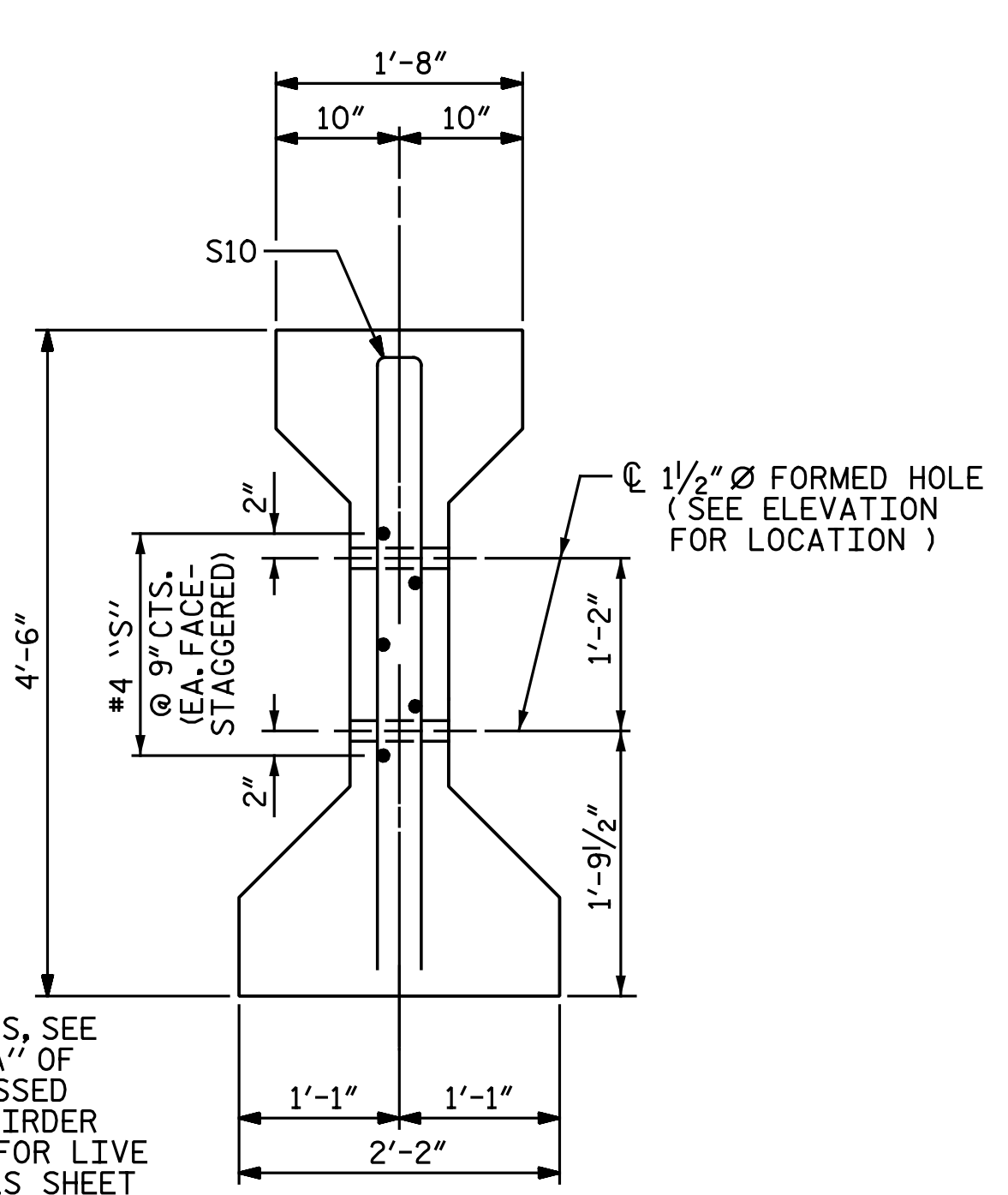


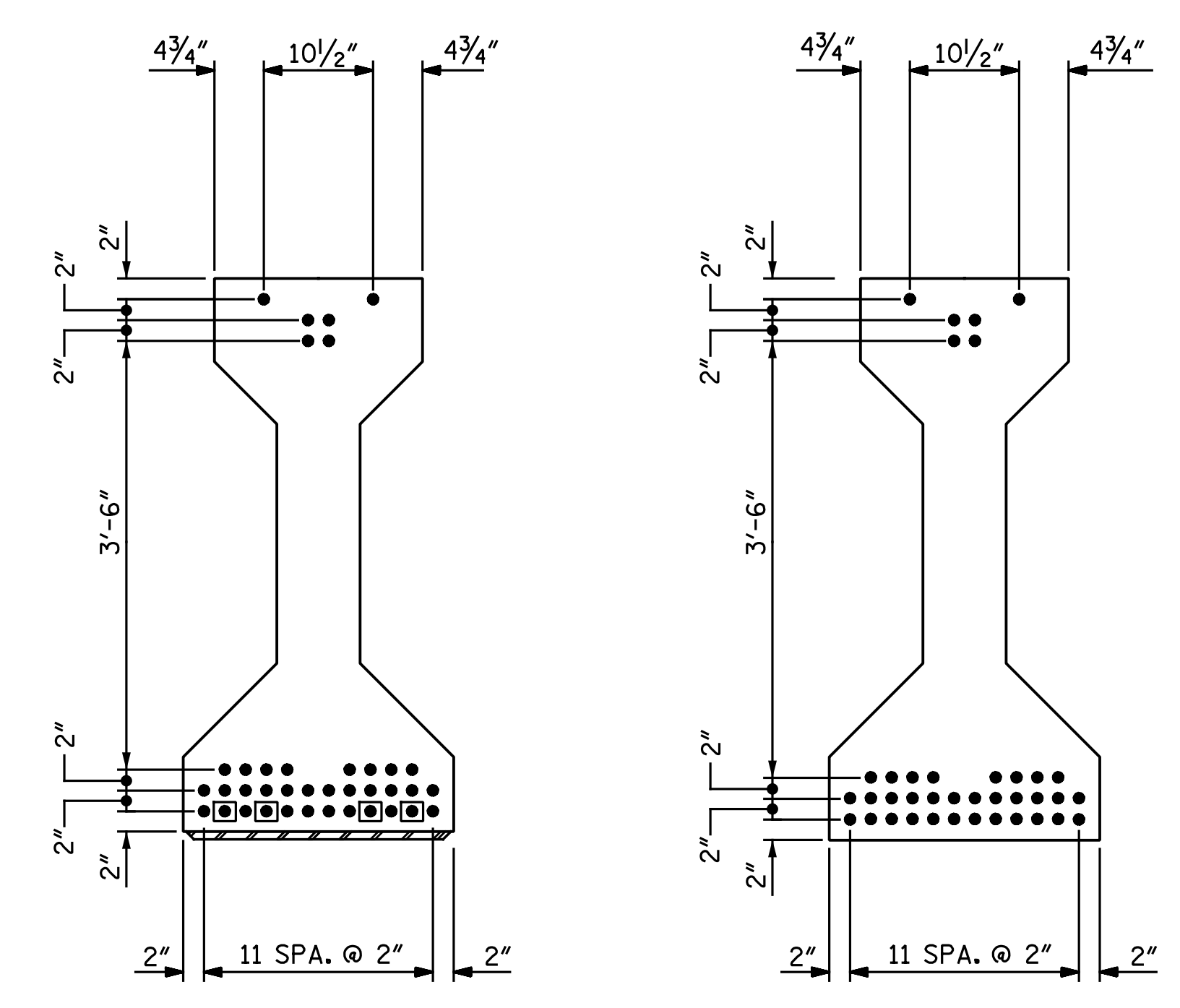
SECTION A-A

SECTION B-B



SECTION C-C
(S1 BARS NOT SHOWN)

