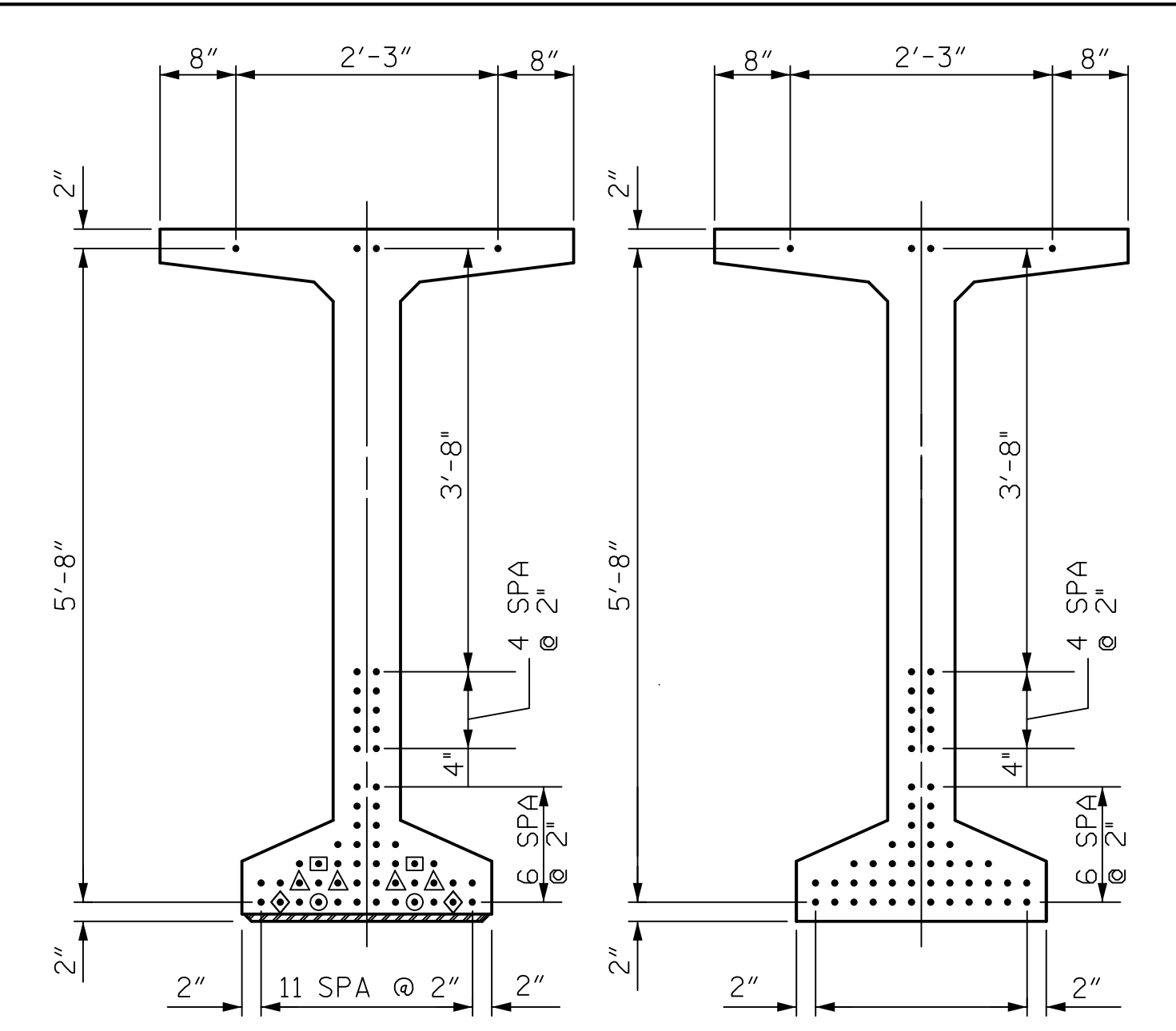


1/2" Ø FORMED HOLE. SEE ELEVATION FOR LOCATION. FOR DIM. 'A', 'B' & 'C' SEE "INTERMEDIATE STEEL DIAPHRAGMS" SHEET.

DEBONDING LEGEND

- FULLY BONDED STRANDS
- STRANDS DEBONDED FOR 4'-0" FROM END OF GIRDER
- STRANDS DEBONDED FOR 16'-0" FROM END OF GIRDER
- STRANDS DEBONDED FOR 28'-0" FROM END OF GIRDER
- STRANDS DEBONDED FOR 40'-0" FROM END OF GIRDER



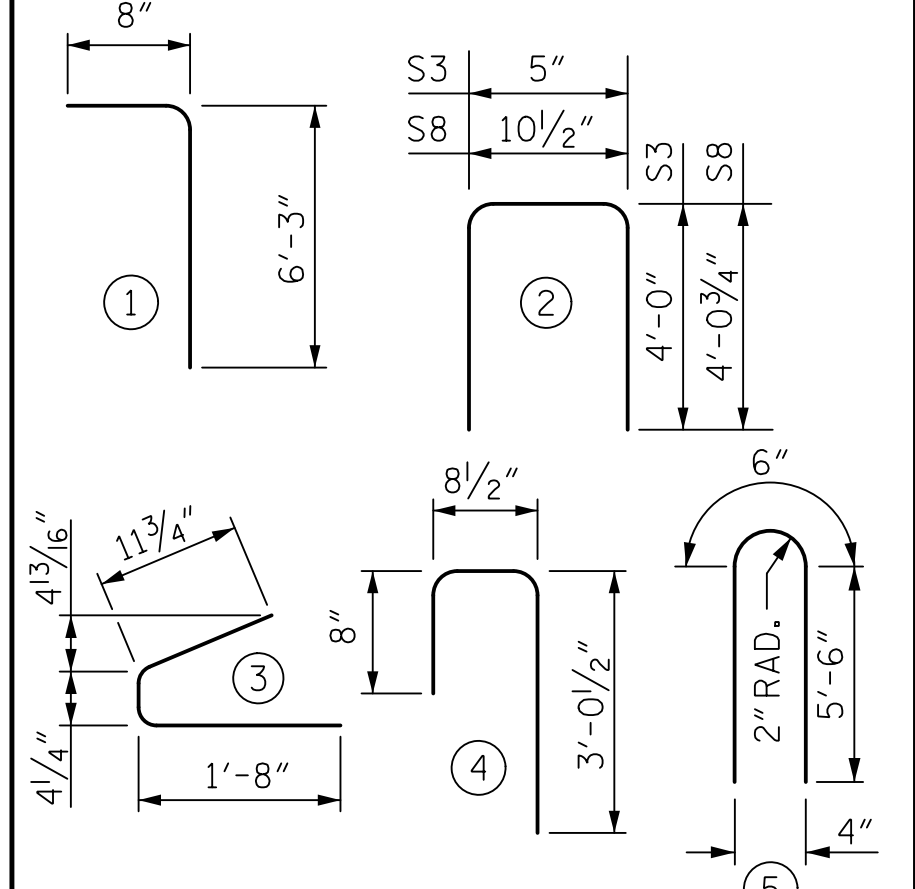
AT END OF GIRDER AT CL OF GIRDER  
0.6" Ø LOW RELAXATION STRAND LAYOUT

0.6" Ø L. R. GRADE 270 STRANDS		
AREA (SQUARE INCHES)	ULTIMATE STRENGTH (LBS. PER STRAND)	APPLIED PRESTRESS (LBS. PER STRAND)
0.217	58,600	43,950

REINFORCING STEEL FOR ONE GDR					
BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT
S1	270	#4	1	6'-11"	1247
S2	28	#6	1	6'-11"	291
S3	14	#4	2	8'-5"	79
S4	84	#4	3	3'-0"	168
S6	326	#5	4	4'-5"	1502
* S7	40	#5	STR	3'-8"	153
S8	2	#5	2	9'-0"	19
S9	119	#5	STR	3'-3"	403
S10	2	#3	STR	1'-10"	1
S11	8	#5	5	11'-6"	96
S12	16	#4	STR	8'-0"	86

\* NOTE: S7 BARS SHALL BE BENT BEFORE SHIPMENT. HEAT BENDING SHALL NOT BE ALLOWED.

BAR TYPES

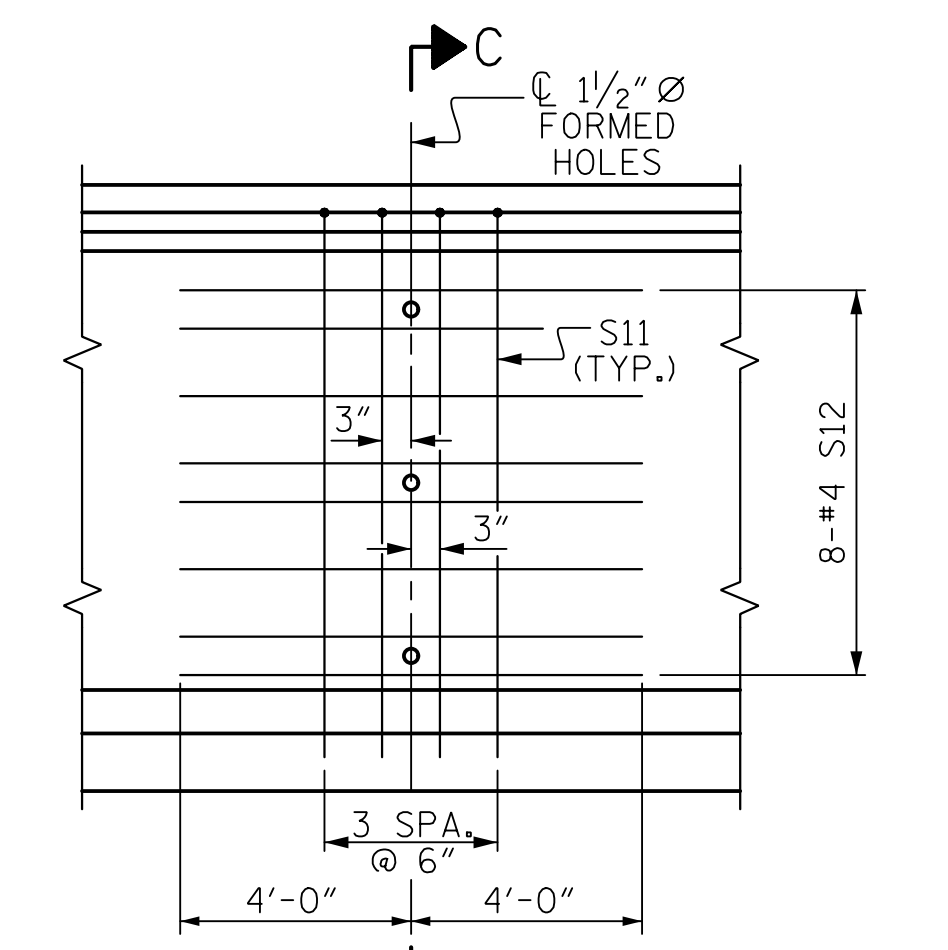


ALL BAR DIMENSIONS ARE OUT-TO-OUT

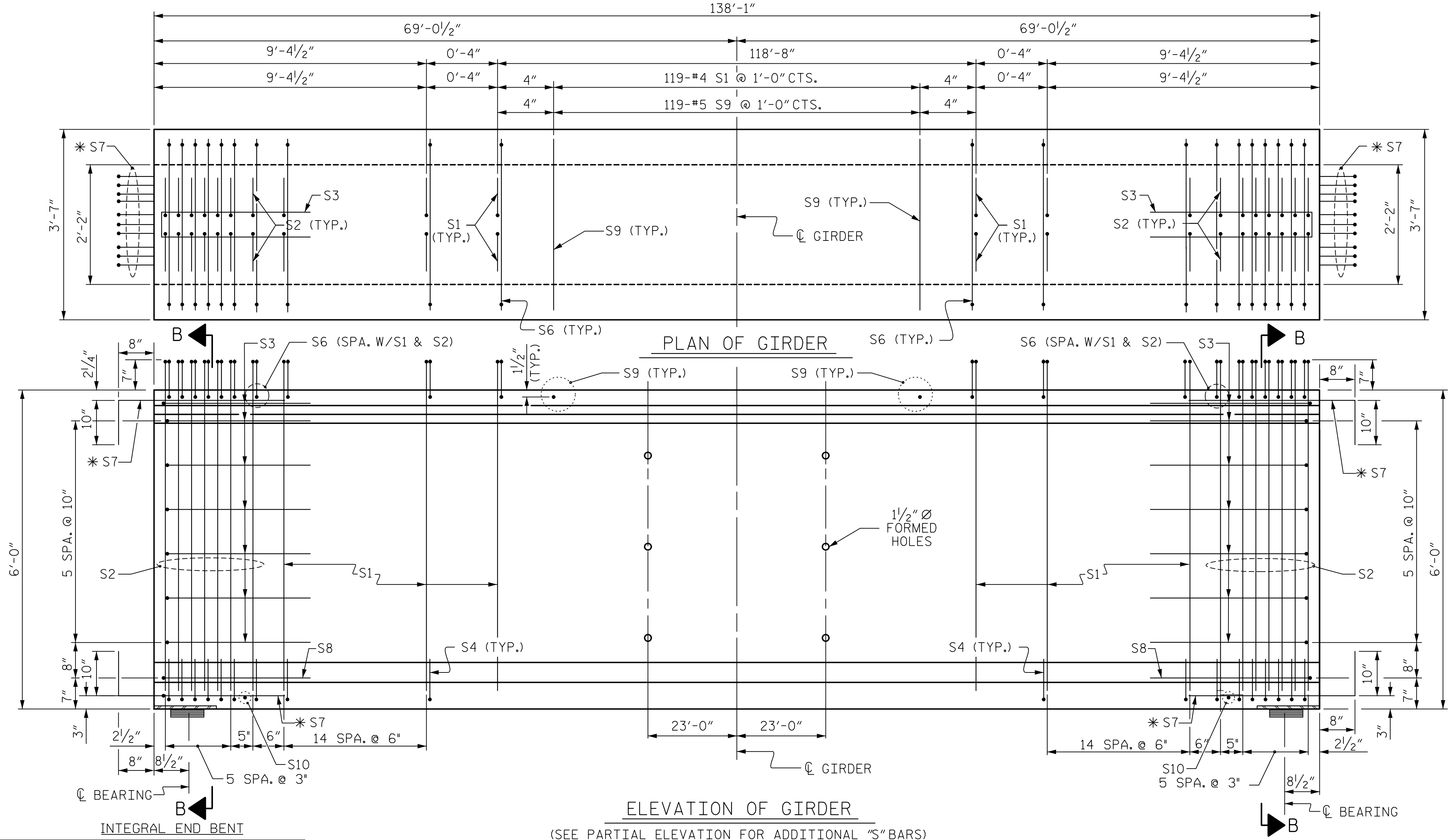
QUANTITIES FOR ONE GIRDER			
GIRDER	REINFORCING STEEL	10,000 PSI CONCRETE	0.6" Ø L.R. STRANDS
	LB.	C.Y.	No.
GIRDER	4045	29.6	56

