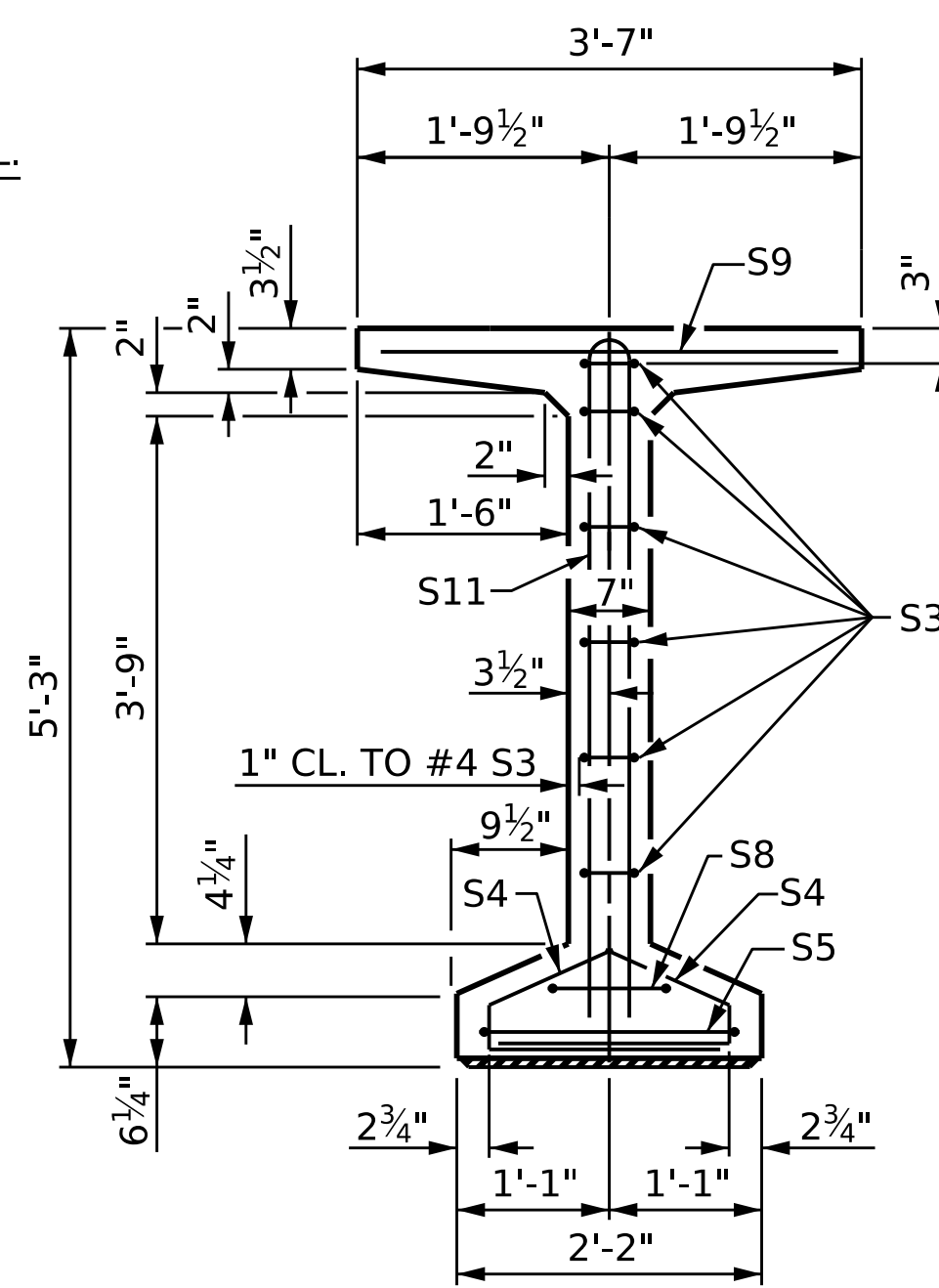
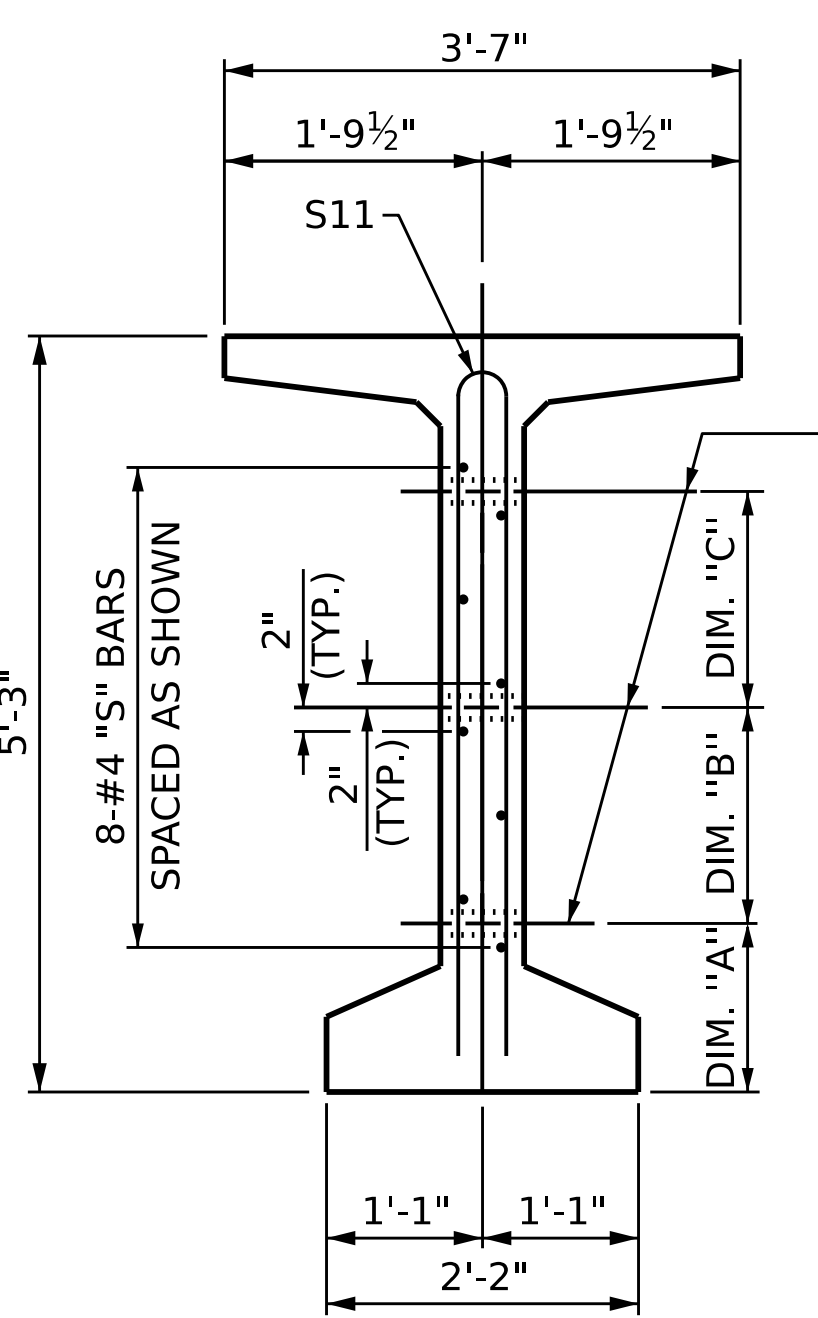


SECTION A-A



SECTION B-B



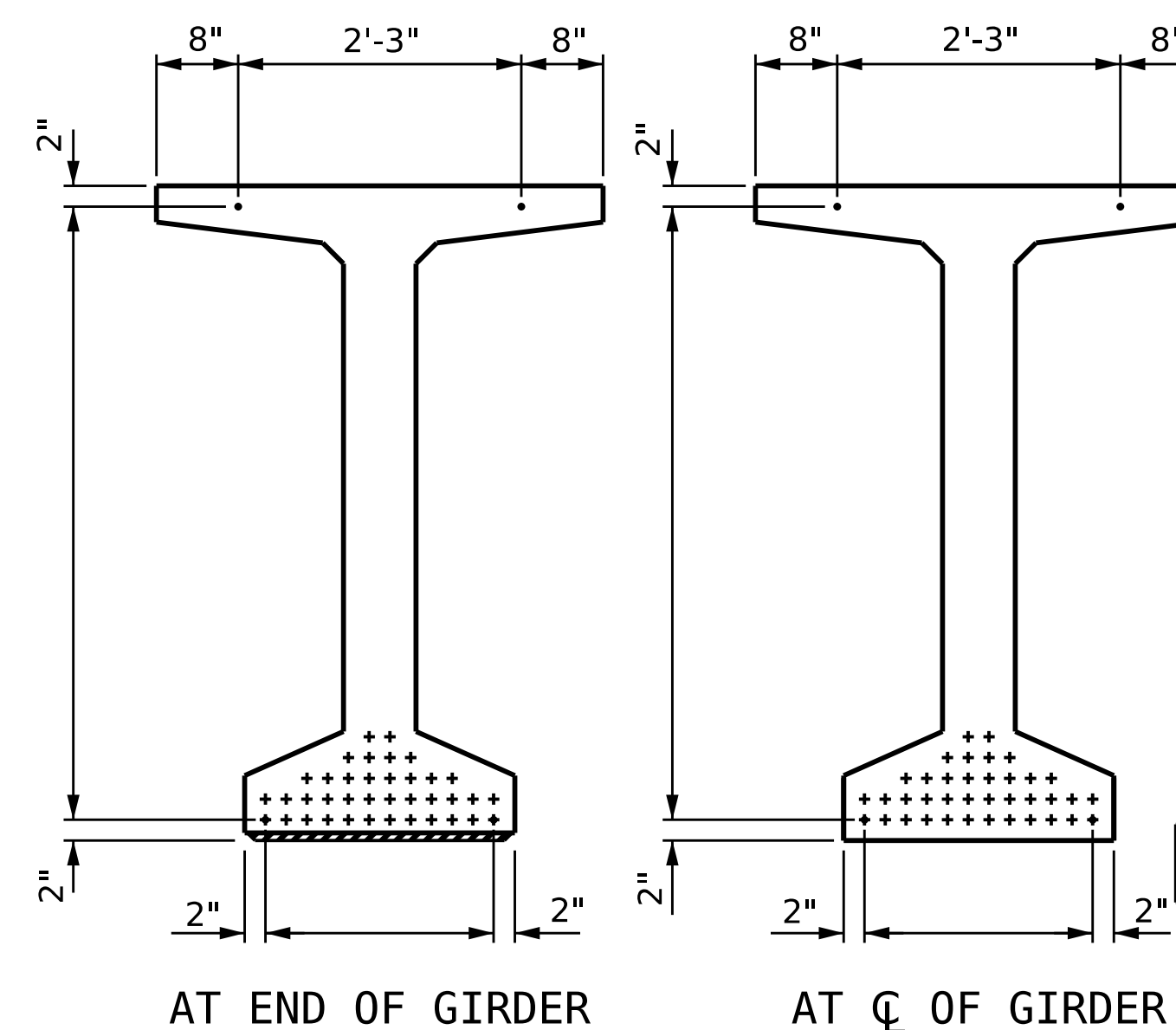
SECTION C-C

(S1, S6 AND S9 BARS NOT SHOWN)

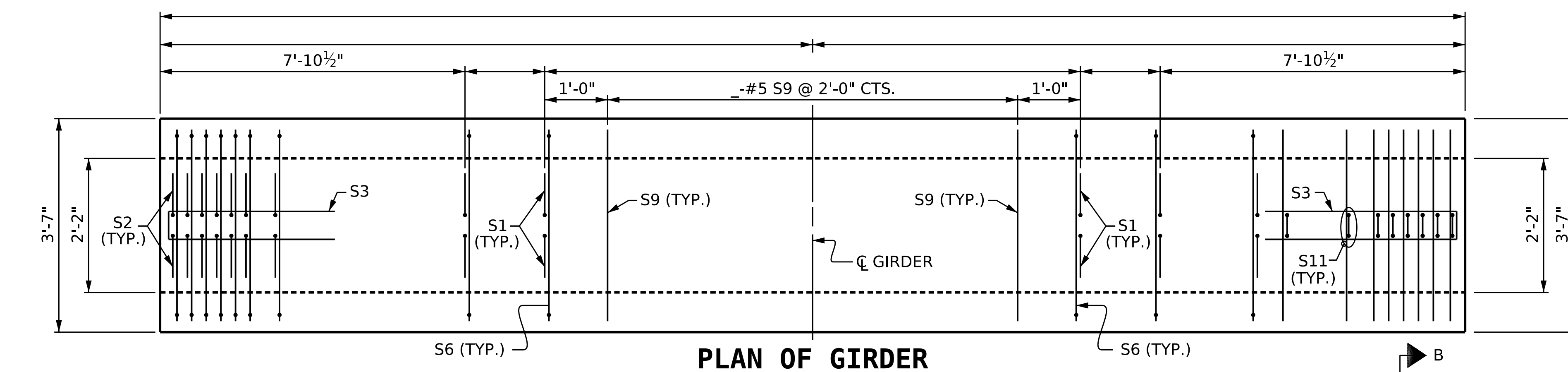
1/2" Ø FORMED HOLE. SEE ELEVATION FOR LOCATION. FOR DIM. "A", "B" & "C" SEE "INTERMEDIATE STEEL DIAPHRAGMS" SHEET.)

