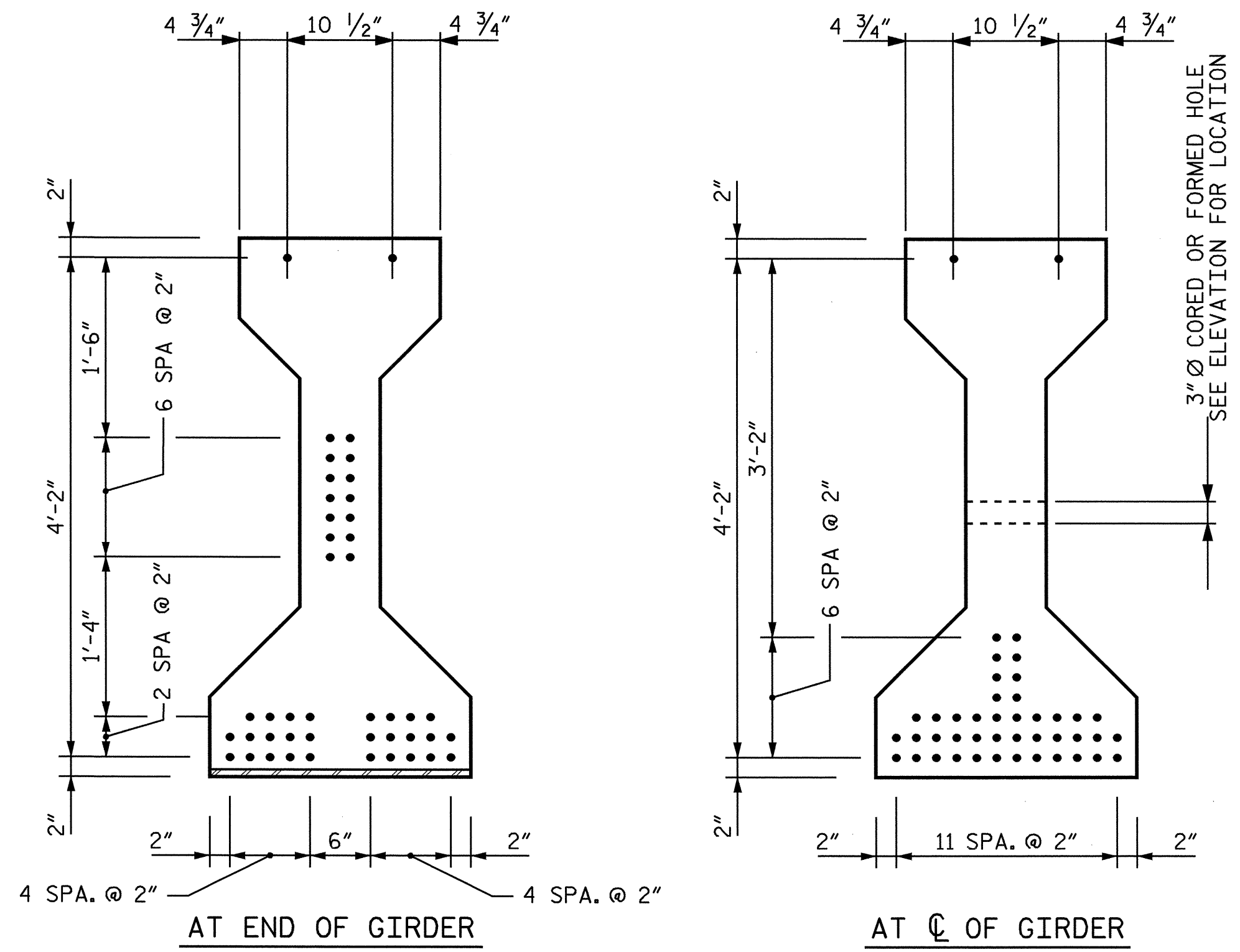
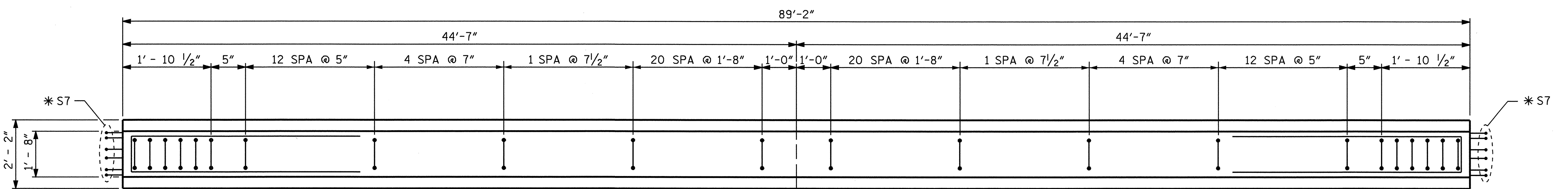


