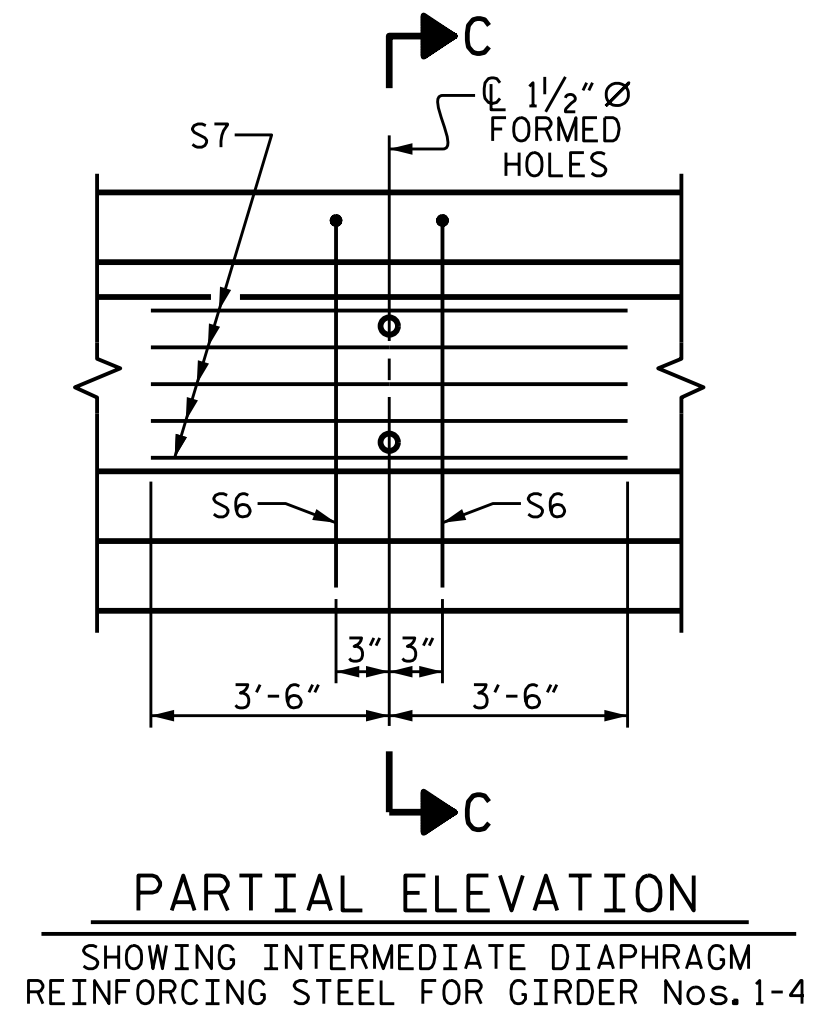


SECTION A-A

SECTION B-B

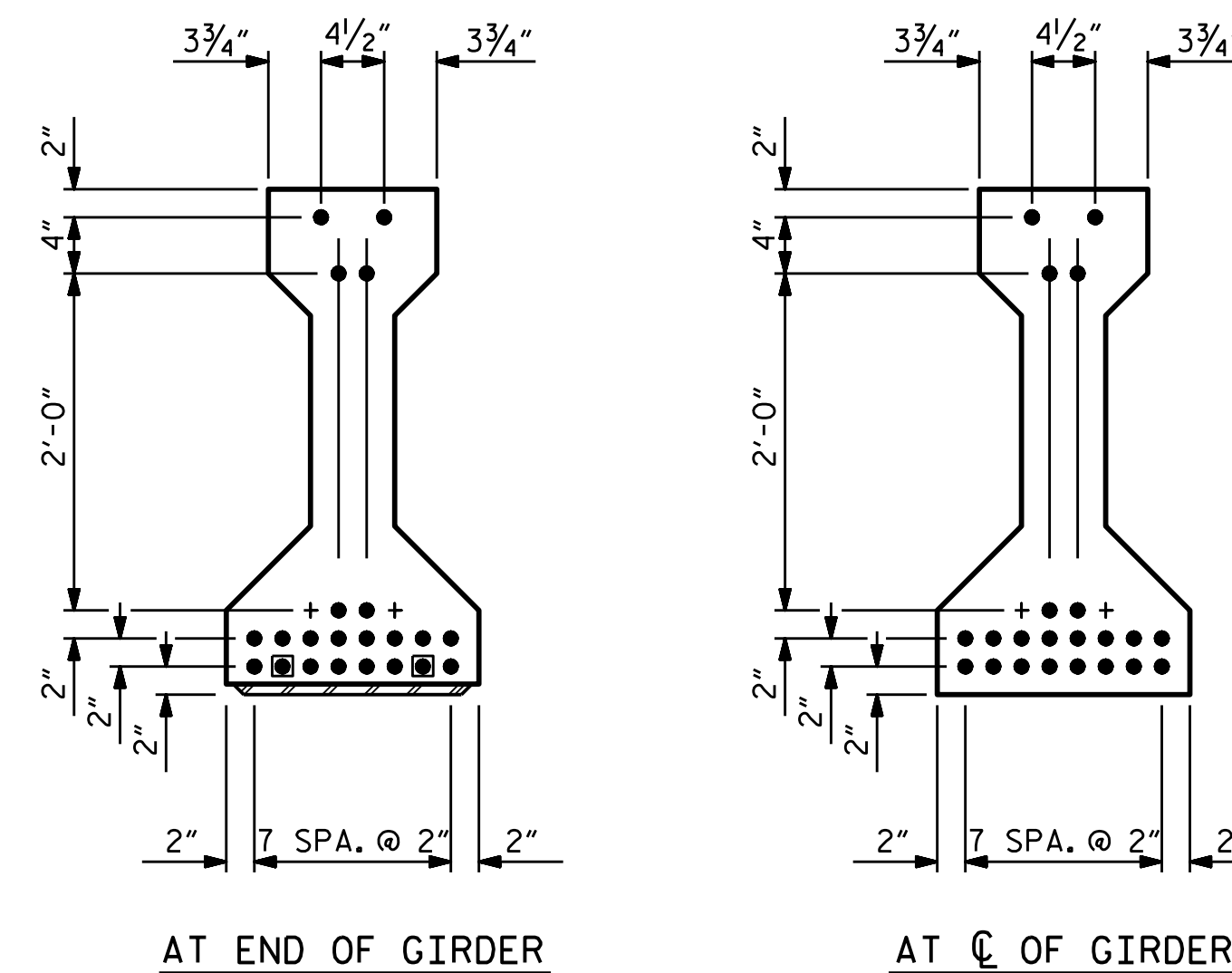
SECTION C-C

(S1 BARS NOT SHOWN)



PARTIAL ELEVATION

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

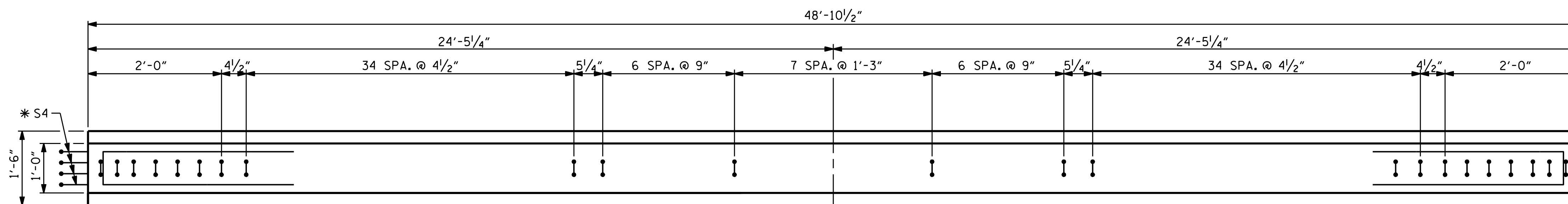


AT END OF GIRDER

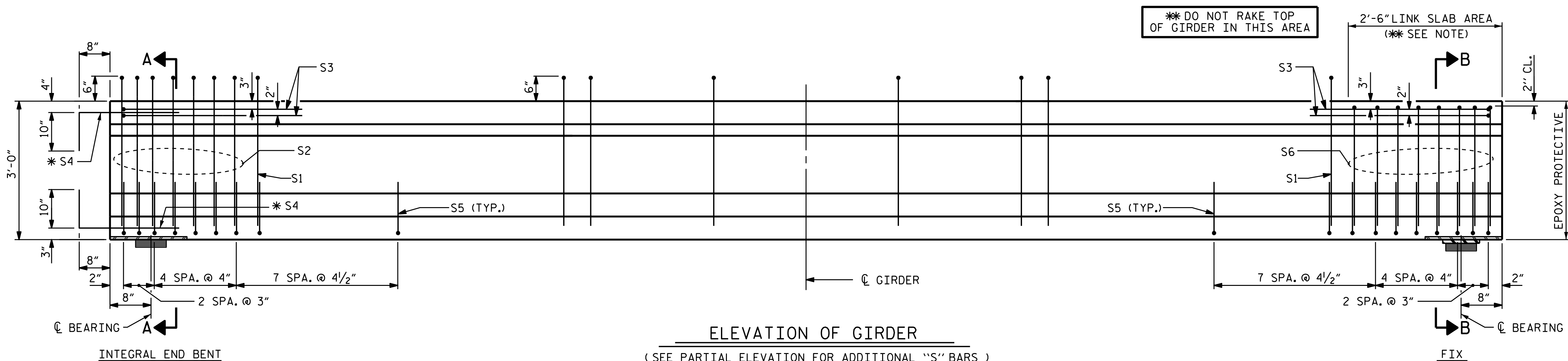
AT C OF GIRDER

0.6" Ø LOW RELAXATION STRAND LAYOUT

■ STRANDS DEBONDED 12'-0" FROM END OF GIRDER



PLAN OF GIRDER



ELEVATION OF GIRDER

(SEE PARTIAL ELEVATION FOR ADDITIONAL "S" BARS)

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

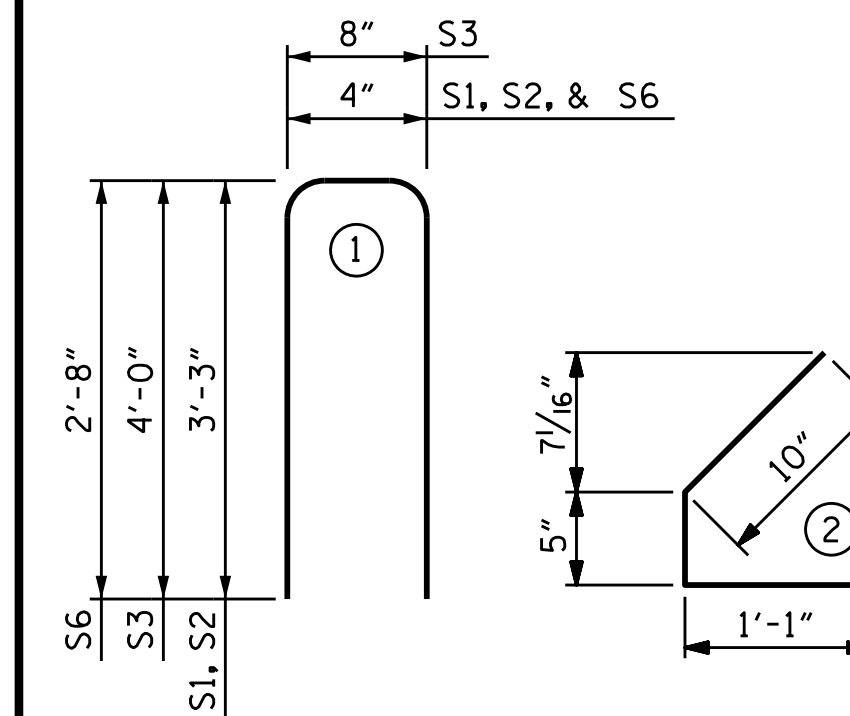
REINFORCING STEEL FOR ONE GIRDER

BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT
S1	89	#4	1	6'-10"	406
S2	7	#5	1	6'-10"	50
S3	4	#4	1	8'-8"	23
* S4	8	#5	STR	3'-8"	31
S5	56	#4	2	2'-4"	87
S6	10	#5	1	5'-8"	59
S7	5	#4	STR	7'-0"	23

* NOTE: S4 BARS SHALL BE BENT BEFORE SHIPMENT. HEAT BENDING SHALL NOT BE ALLOWED.

BAR TYPES

ALL BAR DIMENSIONS ARE OUT-TO-OUT



QUANTITIES FOR ONE GIRDER

	REINFORCING STEEL LB.	7500 PSI CONCRETE C.Y.	0.6" Ø L. R. STRANDS No.
	679	4.6	22

GIRDERS REQUIRED

NUMBER	LENGTH	TOTAL LENGTH
4	48'-10 1/2"	195'-6"

PROJECT NO. B-5236
 NEW HANOVER COUNTY
 STATION: 15+64.40 -L-

SHEET 1 OF 4

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



DocuSigned by:
 Greg Dickey
 8/1/2017

DOCUMENT NOT CONSIDERED
 FINAL UNLESS ALL
 SIGNATURES COMPLETED

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

DESIGN ENGINEER OF RECORD: A. K. PATEL	DATE : 06/17
ASSEMBLED BY : William J. Parker	DATE : 07/16
CHECKED BY : J. P. ADAMS	DATE : 08/16
DRAWN BY : ELR 8/91	REV. 5/1/06R TLA/GM
CHECKED BY : GRP 8/91	REV. 10/1/11 MAA/GM
	REV. 1/15 MAA/TMG