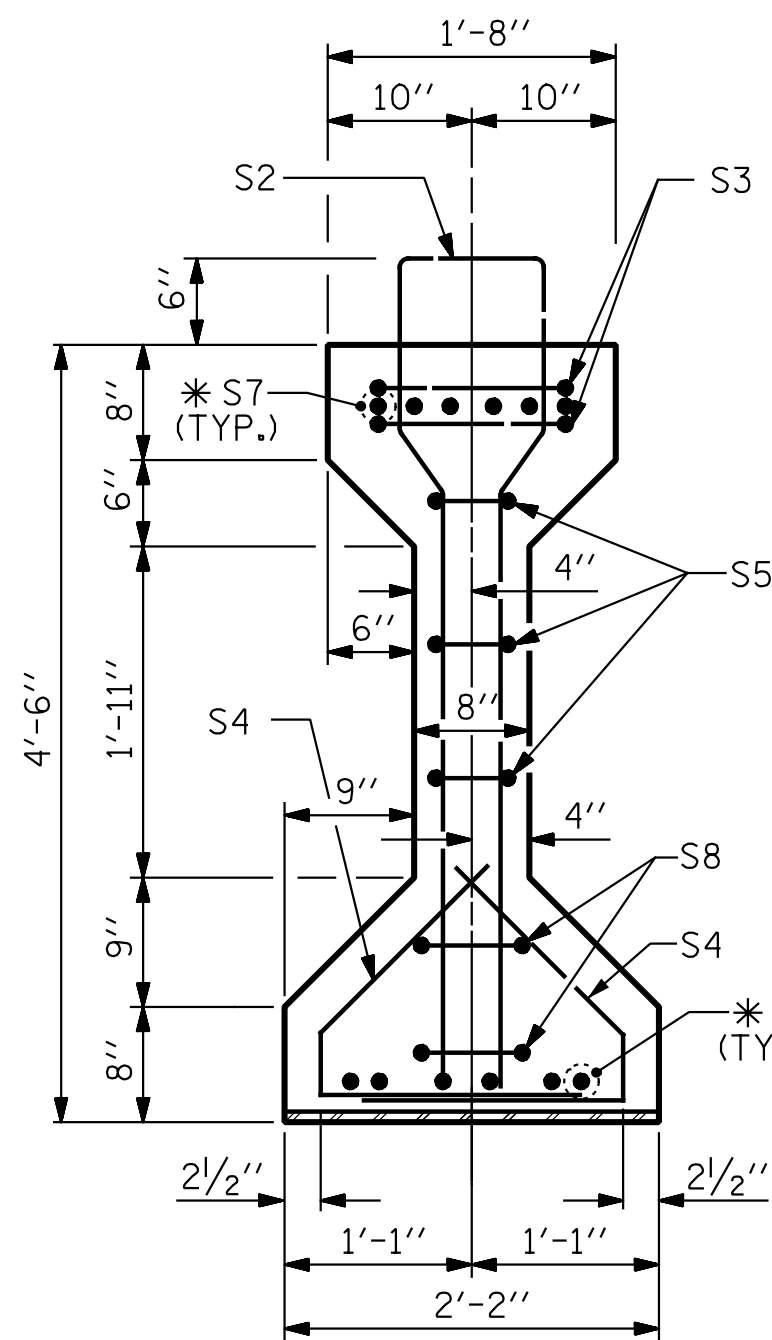
