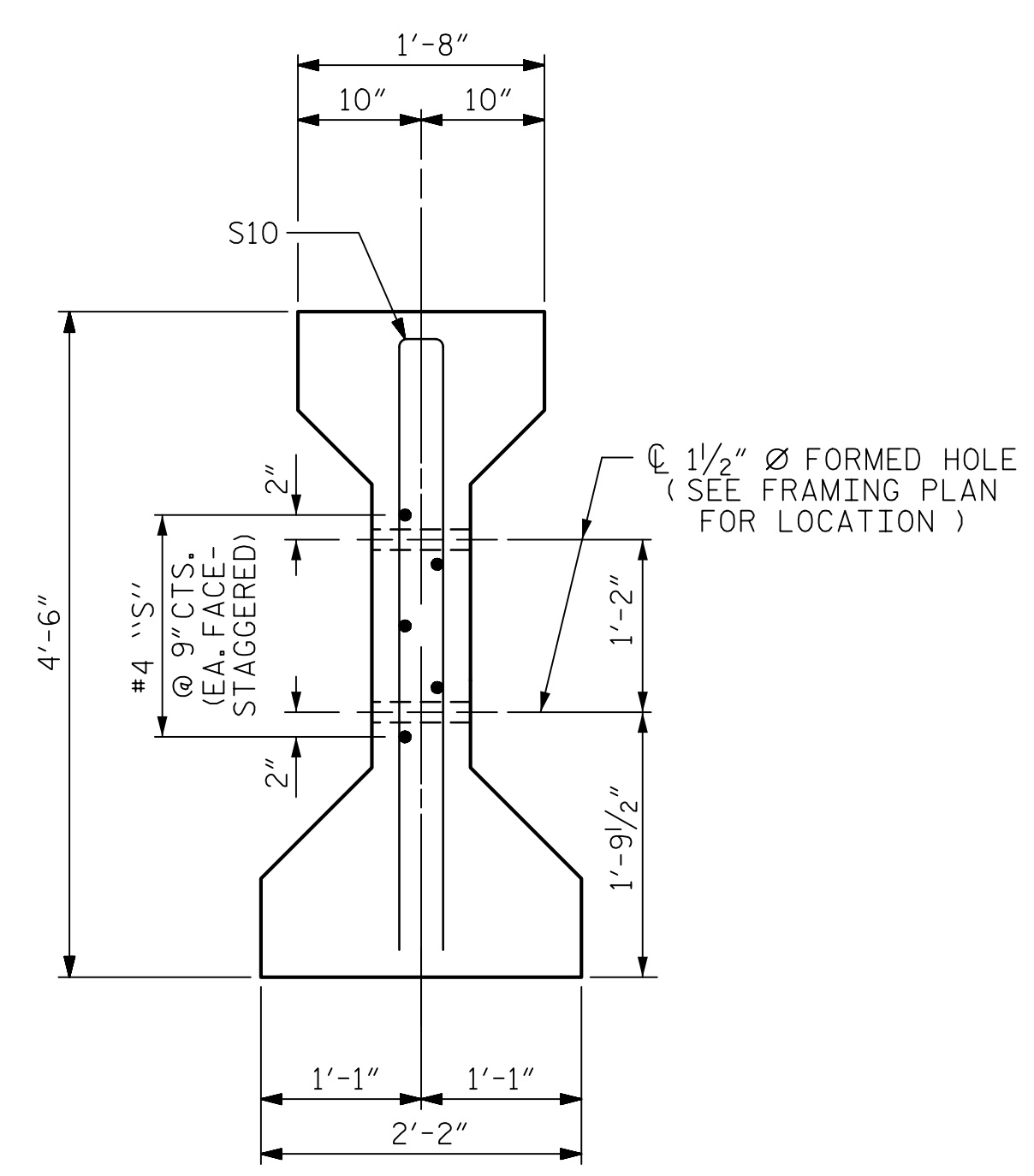
