

0.6" Ø LOW RELAXATION STRAND LAYOUT

DEBONDING LEGEND

▲ STRANDS DEBONDED FOR 12'- 0" FROM END OF GIRDER

SECTION A-A

SECTION B-B

SECTION C-C  
(S1 BARS NOT SHOWN)

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

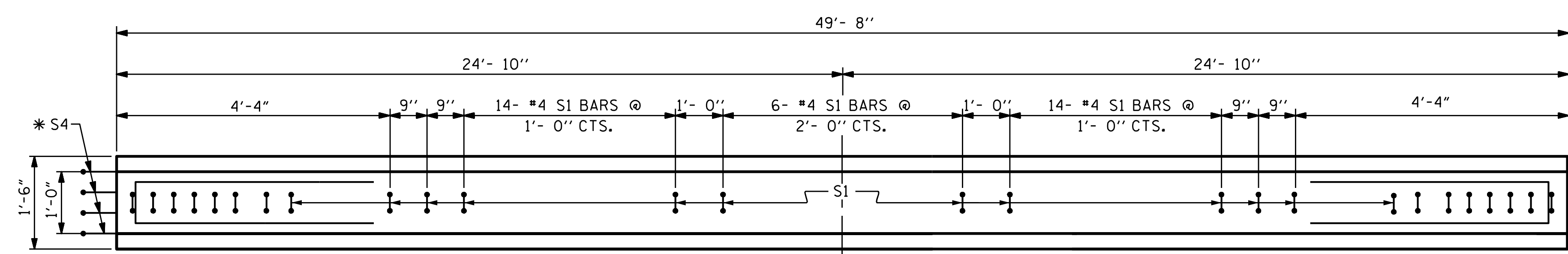
REINFORCING STEEL FOR ONE GIRDER					
BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT
S1	44	#4	1	6'-10"	201
S3	4	#4	3	8'-8"	23
S5	44	#4	2	2'-4"	69
S6	2	#4	3	9'-2"	12
S7	16	#5	3	5'-8"	95
S8	5	#4	STR	7'-0"	23

