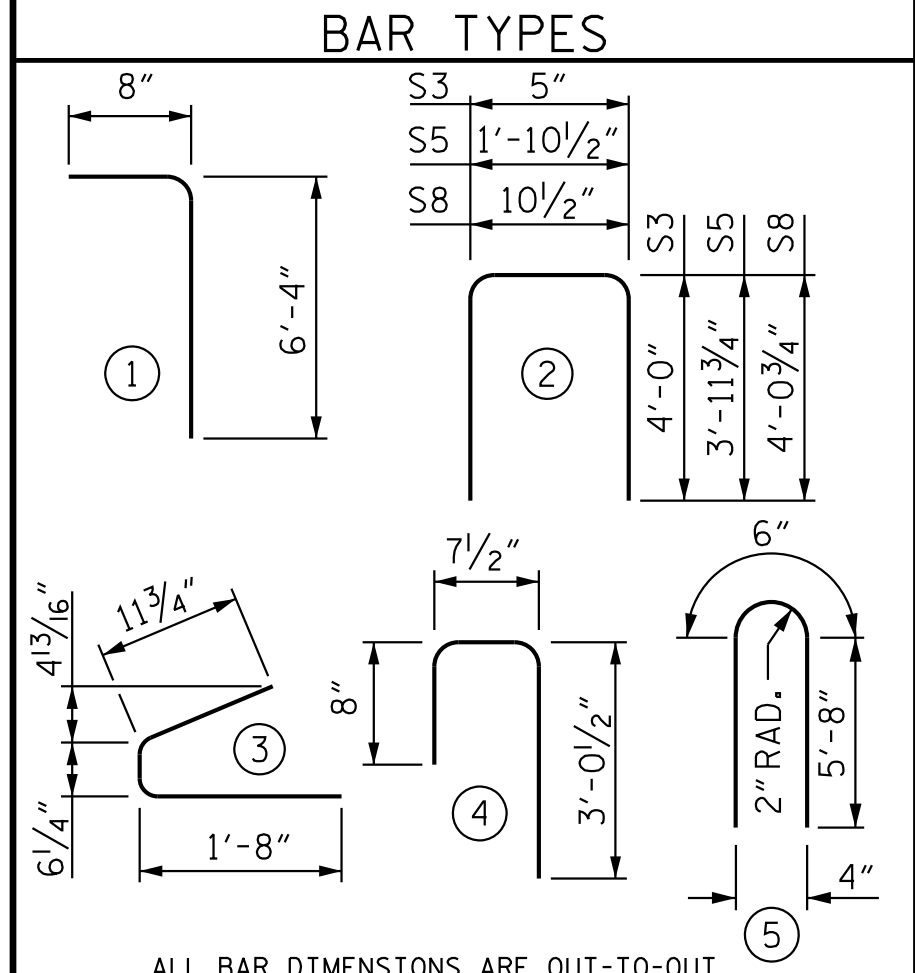


0.6" Ø L. R. GRADE 270 STRANDS		
AREA (SQUARE INCHES)	ULTIMATE STRENGTH (LBS. PER STRAND)	APPLIED PRESTRESS (LBS. PER STRAND)
0.217	58,600	43,950

REINFORCING STEEL FOR ONE GDR						
BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT	
S1	126	#4	1	7'-0"	589	
S2	24	#5	1	7'-0"	175	
S3	14	#4	2	8'-5"	79	
S4	84	#4	3	3'-2"	178	
S5	1	#5	2	9'-10"	10	
S6	150	#5	4	4'-4"	678	
*S7	10	#5	STR	3'-8"	38	
S8	2	#5	2	9'-0"	19	
S9	24	#5	STR	3'-3"	81	
S10	1	#3	STR	1'-10"	1	
GDR. AG1 & AG4	S11	4	#5	5	11'-10"	49
GDR. AG2 & AG3	S11	8	#5	5	11'-10"	99
GDR. AG1 & AG4	S12	8	#4	STR	8'-0"	43
GDR. AG2 & AG3	S13	8	#4	STR	22'-6"	120

*NOTE: S7 BARS SHALL BE BENT BEFORE SHIPMENT. HEAT BENDING SHALL NOT BE ALLOWED.