DEBONDING LEGEND

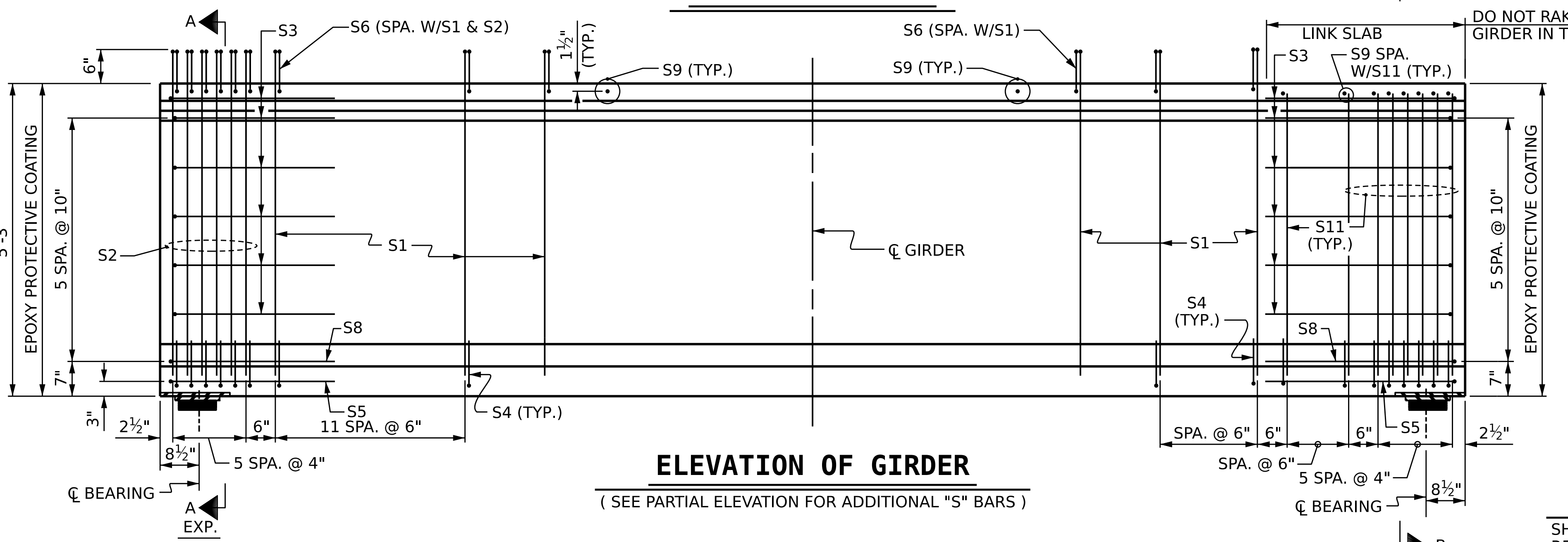
- FULLY BONDED STRANDS
- ◻ STRANDS DEBONDED FOR 4'-0" FROM END OF GIRDER
- ▲ STRANDS DEBONDED FOR 6'-0" FROM END OF GIRDER
- ⊙ STRANDS DEBONDED FOR 8'-0" FROM END OF GIRDER
- ◇ STRANDS DEBONDED FOR 10'-0" FROM END OF GIRDER
- ⊕ STRANDS DEBONDED FOR 12'-0" FROM END OF GIRDER



