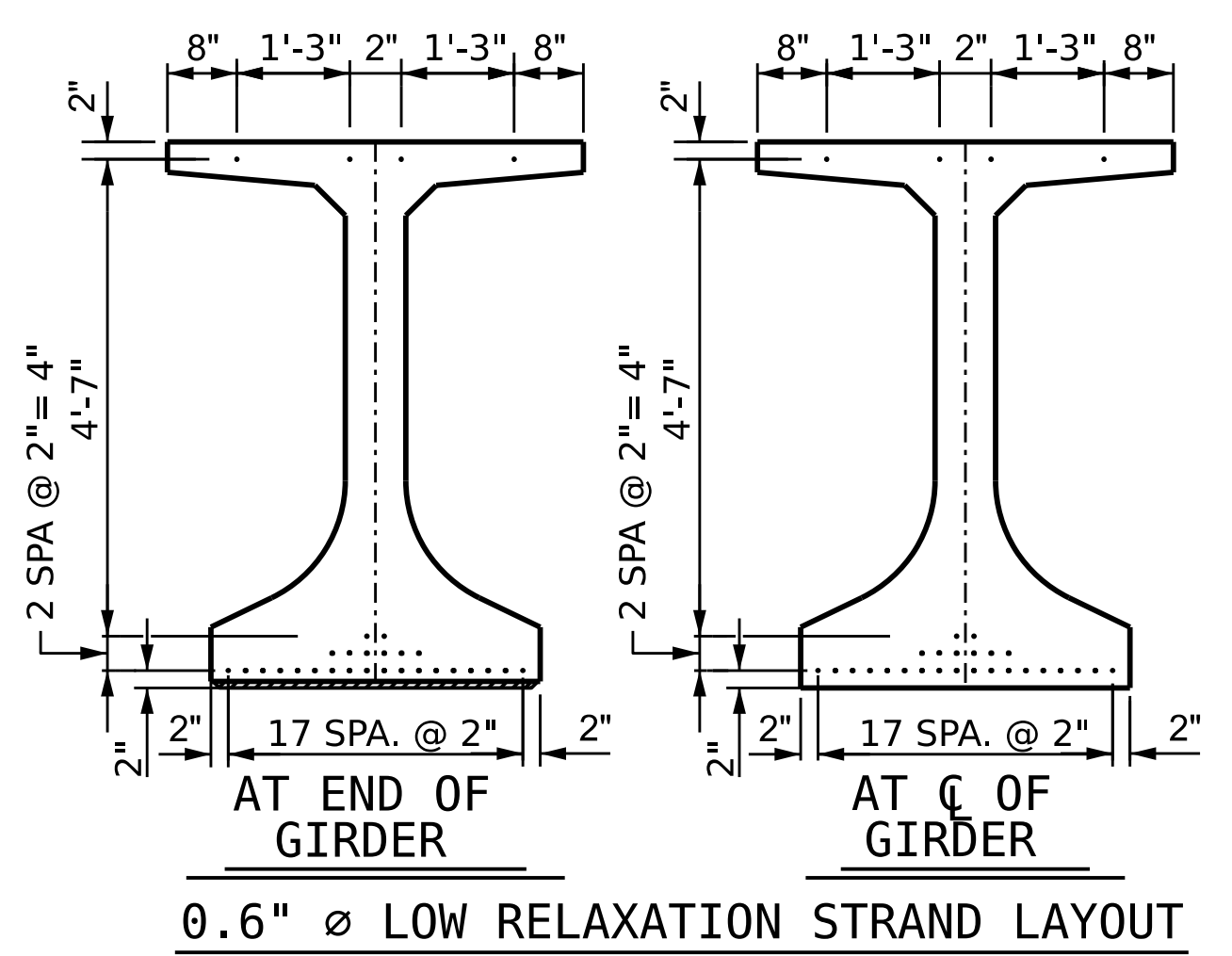


1 1/2" Ø FORMED HOLE. SEE ELEVATION FOR LOCATION. FOR DIM. "A", "B" & "C" SEE "INTERMEDIATE STEEL DIAPHRAGMS" SHEET.