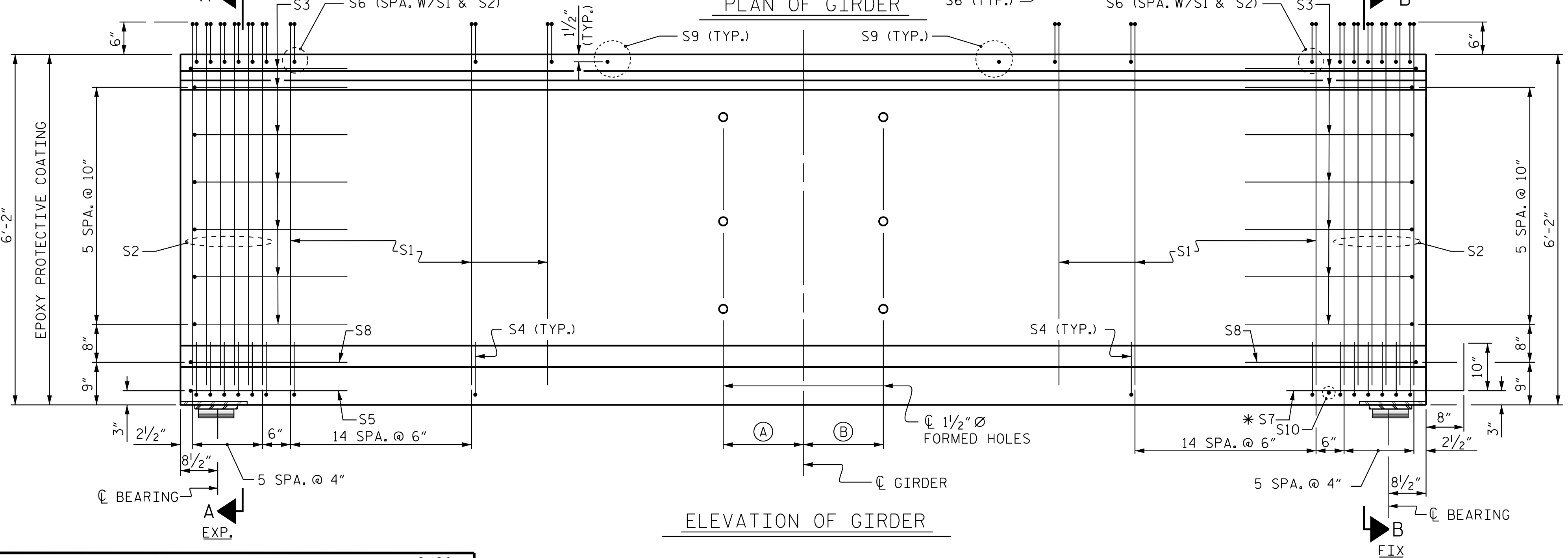
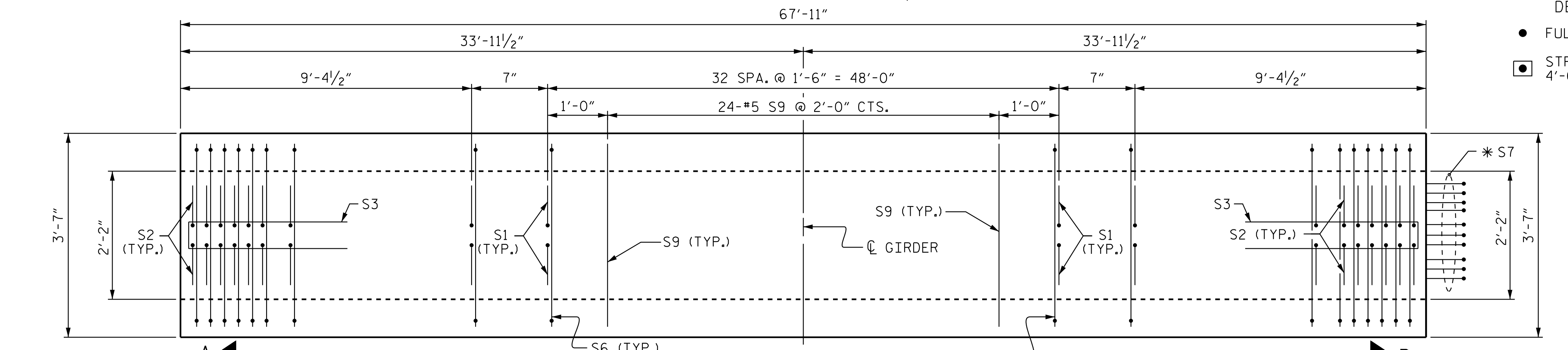
- DEBONDING LEGEND
- FULLY BONDED STRANDS
 - ◻ STRANDS DEBONDED FOR 4'-0" FROM END OF GIRDER

NOTES
FOR PARTIAL ELEVATIONS REFERENCING SECTION C-C, SEE "PRESTRESSED CONCRETE GIRDER CONTINUOUS FOR LIVE LOAD DETAILS" SHEET 4 OF 5.

GDR.	(A)	(B)
AG1	7'-2 1/16"	-
AG2-AG3	7'-2 1/16"	7'-2 1/16"
AG4	-	7'-2 1/16"

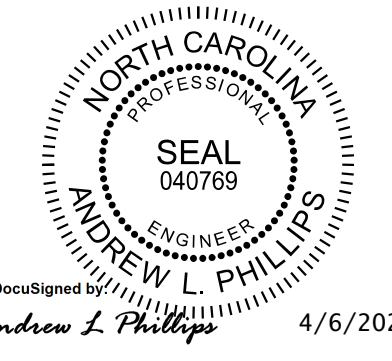
QUANTITIES FOR ONE GIRDER			
	REINFORCING STEEL	9,000 PSI CONCRETE	0.6" Ø L.R. STRANDS
	LB.	C.Y.	No.
GDR. AG1 & AG4	1,940	15.5	18
GDR. AG2 & AG3	2,067	15.5	18

GIRDERS REQUIRED		
NUMBER	LENGTH	TOTAL LENGTH
4	67'-11"	271'-8"



PROJECT NO. B-5301
PITT COUNTY
 STATION: 25+98.05 -L-

SHEET 1 OF 5



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

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 74" PRESTRESSED CONCRETE
 MODIFIED BULB TEE
 CONTINUOUS FOR LIVE LOAD
 SPAN A

REVISIONS						SHEET NO. S-15
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			TOTAL SHEETS 55
2			4			

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

G:\Users\andrew.phillips\Public\Bridges - Documents\B-5301\Coord\Gm\401_029_B5301_SML_G01_015_730087.dgn 4/2/2020

DRAWN BY: D. D. LOWERY DATE: 2/20
 CHECKED BY: C. I. POOLE DATE: 2/20
 DESIGN ENGINEER OF RECORD: A. L. PHILLIPS DATE: 2/20