0.6" Ø LOW RELAXATION STRAND LAYOUT

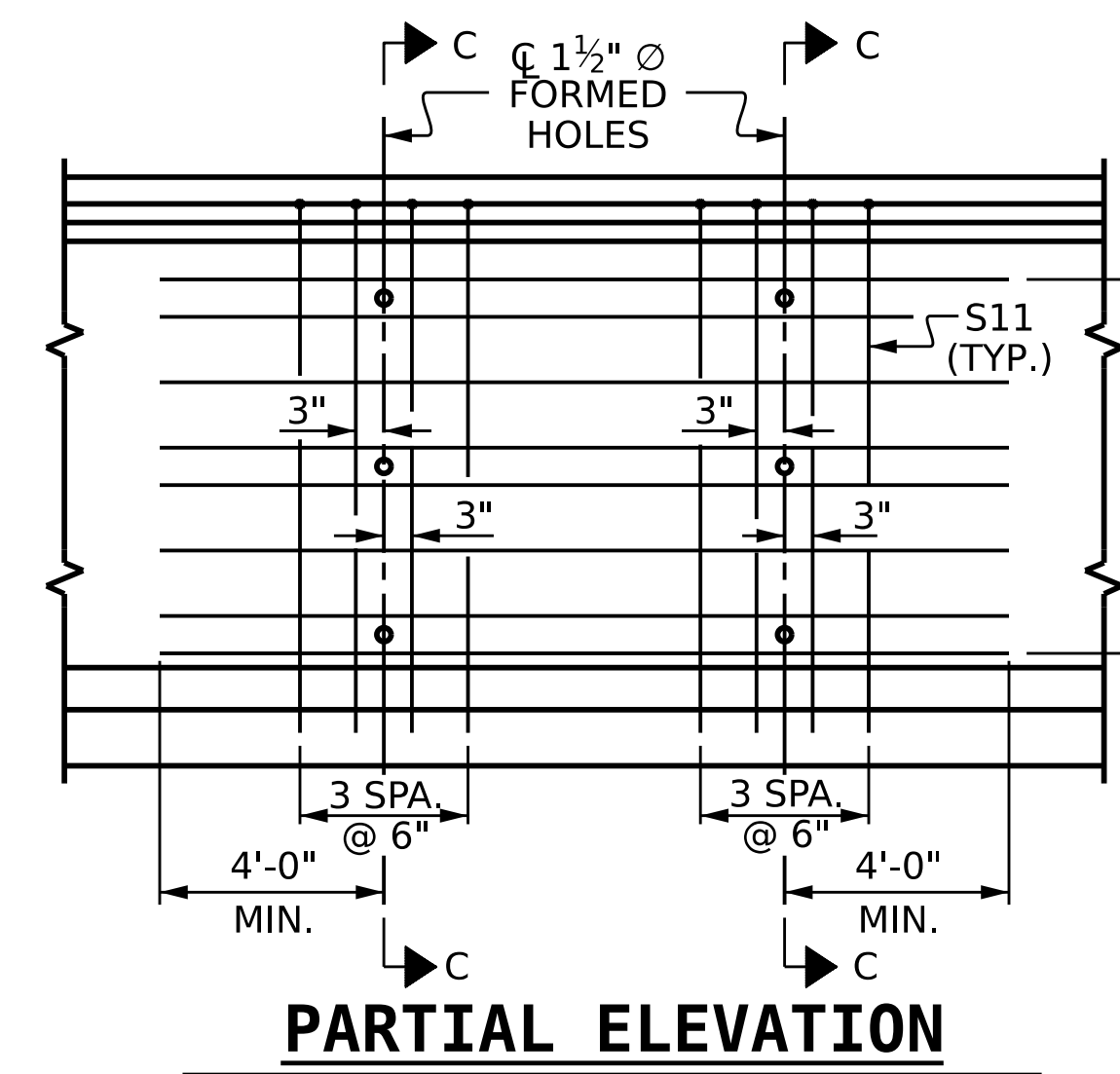


PLAN OF GIRDER



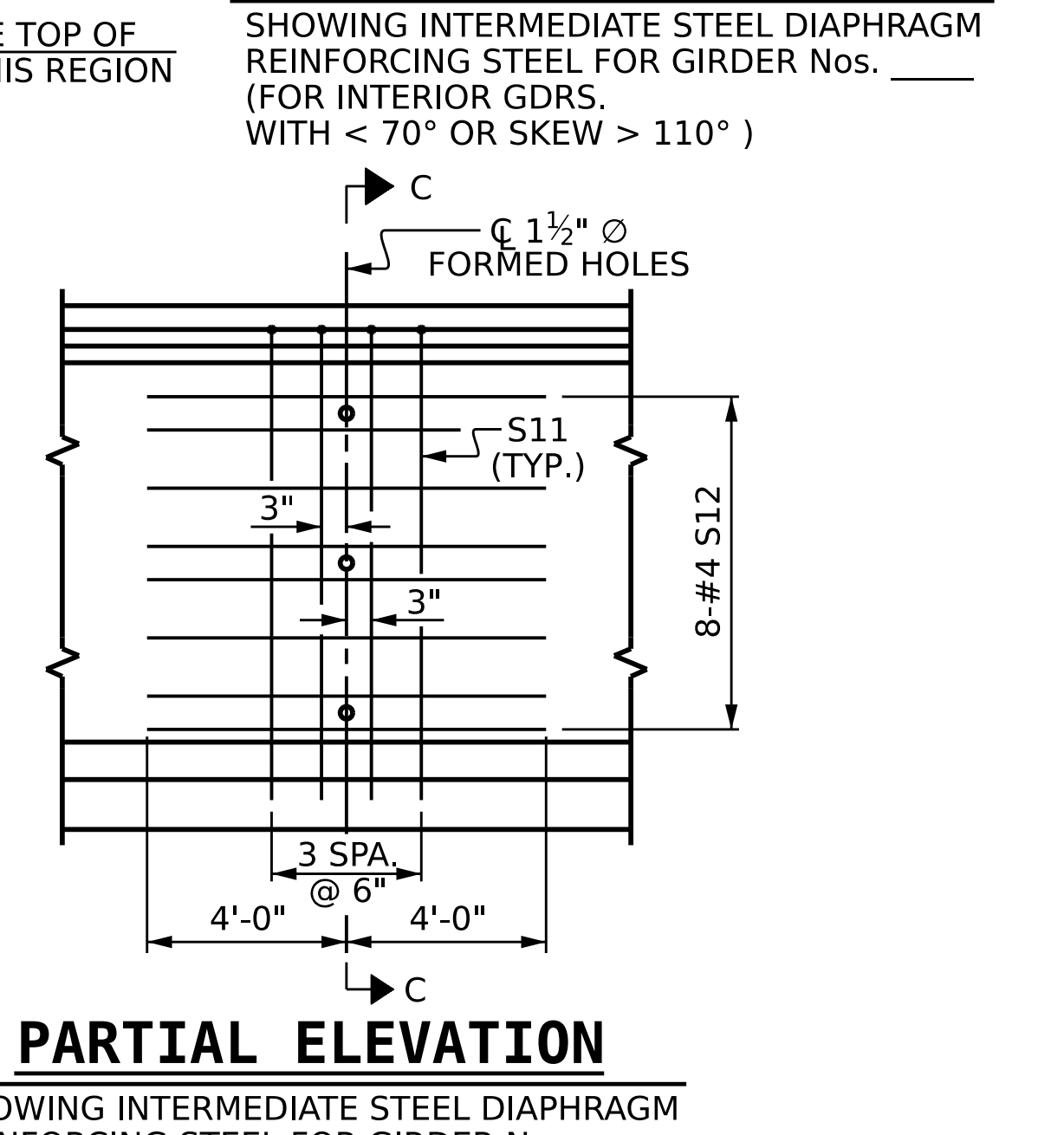
ELEVATION OF GIRDER

(SEE PARTIAL ELEVATION FOR ADDITIONAL "S" BARS)



PARTIAL ELEVATION

SHOWING INTERMEDIATE STEEL DIAPHRAGM REINFORCING STEEL FOR GIRDER Nos. _____ (FOR INTERIOR GDERS WITH < 70° OR SKEW > 110°)



