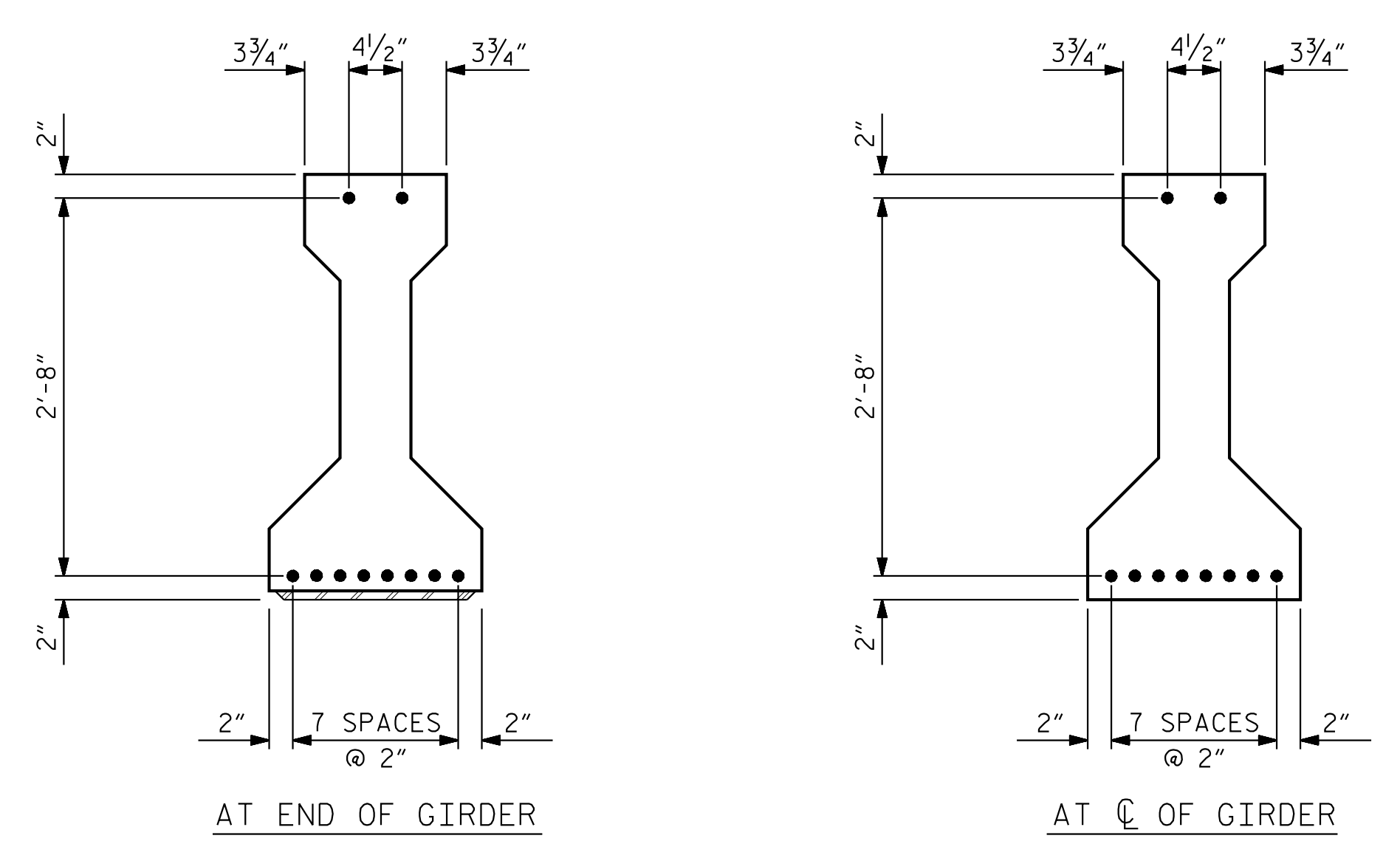
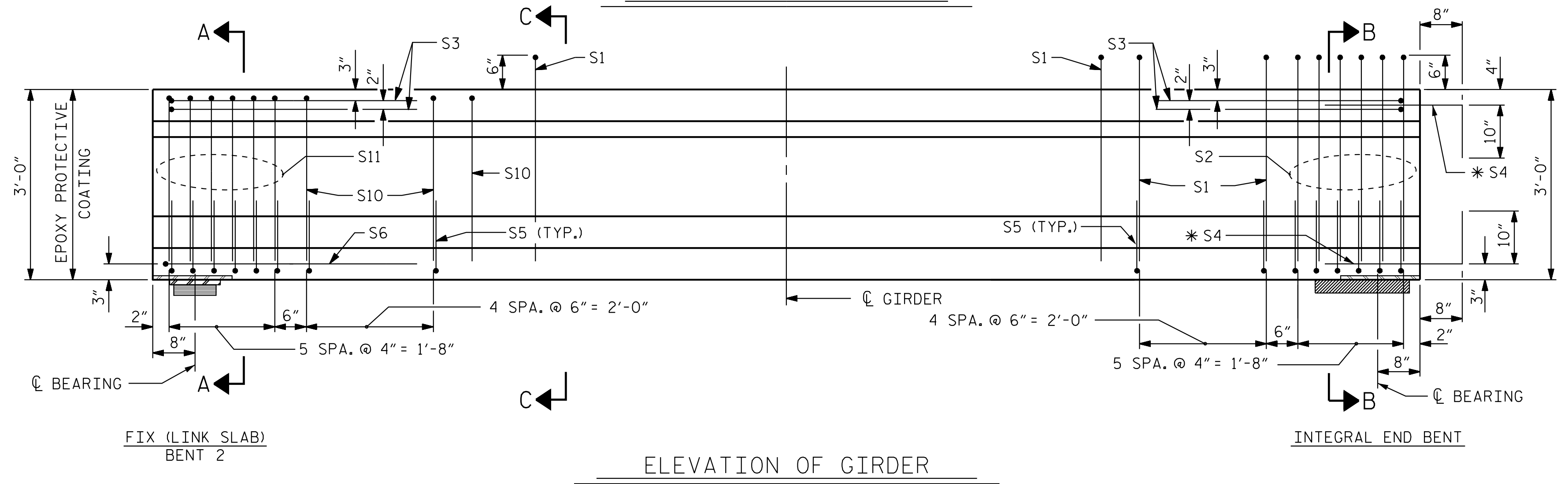