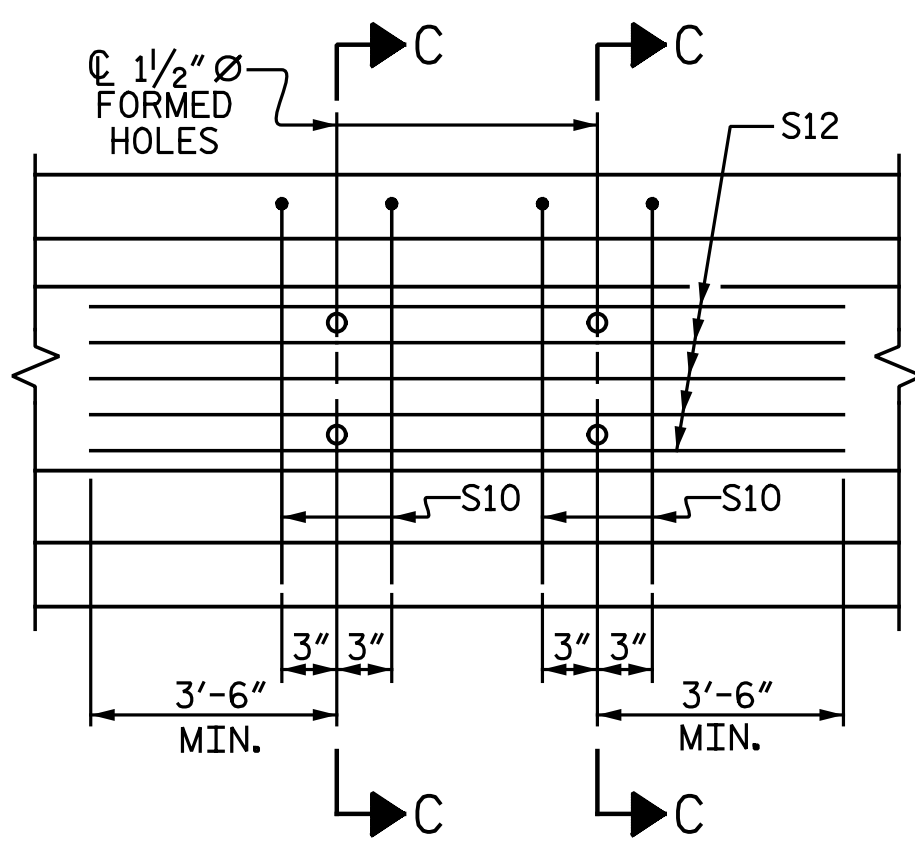
DEBONDING LEGEND
 ● FULLY BONDED STRANDS
 ◐ STRANDS DEBONDED FOR 4'-0" FROM END OF GIRDER