GIRDERS REQUIRED

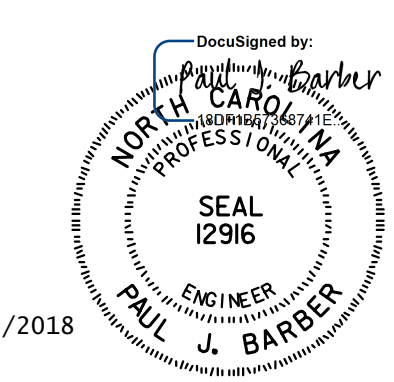
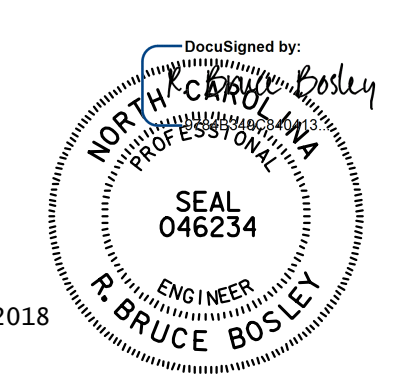
NUMBER	LENGTH	TOTAL LENGTH
9	138'-1"	1242'-9"



PARTIAL ELEVATION  
SHOWING INTERMEDIATE STEEL DIAPHRAGM REINFORCING STEEL



ELEVATION OF GIRDER  
(SEE PARTIAL ELEVATION FOR ADDITIONAL "S" BARS)



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

ASSEMBLED BY : JVE	DATE : 12/17
CHECKED BY : RBB	DATE : 12/17
DRAWN BY : EEM 2/6/97	REV. 10/1/11
CHECKED BY : VAP 2/6/97	REV. 6/13
	REV. 1/15
	MAA/GM
	MAA/GM
	MAA/TMG

<b>HNTB</b>		HNTB NORTH CAROLINA, P.C.	
		NC License No. C-1554	
		343 E. Six Forks Rd., Suite 200, Raleigh, N.C. 27609	
DRAWN BY :	L. WATERS	DATE :	6/18
CHECKED BY :	B. BOSLEY	DATE :	6/18
DESIGN ENGINEER OF RECORD :	B. BOSLEY	DATE :	12/18
		DWG. NO. 10	

PROJECT NO. R-5021  
BRUNSWICK COUNTY  
STATION: POC 31+30.81 -YREV-

SHEET 1 OF 3  
STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH  
STANDARD  
72" PRESTRESSED CONCRETE  
MODIFIED BULB TEE

REVISIONS					SHEET NO. S3-10
NO.	BY	DATE	NO.	DATE	
1			3		TOTAL SHEETS 25
2			4		