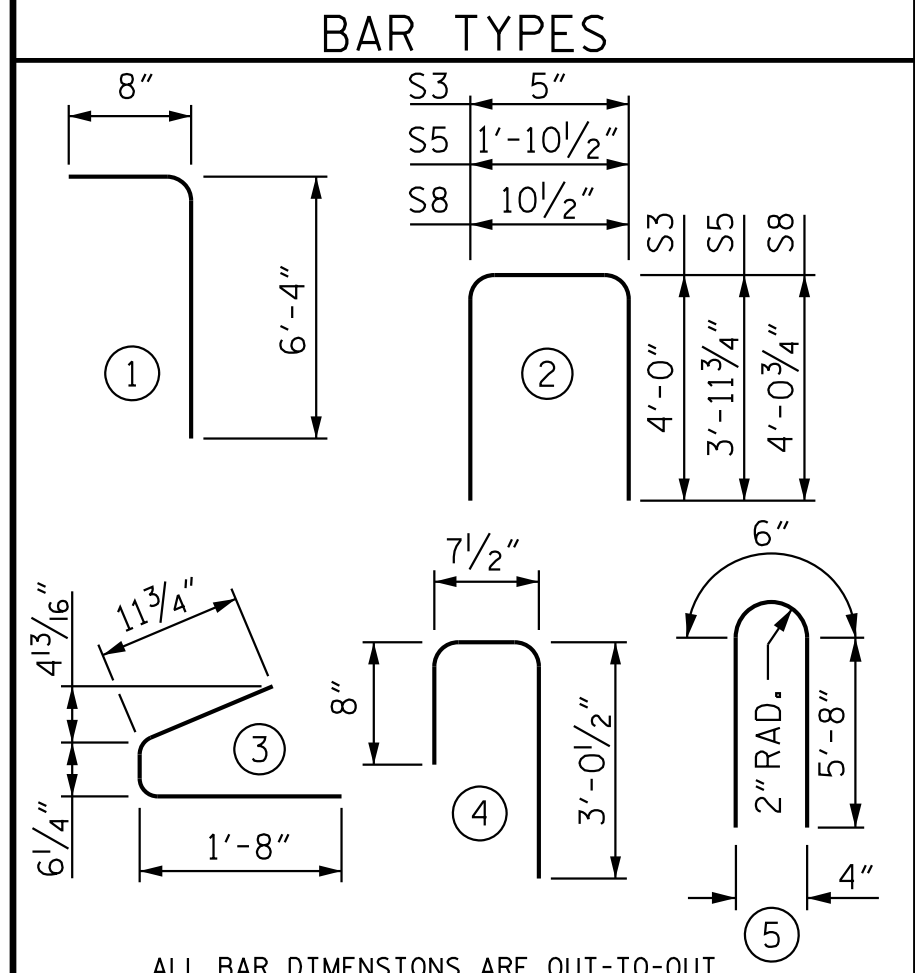


0.6" Ø L. R. GRADE 270 STRANDS		
AREA (SQUARE INCHES)	ULTIMATE STRENGTH (LBS. PER STRAND)	APPLIED PRESTRESS (LBS. PER STRAND)
0.217	58,600	43,950

REINFORCING STEEL FOR ONE GDR						
BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT	
S1	136	#4	1	7'-0"	636	
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	160	#5	4	4'-4"	723	
*S7	10	#5	STR	3'-8"	38	
S8	2	#5	2	9'-0"	19	
S9	28	#5	STR	3'-3"	95	
S10	1	#3	STR	1'-10"	1	
GDR. CG1 & CG4	S11	4	#5	5	11'-10"	49
GDR. CG2 & CG3	S11	8	#5	5	11'-10"	99
GDR. CG1 & CG4	S12	8	#4	STR	8'-0"	43
GDR. CG2 & CG3	S13	8	#4	STR	23'-0"	123

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



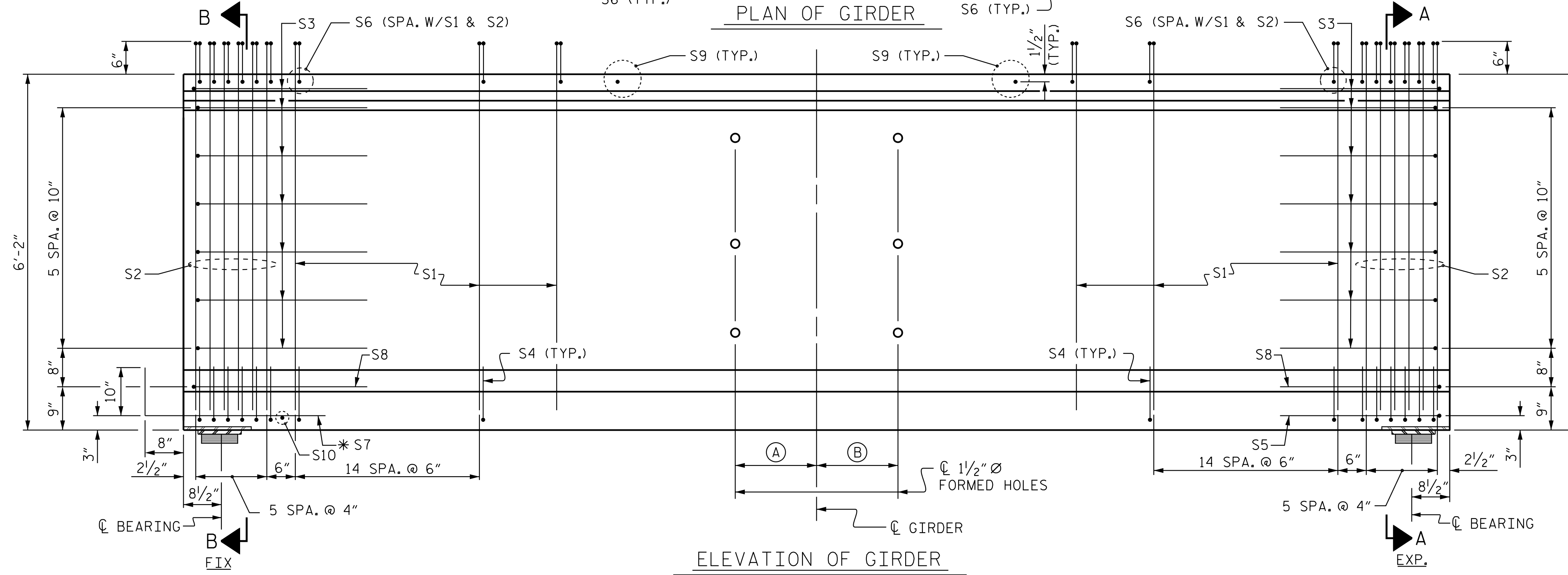
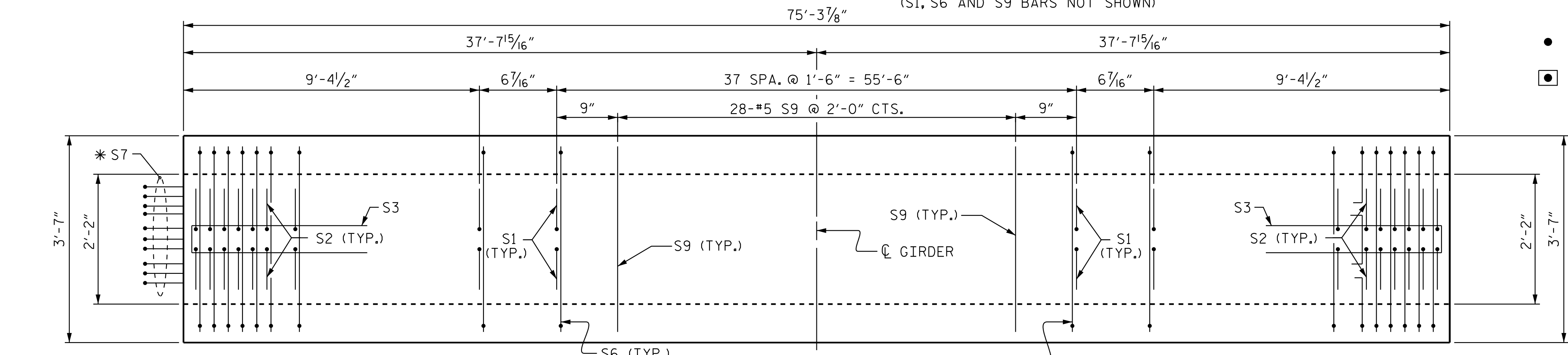
- DEBONDING LEGEND
- FULLY BONDED STRANDS
  - ◻ STRANDS DEBONDED FOR 4'-0" FROM END OF GIRDER

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

QUANTITIES FOR ONE GIRDER			
	REINFORCING STEEL	9,000 PSI CONCRETE	0.6" Ø L.R. STRANDS
	LB.	C.Y.	No.
GDR. CG1 & CG4	2,046	17.1	18
GDR. CG2 & CG3	2,176	17.1	18

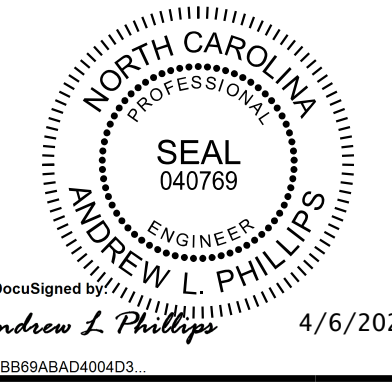
GIRDERS REQUIRED		
NUMBER	LENGTH	TOTAL LENGTH
4	75'-3 3/8"	301'-3 1/2"

GDR.	(A)	(B)
CG1	7'-5 15/16"	-
CG2-CG3	7'-5 15/16"	7'-5 15/16"
CG4	-	7'-5 15/16"



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

SHEET 3 OF 5



**Kimley»Horn**  
 421 Fayetteville Street, Suite 600  
 Raleigh, NC 27601-1772  
 Phone (919) 677-2000  
 NC LICENSE # F-1012

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

REVISIONS						SHEET NO. S-17
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\My Documents\B-5301\Cad\Drawings\401\_033\_BES01\_SML\_G03\_017\_130087.dgn

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