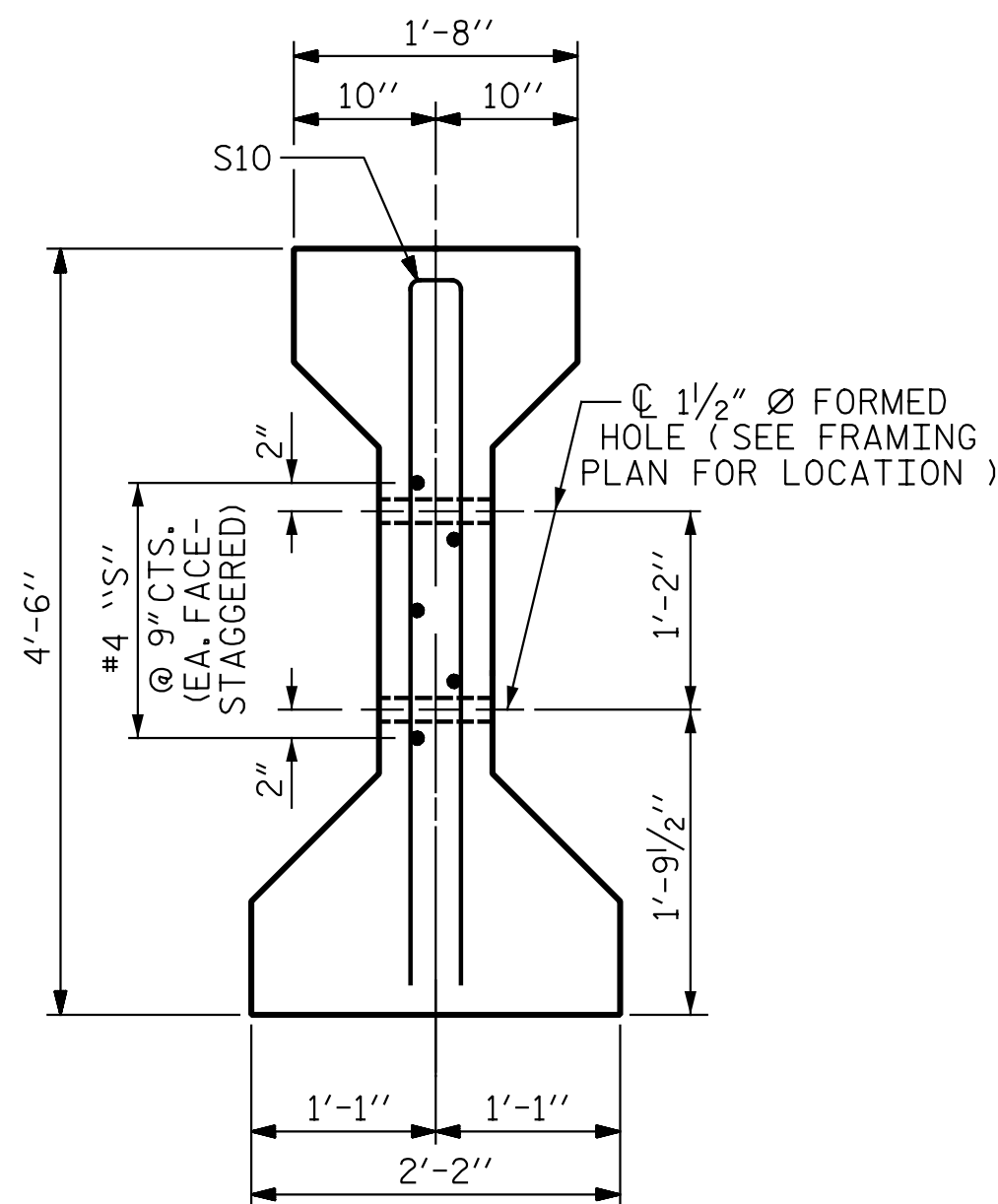




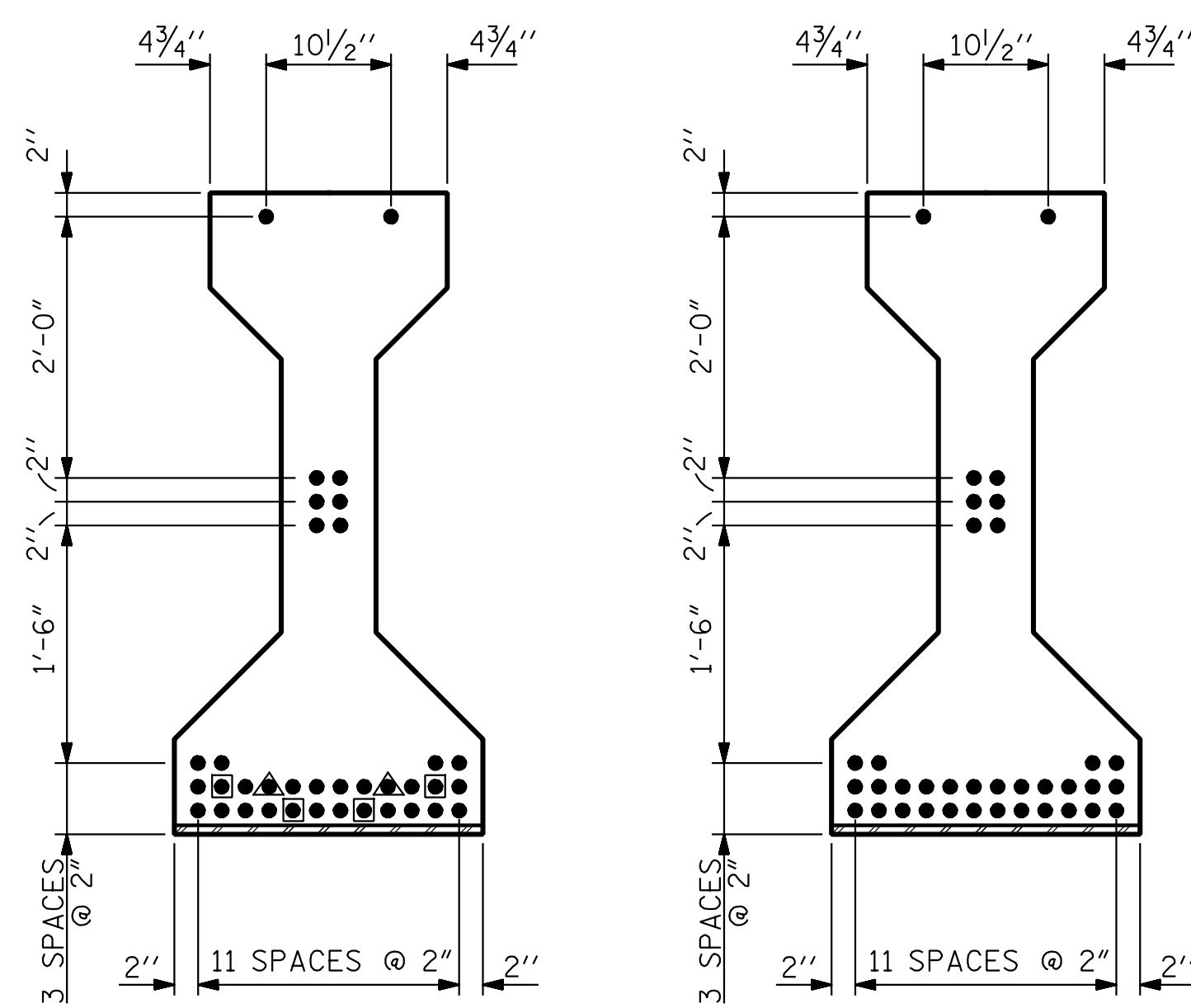
SECTION A-A

* FOR S7 BARS, SEE
DETAIL "A" OF
PRESTRESSED
CONCRETE GIRDER
CONTINUOUS FOR LIVE
LOAD DETAILS SHEET



SECTION C-C

(S1 BARS NOT SHOWN)



