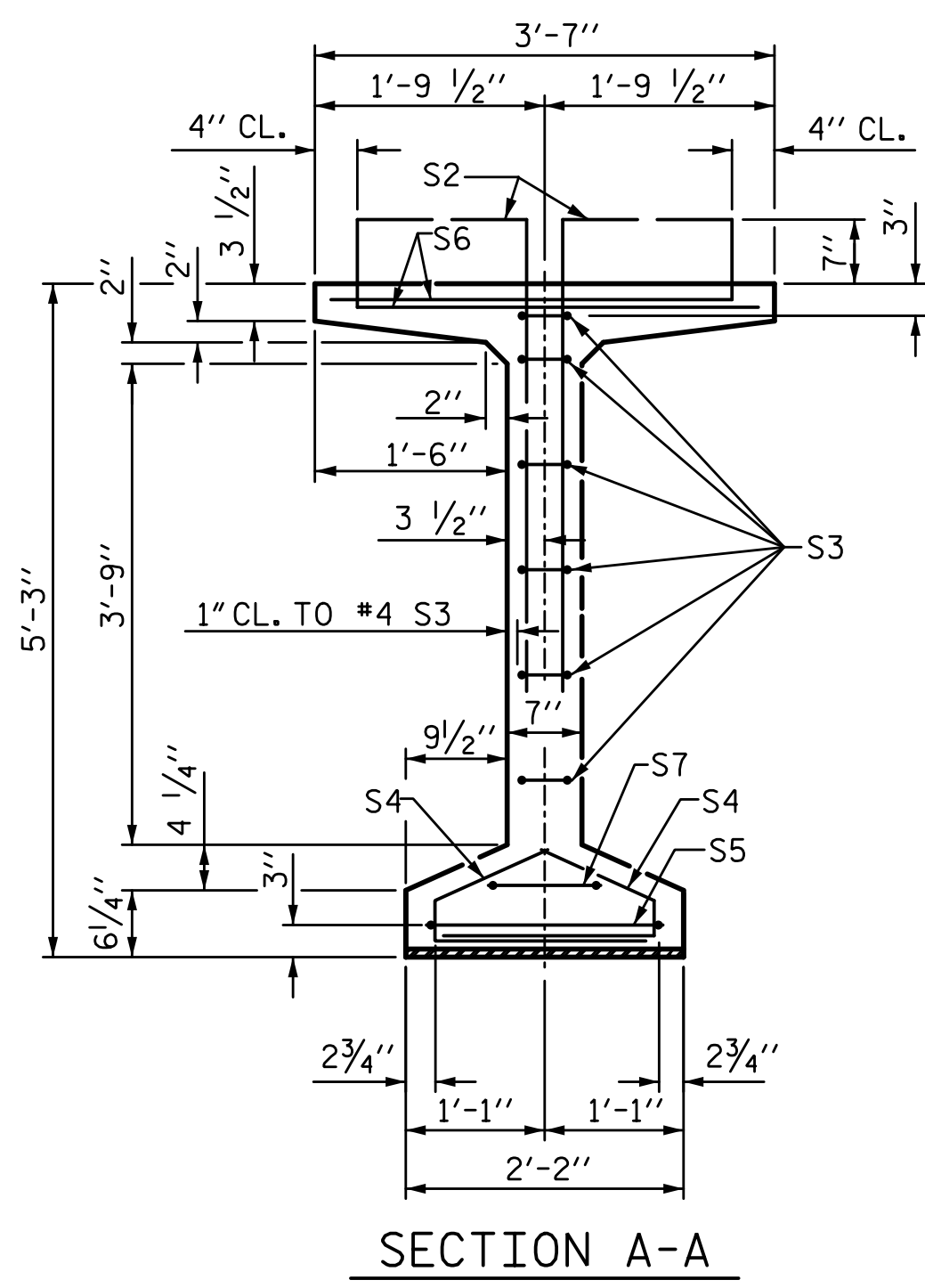
