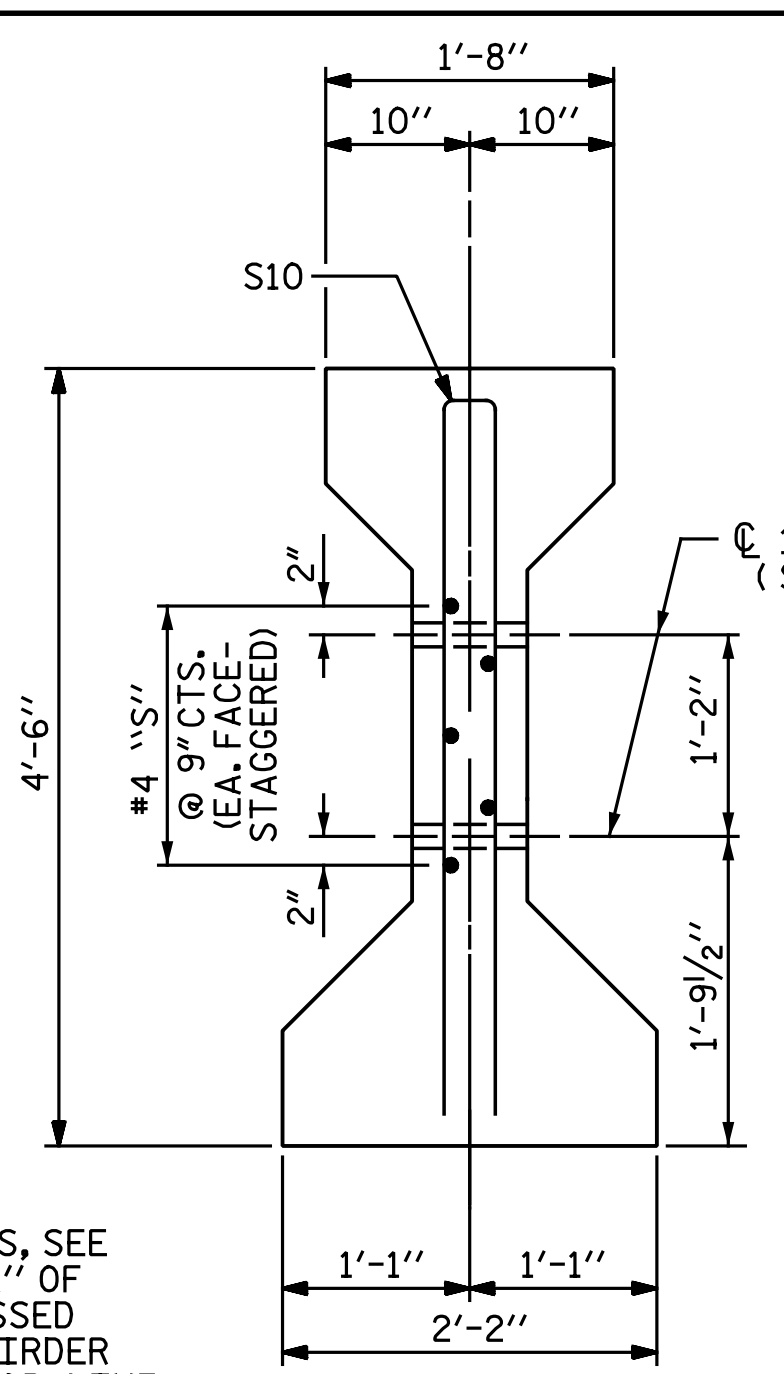


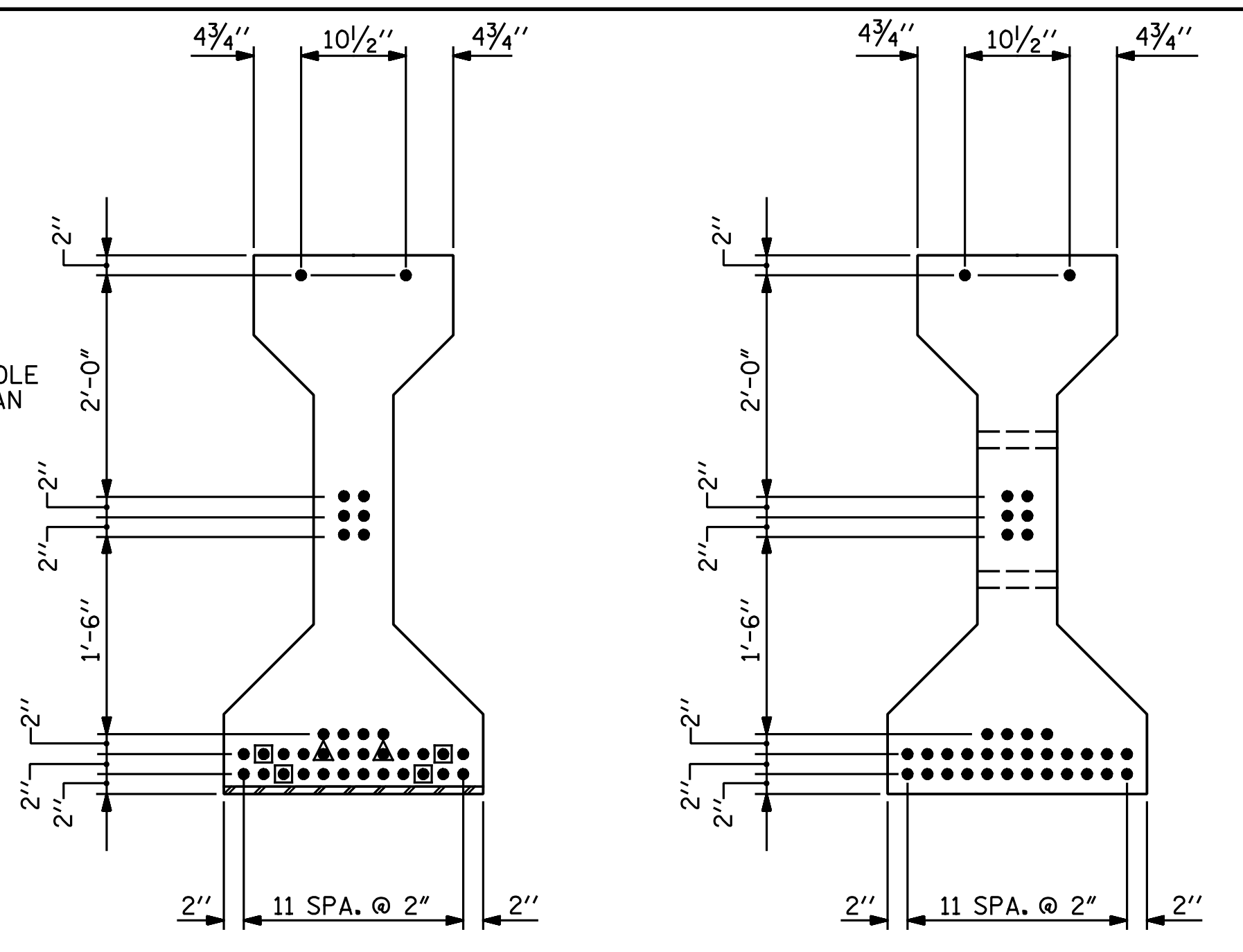
SECTION A-A

SECTION B-B



SECTION C-C
(S1 BARS NOT SHOWN)

* FOR S7 BARS, SEE "DETAIL A" OF "PRESTRESSED CONCRETE GIRDER CONTINUOUS FOR LIVE LOAD DETAILS" SHEET 4 OF 5.



AT END OF GIRDER

AT C OF GIRDER

0.6" Ø LOW RELAXATION STRAND LAYOUT

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

SPAN	①	②	③
A	93'-3 1/2"	46'-7 3/4"	9 1/4"
C	94'-2"	47'-1"	1'-2 1/2"
F	94'-2"	47'-1"	1'-2 1/2"
I	94'-2"	47'-1"	1'-2 1/2"
L	94'-2"	47'-1"	1'-2 1/2"

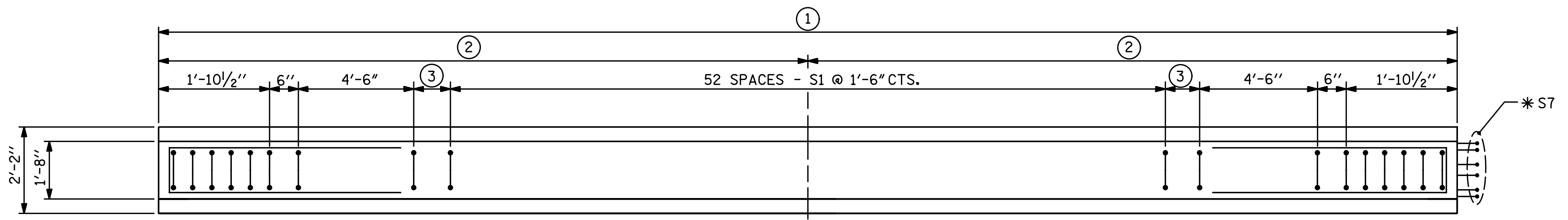
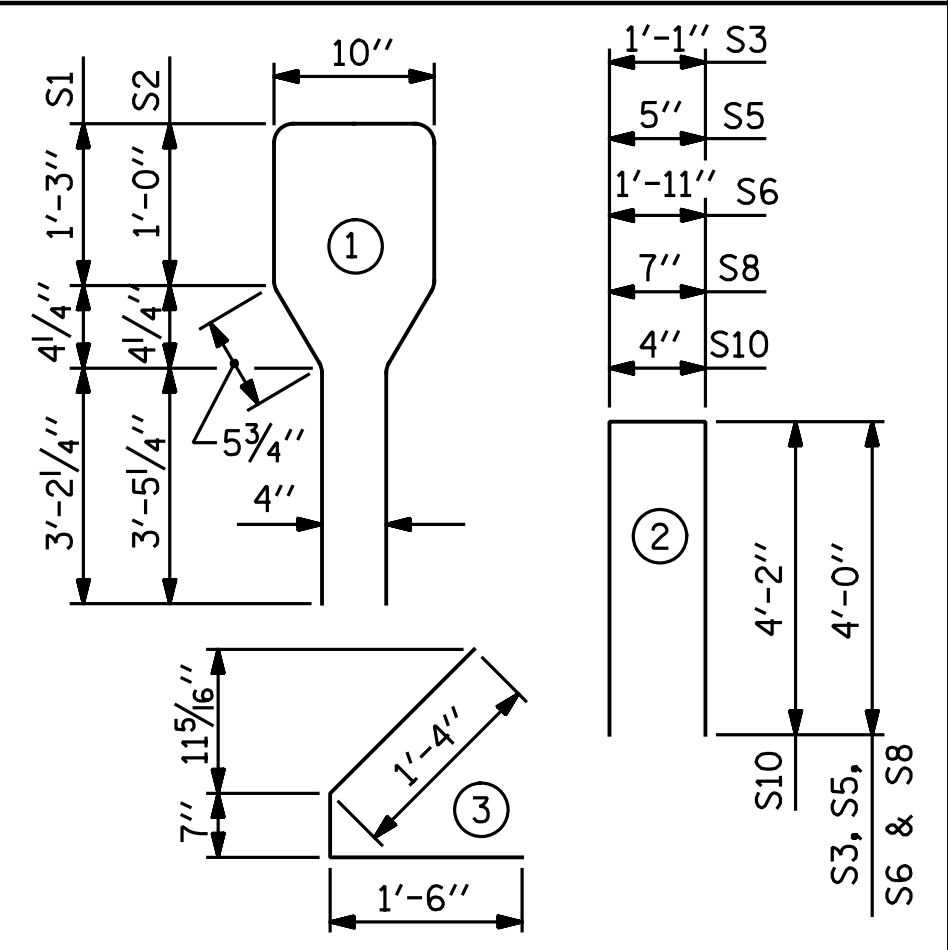
0.6" Ø L. R. GRADE 270 STRANDS		
AREA (SQUARE INCHES)	ULTIMATE STRENGTH (LBS. PER STRAND)	APPLIED PRESTRESS (LBS. PER STRAND)
0.217	58,600	43,950

REINFORCING STEEL FOR ONE GIRDER					
BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT
S1	73	#4	1	10'-8"	520
S2	12	#6	1	10'-8"	192
S3	4	#4	2	9'-1"	24
S4	64	#4	3	3'-5"	146
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
S10	2	#5	2	8'-8"	18
S11	5	#4	STR	7'-0"	23

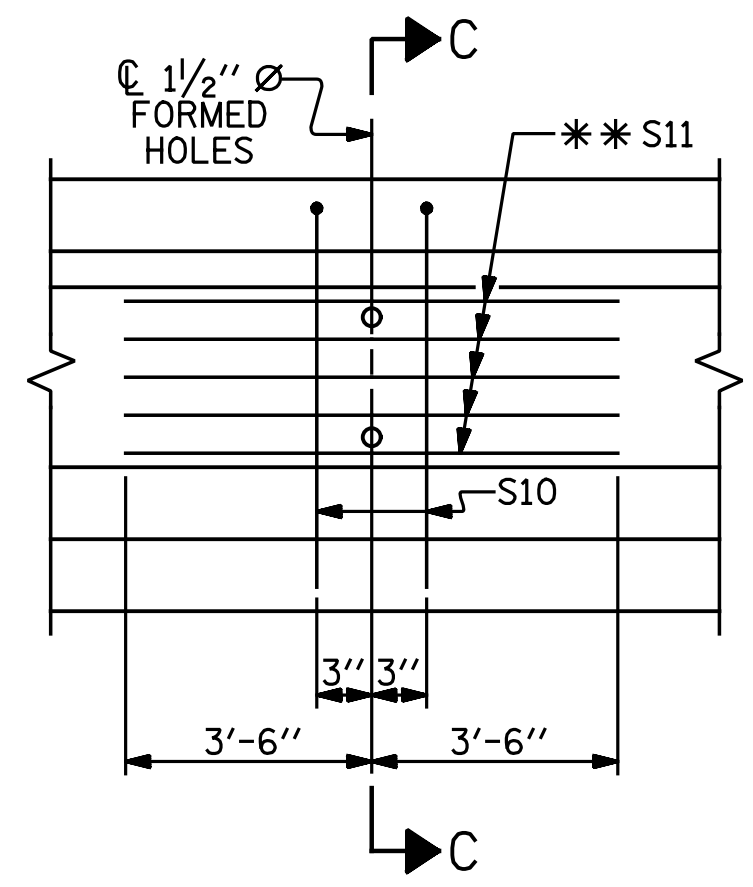
* NOTE: S7 BARS SHALL BE BENT BEFORE SHIPMENT. HEAT BENDING SHALL NOT BE ALLOWED.

BAR TYPES

ALL BAR DIMENSIONS ARE OUT-TO-OUT

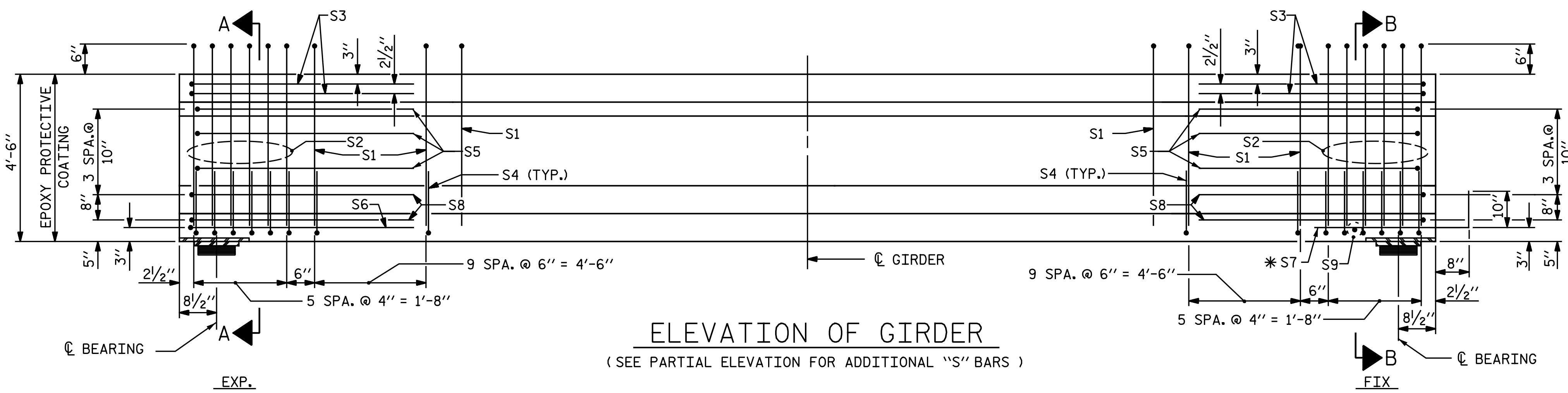


PLAN OF GIRDER



PARTIAL ELEVATION

SHOWING INTERMEDIATE DIAPHRAGM REINFORCING STEEL FOR GIRDER Nos. 1-5
** S11 BARS MAY BE SHIFTED SLIGHTLY AS NEEDED TO AVOID STRANDS.



ELEVATION OF GIRDER

(SEE PARTIAL ELEVATION FOR ADDITIONAL "S" BARS)

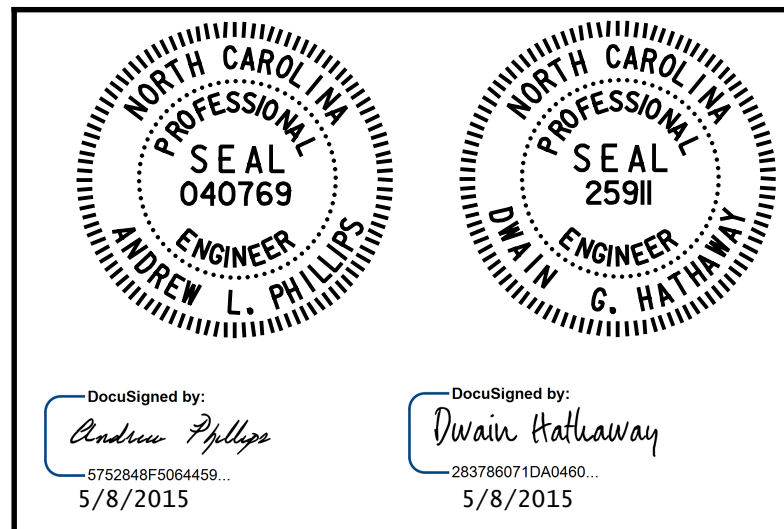
QUANTITIES FOR ONE GIRDER

	REINFORCING STEEL	8,000 PSI CONCRETE	0.6" Ø L. R. STRANDS
	LB.	C.Y.	No.
SPAN A	1011	18.9	36
SPANS C, F, I & L	1011	19.1	36

GIRDERS REQUIRED

	NUMBER	LENGTH	TOTAL LENGTH
	SPAN A	5	93'-3 1/2"
SPANS C, F, I & L	20	94'-2"	1883'-4"

PROJECT NO. R-2514D
JONES COUNTY
STATION: 389+47.50 -L-
SHEET 1 OF 5



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
SUPERSTRUCTURE
AASHTO TYPE IV
PRESTRESSED CONCRETE GIRDER
CONTINUOUS FOR LIVE LOAD
SPANS A, C, F, I & L
LEFT LANE

REVISIONS						SHEET NO. S07-16
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			TOTAL SHEETS 68
2			4			

DocuSigned by:
Baker
Michael Baker Engineering
8000 Regency Parkway, Suite 600
Cary, North Carolina 27518
NC License No.: F-1084

Justin 1/14/15 5/8/2015
 File Name: Y:\P\Projects\NCDOT\R-2514D\Site 4\Drawings\Final\407_016_R2514D_SML_C01.dgn

DRAWN BY: N. B. SPEAKS DATE: 7-31-13
CHECKED BY: A. L. PHILLIPS DATE: 8-7-13