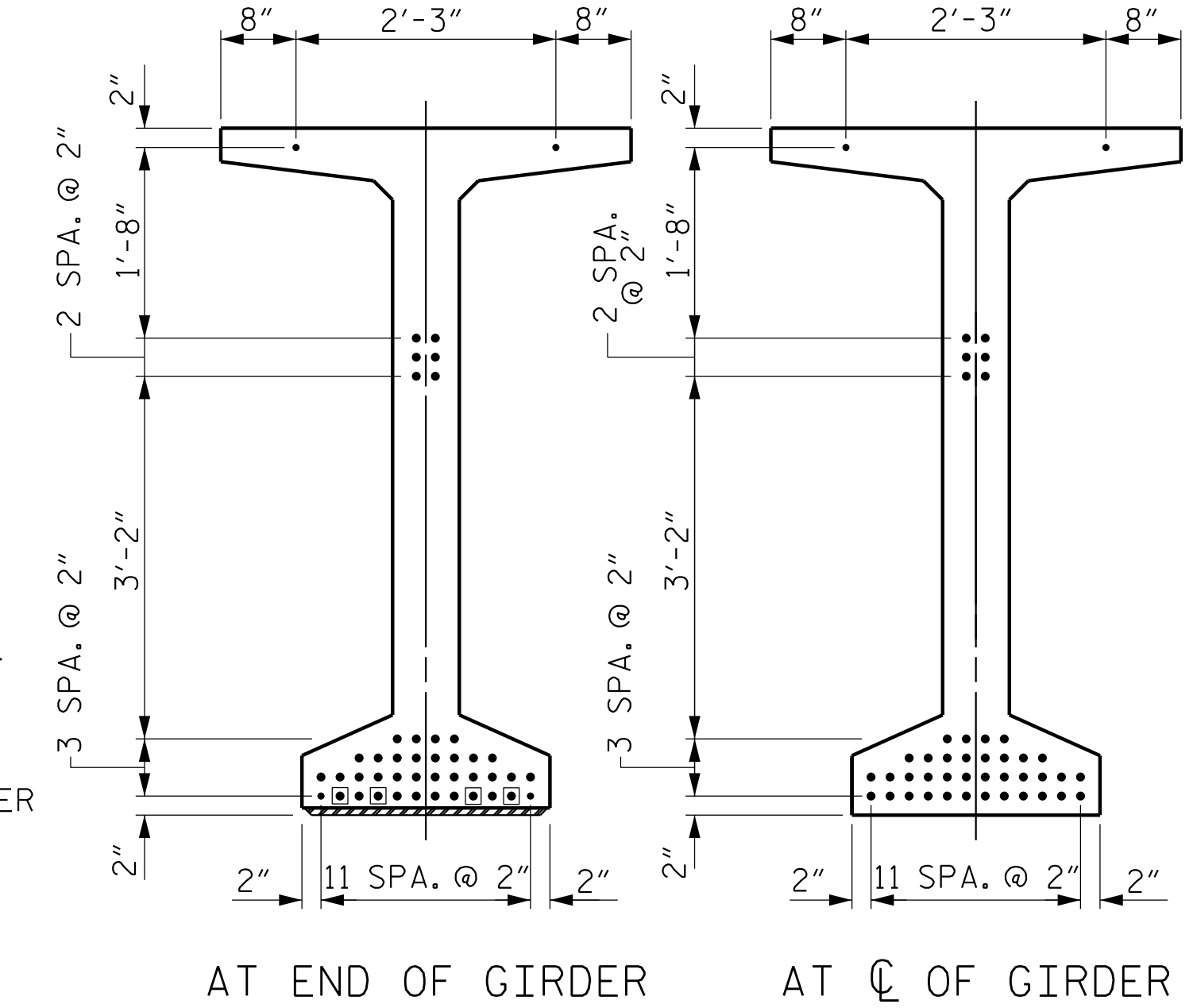


1/2" Ø FORMED HOLE. SEE "FRAMING PLAN SHEET" FOR LOCATION. FOR DIM. "A", "B" & "C" SEE "INTERMEDIATE STEEL DIAPHRAGMS SHEET."

