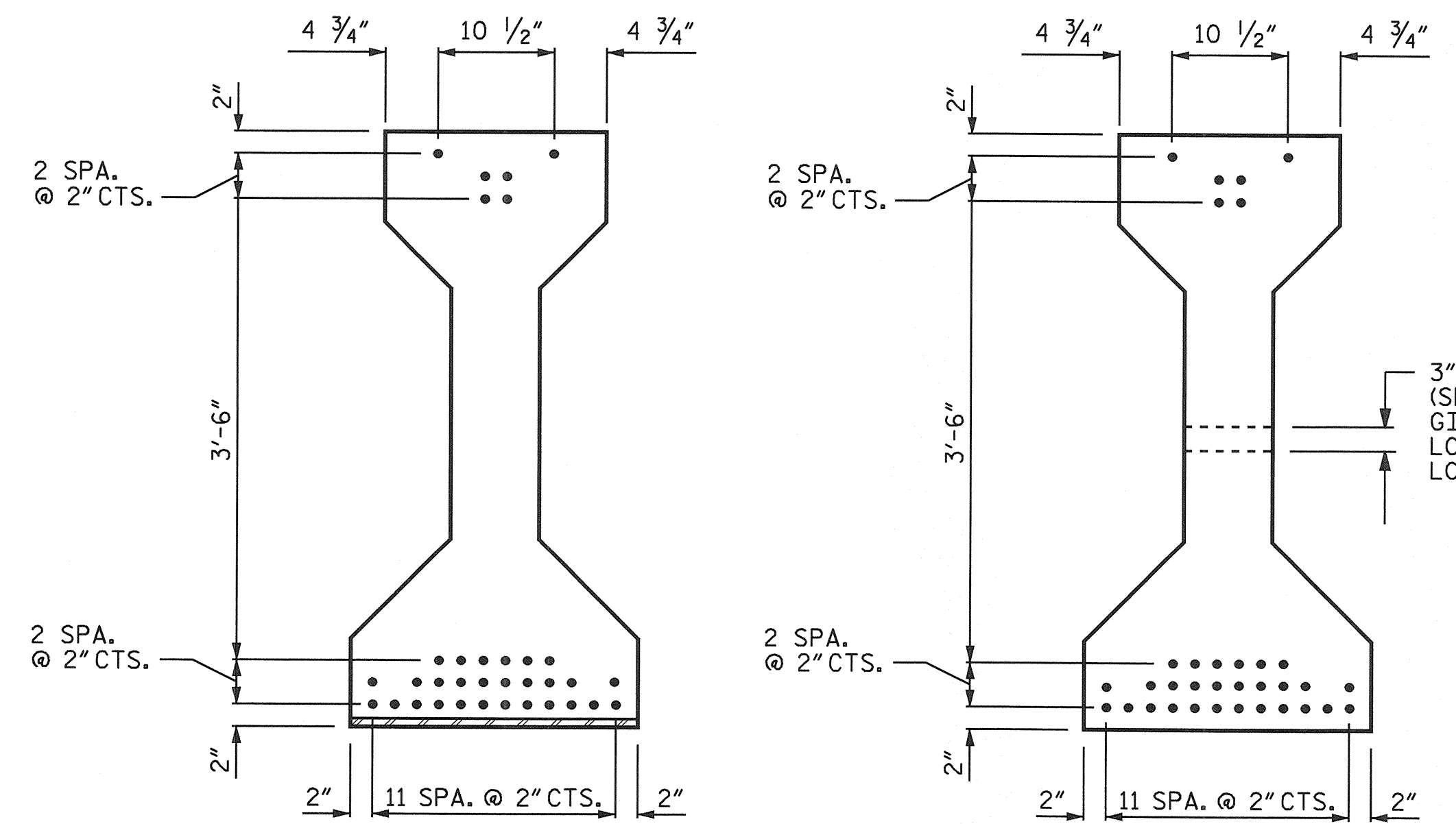


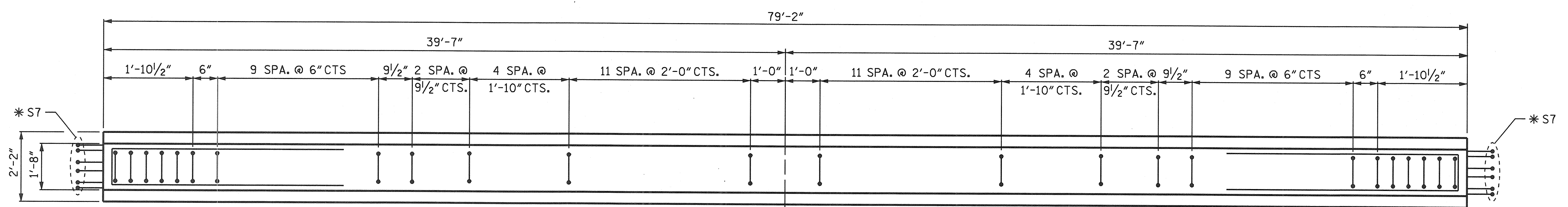
SECTION A-A

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

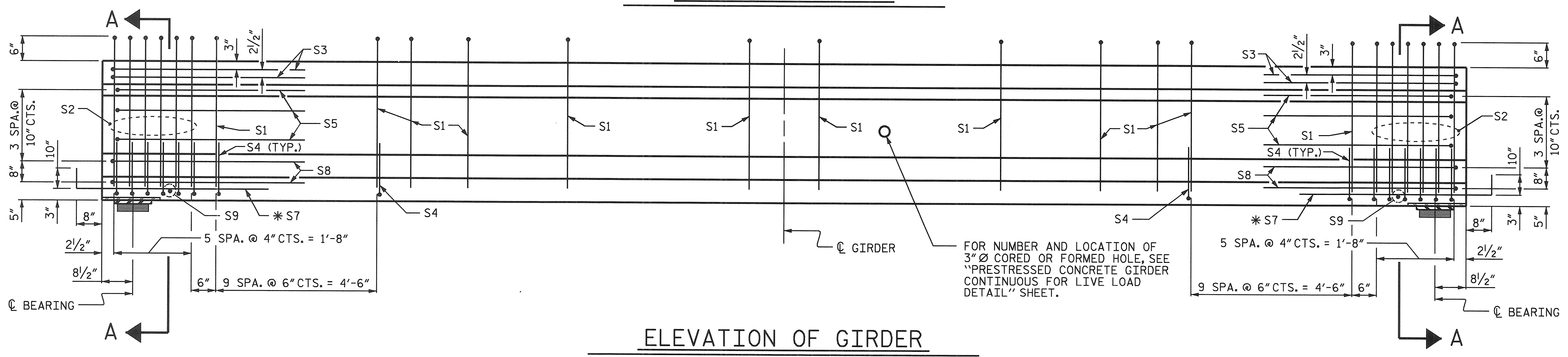


AT END OF GIRDER AT C OF GIRDER

1/2" Ø LOW RELAXATION STRAND LAYOUT



PLAN OF GIRDER



ELEVATION OF GIRDER

Note:  
Final Concrete Strength = 5,500 psi

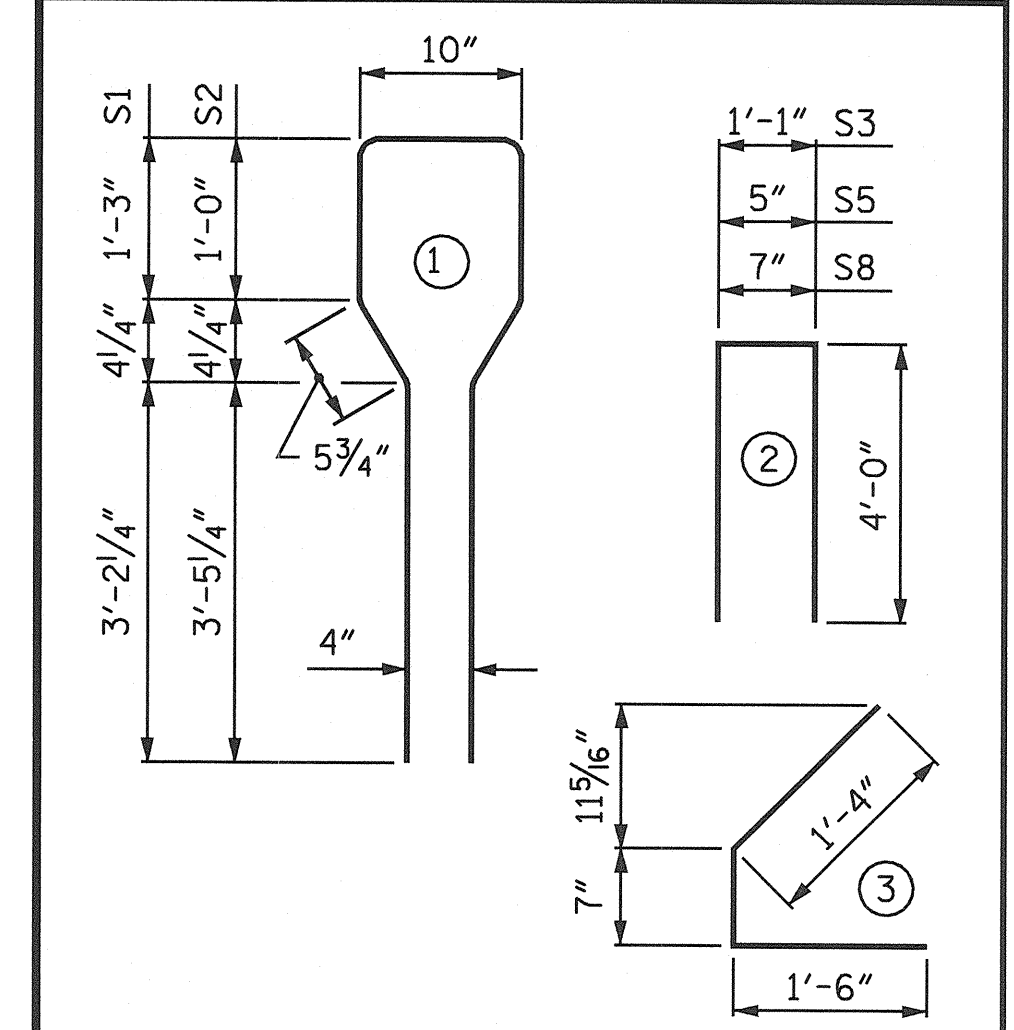
1/2" Ø L. R. GRADE 270 STRANDS		
AREA (SQUARE INCHES)	ULTIMATE STRENGTH (LBS. PER STRAND)	APPLIED PRESTRESS (LBS. PER STRAND)
0.153	41,300	30,980