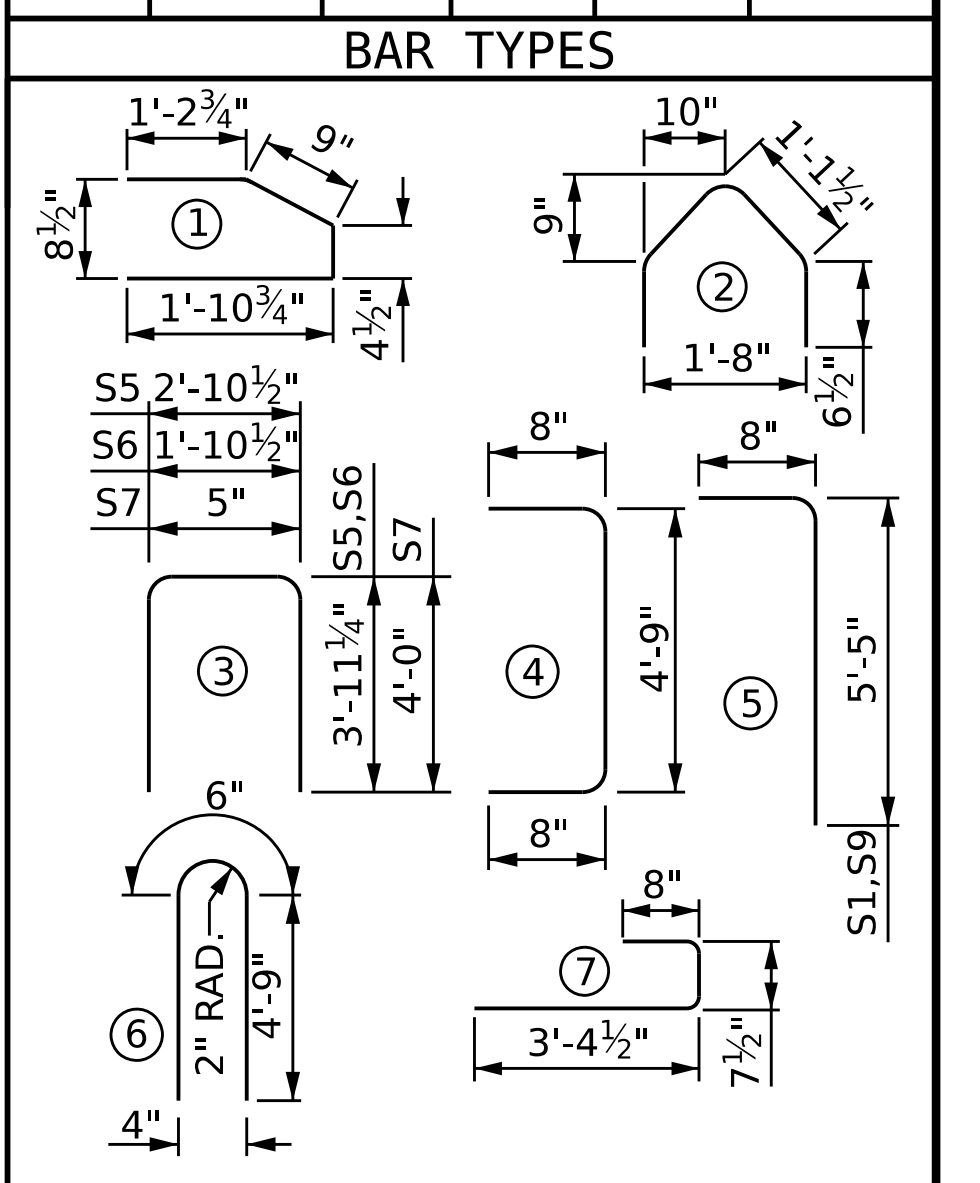
**DEBONDING LEGEND**  
 • FULLY BONDED STRANDS



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	46	#5	5	6'-1"	292	
S2	58	#5	4	6'-1"	368	
S3	38	#3	2	3'-4"	48	
S4	76	#3	1	4'-3"	121	
S5	2	#5	3	10'-9"	22	
S6	2	#5	3	9'-9"	20	
S7	10	#4	3	8'-5"	56	
S8	164	#5	7	4'-8"	798	
S9	118	#5	5	6'-1"	749	
S10	33	#5	STR	3'-8"	126	
GDR. 1,3,4,7	S12	4	#5	6	10'-0"	42
GDR. 2,5,6	S12	8	#5	6	10'-0"	83
GDR. 1,3,4,7	S14	8	#4	STR	8'-0"	43
GDR. 2,5,6	S15	8	#4	STR	12'-8"	68