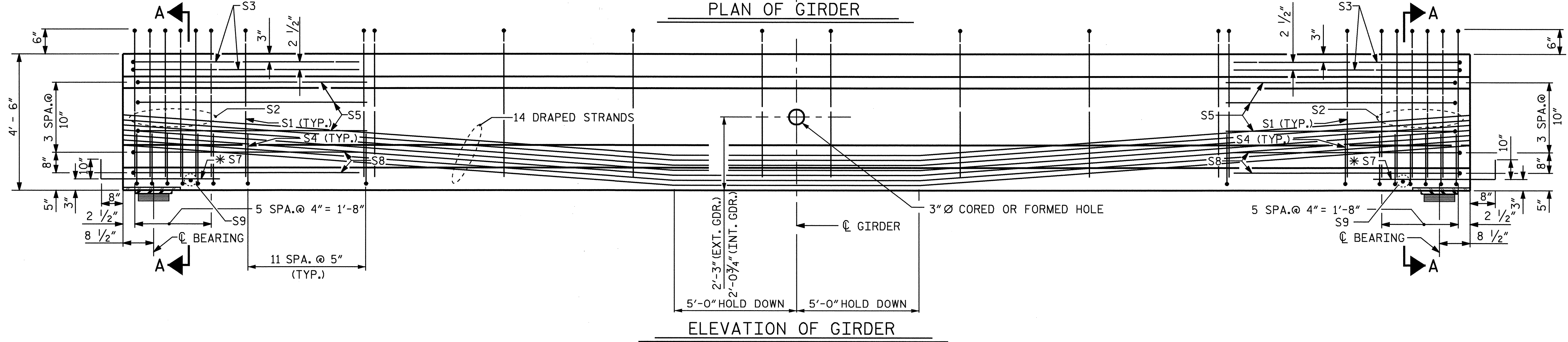
* FOR S7 BARS, SEE
 DETAIL "A" OF PRESTRESSED
 CONCRETE GIRDER CONTINUOUS
 FOR LIVE LOAD DETAILS
 SHEET



