

- DEBONDING LEGEND**
- FULLY BONDED STRANDS
 - ▲ STRANDS DEBONDED FOR 4'-0" FROM END OF GIRDER
 - STRANDS DEBONDED FOR 8'-0" FROM END OF GIRDER

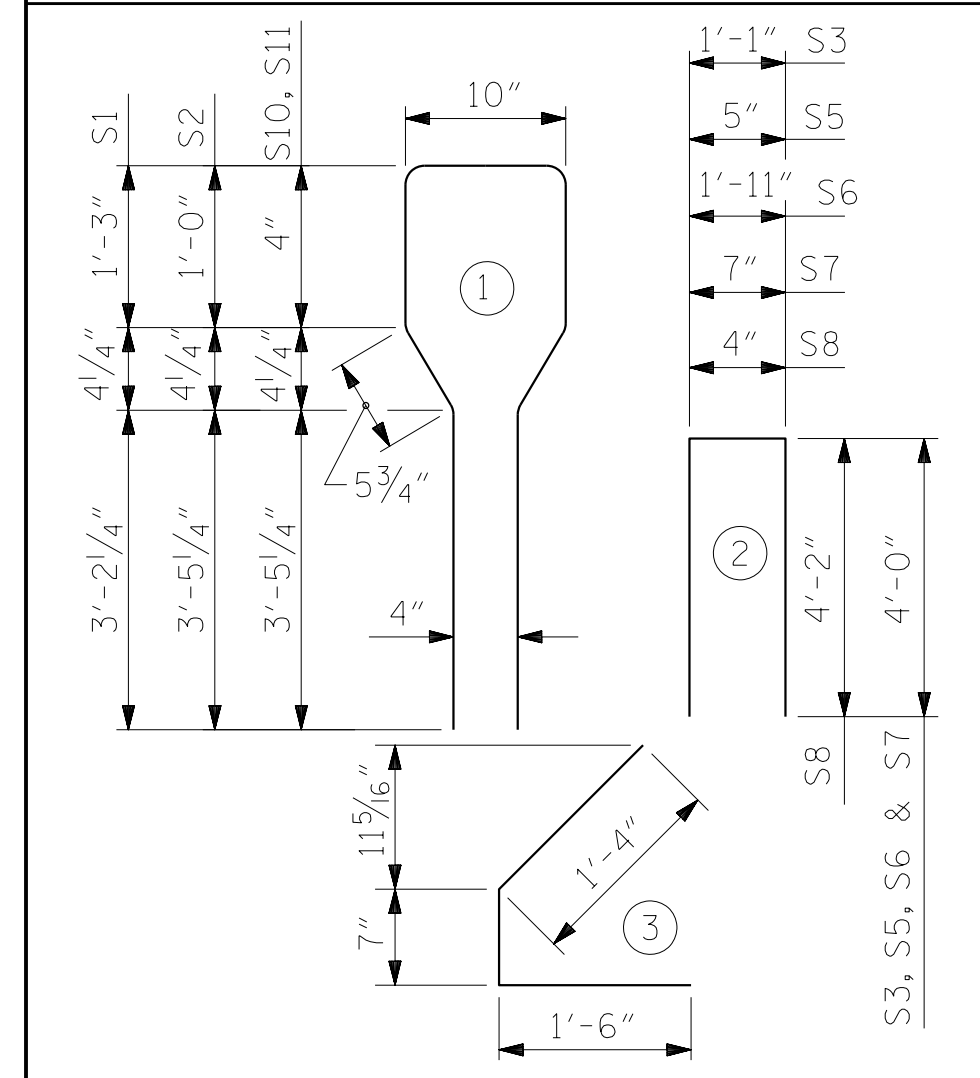
0.6" Ø L. R. GRADE 270 STRANDS

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	94	#4	1	10'-8"	670
S2	7	#6	1	10'-8"	112
S3	4	#4	2	9'-1"	24
S4	64	#4	3	3'-5"	146
S5	6	#4	2	8'-5"	34
S6	2	#4	2	9'-11"	13
S7	4	#4	2	8'-7"	23
S8	2	#5	2	8'-8"	18
S9	5	#4	STR	7'-0"	23
S10	4	#4	1	9'-4"	25
S11	7	#6	1	9'-4"	98