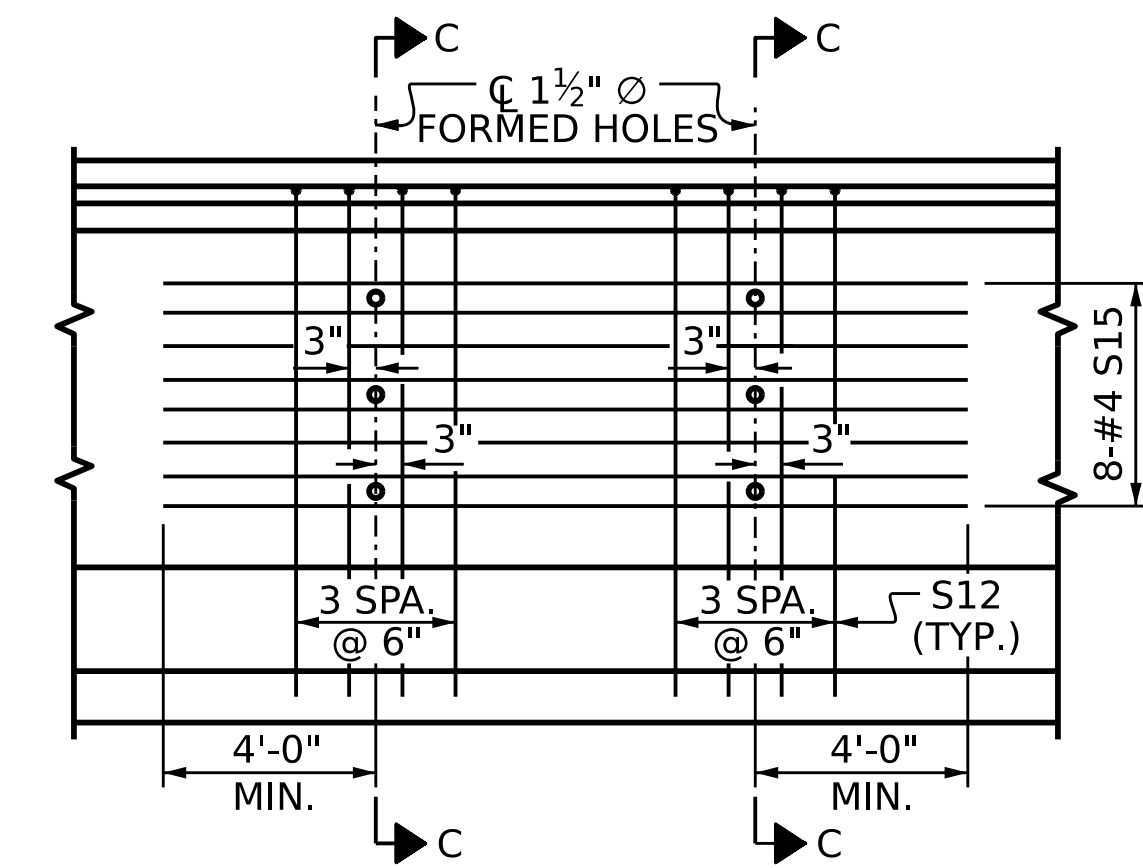
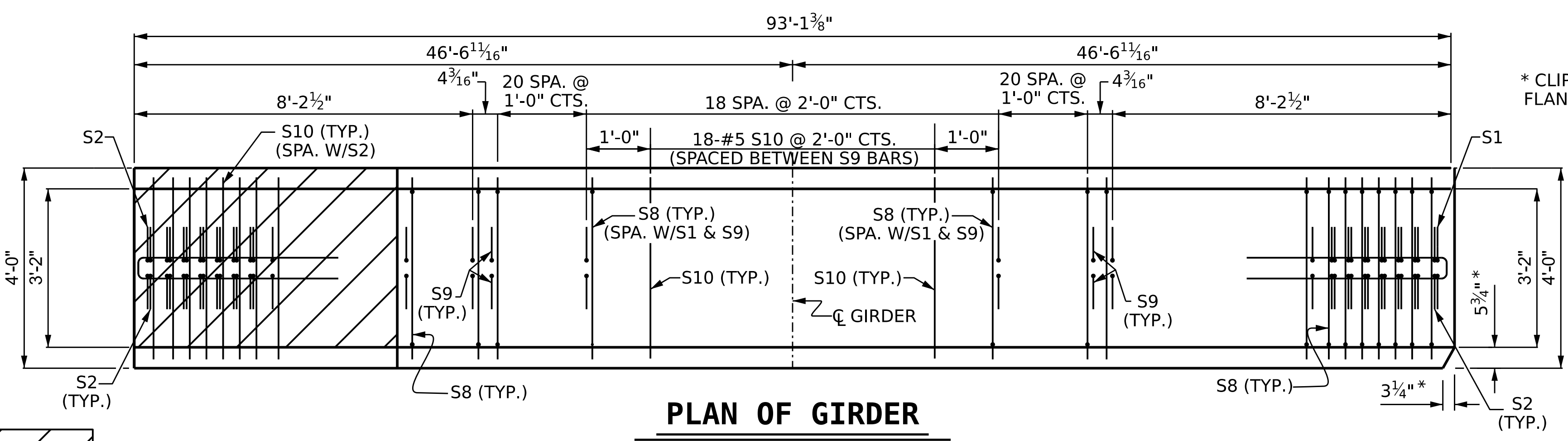