1/2" Ø LOW RELAXATION STRAND LAYOUT



PLAN OF GIRDER



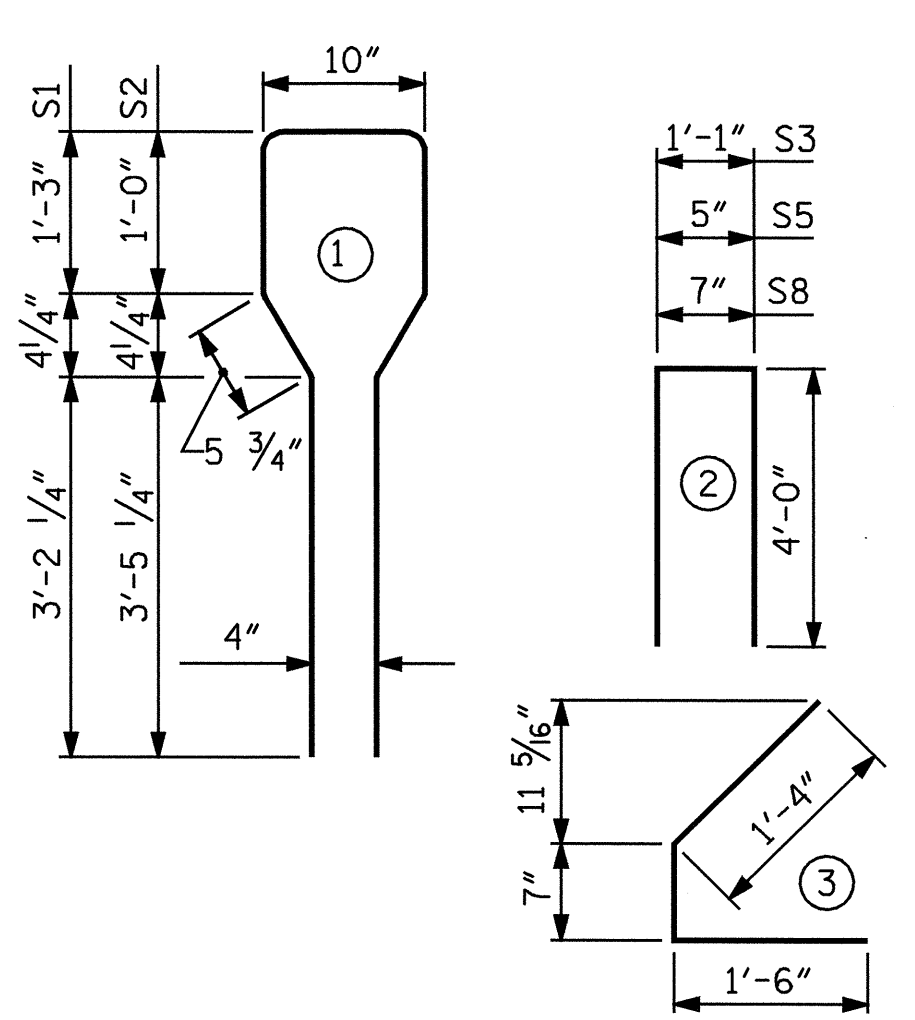
ELEVATION OF GIRDER

1/2" Ø L. R. GRADE 270 STRANDS		
AREA (SQ. 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	76	#4	1	10'-8"	542
S2	12	#6	1	10'-8"	192
S3	4	#4	2	9'-1"	24
S4	72	#4	3	3'-5"	164
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 BARS SHALL BE BENT BEFORE SHIPMENT. HEAT BENDING SHALL NOT BE ALLOWED.

BAR TYPES
 ALL BAR DIMENSIONS ARE OUT-TO-OUT

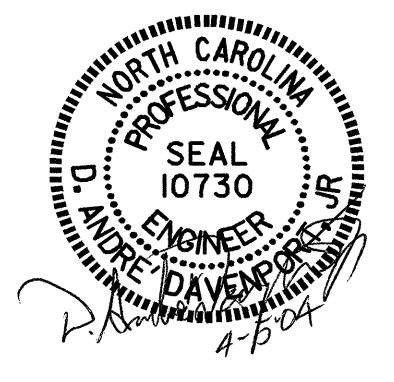


QUANTITIES FOR ONE GIRDER			
	REINFORCING STEEL	7500.0 PSI CONCRETE	1/2" Ø L.R. STRAND
	LB.	C.Y.	No.
SPANS B & C	1026	18.095	44

GIRDERS REQUIRED		
NUMBER	LENGTH	TOTAL LENGTH
8	89.167	713.333

PROJECT NO. B-3865
JOHNSTON COUNTY
 STATION: 21+48.00 -L-

SHEET 2 OF 4
 STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 AASHTO TYPE IV
 PRESTRESSED CONCRETE GIRDER
 CONTINUOUS FOR LIVE LOAD
 SPANS B & C



ASSEMBLED BY : H. TOM BARBOUR	DATE : 3-26-03	CADD STANDARD
CHECKED BY : D. G. ELY	DATE : 5-03	
DRAWN BY : ARB	2/97	REV. 10/99 MAB/LES
CHECKED BY : EEM	2/97	

REVISIONS						SHEET NO.	
NO.	BY:	DATE:	NO.	BY:	DATE:	S-12	
1			3			TOTAL SHEETS	
2			4			33	