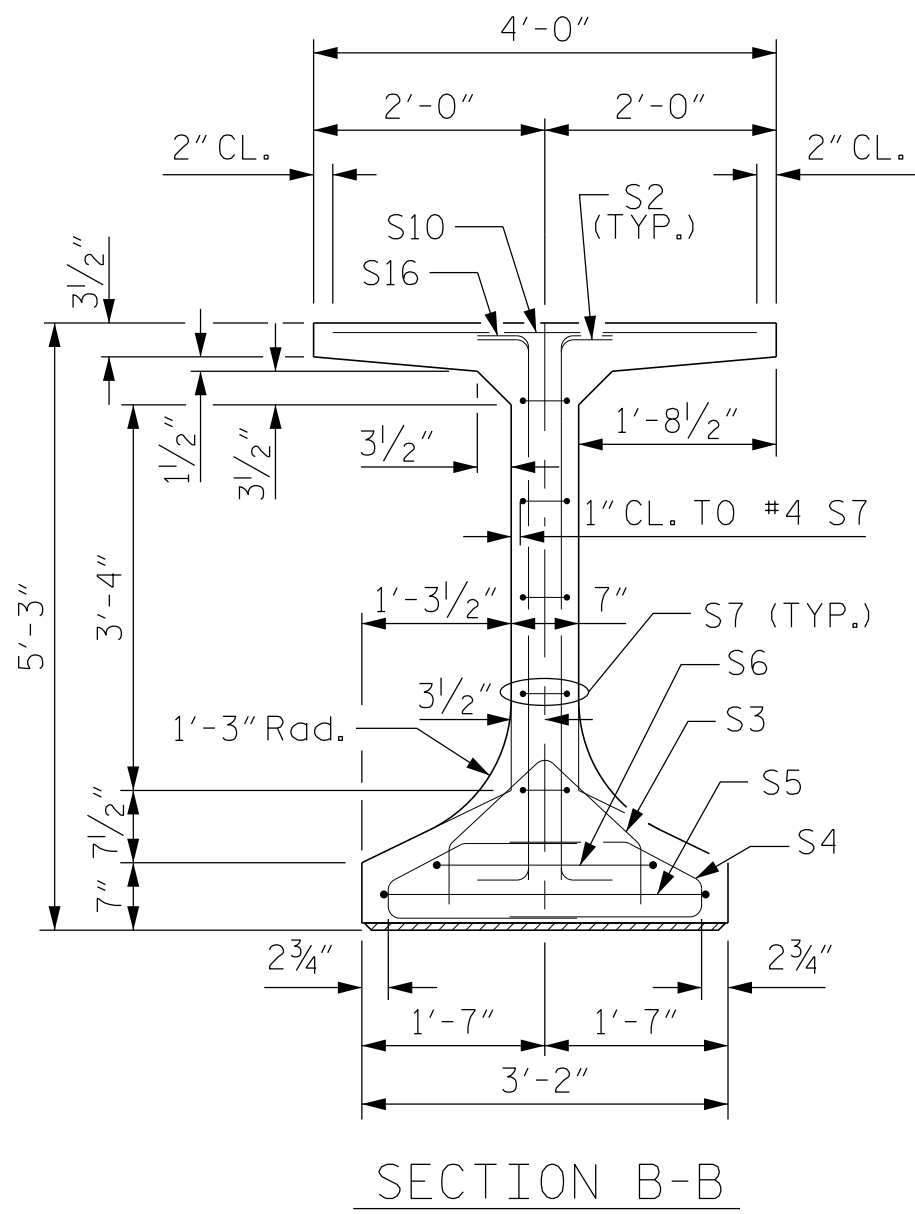