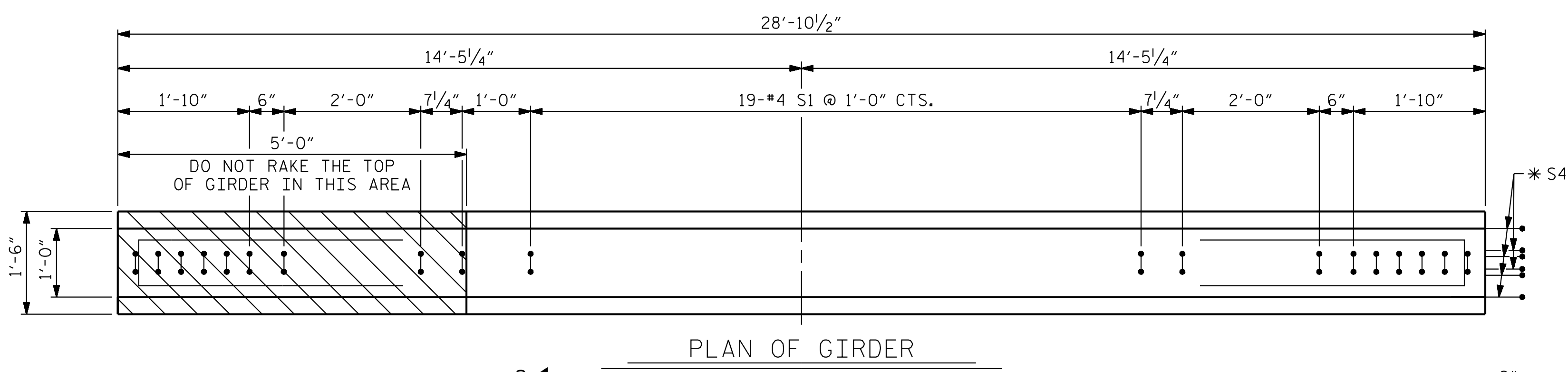


* FOR S4 BARS, SEE
DETAIL "A" OF
"PRESTRESSED
CONCRETE GIRDER
CONTINUOUS FOR LIVE
LOAD DETAILS" SHEET
4 OF 5



0.6" Ø LOW RELAXATION STRAND LAYOUT

DEBONDING LEGEND
● FULLY BONDED STRANDS



0.6" Ø L. R. GRADE 270 STRANDS

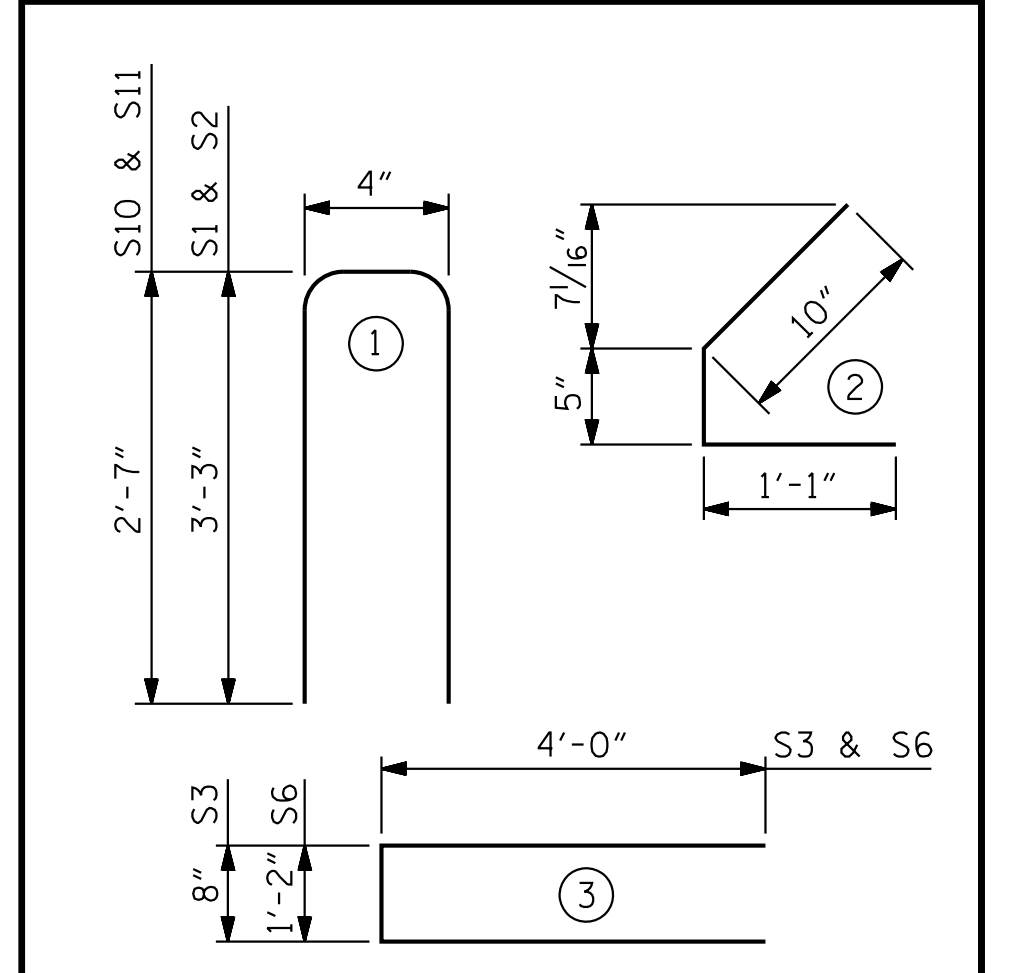
AREA (SQUARE INCHES)	ULTIMATE STRENGTH (LBS. PER STRAND)	APPLIED PRESTRESS (LBS. PER STRAND)
0.217	58,600	43,950

REINFORCING STEEL FOR ONE GIRDER

BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT
S1	24	#4	1	6'-10"	110
S2	6	#5	1	6'-10"	43
S3	4	#4	3	8'-8"	23
* S4	6	#5	STR	3'-8"	23
S5	44	#4	2	2'-4"	69
S6	1	#4	3	9'-2"	6
S10	6	#4	1	5'-6"	22
S11	6	#5	1	5'-6"	34

* NOTE: S4 BARS SHALL BE BENT BEFORE SHIPMENT. HEAT BENDING SHALL NOT BE ALLOWED.

BAR TYPES



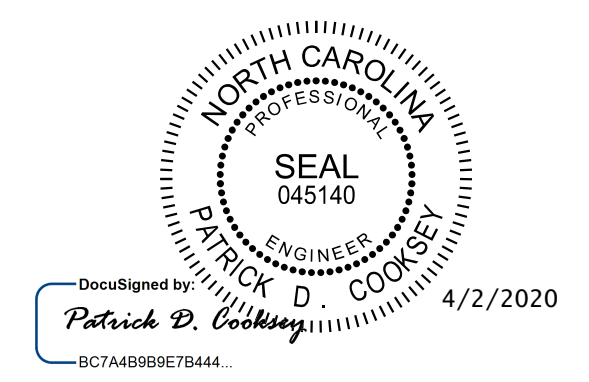
QUANTITIES FOR ONE GIRDER

GDR, CG1-CG5	REINFORCING STEEL	6,000 PSI CONCRETE	0.6" Ø L. R. STRANDS
	LB.	C.Y.	No.
	330	2.8	10

GIRDERS REQUIRED		
NUMBER	LENGTH	TOTAL LENGTH
5	28'-10 1/2"	144'-4 1/2"

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

SHEET 3 OF 5



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

REVISIONS						SHEET NO. S-13
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			TOTAL SHEETS 34
2			4			

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

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ASSEMBLED BY : D. D. LOWERY	DATE : 02/2020
CHECKED BY : P. D. COOKSEY	DATE : 02/2020
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	REV. 12/17 MAA/THC