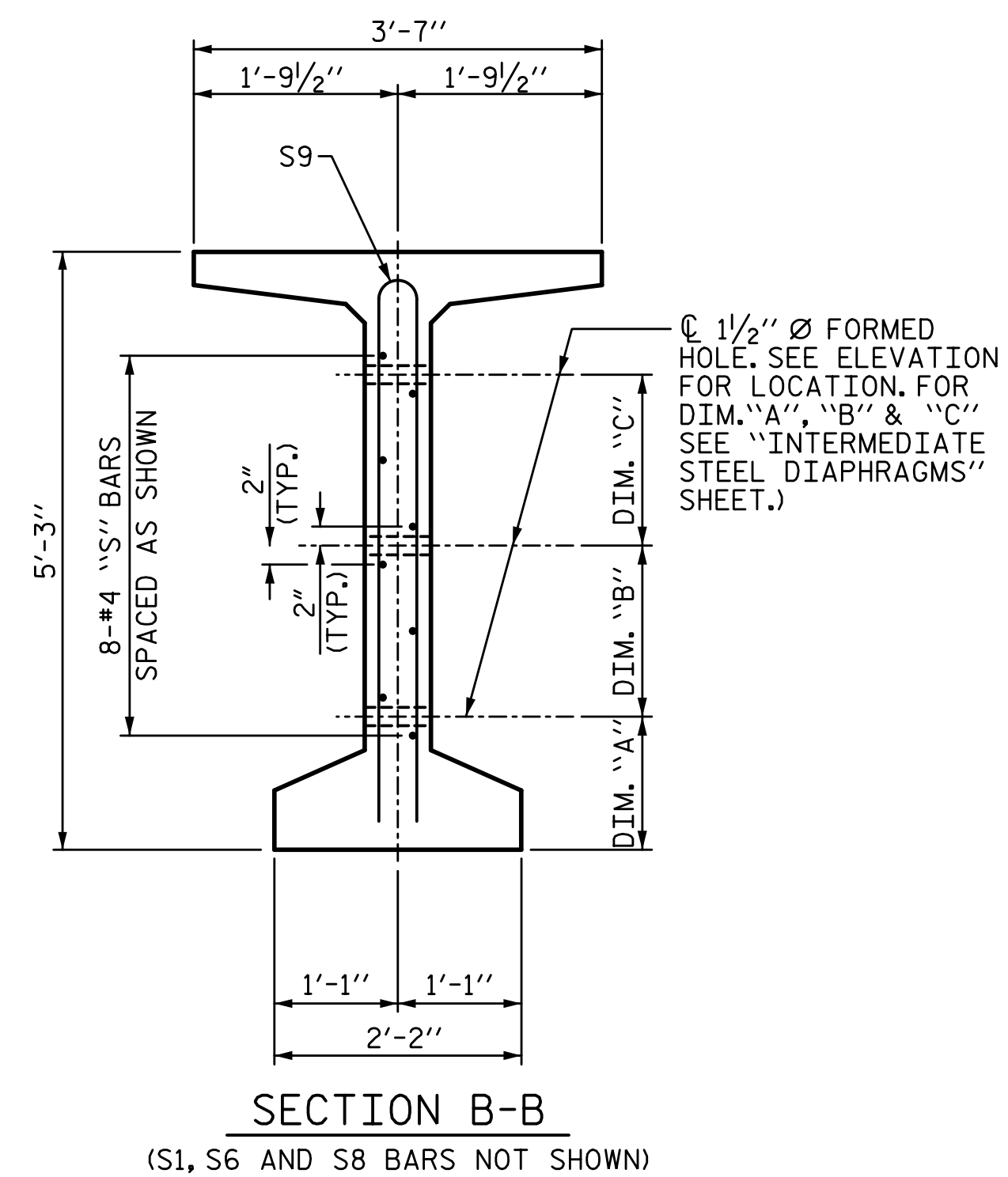