AT END OF GIRDER

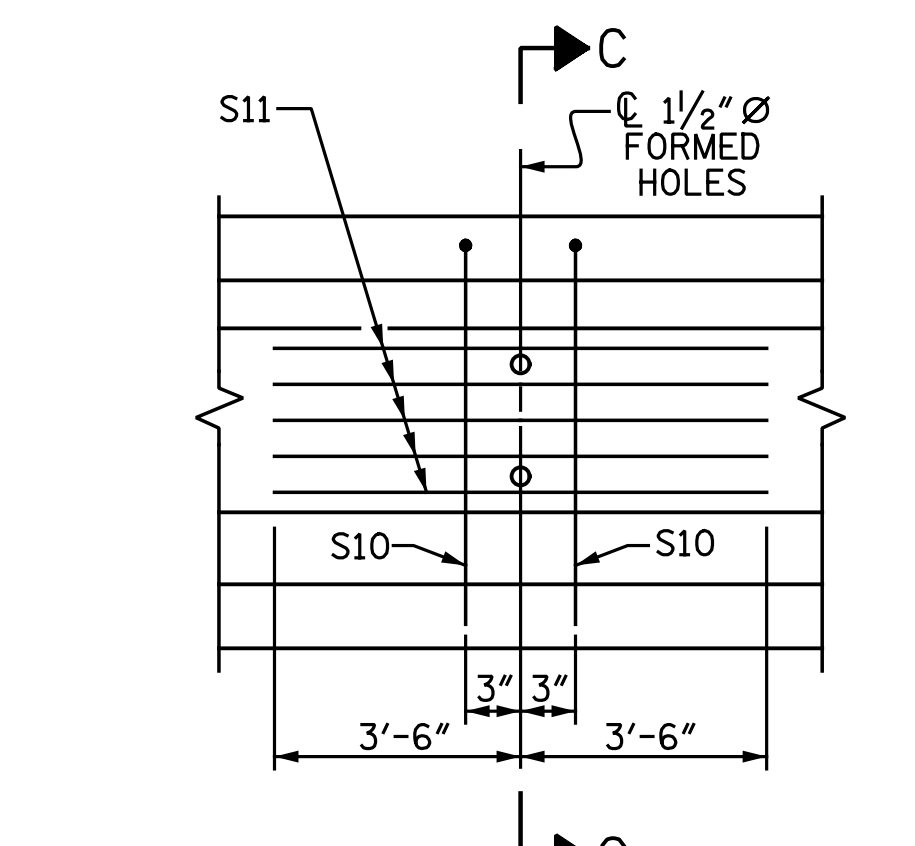
AT C OF GIRDER

0.6" Ø LOW RELAXATION STRAND LAYOUT



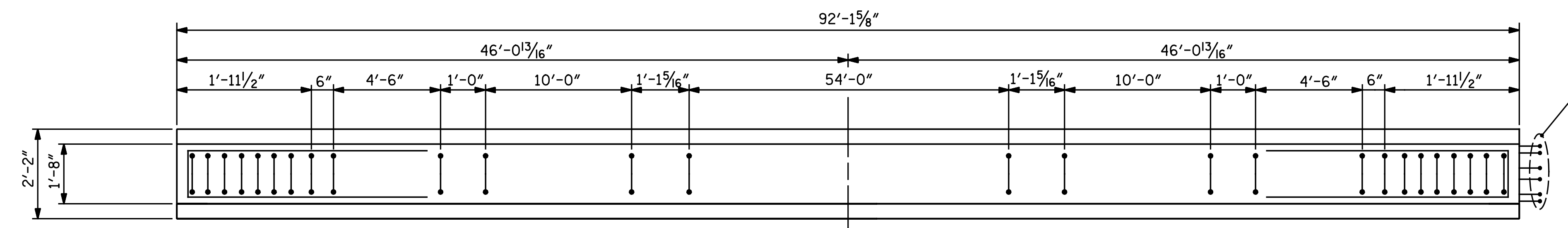
PARTIAL ELEVATION

SHOWING INTERMEDIATE DIAPHRAGM REINFORCING STEEL FOR GIRDER Nos. 2-5

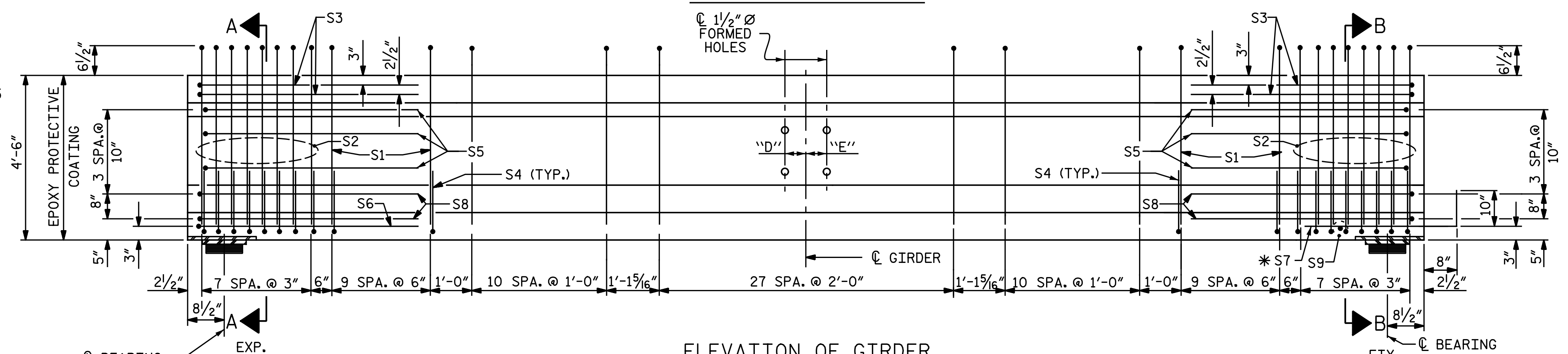


PARTIAL ELEVATION

SHOWING INTERMEDIATE DIAPHRAGM REINFORCING STEEL FOR GIRDER Nos. 1 AND 2



