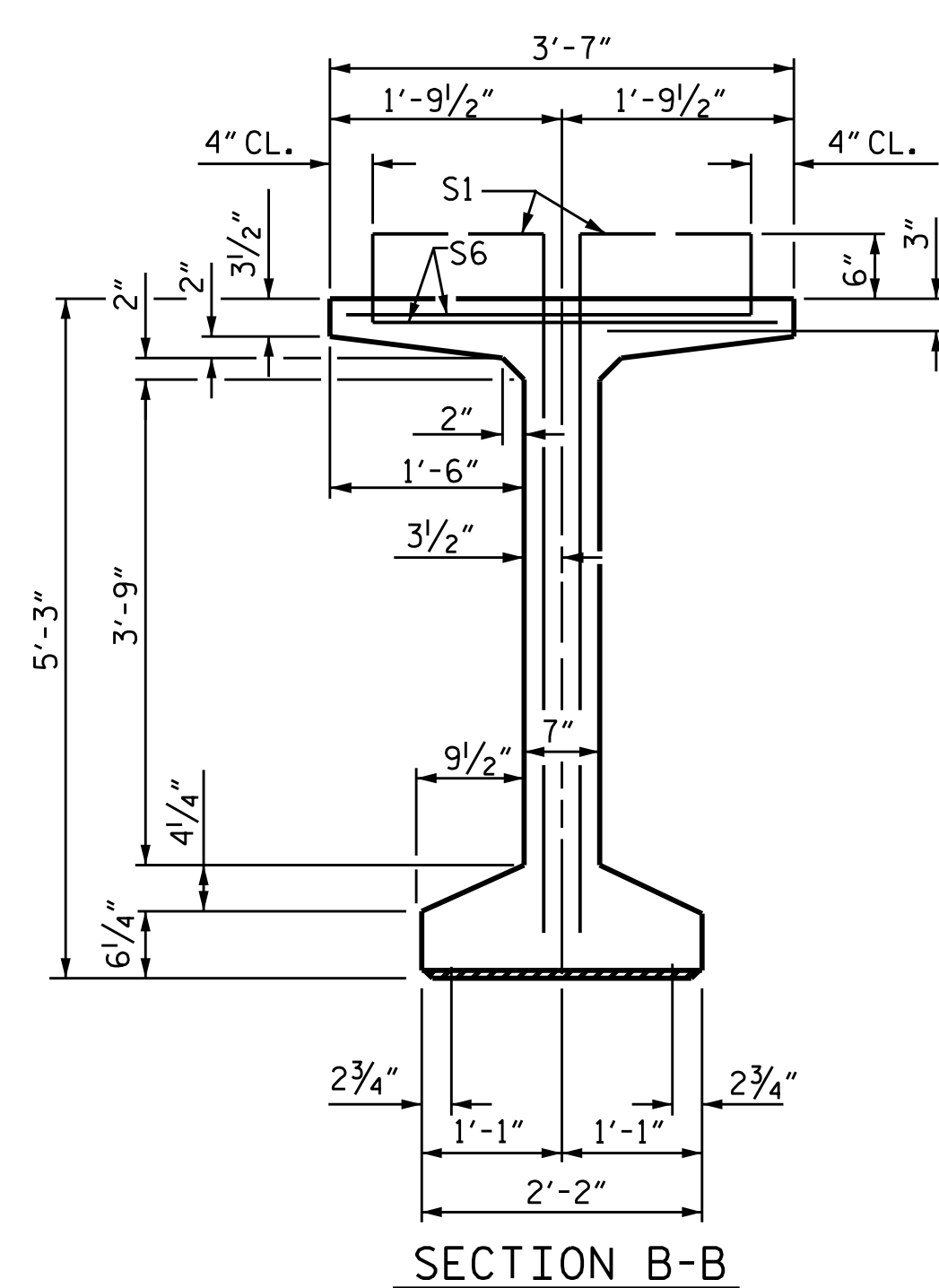
