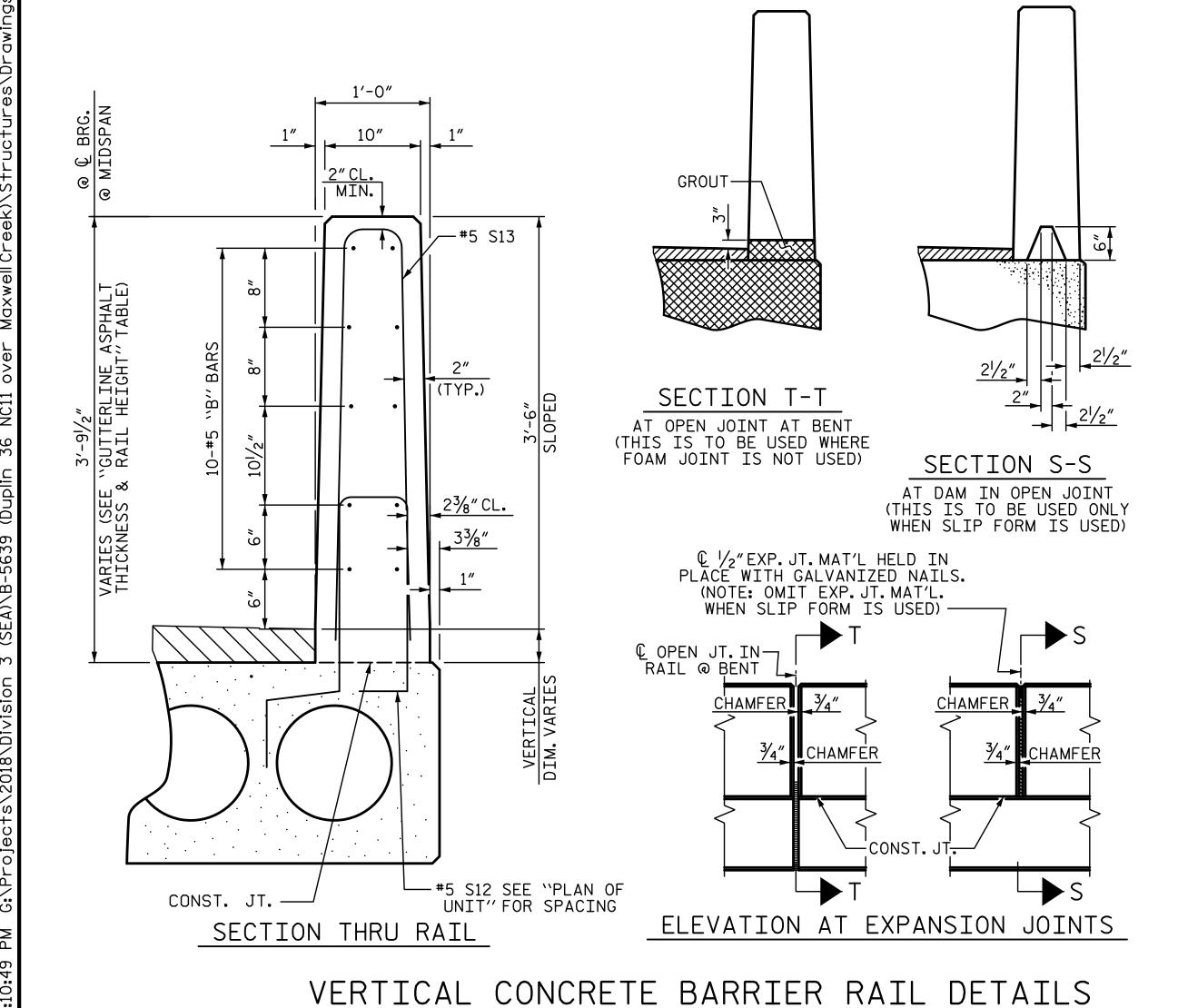
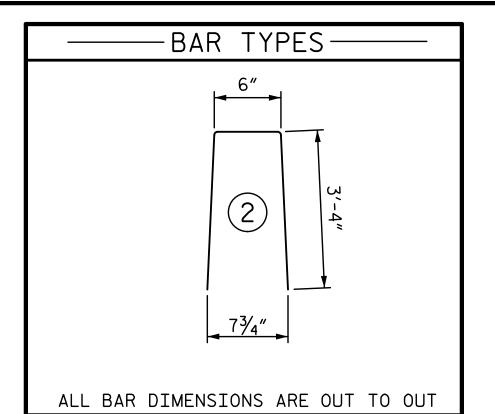
## END OF RAIL DETAILS