12/21/2017 4:01:36 PM G:\Projects\2016\U-2525C (Greensboro Eastern Loop)\Drawings\Final\Left Lane\U2525C_SMU_PCG_Site 6_L.T.dgn



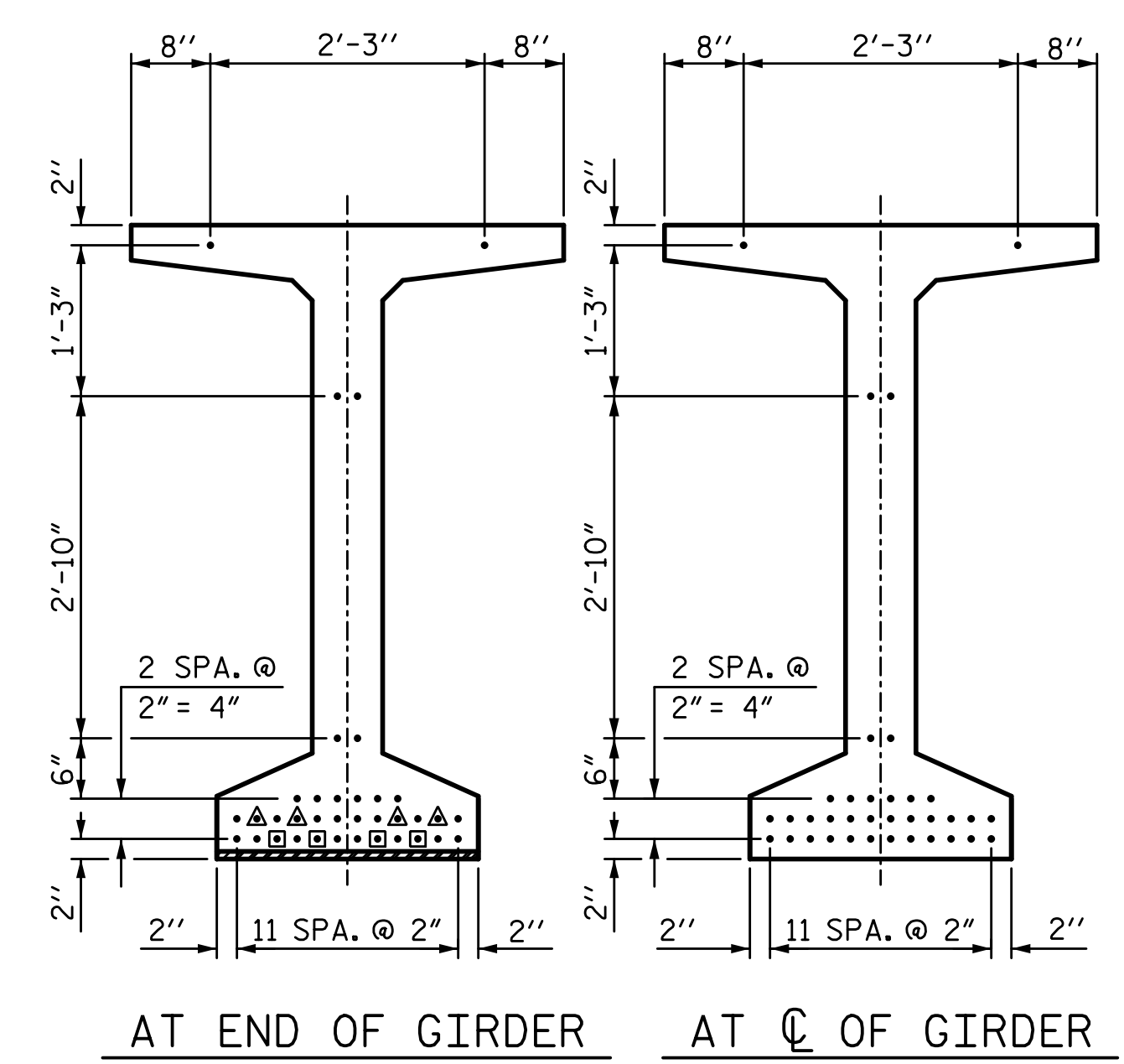
SECTION A-A



SECTION B-B
(S1, S6 AND S8 BARS NOT SHOWN)

DEBONDING LEGEND

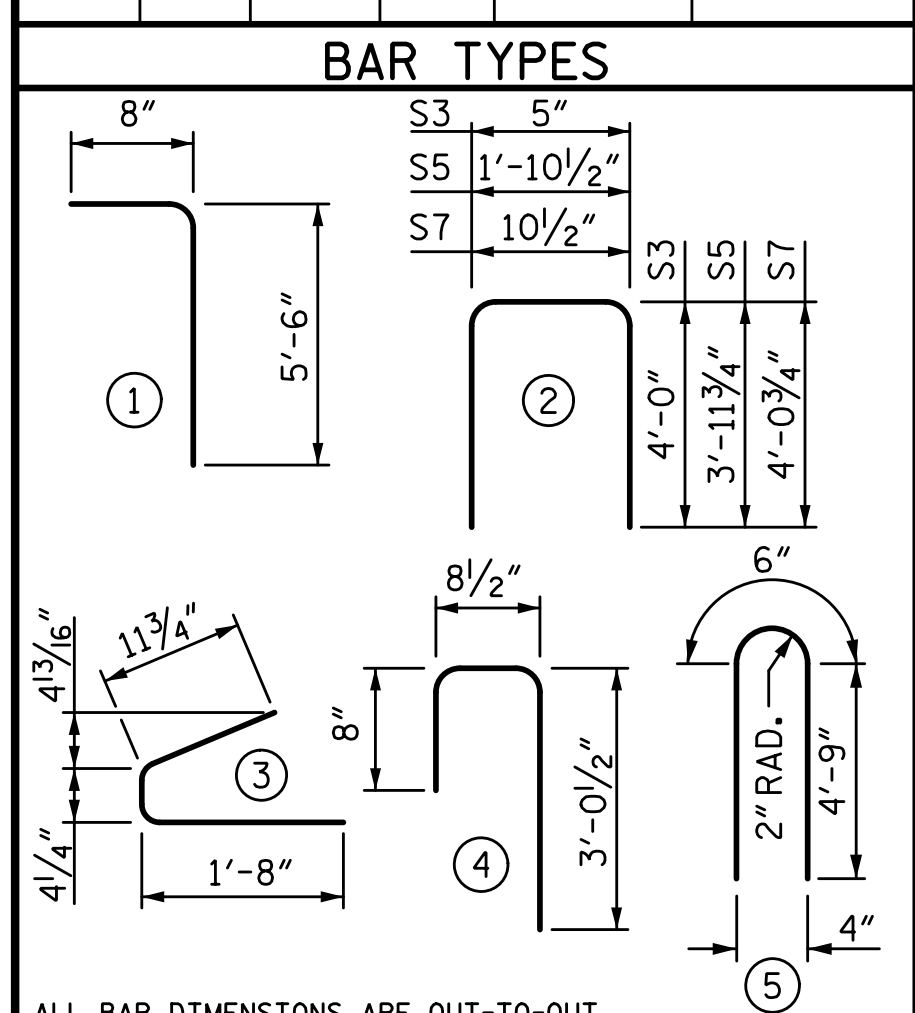
- FULLY DEBONDED STRAND
- ▲ STRAND DEBONDED FOR 10'-0" FROM END OF GIRDER
- STRAND DEBONDED FOR 20'-0" FROM END OF GIRDER