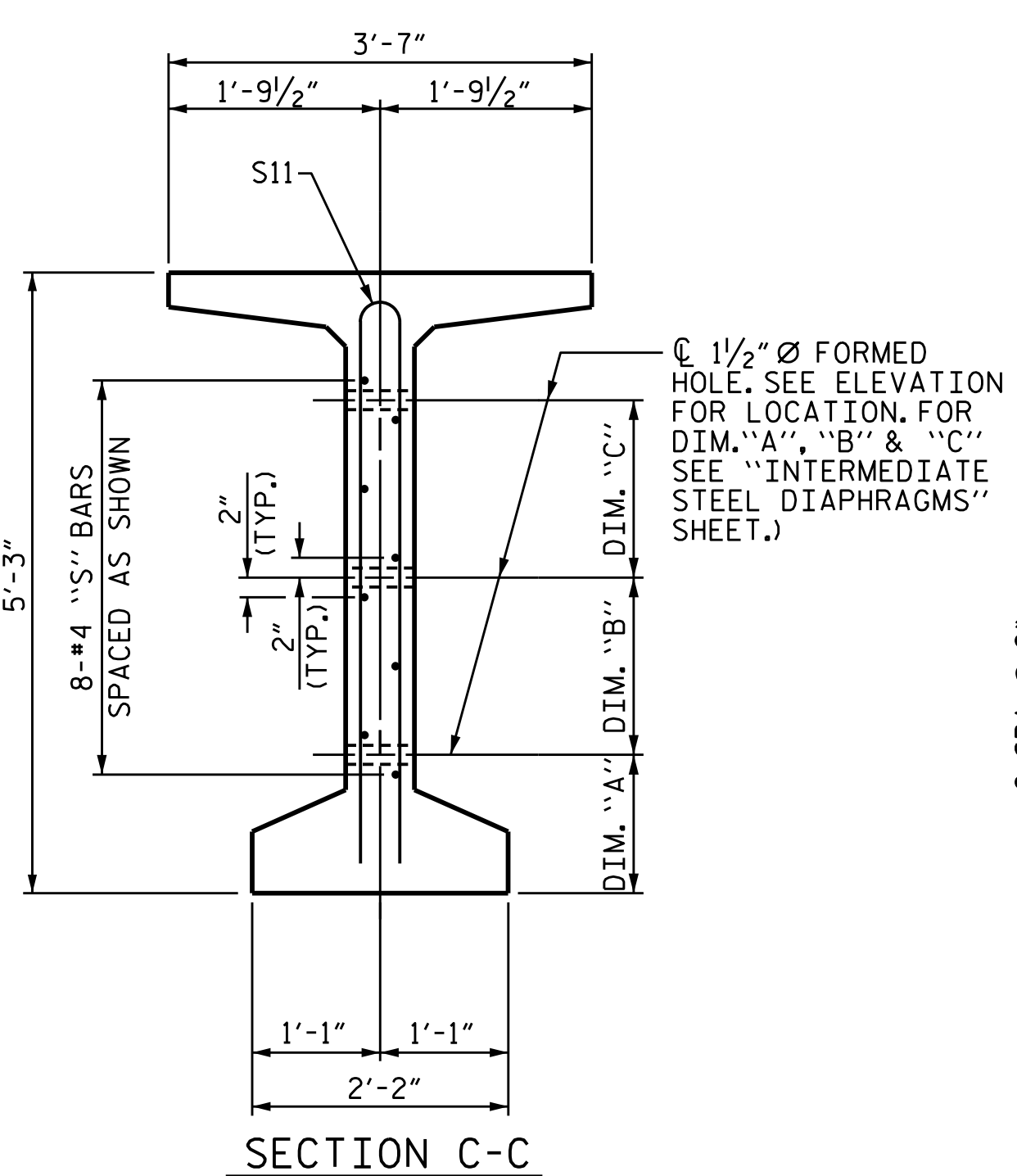