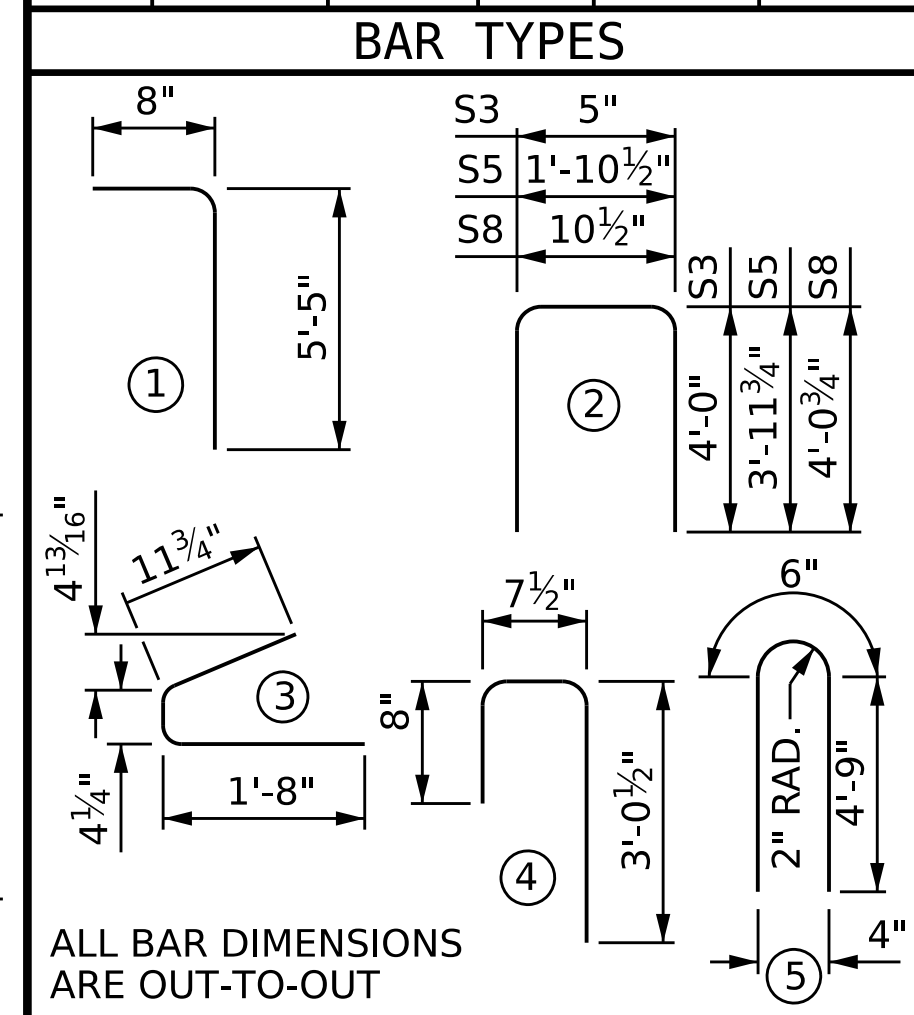
PARTIAL ELEVATION

SHOWING INTERMEDIATE STEEL DIAPHRAGM REINFORCING STEEL FOR GIRDER Nos. _____ (FOR ALL EXTERIOR GIRDERS AND INTERIOR GIRDERS WITH 70° ≤ SKEW ≤ 110°)

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	#4	1	6'-1"		
S2	12	#5	1	6'-1"	76
S3	12	#4	2	8'-5"	67
S4	72	#4	3	3'-0"	144
S5	2	#5	2	9'-10"	21
S6		#5	4	4'-4"	
S8	2	#5	2	9'-0"	19
S9		#5	STR	3'-3"	
S11		#5	5	10'-0"	
S12		#4	STR	8'-0"	
S		#4	STR		

BAR TYPES					
①	8"	S3	5"		
②	5'-5"	S5	1'-10 1/2"		
③	4'-0"	S8	10 1/2"		
④	3'-11 3/4"	S3			
⑤	4'-0 3/4"	S5			
⑥	4'-0 3/4"	S8			



QUANTITIES FOR ONE GIRDER			
GIRDERS	REINFORCING STEEL LB.	PSI	0.6" Ø L.R. STRANDS No.
		CONCRETE C.Y.	
INTERIOR			
EXTERIOR			

GIRDERS REQUIRED		
NUMBER	LENGTH	TOTAL LENGTH

ASSEMBLED BY : DATE :
 CHECKED BY : DATE :
 DRAWN BY : BNB 09/21
 CHECKED BY : AAI 09/21

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PROJECT NO. _____ COUNTY _____
 STATION: _____
 SHEET OF _____

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 STANDARD
63" PRESTRESSED CONCRETE MODIFIED BULB TEE LINK SLAB

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