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

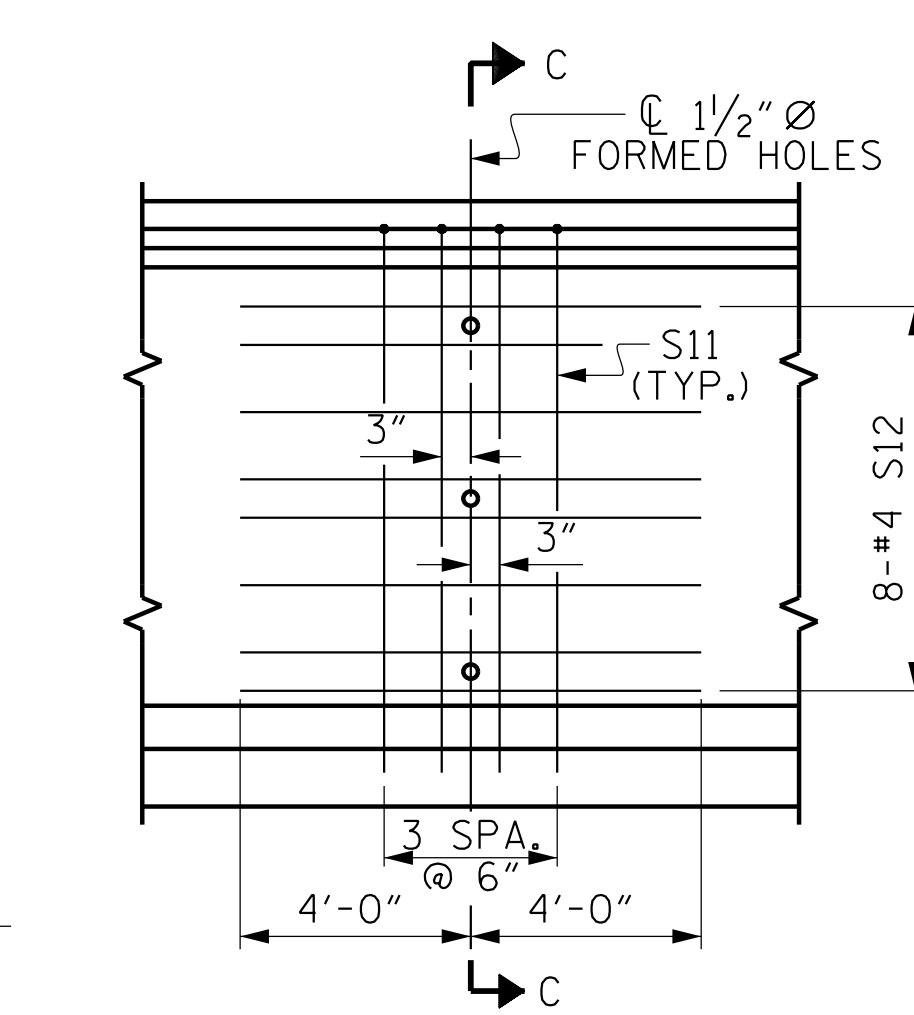