SECTION A-A

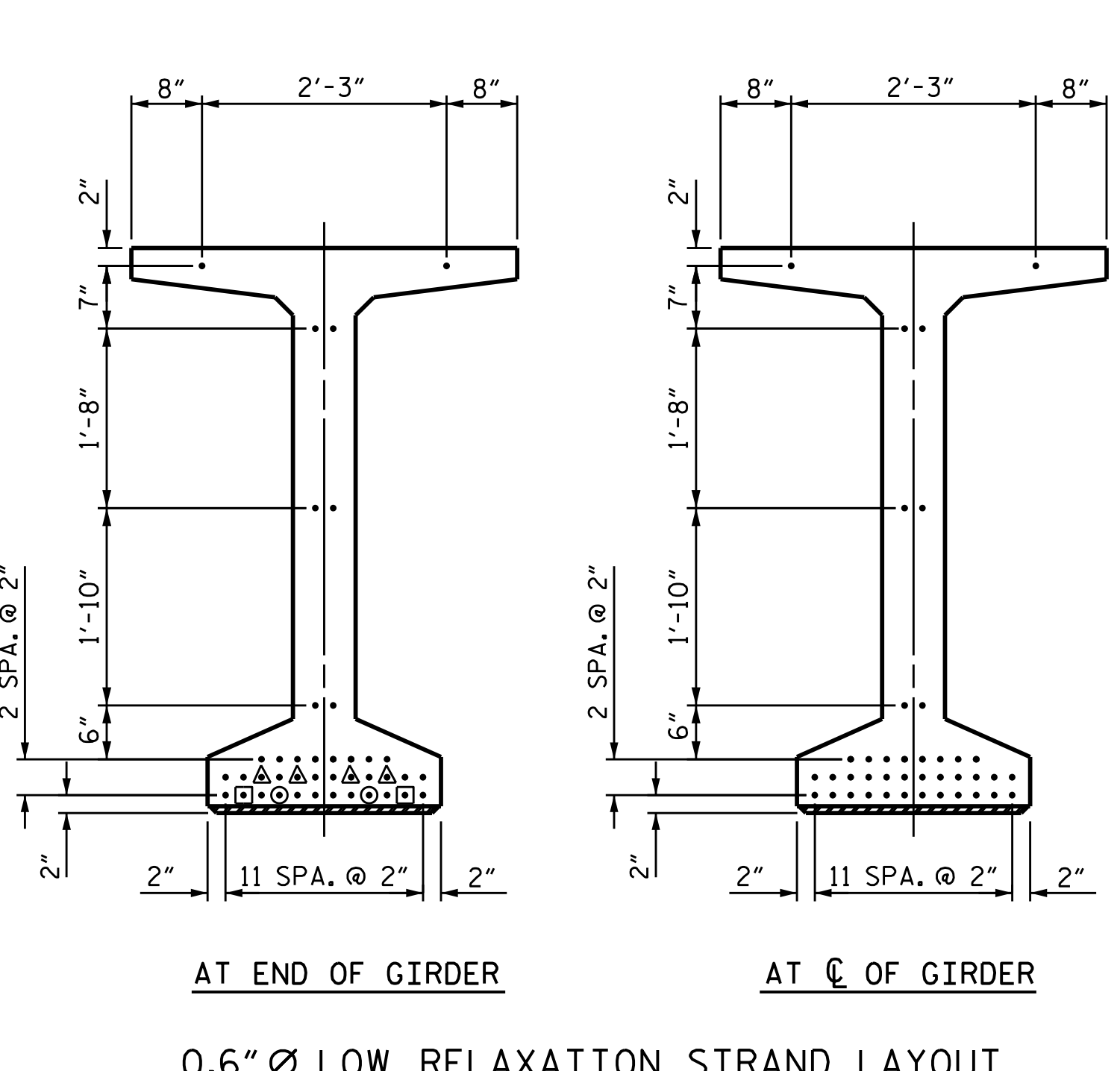


SECTION B-B



SECTION C-C

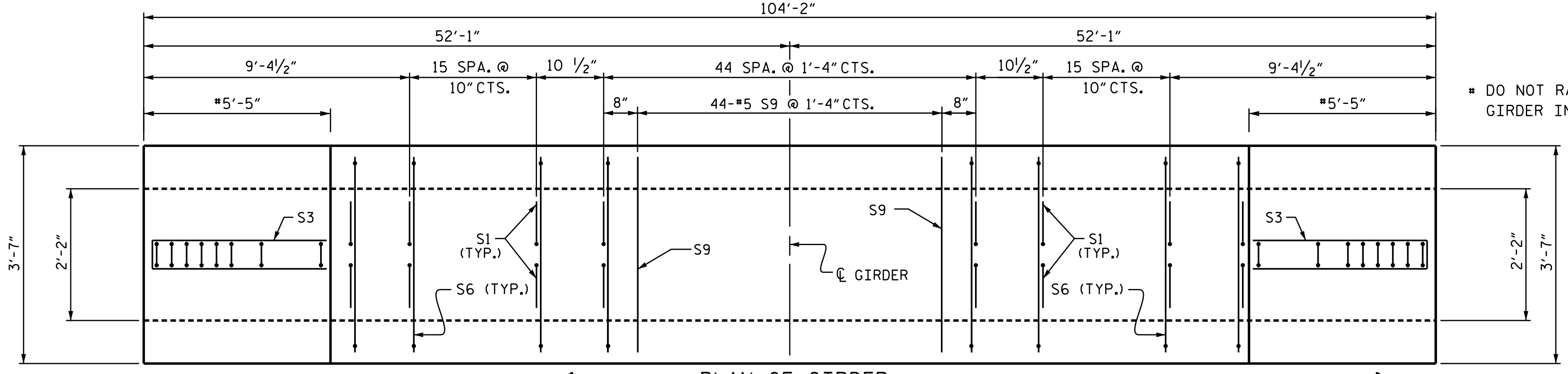
(S1, S6 AND S9 BARS NOT SHOWN)



