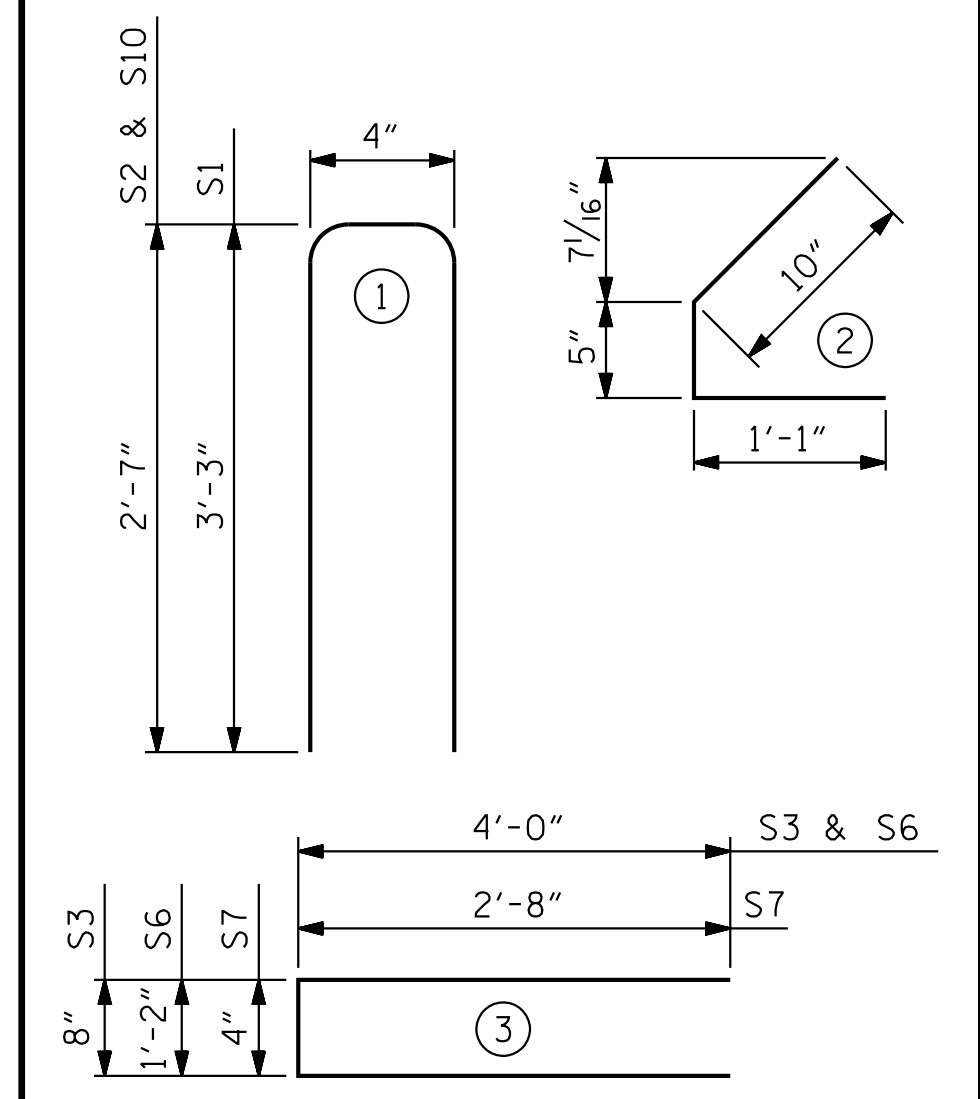


0.6" Ø LOW RELAXATION STRAND LAYOUT

- DEBONDING LEGEND
- FULLY BONDED STRANDS
 - ◻ STRANDS DEBONDED FOR 4'-0" FROM END OF GIRDER

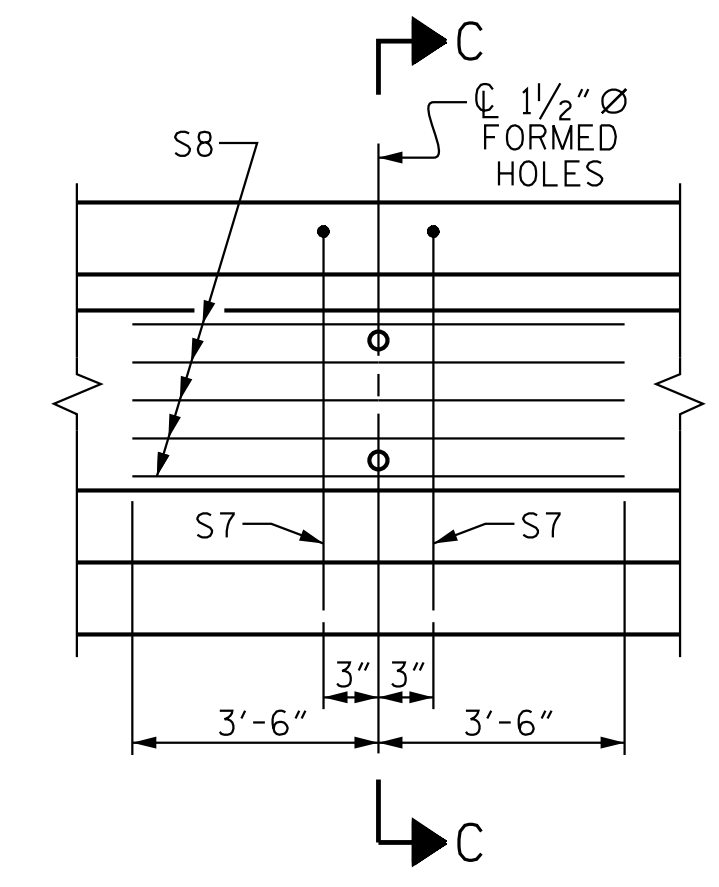
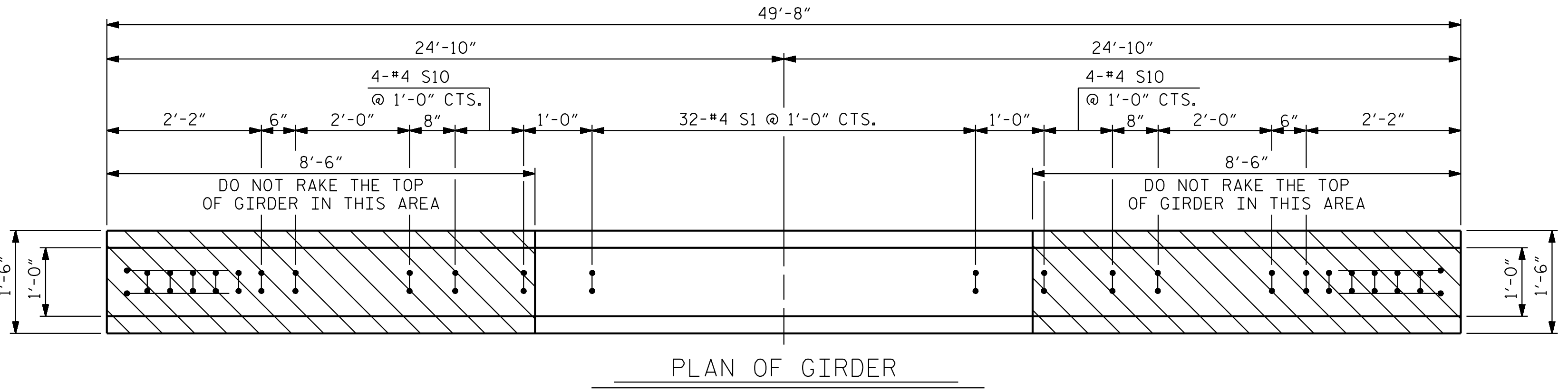
0.6" Ø L. R. GRADE 270 STRANDS					
AREA (SQUARE INCHES)	ULTIMATE STRENGTH (LBS. PER STRAND)	APPLIED PRESTRESS (LBS. PER STRAND)			
0.217	58,600	43,950			
REINFORCING STEEL FOR ONE GIRDER					
BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT
S1	32	#4	1	6'-10"	146
S2	14	#5	1	5'-6"	80
S3	4	#4	3	8'-8"	23
S5	48	#4	2	2'-4"	75
S6	2	#4	3	9'-2"	12
S7	2	#5	3	5'-8"	12
S8	5	#4	STR	7'-0"	23
S10	18	#4	1	5'-6"	66