BAR TYPES					
ALL BAR DIMENSIONS ARE OUT-TO-OUT					

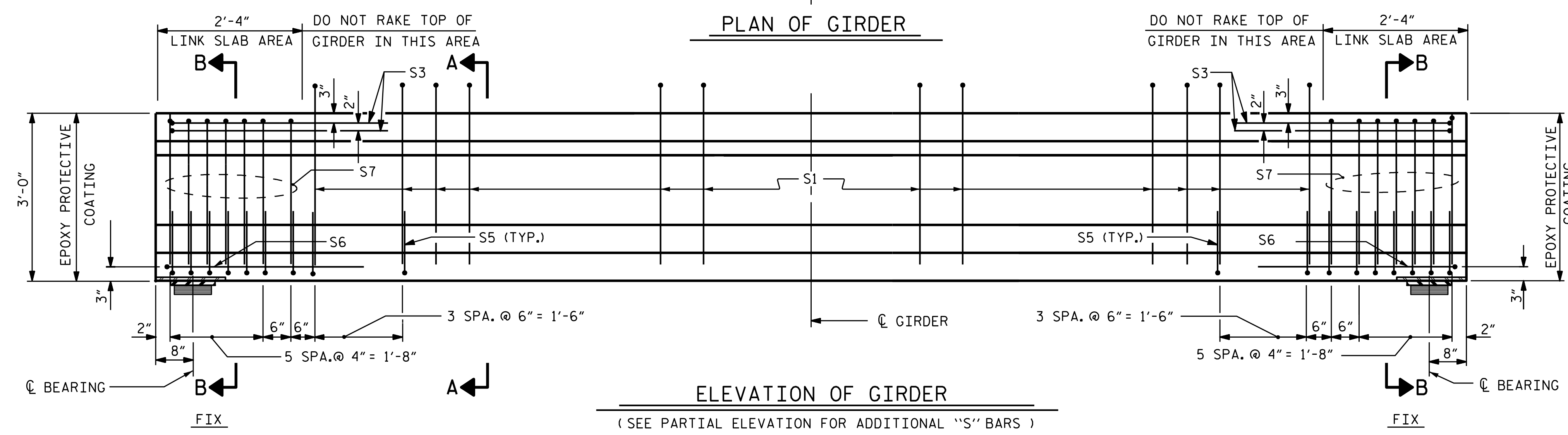
QUANTITIES FOR ONE GIRDER

REINFORCING STEEL	7500 PSI CONCRETE	0.6" Ø L. R. STRANDS
LBS.	C.Y.	No.
423	4.7	26

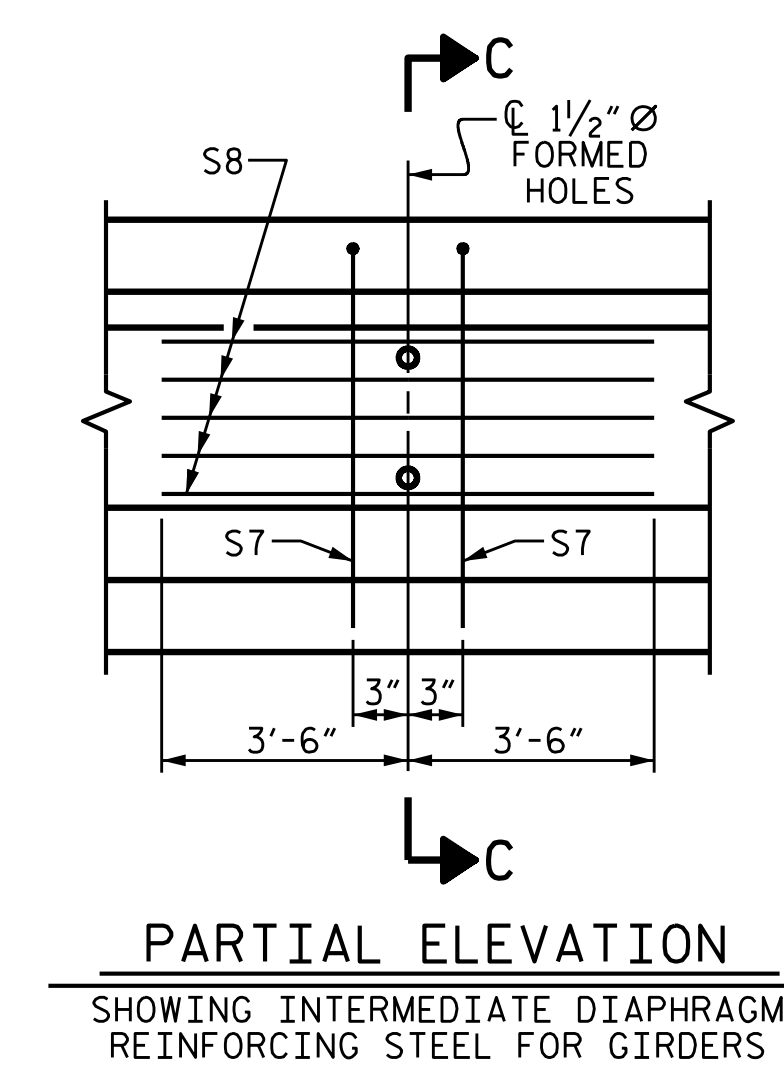
GIRDERS REQUIRED		
NUMBER	LENGTH	TOTAL LENGTH
4	49'- 8"	198'- 8"



PLAN OF GIRDER



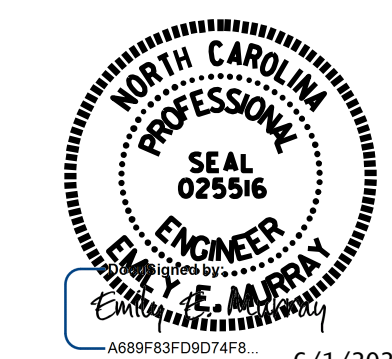
ELEVATION OF GIRDER  
(SEE PARTIAL ELEVATION FOR ADDITIONAL "S" BARS)



PARTIAL ELEVATION  
SHOWING INTERMEDIATE DIAPHRAGM REINFORCING STEEL FOR GIRDERS

PROJECT NO. B-4593  
PAMLICO COUNTY  
 STATION: 17+02.00 -L-

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH  
 STANDARD  
 AASHTO TYPE II  
 PRESTRESSED CONCRETE GIRDER  
 LINK SLAB  
 (SPAN B)



REVISIONS					SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		

ASSEMBLED BY :	D. A. GLADDEN	DATE :	11/18
CHECKED BY :	D. R. SMITH	DATE :	11/18
DESIGN ENGINEER OF RECORD :	D. R. SMITH	DATE :	11/18
DRAWN BY :	ELR 8/91	REV. 10/1/11	MAA/GM
CHECKED BY :	GRP 8/91	REV. 1/15	MAA/TMG
		REV. 12/17	MAA/THC

**VOLKERT**  
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DOCUMENT NOT CONSIDERED  
 FINAL UNLESS ALL  
 SIGNATURES COMPLETED