REINFORCING STEEL FOR ONE GIRDER					
BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT
S1	56	#4	1	10'-8"	399
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
*S7	12	#5	STR	3'-8"	46
S8	4	#4	2	8'-7"	23
S9	2	#3	STR	1'-10"	1

\* NOTE: S7 BAR SHALL BE BENT AFTER GIRDER FABRICATION AND BEFORE SHIPMENT. HEAT BENDING SHALL NOT BE ALLOWED.

BAR TYPES  
ALL BAR DIMENSIONS ARE OUT-TO-OUT

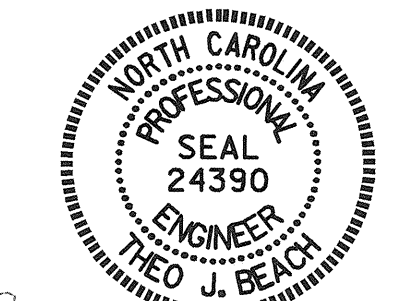


QUANTITIES FOR ONE GIRDER			
	REINFORCING STEEL	5500 PSI CONCRETE	1/2" Ø L.R. STRANDS
	LB.	C.Y.	No.
FOR ONE GIRDER	865	16.1	34

GIRDERS REQUIRED PER SPAN		
NUMBER	LENGTH	TOTAL LENGTH
7	79'-2"	554.17

PROJECT NO. R-3427  
YADKIN COUNTY  
STATION: 236+73.00 -L-

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



Handwritten signature and date: Theo J. Beach 8/13/04

ASSEMBLED BY : P.C. BREWER	DATE : 6/12/03	CADD STANDARD
CHECKED BY : S.B. WILLIAMS	DATE : 6/26/03	
DRAWN BY : ARB 2/97	REV. 10/99	MAB/LES
CHECKED BY : EEM 2/97		

REVISIONS						SHEET NO. S-11
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			TOTAL SHEETS 31
2			4			