BAR TYPES
ALL BAR DIMENSIONS ARE OUT-TO-OUT

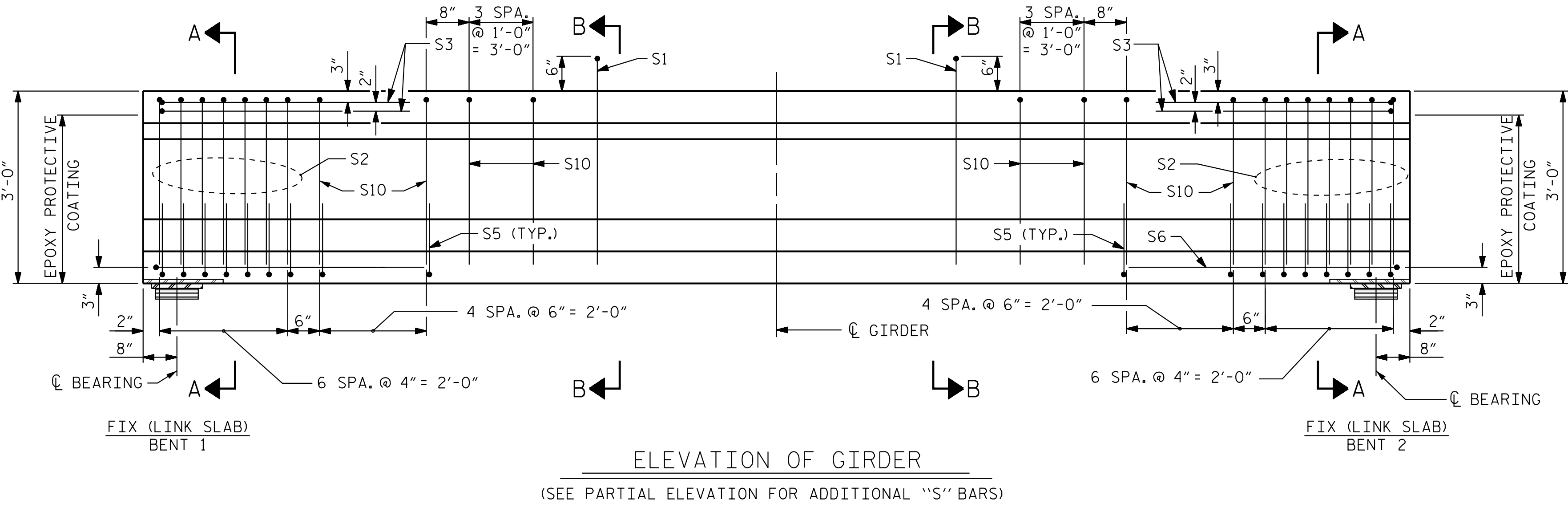


QUANTITIES FOR ONE GIRDER			
	REINFORCING STEEL LB.	6,000 PSI CONCRETE C.Y.	0.6" Ø L. R. STRANDS No.
GDR, BG1-BG5	437	4.8	14

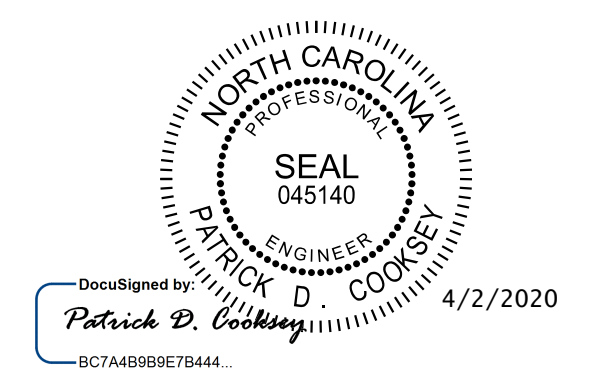
GIRDERS REQUIRED		
NUMBER	LENGTH	TOTAL LENGTH
5	49'-8"	248'-4"



PARTIAL ELEVATION
SHOWING INTERMEDIATE DIAPHRAGM REINFORCING STEEL FOR ALL GIRDERS



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



Kimley»Horn
421 Fayetteville Street, Suite 600
Raleigh, NC 27601-1772
Phone (919) 677-2000 NC LICENSE # F-0102

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

PROJECT NO. B-5534
DUPLIN COUNTY
STATION: 21+68.50 -L-

SHEET 2 OF 5

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
STANDARD
AASHTO TYPE II
PRESTRESSED CONCRETE GIRDER
CONTINUOUS FOR LIVE LOAD
SPAN B

REVISIONS						SHEET NO. S-12
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			TOTAL SHEETS 34
2			4			

STD. NO. PCG4

2/20/2020 K:\BIDI_Structures\Bridges\NC\01036500 - B-5534\Gdr\Gdr\B5534_SML\G2_300082.dgn

ASSEMBLED BY : D. D. LOWERY	DATE : 02/2020
CHECKED BY : P. D. COOKSEY	DATE : 02/2020
DRAWN BY : JMB 12/87	REV. 1/15 MAA/TMG
CHECKED BY : ARB 12/87	REV. 2/15 MAA/TMG
	REV. 12/17 MAA/THC