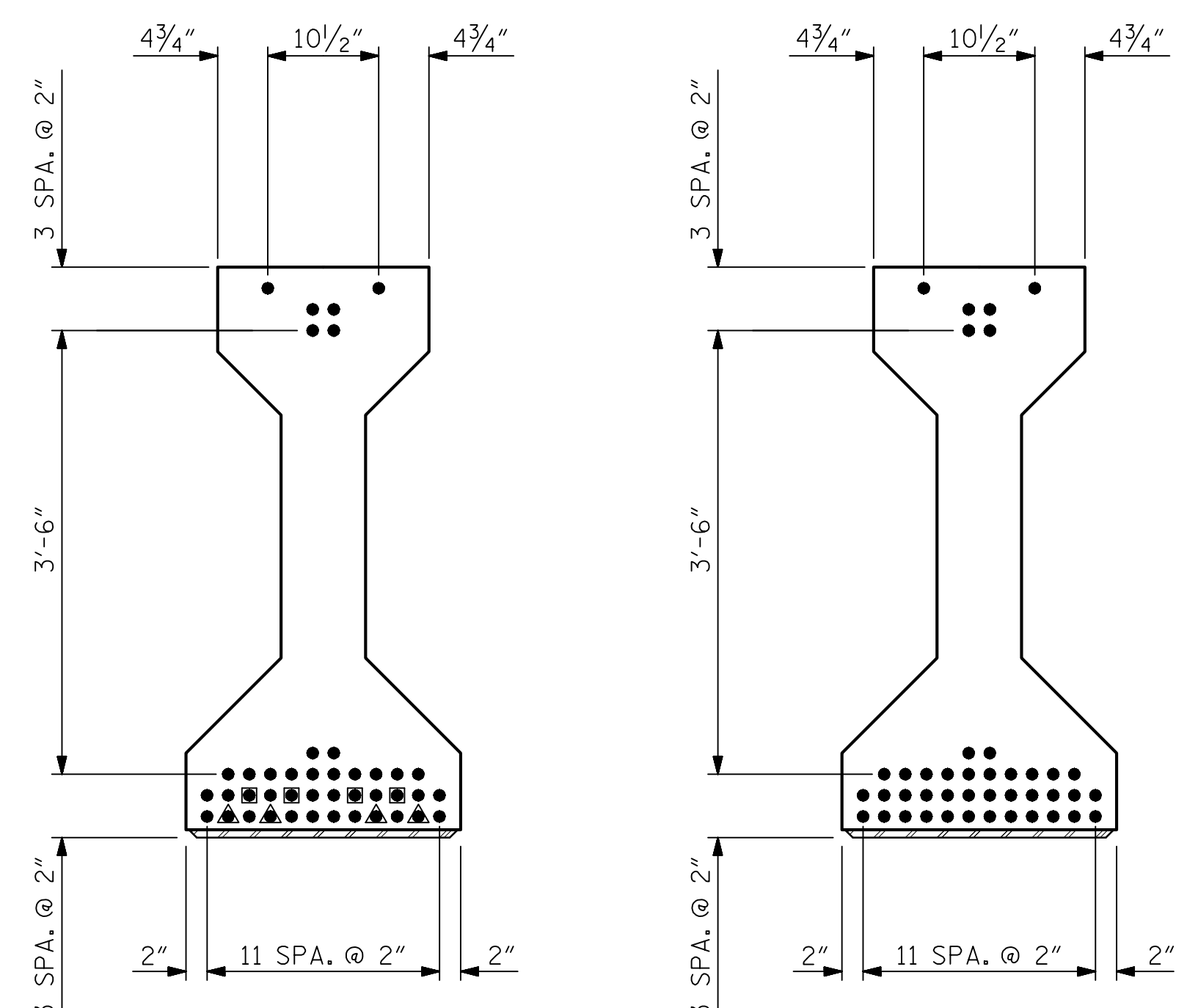