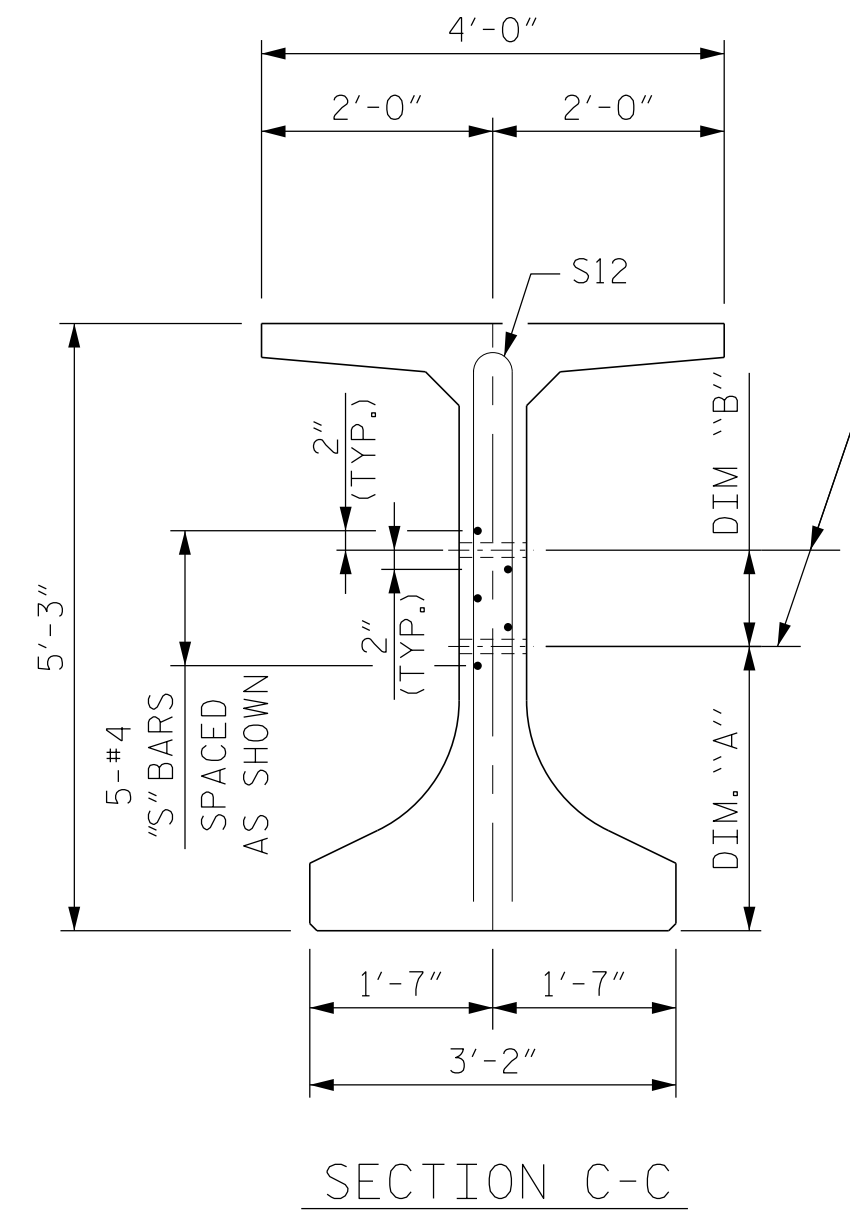