ALL BAR DIMENSIONS ARE OUT-TO-OUT

QUANTITIES FOR ONE GIRDER			
REINFORCING STEEL	8500 PSI CONCRETE	0.6" Ø L.R. STRANDS	
LB.	C.Y.	No.	
GDR. 1,3,4,7	2685	23.8	30
GDR. 2,5,6	2751	23.8	30

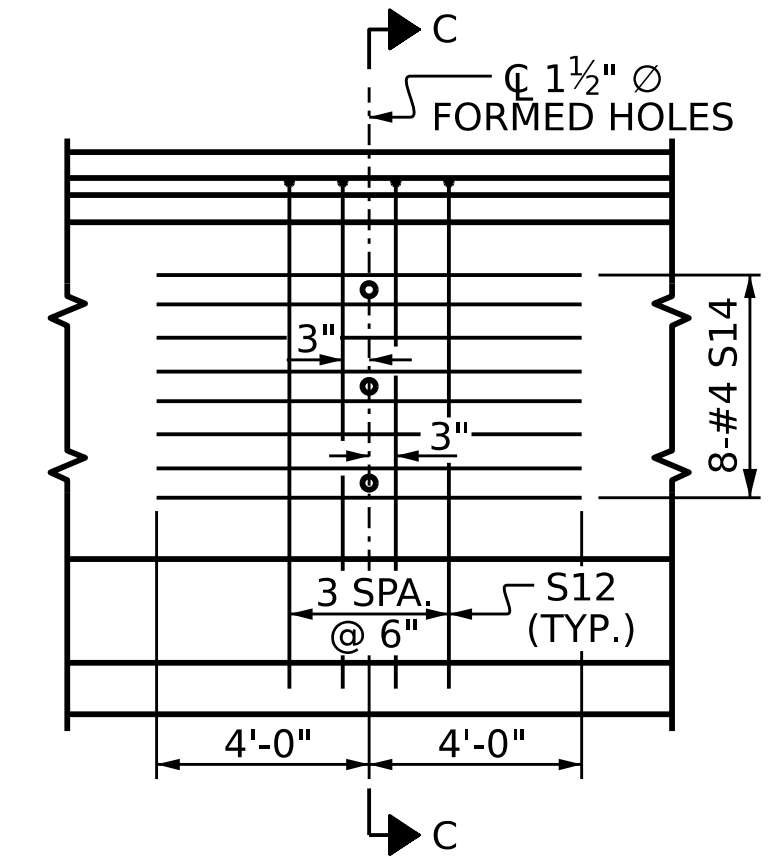
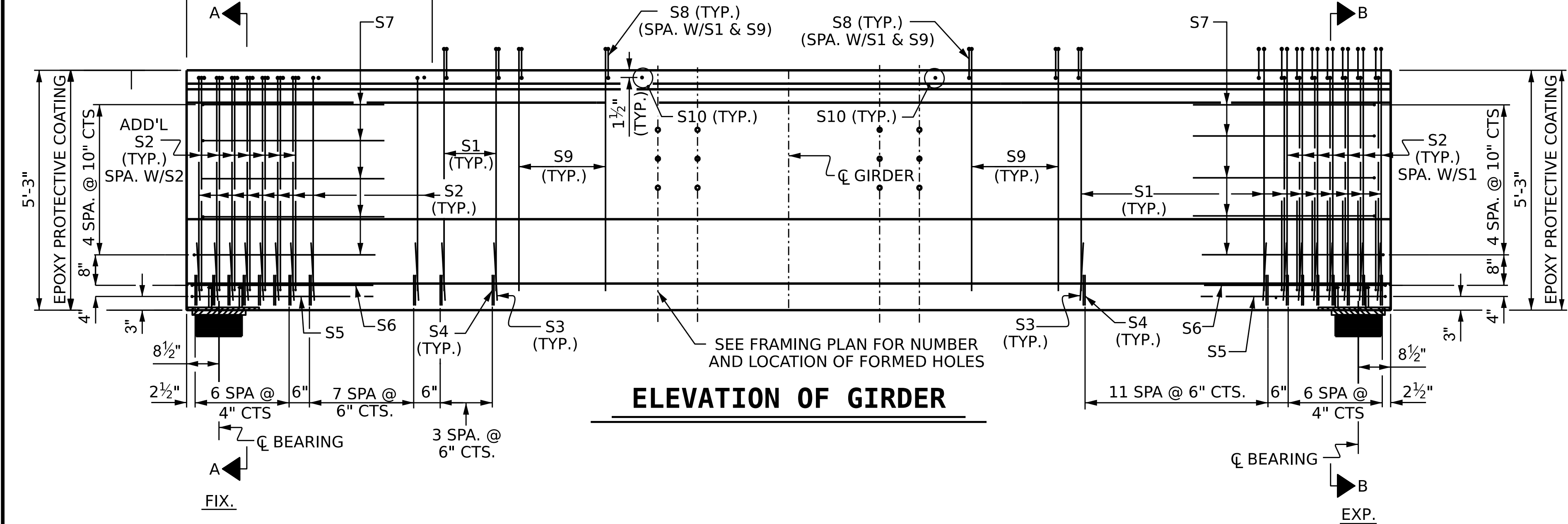
  

GIRDERS REQUIRED		
NUMBER	LENGTH	TOTAL LENGTH
7	93'-1 3/8"	651'-9 5/8"



**PARTIAL ELEVATION**  
 SHOWING INTERMEDIATE STEEL DIAPHRAGM REINFORCING STEEL FOR GIRDER Nos. 2,5,6

DO NOT RAKE TOP OF GIRDER IN THIS AREA



**PARTIAL ELEVATION**  
 SHOWING INTERMEDIATE STEEL DIAPHRAGM REINFORCING STEEL FOR GIRDER Nos. 1,3,4,7

PROJECT NO. **B-3186 / B-5898**  
**HAYWOOD** COUNTY  
 STATION: **24+70.00 -L LT-**  
 SHEET 4 OF 7

**AECOM**  
 AECOM TECHNICAL SERVICES OF NC, INC.  
 5430 WADE PARK BOULEVARD, SUITE 200  
 RALEIGH, NC 27607  
 (919) 854-6200 www.aecom.com  
 AECOM License No. F0262

DESIGNED BY: SPAL  
 DATE: 04/29/23  
 CHECKED BY: [Signature]  
 DATE: 06/01/23

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH					
63" FLORIDA I-BEAM (FIB)					
PRESTRESSED CONCRETE GIRDER					
SPAN B GIRDERS 1-7					
REVISIONS					SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		

TOTAL SHEETS: 50

DRAWN BY: T. NEAL DATE: 04/2023  
 CHECKED BY: D. TUTTLE DATE: 05/2023  
 DESIGN ENGINEER OF RECORD: D. TUTTLE DATE: 06/2023

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED