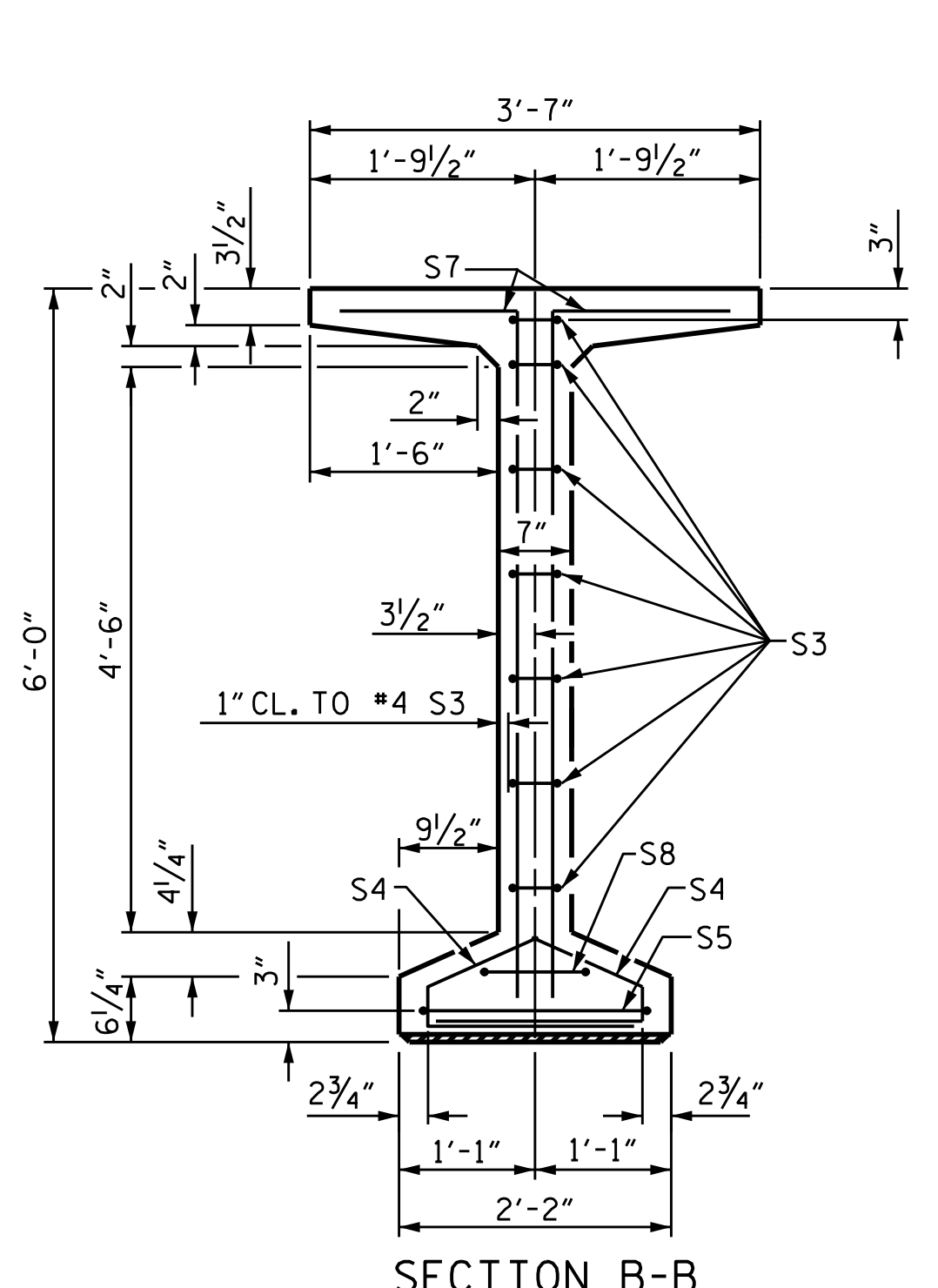