SECTION A-A

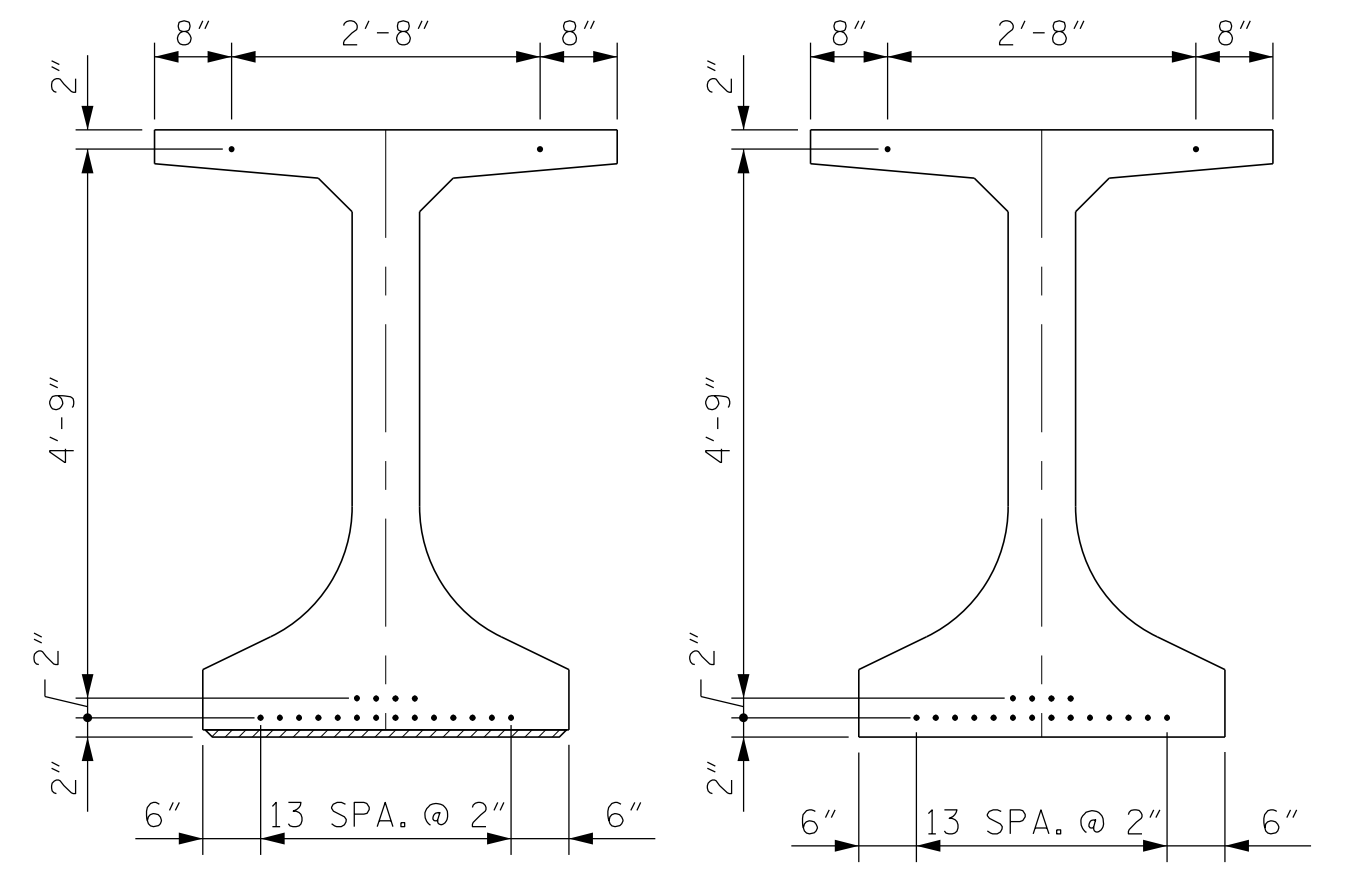


SECTION B-B



SECTION C-C

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

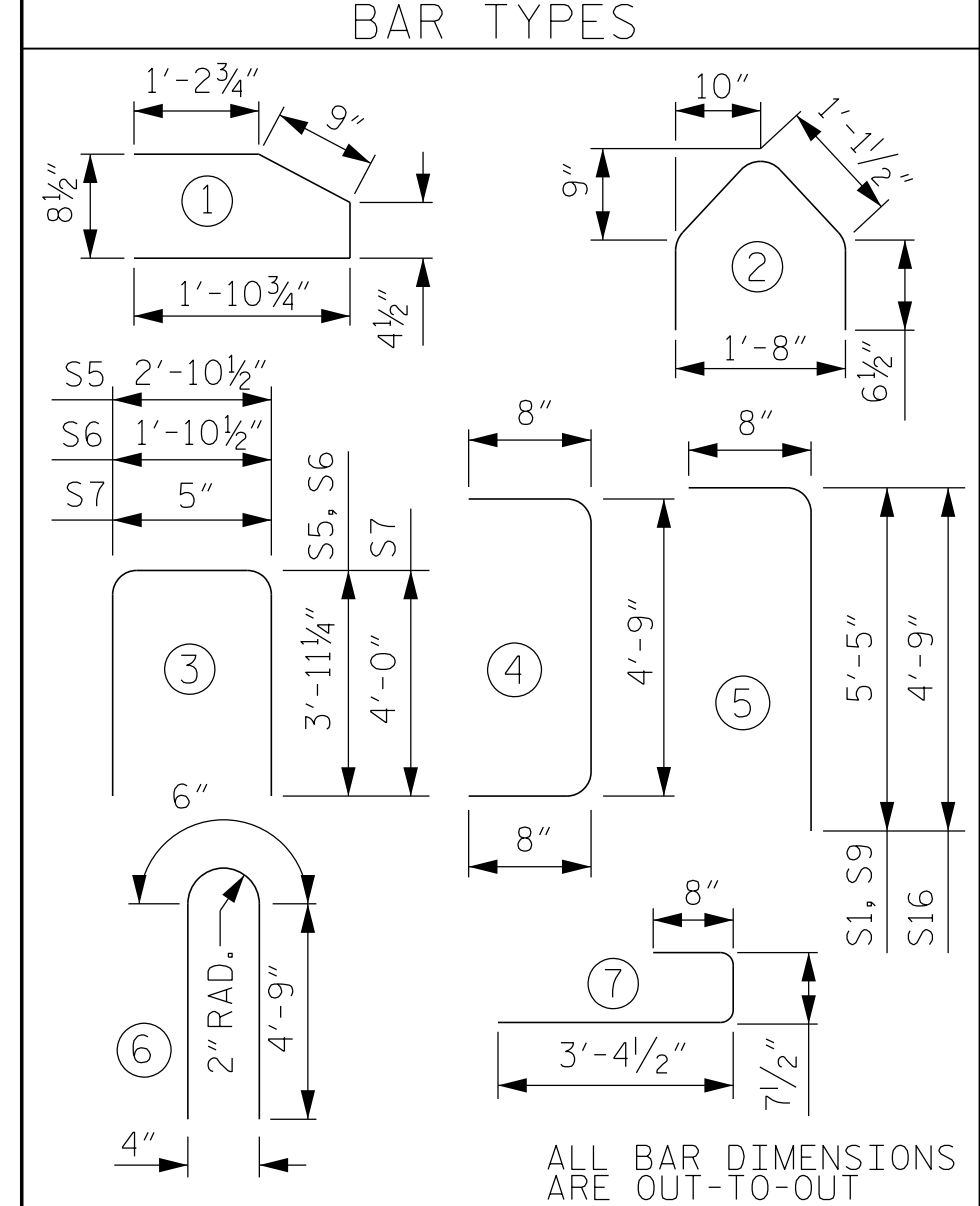


AT END OF GIRDER AT 0 OF GIRDER
0.6" Ø LOW RELAXATION STRAND LAYOUT

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 GDR						
BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT	
S1	54	#5	5	6'-1"	343	
S2	28	#5	4	6'-1"	178	
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	172	#5	7	4'-8"	837	