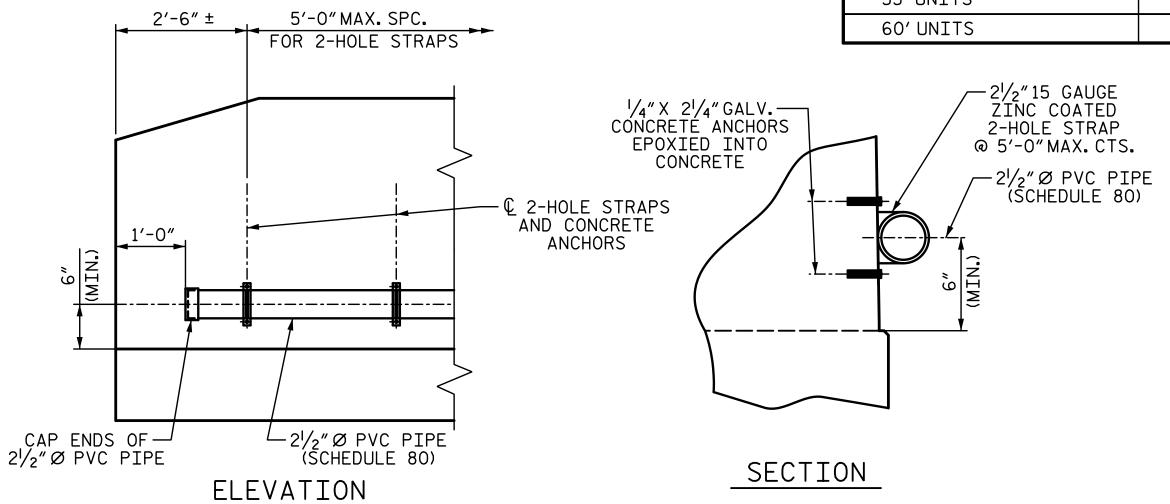
## NOTES:

GROOVED CONTRACTION JOINTS,  $\frac{1}{2}$ " IN DEPTH, SHALL BE TOOLED IN ALL EXPOSED FACES OF THE BARRIER RAIL AND IN ACCORDANCE WITH ARTICLE 825-10(B) OF THE STANDARD SPECIFICATIONS. A CONTRACTION JOINT SHALL BE LOCATED AT EACH THIRD POINT BETWEEN BARRIER RAIL EXPANSION JOINTS. ONLY ONE CONTRACTION JOINT IS REQUIRED AT MIDPOINT OF BARRIER RAIL SEGMENTS LESS THAN 20 FEET IN LENGTH AND NO CONTRACTION JOINTS ARE REQUIRED FOR THOSE SEGMENTS LESS THAN 10 FEET IN LENGTH.

ΒI	LL OF MATERIAL FOR VERTI	CAL CONCI	RETE	BARR	IER R	AIL
BAR	BARS PER PAIR OF EXTERIOR UNITS	TOTAL NO.	SIZE	TYPE	LENGTH	WEIGHT
	55' UNIT					
<b></b> ₩B37	40	80	#5	STR	27'-1"	2260
				_		
*S13	128	256	#5	2	7'-2"	1914
* EPOXY COATED REINFORCING STEEL LBS.						4174
CLASS AA CONCRETE				CU.YDS.		
TOTAL VERTICAL CONCRETE BARRIER RAIL				LN. FT.		220.50
FIBER OPTIC CONDUIT SYSTEM			LN. FT.			216.50

BI	LL OF MATERIAL FOR VERTI	CAL CONC	RETE	BARR	IER R	AIL
BAR	BARS PER PAIR OF EXTERIOR UNITS	TOTAL NO.	SIZE	TYPE	LENGTH	WEIGHT
	60' UNIT					
<b></b> ₩B38	40	40	#5	STR	29'-7"	1234
<b>*</b> S13	136	136	#5	2	7′-2″	1017
* EPOXY COATED REINFORCING STEEL LBS.				2251		
CLASS	AA CONCRETE		CU.YDS.			15.6
TOTAL	TOTAL VERTICAL CONCRETE BARRIER RAIL		LN. FT.			120.25
FIBER	OPTIC CONDUIT SYSTEM			LN. FT.		120.25

OUTTENE AST	HALT THICKNESS & RAI	L HEIGHT
	ASPHALT OVERLAY THICKNESS @ MID-SPAN	RAIL HEIGHT @ MID-SPAN
55' UNITS	2"	3′-8″
60' UNITS	15/8″	3′-75⁄8″



 $2^{1}\!/_{2}$ "Ø SCHEDULE 80 PVC PIPE ATTACHED TO THE BACK OF BOTH RAILS FOR FUTURE FIBER OPTIC CABLE.

PLANS PREPARED BY: SIMPSON NGINEERS ASSOCIATES

5640 Dillard Drive Suite 200 Cary, NC 27518 (919) 852-0468 (919) 852-0598 (Fax) www.simpsonengr.com 4/7/2020 LICENSURE NO. C-2521

**UNLESS ALL SIGNATURES COMPLETED** 

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH SUPERSTRUCTURE 3'-0" X 2'-0" PRESTRESSED CONCRETE

PROJECT NO. \_

STATION:

SHEET 5 OF 5

DUPLIN

90° SKEW

CORED SLAB UNIT

SHEET NO. **REVISIONS** S-11 NO. BY: DATE: DATE: BY: TOTAL SHEETS 25

B-5639

23+55.00 -L-

COUNTY

FIBER OPTIC CONDUIT SYSTEM DETAILS

**DOCUMENT NOT CONSIDERED FINAL** 

\_\_ DATE: 2-20 \_\_ DATE: 2-20 \_\_ DATE: 2-20 T. BANKOVICH CHECKED BY: J.A. BATTS