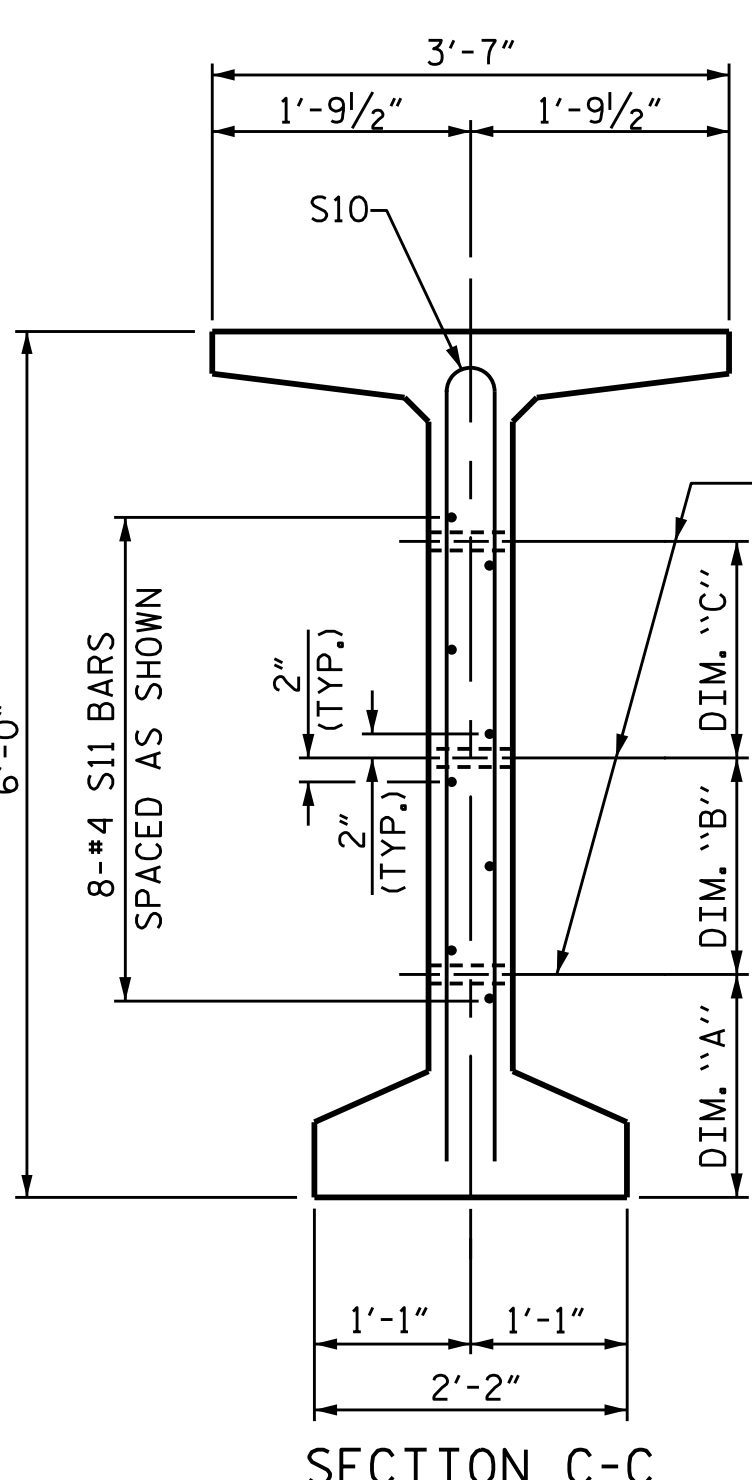