BAR TYPES
ALL BAR DIMENSIONS ARE OUT-TO-OUT

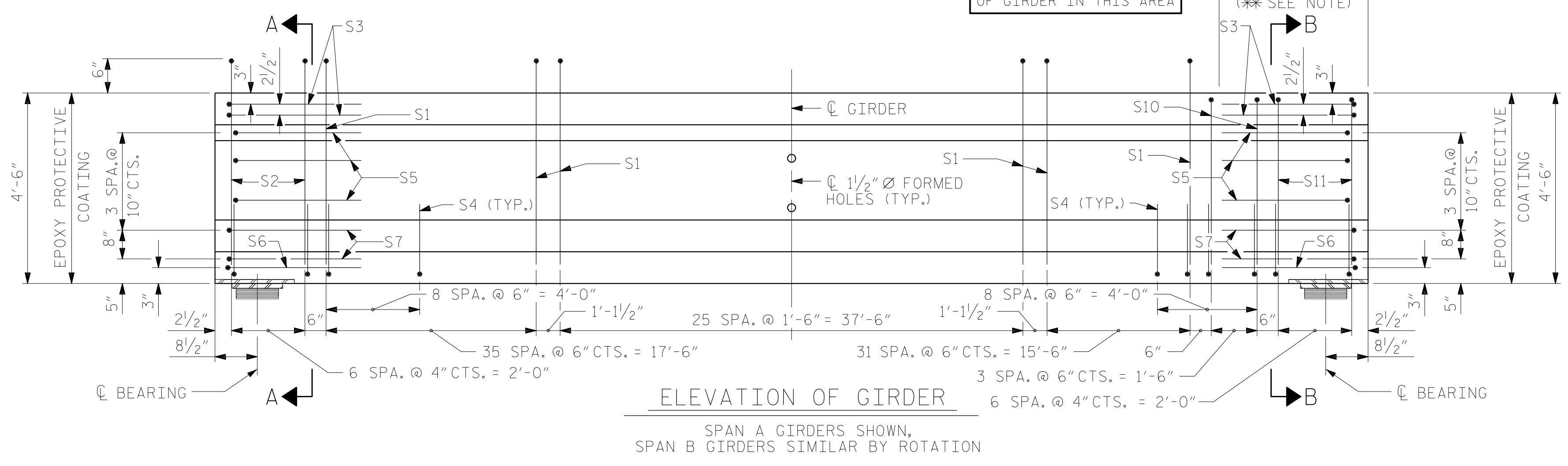
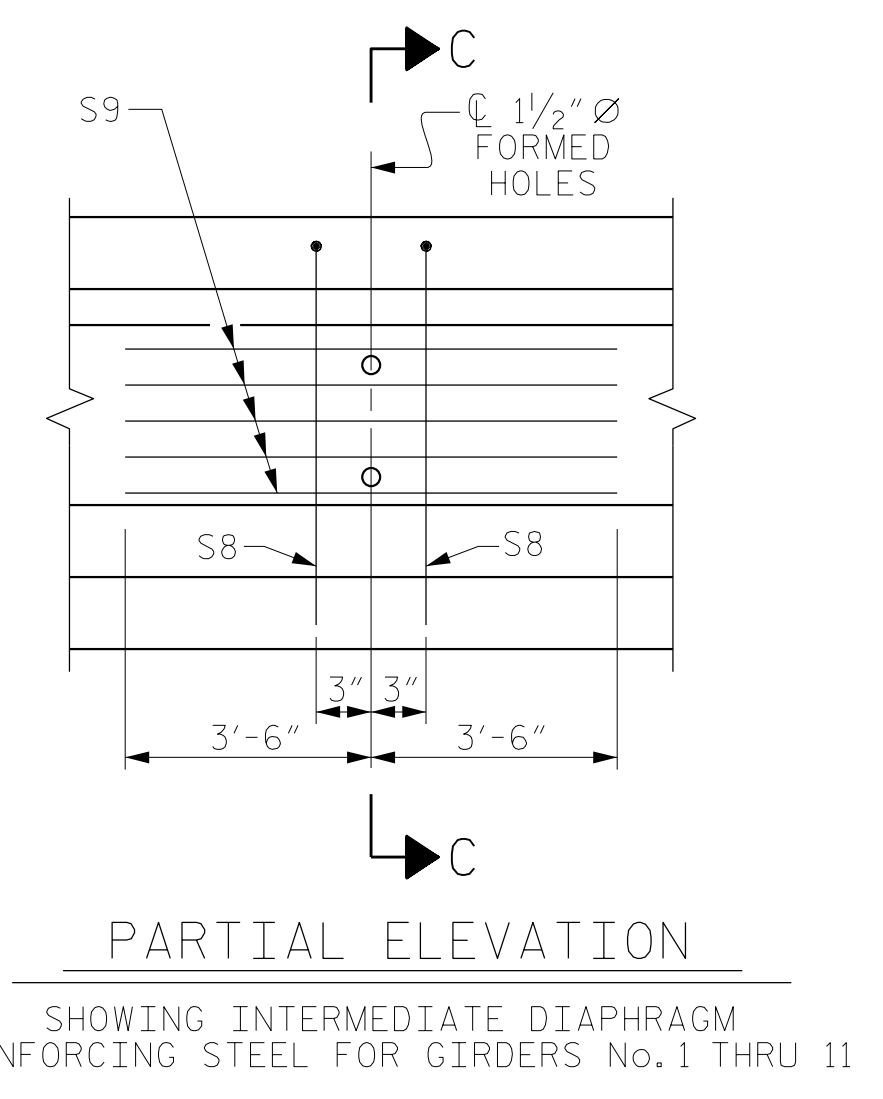
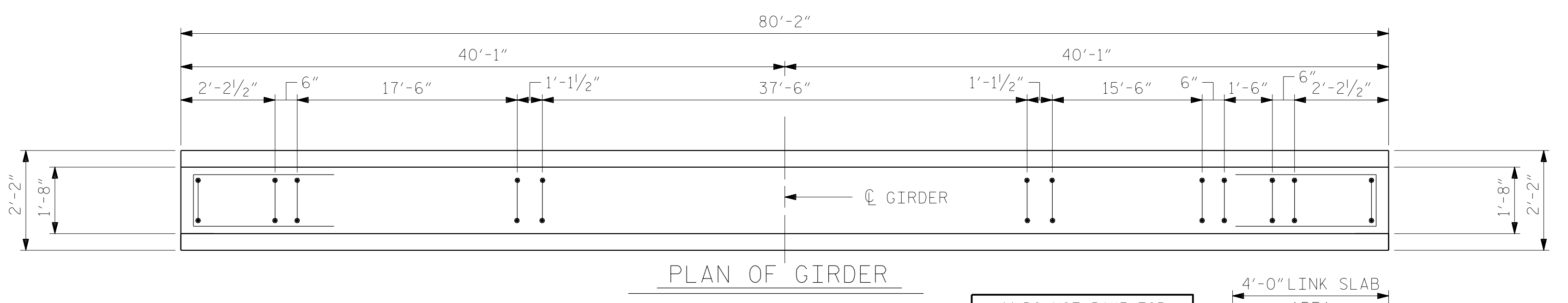


QUANTITIES FOR ONE GIRDER

	REINFORCING STEEL	5500 PSI CONCRETE	0.6" Ø L. R. STRANDS
	LB.	C.Y.	No.
GIRDER	1,186	16.3	30

GIRDERS REQUIRED

NUMBER	LENGTH	TOTAL LENGTH
22	80'-2"	1763'-8"



ASSEMBLED BY : TWL DATE : 07/2019
 CHECKED BY : JMR DATE : 09/2019
 DRAWN BY : JMB 12/87 MAA/GM
 CHECKED BY : ARB 12/87 REV. 1/15 MAA/TMG
 REV. 12/17 MAA/THC

10/14/2021
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DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



PROJECT NO. U-2579AB
 FORSYTH COUNTY
 STATION: 30+67.66 -Y4-

SHEET 1 OF 2

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	TOTAL SHEETS
1			3			37
2			4			

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 STANDARD
 AASHTO TYPE IV
 PRESTRESSED CONCRETE GIRDER

STD. NO. PCC3