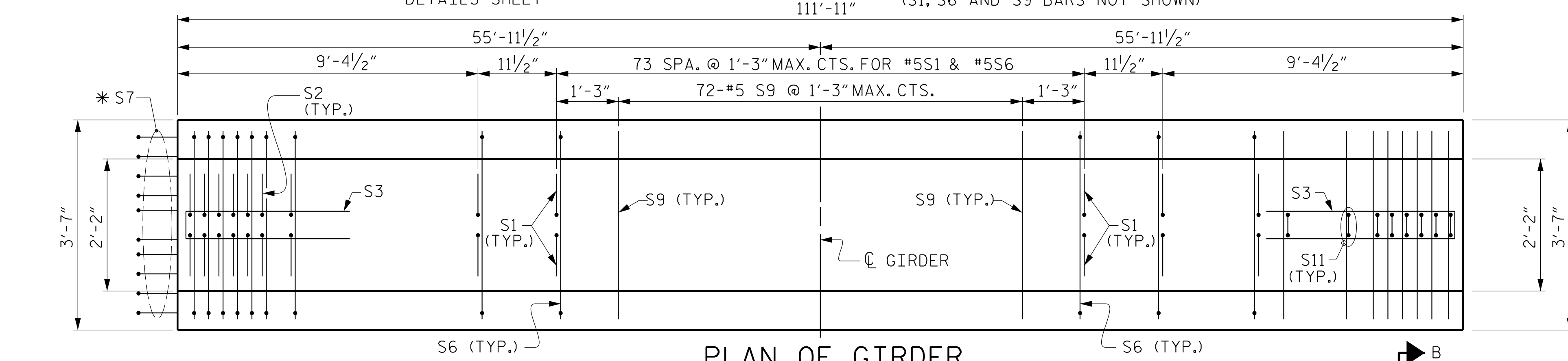
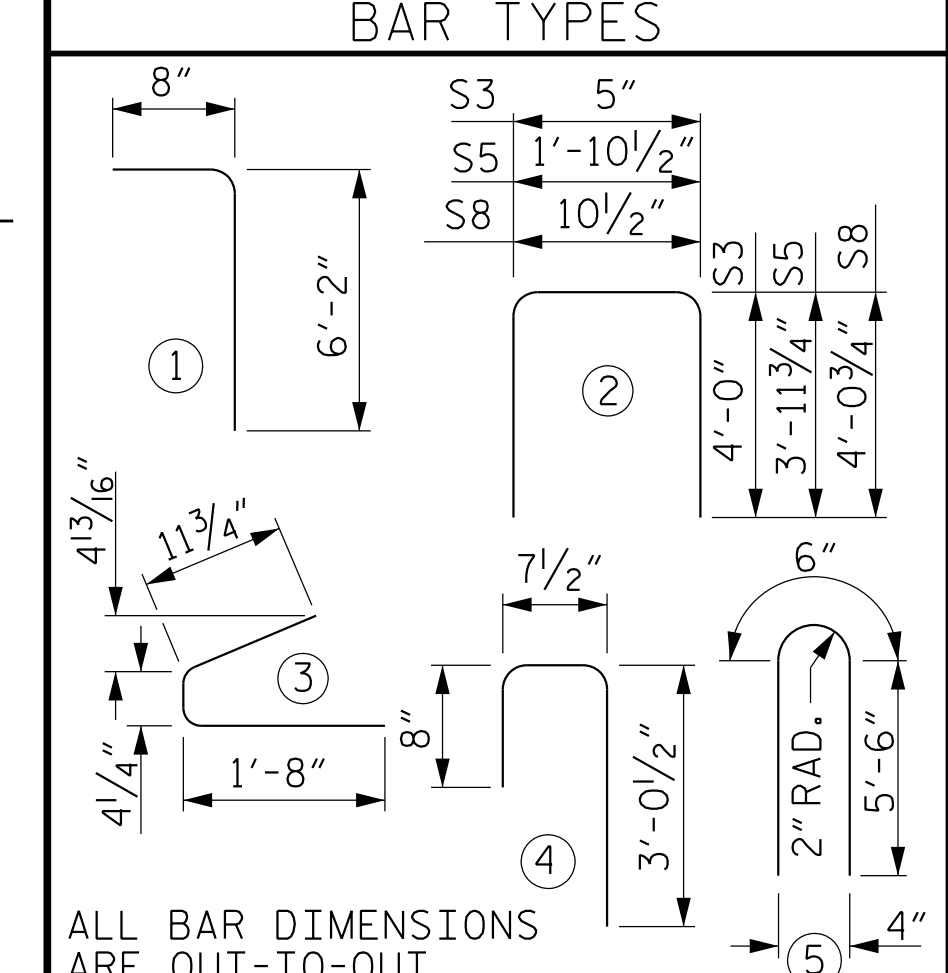


0.6" Ø L.R. GRADE 270 STRANDS		
AREA (SQUARE INCHES)	ULTIMATE STRENGTH (LBS. PER STRAND)	APPLIED PRESTRESS (LBS. PER STRAND)
0.217	58,600	43,950

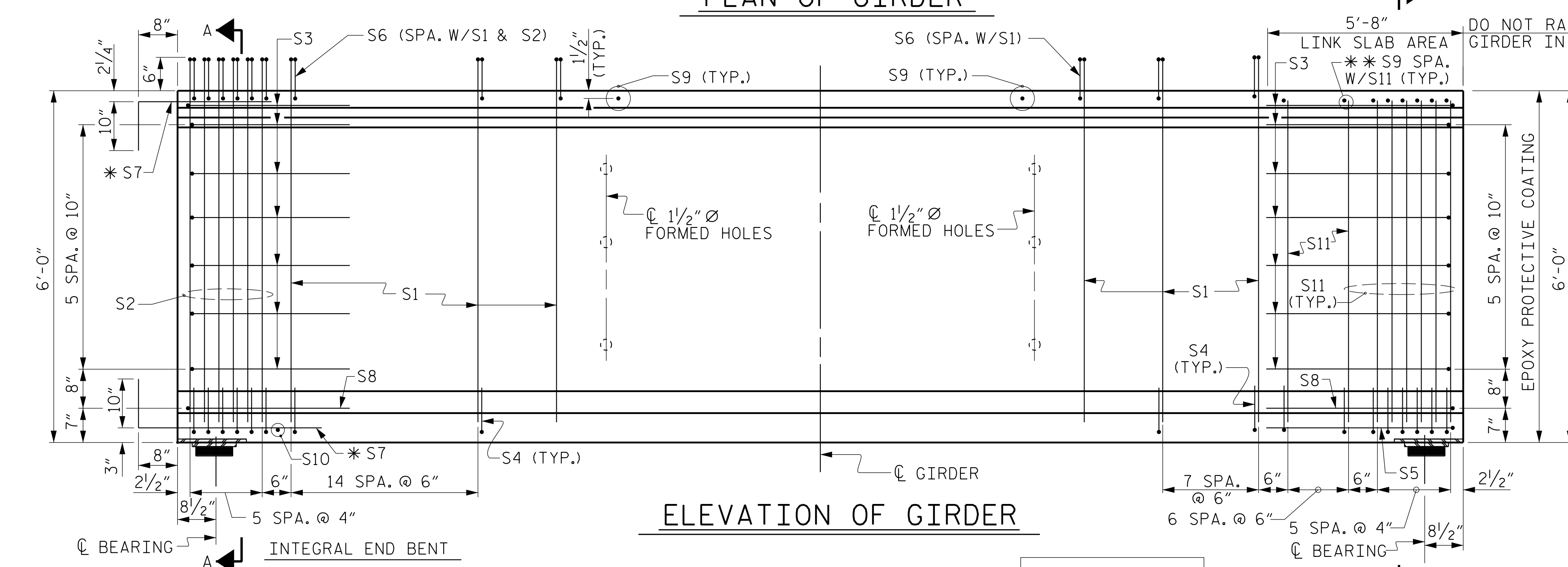
REINFORCING STEEL FOR ONE GDR					
BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT
S1	194	#5	1	6'-10"	1383
S2	12	#5	1	6'-10"	86
S3	14	#4	2	8'-5"	79
S4	84	#4	3	3'-0"	168
S5	1	#5	2	9'-10"	10
S6	206	#5	4	4'-4"	931
S7	20	#5	STR	3'-8"	77
S8	2	#5	2	9'-0"	19
S9	94	#5	STR	3'-3"	319
S10	1	#3	STR	1'-10"	1
S11	21	#5	5	11'-6"	252
S12	16	#4	STR	8'-0"	86

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



QUANTITIES FOR ONE GIRDER			
GIRDERS	REINFORCING STEEL LB.	9000 PSI CONCRETE C.Y.	0.6" Ø L.R. STRANDS No.
4	3411	24.0	44

GIRDERS REQUIRED		
NUMBER	LENGTH	TOTAL LENGTH
4	111'-11"	447'-8"



\*\* WITHIN LINK SLAB AREA ONLY

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

PLANS PREPARED BY:  
**NV5**  
 NV5 ENGINEERS & CONSULTANTS, INC.  
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 NC License # F13333 formerly CALXX Engineers & Consultants

THIS STANDARD DRAWING REVIEWED & ADOPTED FOR USE AT THE REFERENCED LOCATION BY THE UNDERSIGNED:



PROJECT NO. **R-5819**  
 COLUMBUS COUNTY  
 STATION: **40+06.72 -Y2- POT**

SHEET 1 OF 6  
 STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH  
 STANDARD  
**72" PRESTRESSED CONCRETE MODIFIED BULB TEE LINK SLAB - SPAN A**

REVISIONS					
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		

SHEET NO. **S1-14**  
 TOTAL SHEETS **38**

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ASSEMBLED BY: **W. B. ALLEN** DATE: 11/21  
 CHECKED BY: **M. D. METZGER** DATE: 1/22  
 DRAWN BY: **BNB 9/21**  
 CHECKED BY: **AAI 9/21**

4/12/2022