SECTION A-A



SECTION B-B

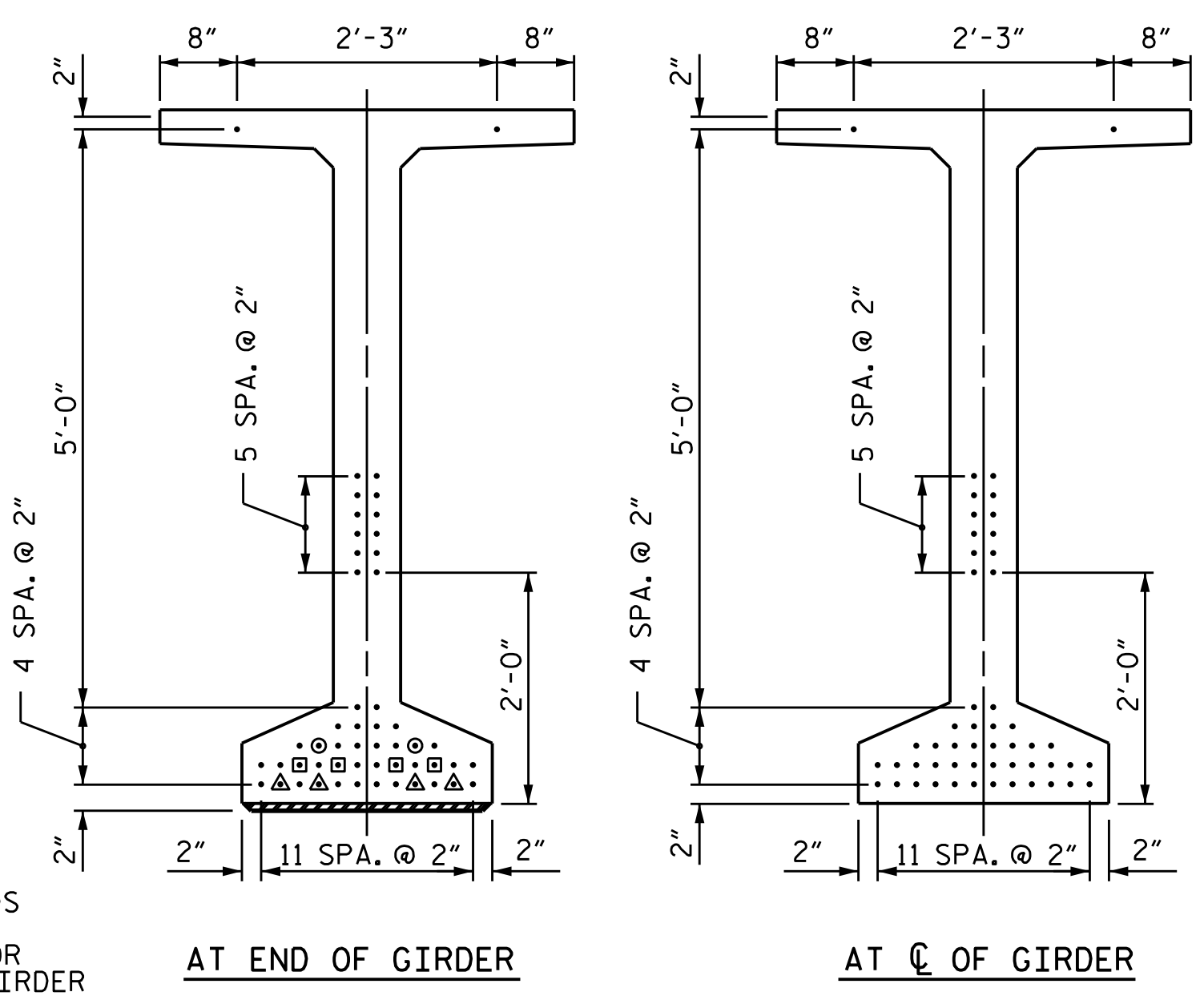


SECTION C-C

(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 26'-0" FROM END OF GIRDER
 - STRANDS DEBONDED FOR 18'-0" FROM END OF GIRDER
 - STRANDS DEBONDED FOR 12'-0" FROM END OF GIRDER

