERLAY THICKNESS @ MID-SPAN	RAIL HEIGHT @ MID-SPAN
70' UNITS	2″	3'-8″

+

+



^{\$\$\$\$}USERNAME\$\$\$

BILL OF MATERIAL FOR VERTICAL CONCRETE BARRIER RAIL						
BAR	BARS PER PAIR OF EXTERIOR UNITS	TOTAL NO.	SIZE	TYPE	LENGTH	WEIGHT
	70' UNIT					
* B25	60	60	#5	STR	22'-11"	1434
* S13	158	158	# 5	2	7'-2"	1181
* EPOXY COATED REINFORCING STEEL LBS.		2615				
CLASS	AA CONCRETE	CU.YDS.		18.1		
TOTAL	TOTAL VERTICAL CONCRETE BARRIER RAIL LN.FT.		140.25			

MAINTAIN A SYMMETRIC TENSION FORCE BETWEEN EACH PAIR OF TRANSVERSE POST TENSIONING STRANDS IN THE DIAPHRAGM.

THE #4 S11 STIRRUPS MAY BE SHIFTED AS NECESSARY TO MAINTAIN 1"CLEAR TO THE GROUTED RECESS.

FOR GROUT FOR STRUCTURES, SEE SPECIAL PROVISIONS.

THE PERMITTED THREADED INSERTS ARE DETAILED AS AN OPTION FOR THE CONTRACTOR TO ATTACH FALSEWORK AND FORMWORK DURING CONSTRUCTION.

THE PERMITTED THREADED INSERTS IN THE EXTERIOR UNITS SHALL BE SIZED BY THE CONTRACTOR, SPACED AT 4'-O"CENTERS AND GALVANIZED IN ACCORDANCE WITH SECTION 1076 OF THE STANDARD SPECIFICATIONS. STAINLESS STEEL THREADED INSERTS MAY BE USED AS AN ALTERNATE.

THE PERMITTED THREADED INSERTS SHALL BE GROUTED BY THE CONTRACTOR IMMEDIATELY FOLLOWING REMOVAL OF THE FALSEWORK.

THE COST OF THE PERMITTED THREADED INSERTS SHALL BE INCLUDED IN THE PRICE BID FOR THE PRECAST UNITS.

THE DRAIN OPENING AT THE GUTTERLINE SHALL BE 4" X 8". THE HEIGHT OF THE BLOCKOUT IN THE VERTICAL CONCRETE BARRIER RAIL SHALL EXTEND FROM THE TOP OF THE CORED SLAB UNIT TO THE TOP OF THE DRAIN OPENING.

APPLY EPOXY PROTECTIVE COATING TO EXTERIOR FACE OF THE EXTERIOR CORED SLAB UNITS THAT REQUIRE DRAINS IN THE BARRIER RAIL.

CONCRETE REI	_E/	ASE	STF	RENGTH
UNIT		PSI		
70' UNITS	5500		00	
GRADE 270 STRANDS				
	0	.6″Ø	L.R.	
AREA (SQUARE INCHES)		0.21	7	
ULTIMATE STRENGTH (LBS.PER STRAND)		58,60	00	
APPLIED PRESTRESS (LBS.PER STRAND)		43,95	0	
				-

			•		4 OUNTY L -
10/7/2016 10/7/2016 Docusigner by G. CHELTHIN Marshall G. Luck Jr. 6549D6EBAA3B405	PRE	RTMENT S 3'-C STRES CORED	TANDAR	nsporta D 2'-0" CONCF	RETE T
	NO. BY:	REV DATE:	ISIONS	DATE:	SHEET NO. S1-7
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	1 2	DATE	NO. BT: 3 4	DATE:	TOTAL SHEETS 46
STR. #1					