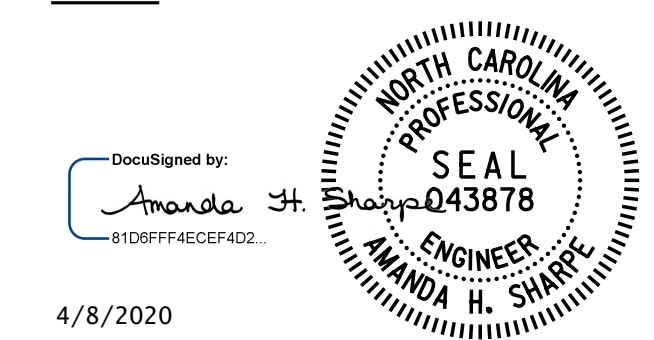
PLAN OF GIRDER



ELEVATION OF GIRDER

(SEE PARTIAL ELEVATION FOR ADDITIONAL "S" BARS)
(SPAN A SHOWN, SPAN B SIMILAR BY ROTATION)

FORMED HOLE LOCATIONS		
GIRDER	"D"	"E"
A1 OR B1	2'-7"	N/A
A2 OR B2	2'-7"	2'-7"
A3 OR B3	2'-7"	2'-7"
A4 OR B4	2'-7"	2'-7"
A5 OR B5	2'-7"	2'-7"
A6 OR B6	N/A	2'-7"