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

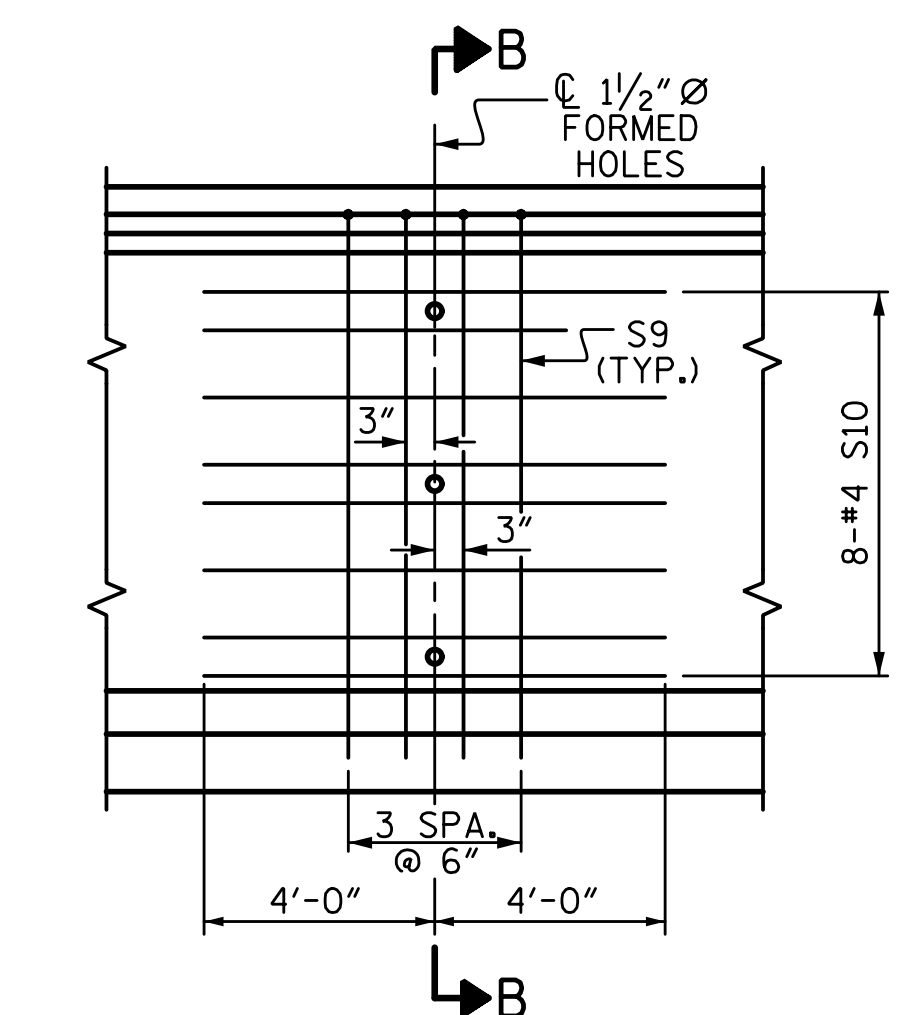
REINFORCING STEEL FOR ONE GDR					
BAR NO.	NO.	SIZE	TYPE	LENGTH	WEIGHT
S1	198	#4	1	6'-2"	816
S2	36	#5	1	6'-2"	232
S3	12	#4	2	8'-5"	67
S4	76	#4	3	3'-0"	152
S5	2	#5	2	9'-10"	21
S6	234	#5	4	4'-5"	1078
S7	2	#5	2	9'-0"	19
S8	12	#5	STR	3'-3"	41
S9	8	#5	5	10'-0"	83
S10	16	#4	STR	8'-0"	86



