

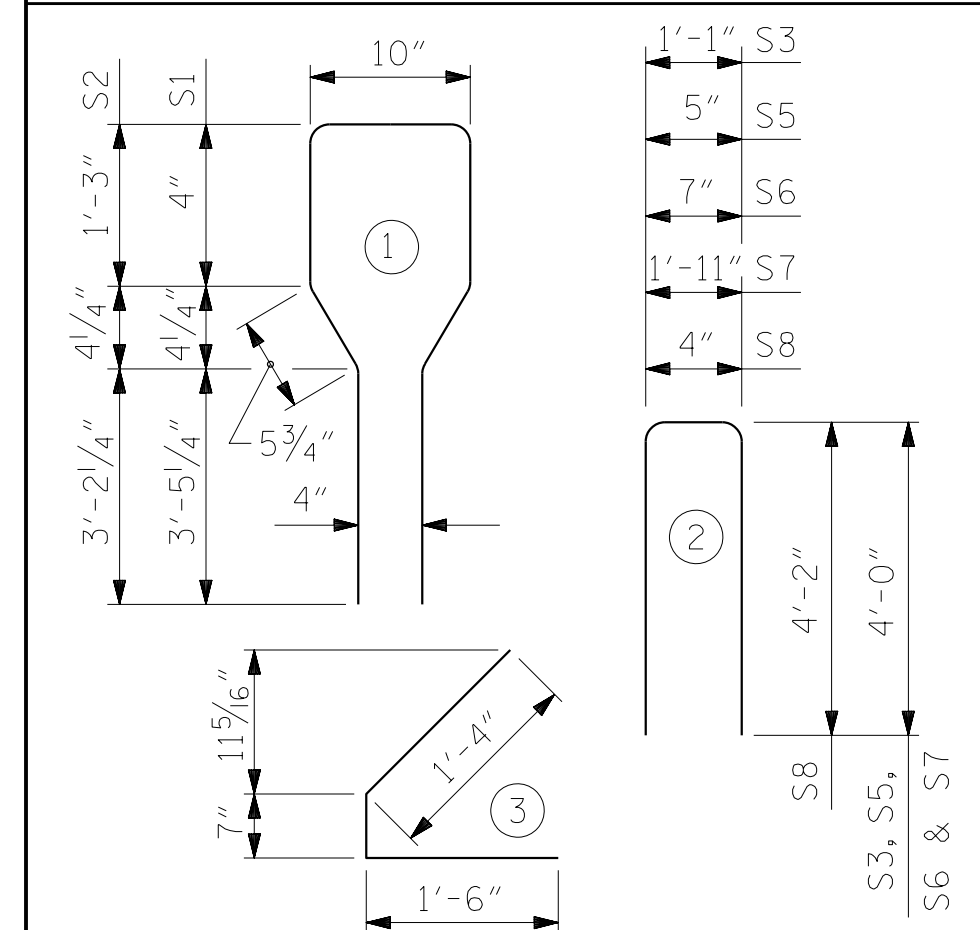
DEBONDING LEGEND

- FULLY BONDED STRANDS
- ▲ STRANDS DEBONDED FOR 5'-0" FROM END OF GIRDER
- STRANDS DEBONDED FOR 7'-0" FROM END OF GIRDER
- STRANDS DEBONDED FOR 9'-0" FROM END OF GIRDER

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 GIRDER					
BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT
S1	32	#6	1	9'-4"	449
S2	106	#4	1	10'-8"	756
S3	4	#4	2	9'-1"	24
S4	84	#4	3	3'-5"	192
S5	6	#4	2	8'-5"	34
S6	4	#4	2	8'-7"	23
S7	2	#4	2	9'-11"	13
S8	2	#5	2	8'-8"	18
S9	5	#4	STR.	7'-0"	23