AT END OF GIRDER

AT C OF GIRDER

0.6" Ø LOW RELAXATION STRAND LAYOUT

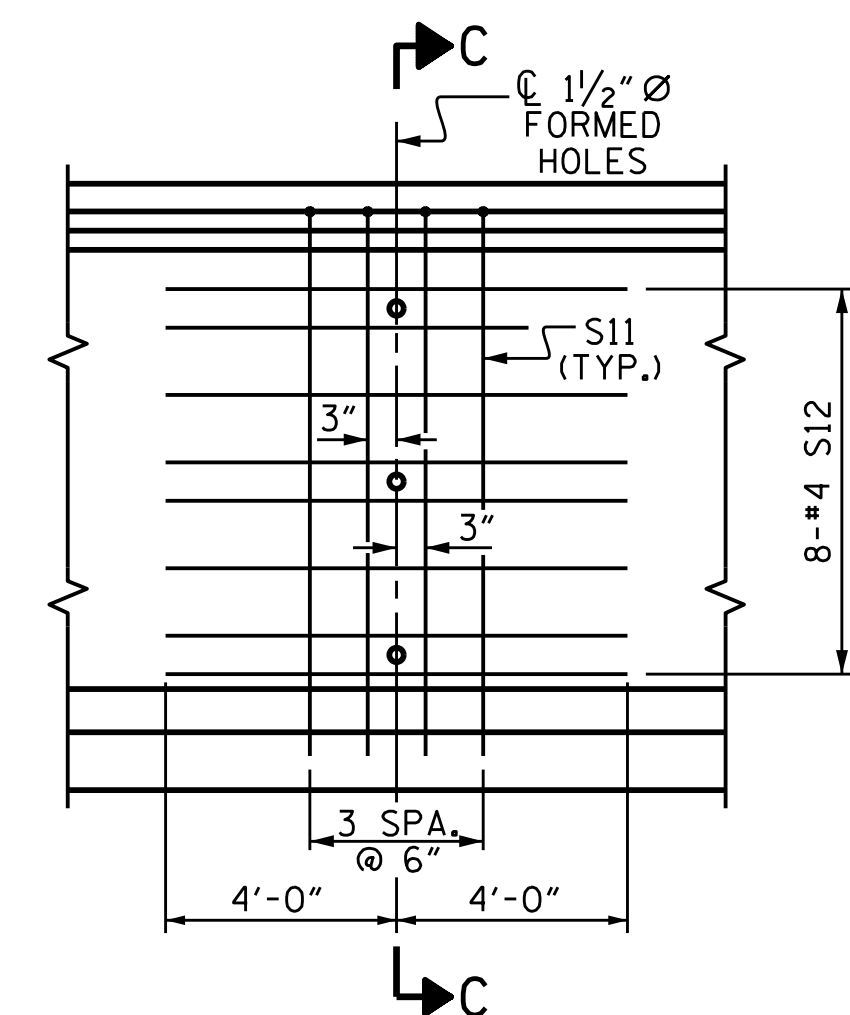


PLAN OF GIRDER

DO NOT RAKE TOP OF THE GIRDER IN THIS AREA

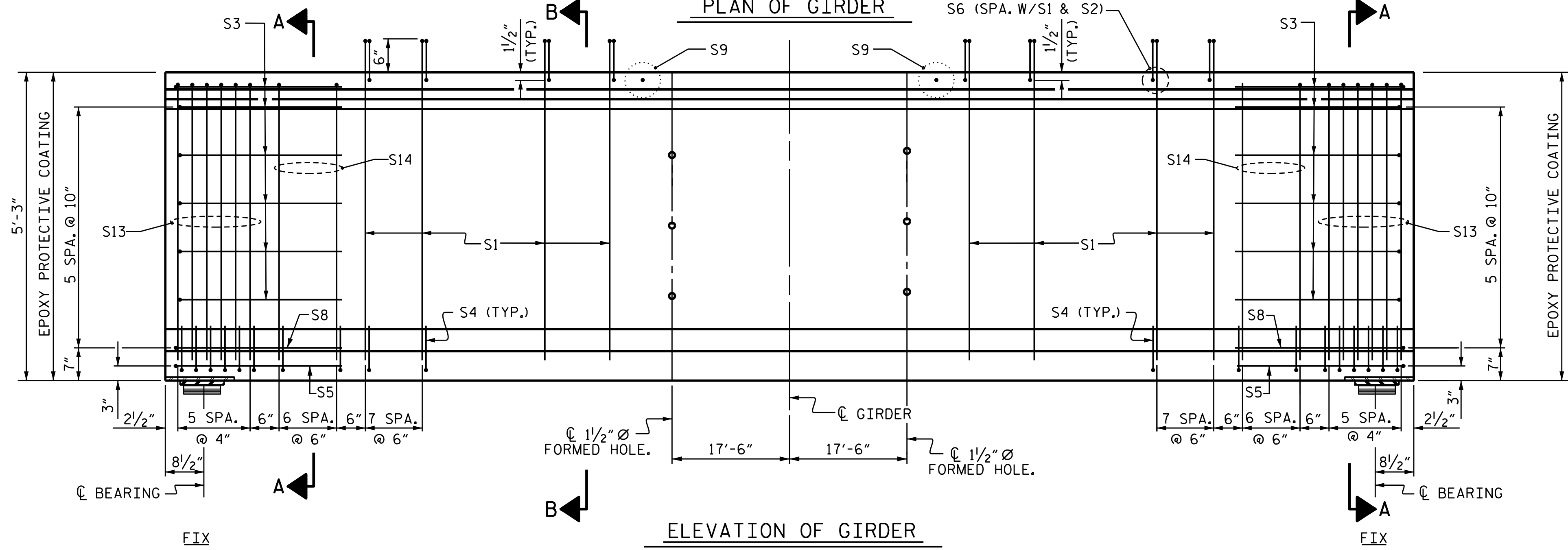
DEBONDING LEGEND

- FULLY BONDED STRANDS
- STRANDS DEBONDED FOR 10'-0" FROM END OF GIRDER
- STRANDS DEBONDED FOR 20'-0" FROM END OF GIRDER
- STRANDS DEBONDED FOR 16'-0" FROM END OF GIRDER