S9	118	#4	5	6'-1"	480	
S10	40	#5	STR	3'-8"	153	
EXT. S12	4	#5	6	10'-0"	42	
INT. S12	8	#5	6	10'-0"	83	
EXT. S14	5	#4	STR	8'-0"	27	
INT. S15	5	#4	STR	14'-3"	48	
S16	22	#5	5	5'-5"	124	



ALL BAR DIMENSIONS ARE OUT-TO-OUT

GIRDER	QUANTITIES FOR ONE GIRDER	
	REINFORCING STEEL LB.	8,000 PSI CONCRETE C.Y.
AG1	-	3'-1/4"
AG2 & AG3	3'-1/4"	3'-1/4"
AG4	3'-1/4"	-

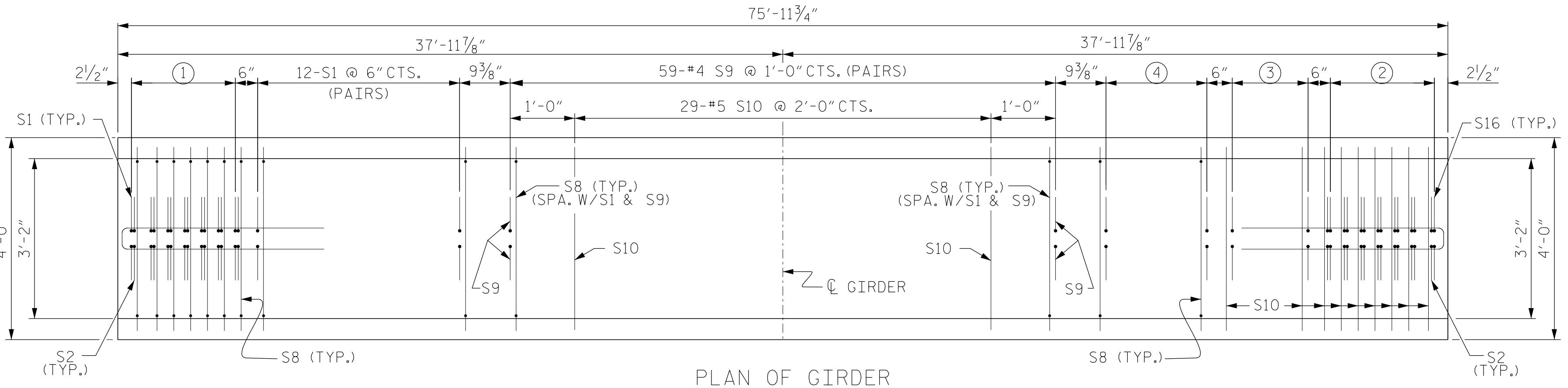
GIRDERS REQUIRED		
NUMBER	LENGTH	TOTAL LENGTH
4	75'-11 3/4"	303'-11"