4/8/2020

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

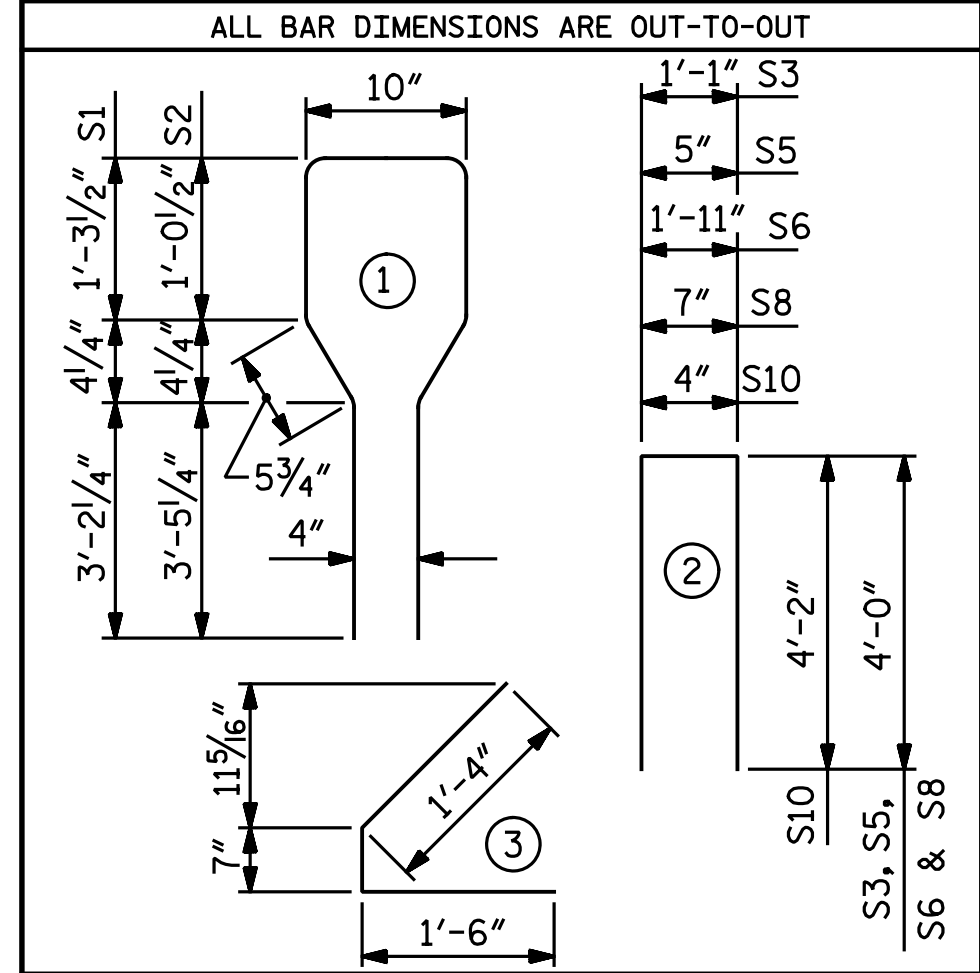


0.6" Ø L. R. GRADE 270 STRANDS		
AREA (SQ. INCHES)	ULTIMATE STRENGTH (LBS. PER STRAND)	APPLIED PRESTRESS (LBS. PER STRAND)
0.217	58,600	43,950

REINFORCING STEEL FOR ONE GIRDER						
BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT	
EXTERIOR GDR.	S1	70	#4	1	10'-9"	503
INTERIOR GDR.	S1	70	#4	1	10'-9"	503
	S2	16	#6	1	10'-9"	258
	S3	4	#4	2	9'-1"	24
	S4	72	#4	3	3'-5"	164
	S5	6	#4	2	8'-5"	34
	S6	1	#4	2	9'-11"	7
	*S7	6	#5	STR	3'-8"	23
	S8	4	#4	2	8'-7"	23
	S9	1	#3	STR	1'-10"	1
EXTERIOR GDR.	S10	2	#5	2	8'-8"	18
INTERIOR GDR.	S10	4	#5	2	8'-8"	36
EXTERIOR GDR.	S11	5	#4	STR	7'-0"	23
INTERIOR GDR.	S12	5	#4	STR	12'-2"	41

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

BAR TYPES



QUANTITIES FOR ONE GIRDER

	REINFORCING STEEL	8,500 PSI CONCRETE	0.6" Ø L. R. STRANDS
	LB.	C.Y.	No.
EXTERIOR GIRDER	1078	18.7	38
INTERIOR GIRDER	1114	18.7	38

GIRDERS REQUIRED

SPAN	NUMBER	LENGTH	TOTAL LENGTH
A	6	92.14'	552.84'
B	6	92.14'	552.84'
TOTAL	12	92.14'	1105.68'

PROJECT NO. I-5883
 HARNETT COUNTY
 STATION: 27+09.19 -Y16-

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 STANDARD
 AASHTO TYPE IV
 PRESTRESSED CONCRETE GIRDER
 CONTINUOUS FOR LIVE LOAD

SPANS A & B

REVISIONS						SHEET NO. SI-12
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			TOTAL SHEETS
2			4			35

ASSEMBLED BY : N.B. SPEAKS	DATE : 10-23-18
CHECKED BY : A.H. SHARPE	DATE : 11-5-18
DRAWN BY : ELR 8/91	REV. 10/1/11 MAA/GM
CHECKED BY : GRP 8/91	REV. 1/15 MAA/TMG
	REV. 12/17 MAA/THC