PARTIAL ELEVATION

SHOWING INTERMEDIATE STEEL DIAPHRAGM REINFORCING STEEL FOR ALL GIRDERS



ELEVATION OF GIRDER

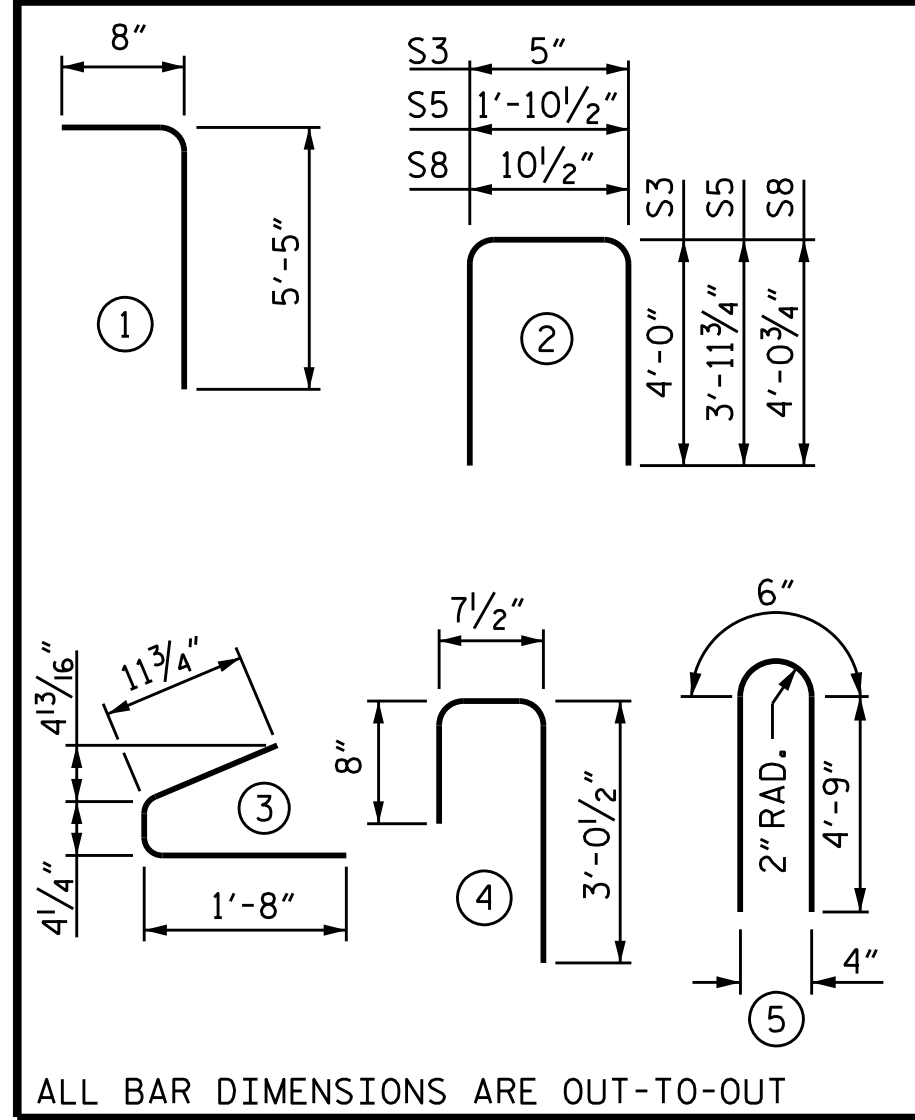
0.6" Ø L. R. GRADE 270 STRANDS

AREA (SQUARE INCHES)	ULTIMATE STRENGTH (LBS. PER STRAND)	APPLIED PRESTRESS (LBS. PER STRAND)
0.217	58,600	43,950

REINFORCING STEEL FOR ONE GDR

BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT
S1	182	#4	1	6'-1"	740
S3	12	#4	2	8'-5"	67
S4	84	#4	3	3'-0"	168
S5	2	#5	2	9'-10"	21
S6	182	#5	4	4'-4"	823
S8	2	#5	2	9'-0"	19
S9	44	#5	STR	3'-3"	149
S11	8	#5	5	10'-0"	83
S12	16	#4	STR	8'-0"	86
S13	12	#5	5	10'-0"	125
S14	14	#4	5	10'-0"	94

BAR TYPES



QUANTITIES FOR ONE GIRDER

REINFORCING STEEL	7,500 PSI CONCRETE	0.6" Ø L.R. STRANDS
LB.	C.Y.	No.
2375	20.6	40

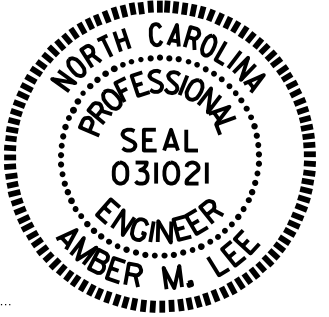
GIRDERS REQUIRED

NUMBER	LENGTH	TOTAL LENGTH
4	104'-2"	416'-8"

PROJECT NO. BR-0048  
 SURRY COUNTY  
 STATION: 18+50.00 -L-

SHEET 2 OF 5

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH  
 STANDARD  
 63" PRESTRESSED CONCRETE  
 MODIFIED BULB TEE  
 CONTINUOUS FOR LIVE LOAD  
 (SPAN B)



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-13
1			3			TOTAL SHEETS 33
2			4			

ASSEMBLED BY :	M. G. SHAIKH	DATE :	12/2020
CHECKED BY :	J. A. TILLMAN	DATE :	02/2021
DRAWN BY :	EEM 2/6/97	REV. 6/13	MAA/GM
CHECKED BY :	VAP 2/6/97	REV. 1/15	MAA/TMG
		REV. 12/17	MAA/THC