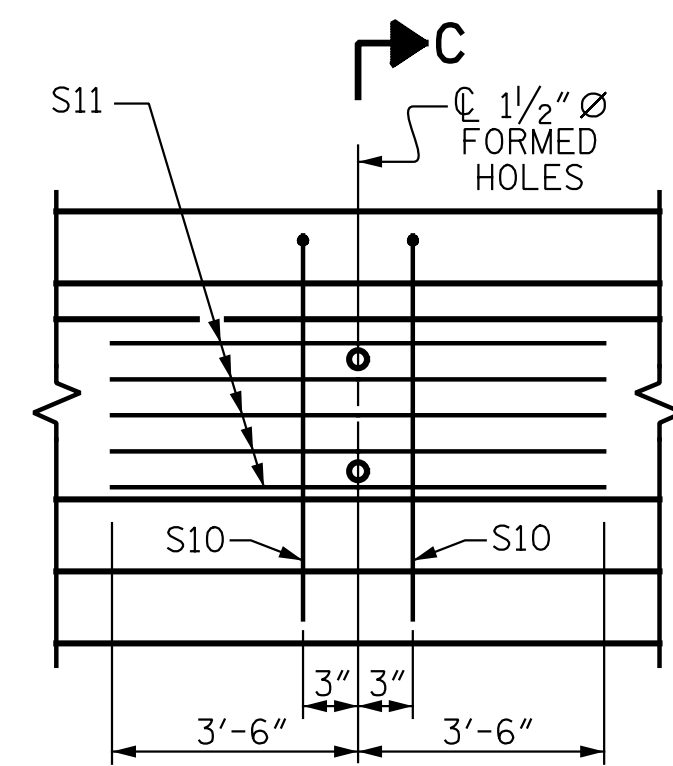
AT END OF GIRDER

AT $\mathcal{C}$ OF GIRDER

0.6" Ø LOW RELAXATION STRAND LAYOUT

DEBONDING LEGEND

- FULLY BONDED STRAND
- STRANDS DEBONDED FOR 4'-0" FROM END OF GIRDER
- ▲ STRANDS DEBONDED FOR 6'-0" FROM END OF GIRDER



PARTIAL ELEVATION

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

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

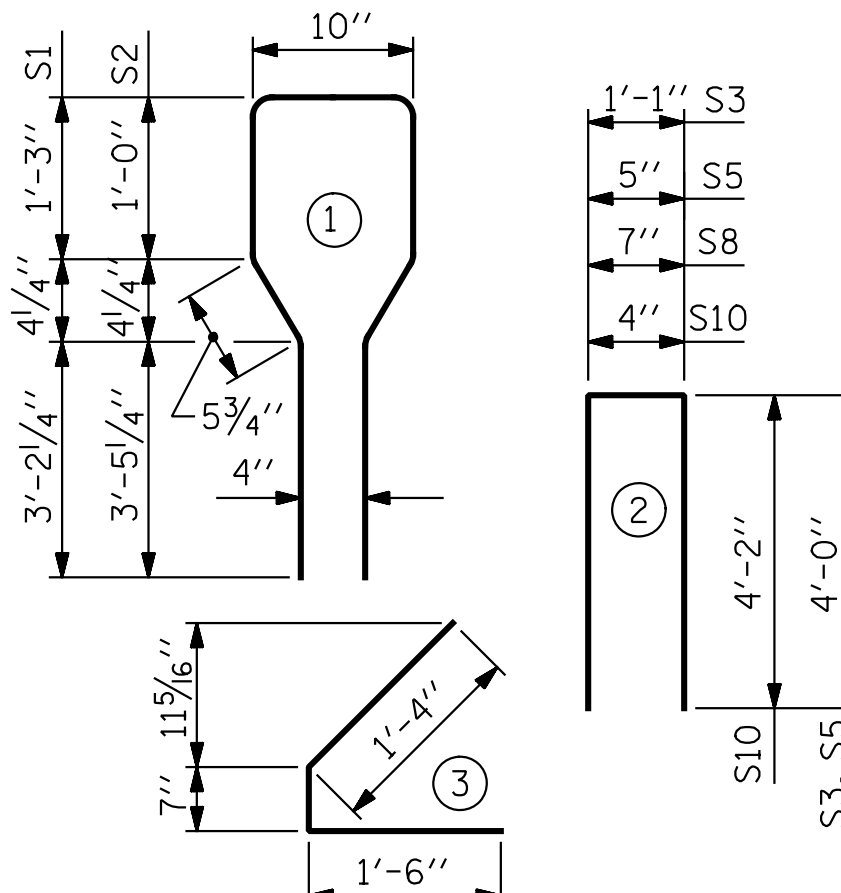
REINFORCING STEEL FOR ONE GIRDER

BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT
S1	87	#4	1	10'-8"	620
S2	16	#6	1	10'-8"	256
S3	4	#4	2	9'-1"	24
S4	108	#4	3	3'-5"	246
S5	6	#4	2	8'-5"	34
* S7	24	#5	STR	3'-8"	92
S8	4	#4	2	8'-7"	23
S9	2	#3	STR	1'-10"	1
S10	2	#5	2	8'-8"	18
S11	5	#4	STR	7'-0"	23
S12	2	#3	STR	1'-4"	1
REINFORCING STEEL					1338

* NOTE: S7 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	8000 PSI CONCRETE	0.6" Ø L. R. STRANDS
LB.	C.Y.	No.
1338	18.1	36

GIRDERS REQUIRED

NUMBER	LENGTH	TOTAL LENGTH
4	89'-1"	356'-4"

PROJECT NO. R-2514D

JONES COUNTY

STATION: 363+38.90 -L-

SHEET 1 OF 3

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
STANDARD
AASHTO TYPE IV
PRESTRESSED CONCRETE GIRDER

STD. NO. PCG3 RIGHT LANE STR-#4

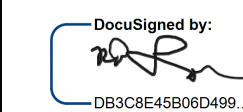
REVISIONS					SHEET NO. S04-9
NO.	BY:	DATE:	NO.	BY:	
1			3		TOTAL SHEETS S04-23
2			4		

ENGINEERS • PLANNERS • ECOLOGISTS LICENSE NUMBER C-0764
KCI Associates
of North Carolina, P.A.
SUITE 220, LANDMARK CENTER II 460 SIX FORKS RD. RALEIGH, N.C. 27609-5220 (919) 783-9241
DWG. REF. NO. 9 OF 23

DocuSigned by:
DB3C8E45B06D499...



4/10/2015



DESIGN ENGINEER OF RECORD:	DATE :	4/10/2015
DRAWN BY : <u>E. C. DECOLA</u>	DATE :	02/13/14
CHECKED BY : <u>R. C. LARSON</u>	DATE :	02/18/14
DRAWN BY : JMB I2/87	REV. 8/16/99RR	RWW/LES
CHECKED BY : ARB I2/87	REV. 5/1/06R	TLA/GM
	REV. 10/1/11	MAA/GM