PROJECT NO. BR-0070
CASWELL COUNTY
STATION: 30+57.00 -L-

SHEET 1 OF 5
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
SUPERSTRUCTURE
63" F.I.B. PRESTRESSED CONCRETE GIRDER SPAN A

REVISIONS						SHEET NO. S-12
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			TOTAL SHEETS 39
2			4			

- ① 7-S1 & S2 @ 4" CTS. (PAIRS)
- ② 7-S16 & S2 @ 4" CTS. (PAIRS)
- ③ 4-S16 @ 6" CTS. (PAIRS)
- ④ 8-S1 @ 6" CTS. (PAIRS)

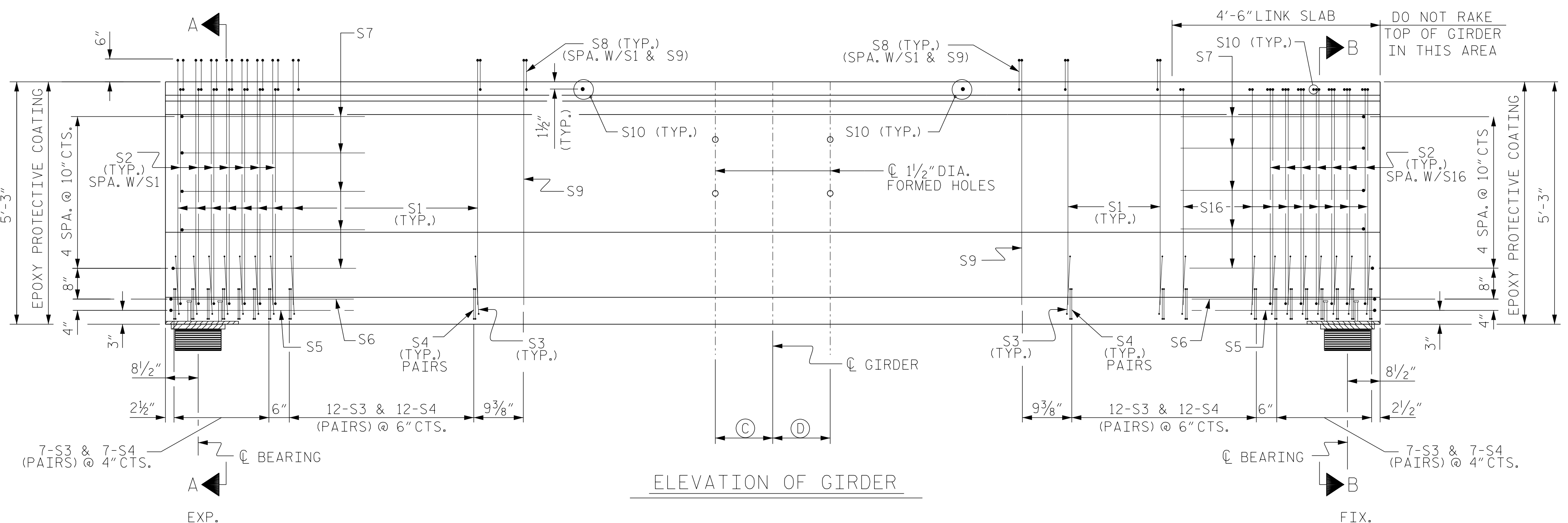


PLAN OF GIRDER

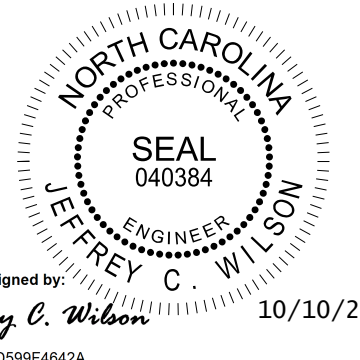
GIRDER	C	D
AG1	-	3'-1/4"
AG2 & AG3	3'-1/4"	3'-1/4"
AG4	3'-1/4"	-

NOTES

FOR PARTIAL ELEVATIONS REFERENCING SECTION C-C, SEE "PRESTRESSED CONCRETE GIRDER FOR LINK SLAB DETAILS" SHEET 4 OF 5.



ELEVATION OF GIRDER



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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CHECKED BY: D. RUGGLES DATE: 10/22
DESIGN ENGINEER OF RECORD: J. WILSON DATE: 10/22

BR-0070
10/10/2022
BR-0070-SMU.G1.160061.dgn
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