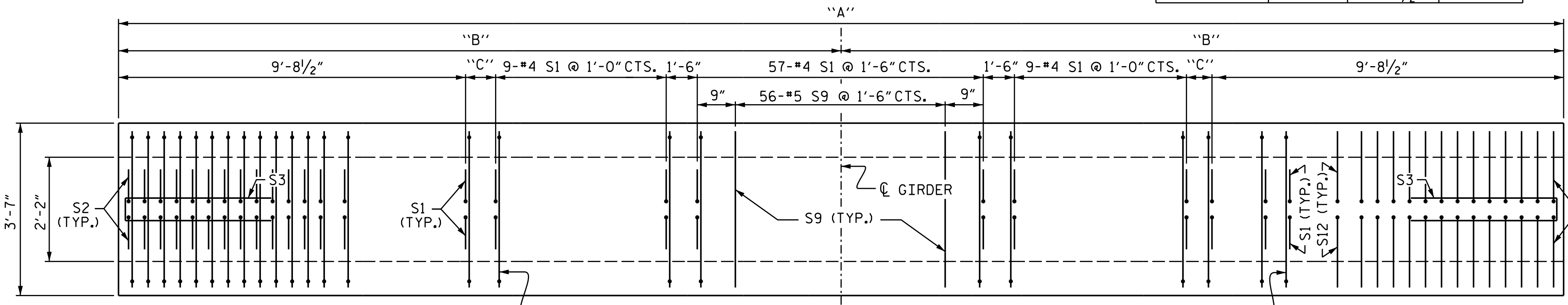


AT END OF GIRDER

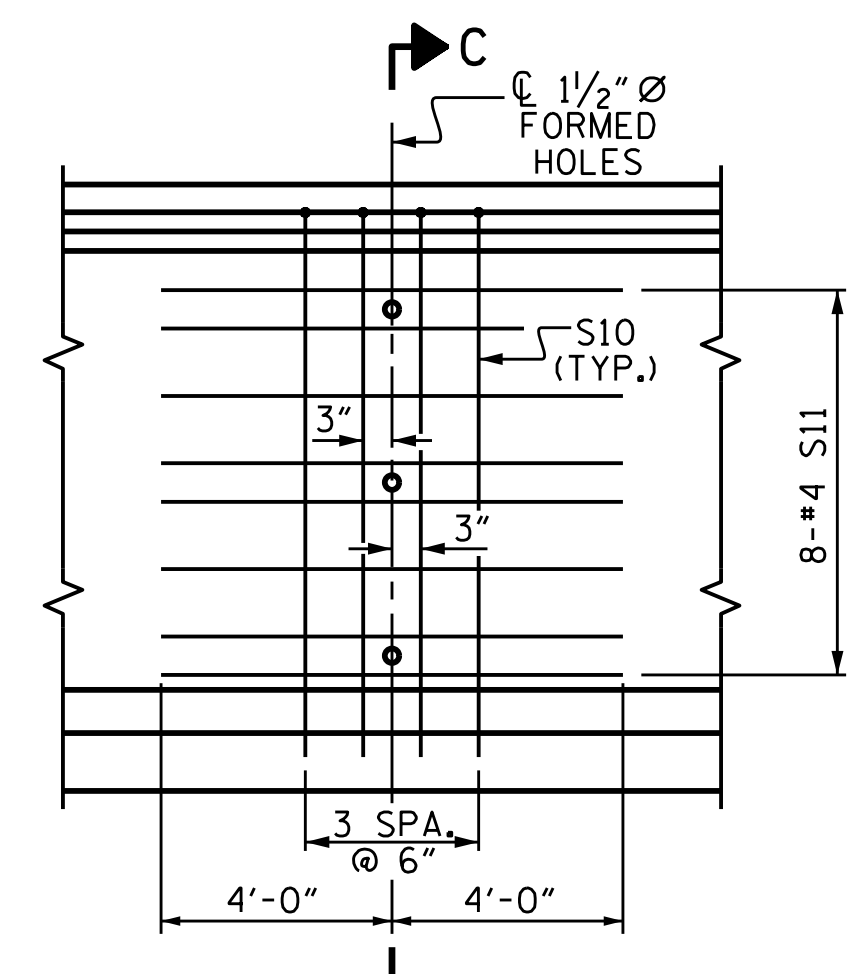
AT C OF GIRDER

0.6" Ø LOW RELAXATION STRAND LAYOUT

	"A"	"B"	"C"
GDR. A1	124'-5 3/8"	62'-2 1/16"	1'-0 3/16"
GDR. A2	124'-5 1/8"	62'-2 3/16"	1'-0 1/16"
GDR. A3 & A4	124'-5"	62'-2 1/2"	1'-0"

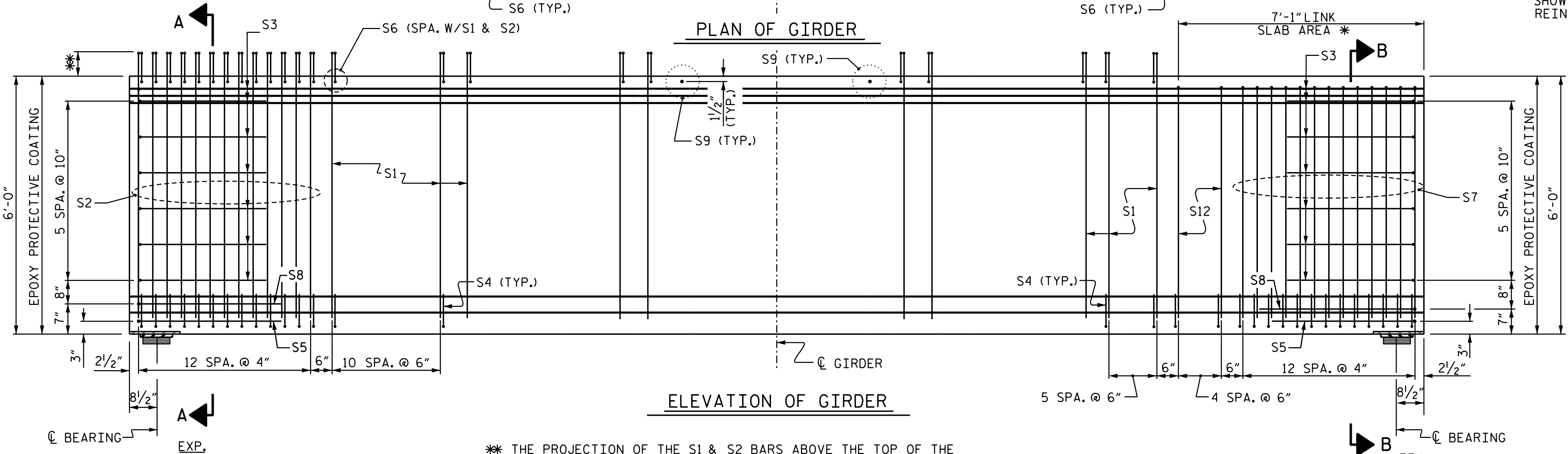


PLAN OF GIRDER



PARTIAL ELEVATION

SHOWING INTERMEDIATE STEEL DIAPHRAGM REINFORCING STEEL FOR GIRDER Nos. 1-4.



ELEVATION OF GIRDER

* THE PROJECTION OF THE S1 & S2 BARS ABOVE THE TOP OF THE GIRDER VARIES FROM 7" AT THE ENDS OF THE GIRDER TO 6" AT THE CENTERLINE OF THE GIRDER.