SECTION B-B

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

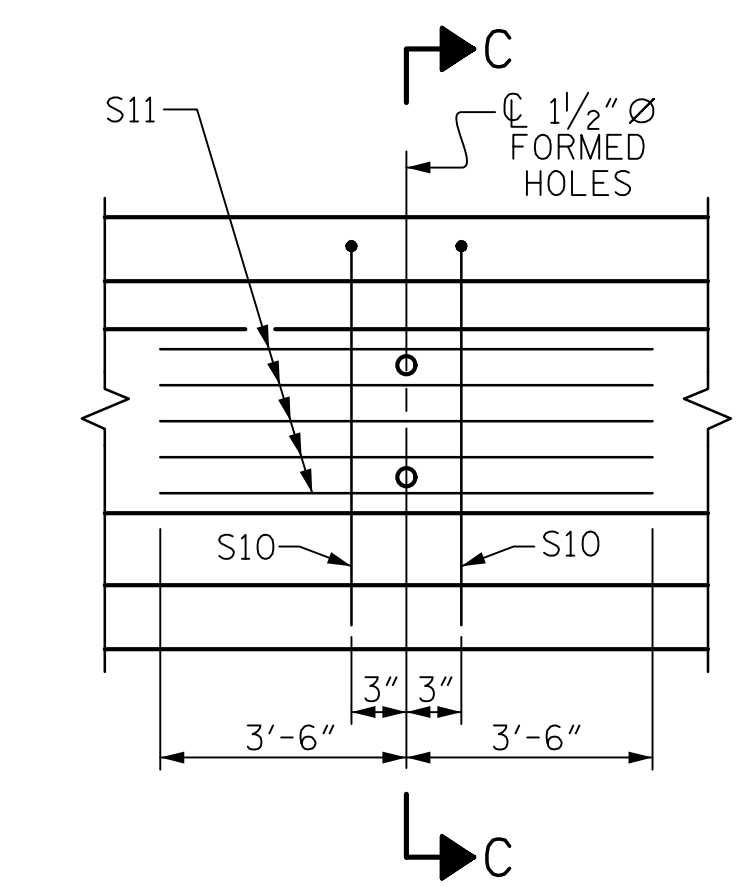


SECTION C-C
(S1 BARS NOT SHOWN)



AT END OF GIRDER
AT C OF GIRDER
0.6" Ø LOW RELAXATION STRAND LAYOUT

- DEBONDING LEGEND**
- FULLY BONDED STRANDS
 - STRANDS DEBONDED FOR 6'-0" FROM ENDS OF GIRDER
 - ▲ STRANDS DEBONDED FOR 12'-0" FROM ENDS OF GIRDER



PARTIAL ELEVATION
SHOWING INTERMEDIATE DIAPHRAGM REINFORCING STEEL FOR ALL GIRDERS

0.6" Ø L. R. GRADE 270 STRANDS

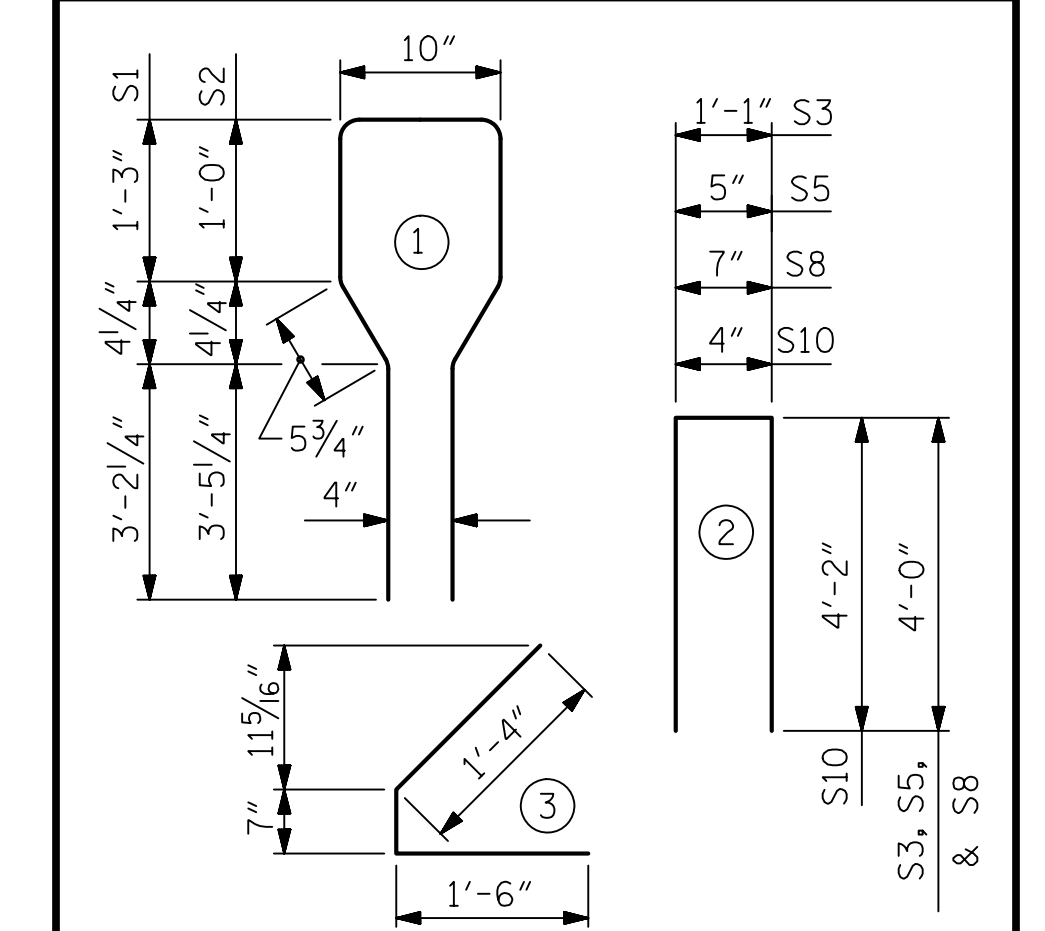
AREA (SQUARE INCHES)	ULTIMATE STRENGTH (LBS. PER STRAND)	APPLIED PRESTRESS (LBS. PER STRAND)
0.217	58,600	43,950

REINFORCING STEEL FOR ONE GIRDER

BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT
S1	89	#4	1	10'-8"	634
S2	20	#6	1	10'-8"	320
S3	4	#4	2	9'-1"	24
S4	64	#4	3	3'-5"	146
S5	6	#4	2	8'-5"	34
* S7	12	#5	STR	3'-8"	46
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

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

BAR TYPES
ALL BAR DIMENSIONS ARE OUT-TO-OUT

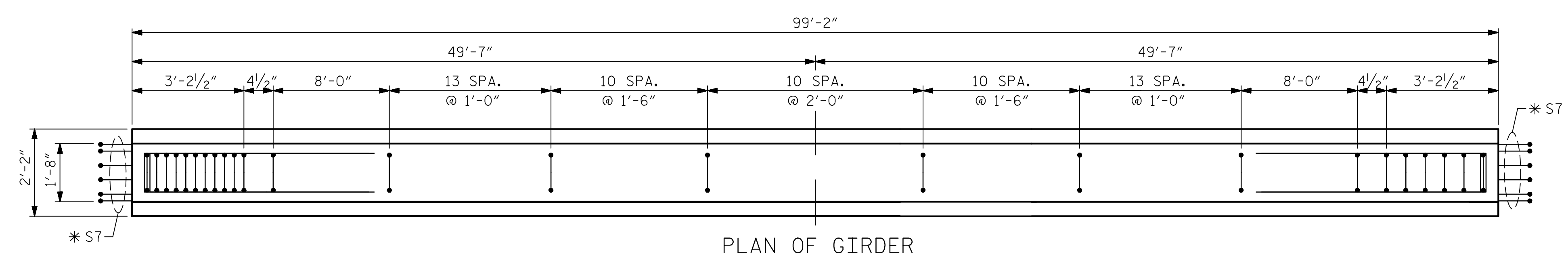


QUANTITIES FOR ONE GIRDER

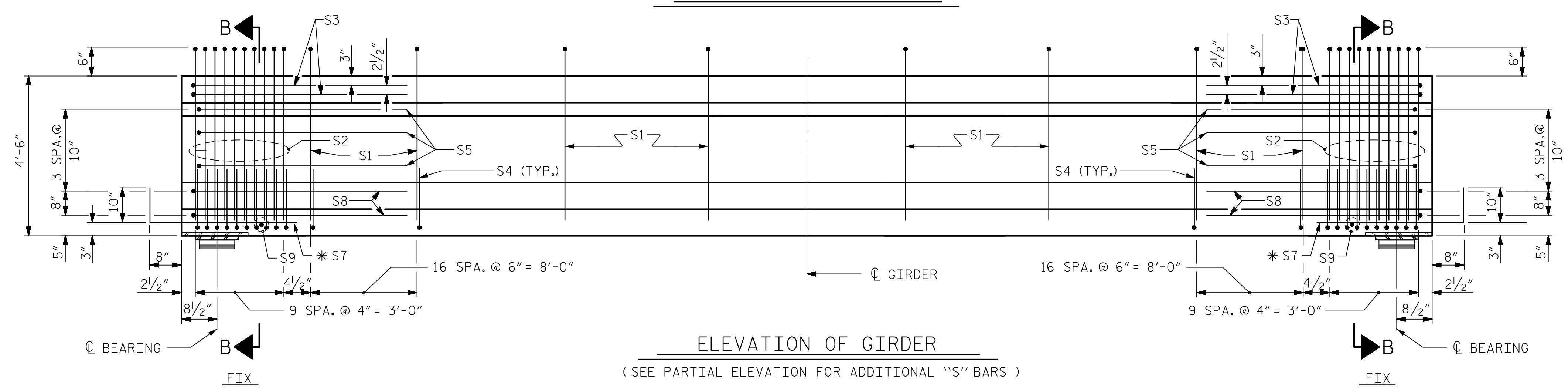
	REINFORCING STEEL LB.	8000 PSI CONCRETE C.Y.	0.6" Ø L. R. STRANDS No.
EXTERIOR GIRDER	1269	20.1	42
INTERIOR GIRDER	1269	20.1	42

GIRDERS REQUIRED

NUMBER	LENGTH	TOTAL LENGTH
4	99'-2"	396'-8"



PLAN OF GIRDER

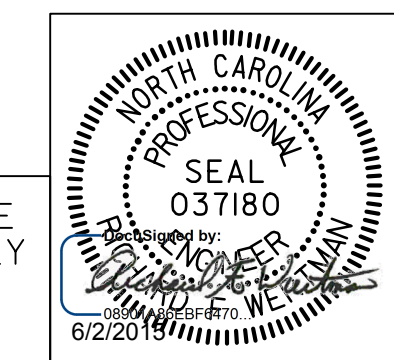


ELEVATION OF GIRDER
(SEE PARTIAL ELEVATION FOR ADDITIONAL "S" BARS)

ASSEMBLED BY : T.J. KIRSCHBAUM DATE : 4/26/14
 CHECKED BY : R.F. WERTMAN DATE : 8/15/14
 DRAWN BY : ELR 8/91 REV. 10/17/00R RWW/LES
 CHECKED BY : GRP 8/91 REV. 5/1/06R TLA/GM
 REV. 10/1/11 MAA/GM

PLANS PREPARED BY:
Gannett Fleming
 Excellence Delivered As Promised
 1121 Situs Court Suite 170 Raleigh NC 27606-4279 (919) 859-4880 NC Lic. No. F-0270

THESE PLANS HAVE BEEN PROPERLY EXAMINED BY THE UNDERSIGNED. I HAVE DETERMINED THAT THEY COMPLY WITH EXISTING NORTH CAROLINA CODES, AND HAVE BEEN PROPERLY ADAPTED FOR USE IN THIS AREA.



PROJECT NO. R-2915B
 ASHE COUNTY
 STATION: 242+67.42 -L-
 SHEET 2 OF 4

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

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S04-15
1	TJK	3/18/15	3			TOTAL SHEETS 35
2			4			