BAR TYPES

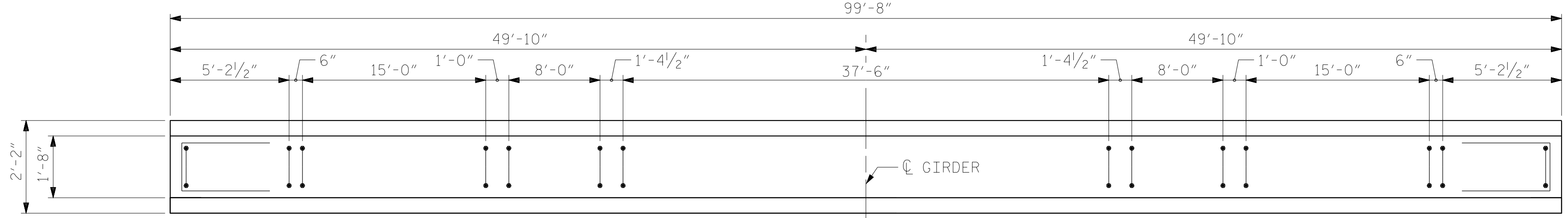


QUANTITIES FOR ONE GIRDER

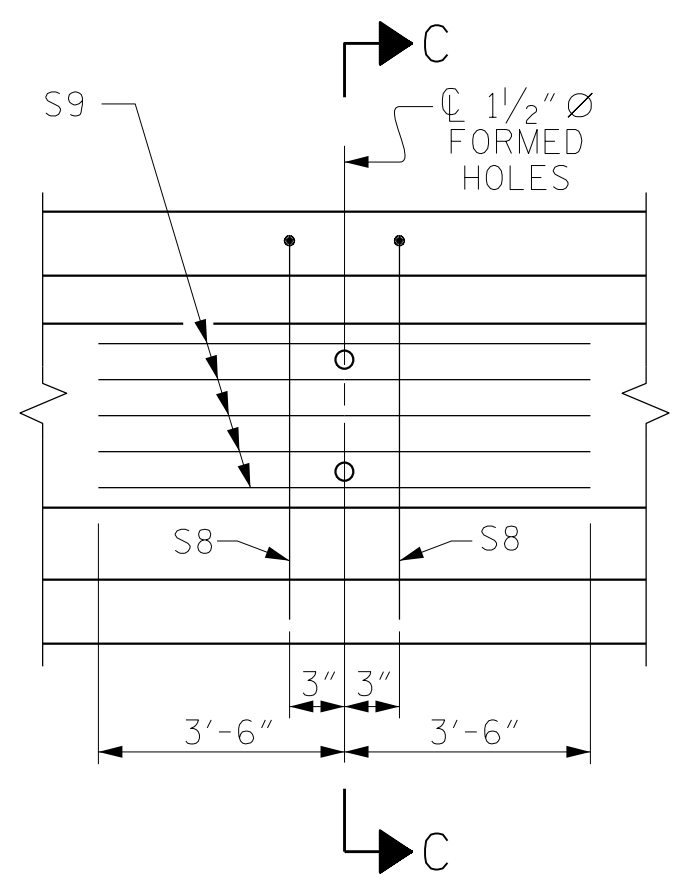
	REINFORCING STEEL	8000 PSI CONCRETE	0.6" Ø L. R. STRANDS
	LB.	C.Y.	No.
SPAN B & E	1,532	20.2	36

GIRDERS REQUIRED

NUMBER	LENGTH	TOTAL LENGTH
8	99'-8"	797'-4"

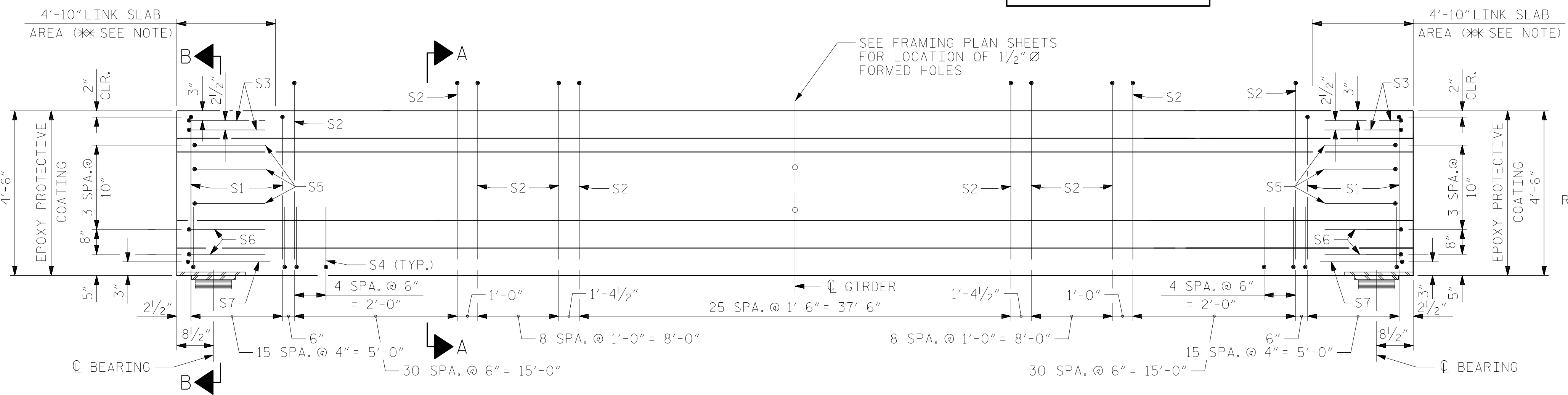


\*\* DO NOT RAKE TOP OF GIRDER IN THIS AREA



PARTIAL ELEVATION

SHOWING INTERMEDIATE DIAPHRAGM REINFORCING STEEL FOR GIRDER NO. 1 THRU 4



ELEVATION OF GIRDER

DRAWN BY : TWL DATE : 06/2019  
 CHECKED BY : JMR DATE : 06/2019  
 DESIGN ENGINEER OF RECORD : MAL DATE : 06/2019

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH

STANDARD  
 AASHTO TYPE IV  
 PRESTRESSED CONCRETE GIRDER  
 SPANS B & E

REVISIONS						SHEET NO. S1-16
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			TOTAL SHEETS 37
2			4			