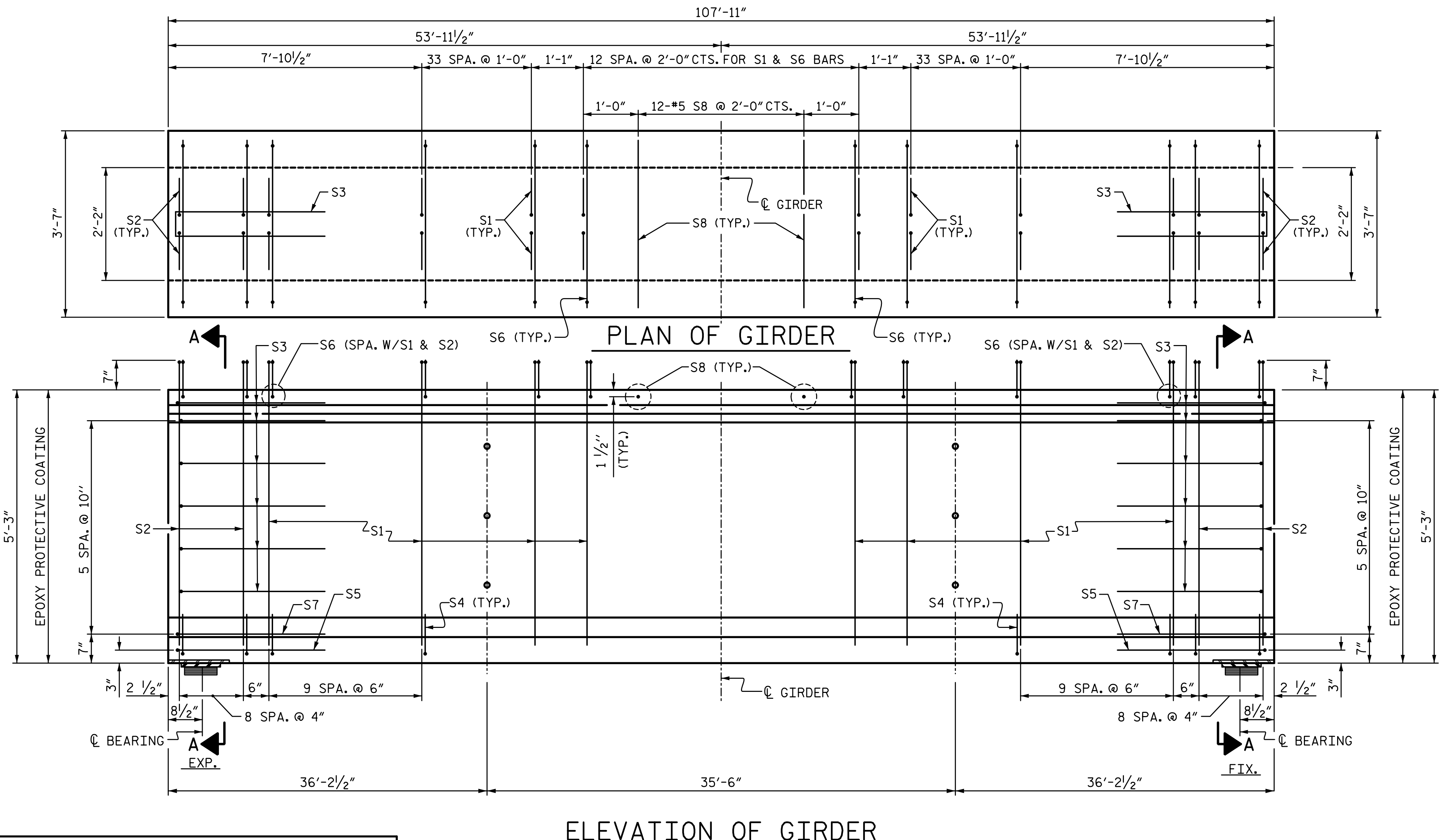
ALL BAR DIMENSIONS ARE OUT-TO-OUT

QUANTITIES FOR ONE GIRDER			
	REINFORCING STEEL	8,000 PSI CONCRETE	0.6" Ø L.R. STRANDS
	LB.	C.Y.	No.
	2595 LB	21.4	36

GIRDERS REQUIRED		
NUMBER	LENGTH	TOTAL LENGTH
8	107'-11"	863'-4"



PARTIAL ELEVATION
SHOWING INTERMEDIATE STEEL DIAPHRAGM REINFORCING STEEL FOR ALL GIRDERS



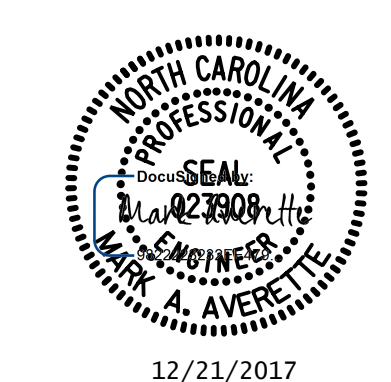
ELEVATION OF GIRDER

PROJECT NO. U-2525C
GUILFORD COUNTY
 STATION: 470+43.12 -L-
 SHEET 1 OF 2

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 SUPERSTRUCTURE
 63" PRESTRESSED
 CONCRETE MODIFIED
 BULB TEE
 LEFT LANE

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S8-12
1			3			TOTAL SHEETS
2			4			32

PLANS PREPARED BY:
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 (919) 852-0538 (Fax)
 www.simpsonengr.com
 LICENSURE NO. C-2521



12/21/2017

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

DRAWN BY: S.D. COOPER DATE: 8-17
 CHECKED BY: M.A. AVERETTE DATE: 8-17
 DESIGN ENGINEER OF RECORD: M.A. AVERETTE DATE: 8-17