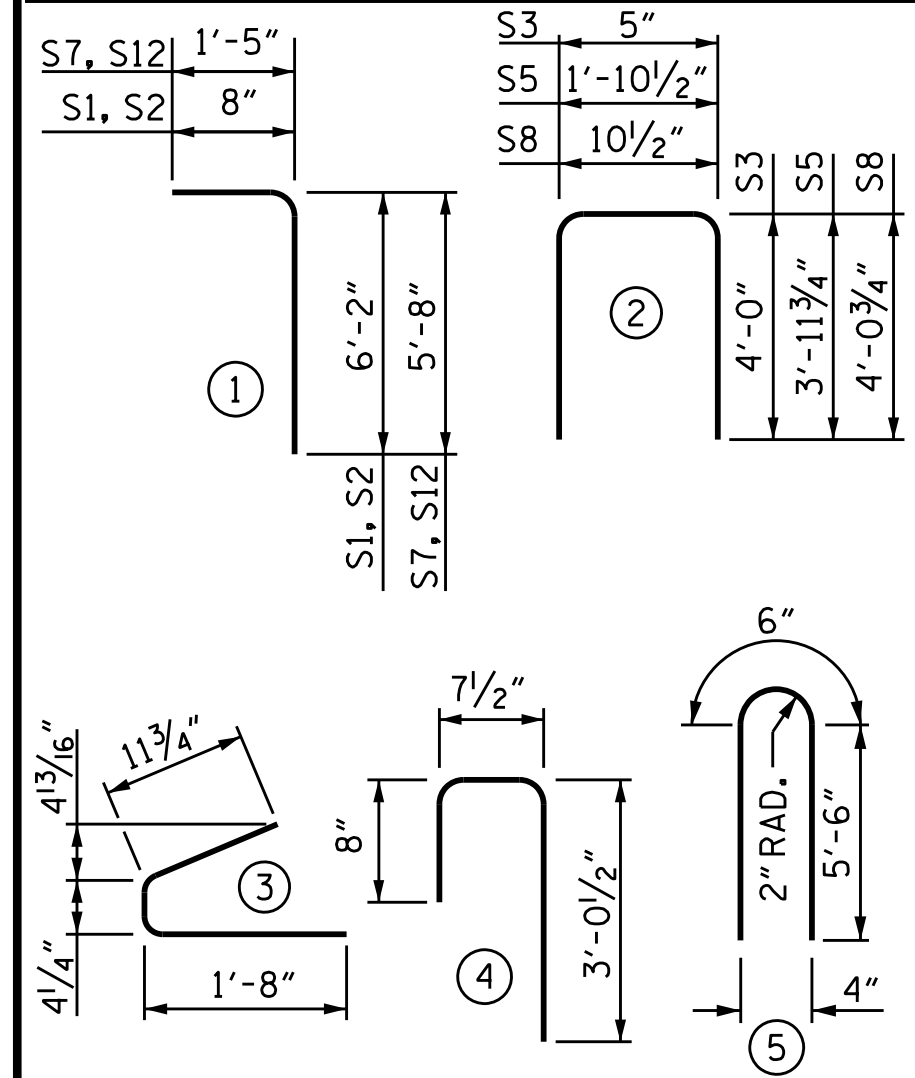
0.6" Ø L. R. GRADE 270 STRANDS

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	184	#4	1	6'-10"	840
S2	26	#5	1	6'-10"	185
S3	14	#4	2	8'-5"	79
S4	96	#4	3	3'-0"	192
S5	2	#5	2	9'-10"	21
S6	210	#5	4	4'-4"	949
S7	26	#5	1	7'-1"	192
S8	2	#5	2	9'-0"	19
S9	56	#5	STR	3'-3"	190
S10	8	#5	5	11'-6"	96
S11	16	#4	STR	8'-0"	86
S12	10	#4	1	7'-1"	47

BAR TYPES



ALL BAR DIMENSIONS ARE OUT-TO-OUT

QUANTITIES FOR ONE GIRDER

	REINFORCING STEEL		10,000 PSI CONCRETE		0.6" Ø L.R. STRANDS	
	LB.	C.Y.			No.	
GIRDERS 1-4	2896	26.7			52	

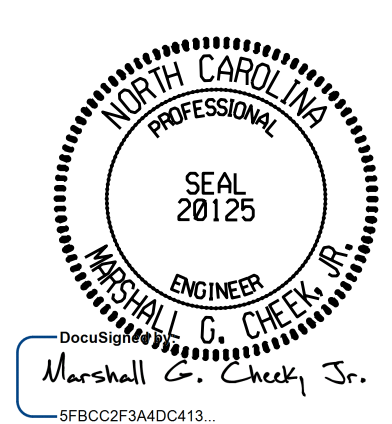
GIRDERS REQUIRED

NUMBER	LENGTH	TOTAL LENGTH
2	124'-5"	248'-10"
1	124'-5 3/8"	124'-5 3/8"
1	124'-5 1/8"	124'-5 1/8"

PROJECT NO. B-5825
 YADKIN/FORSYTH COUNTY
 STATION: 34+65.50 -L-

SHEET 1 OF 7

* DO NOT ROUGHEN TOP OF GIRDER IN THIS AREA



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED
 TGS ENGINEERS
 706 HILLSBOROUGH STREET SUITE 200
 RALEIGH, NC 27603
 PH (919) 773-8887
 CORP. LICENSE NO.: C-0275

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 72" PRESTRESSED CONCRETE MODIFIED BULB TEE
 CONTINUOUS FOR LIVE LOAD SPAN A

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			S-20
2			4			60

DRAWN BY: ZCS DATE: 12/19
 CHECKED BY: MGC DATE: 1/20
 DESIGN ENGINEER OF RECORD: TBE DATE: 2/20