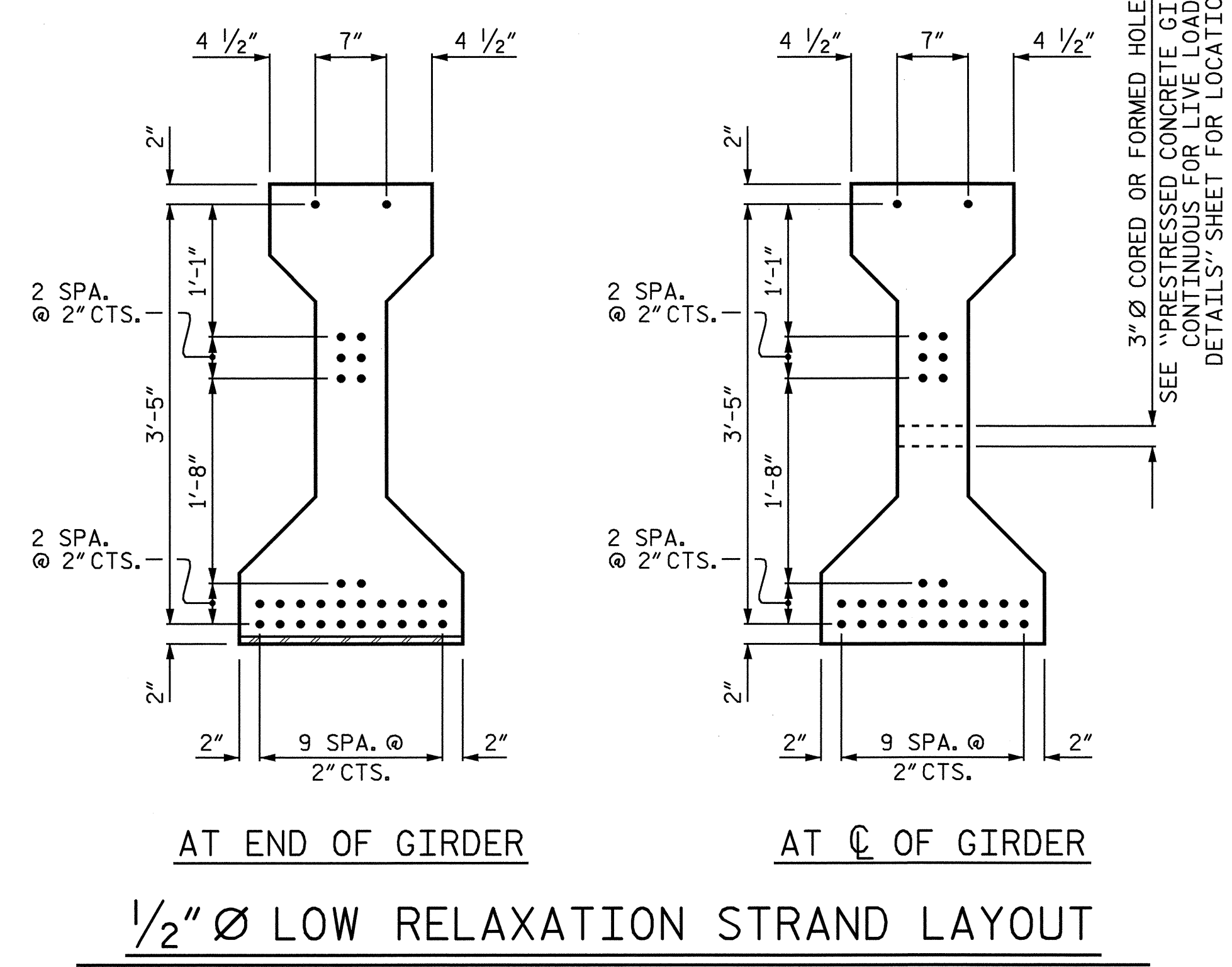


SECTION A-A

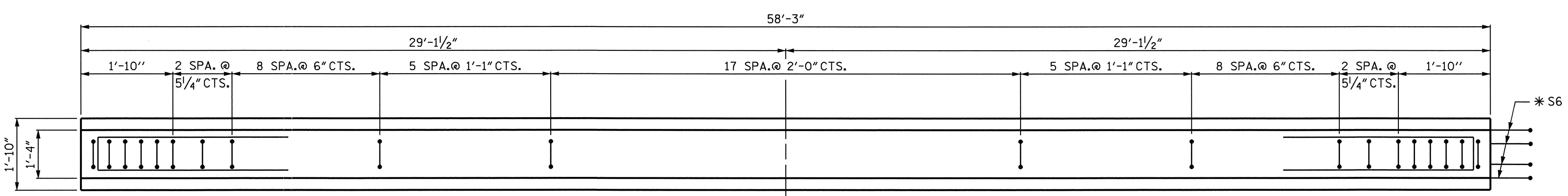
SECTION B-B



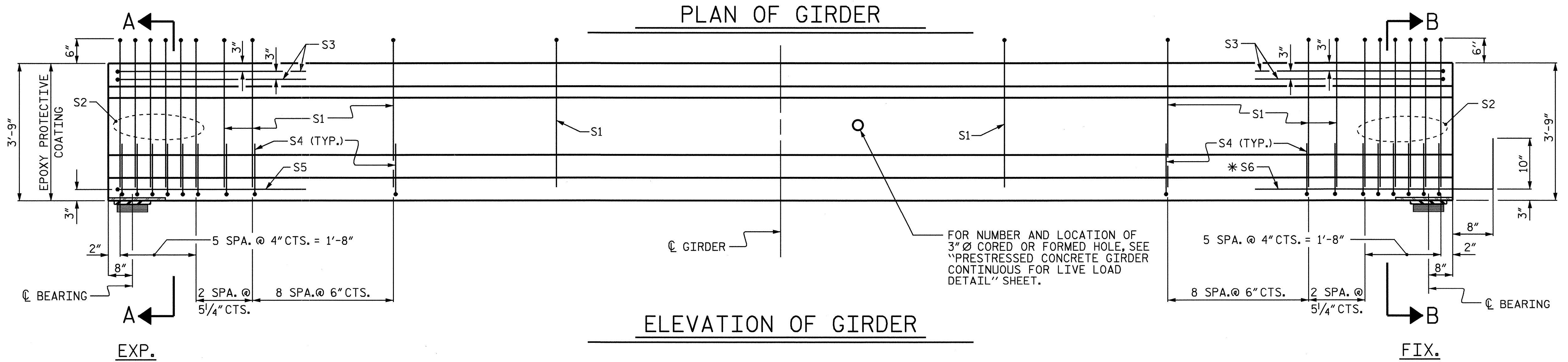
AT END OF GIRDER

AT CL OF GIRDER

1/2" Ø LOW RELAXATION STRAND LAYOUT



PLAN OF GIRDER



ELEVATION OF GIRDER

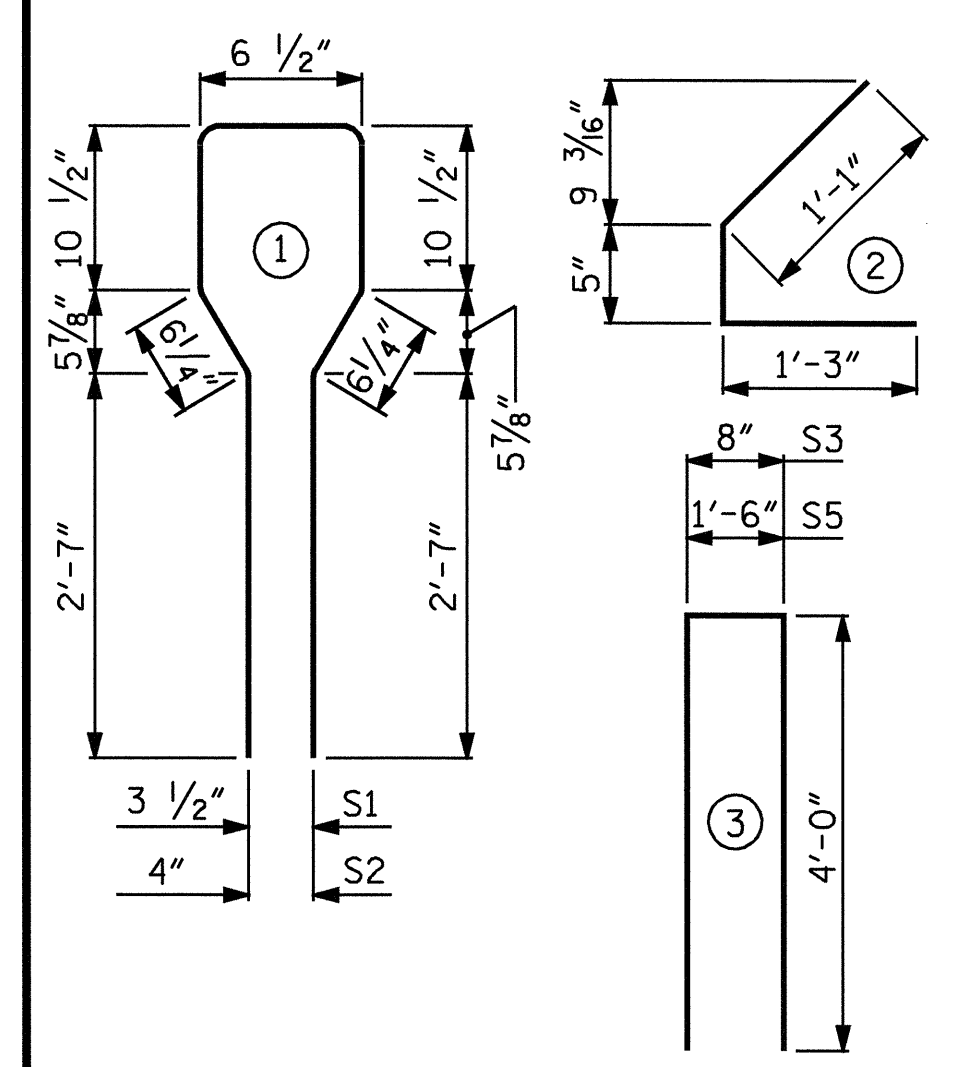
FOR NUMBER AND LOCATION OF 3" Ø CORED OR FORMED HOLE, SEE "PRESTRESSED CONCRETE GIRDER CONTINUOUS FOR LIVE LOAD DETAIL" SHEET.

1/2" Ø L.R GRADE 270 STRANDS		
AREA (IN <sup>2</sup> )	ULTIMATE STRENGTH (LBS./STRAND)	APPLIED PRESTRESS (LBS./STRAND)
0.153	41,300	30,980

REINFORCING STEEL FOR ONE GIRDER					
BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT
S1	46	#4	1	8'-6"	261
S2	12	#6	1	8'-6"	153
S3	4	#4	3	8'-8"	23
S4	64	#4	2	2'-9"	118
S5	1	#4	3	9'-6"	6
*S6	4	#5	STR	3'-8"	15

\*NOTE: S6 BARS SHALL BE BENT AFTER GIRDER FABRICATION AND BEFORE SHIPMENT. HEAT BENDING SHALL NOT BE ALLOWED.

BAR TYPES  
 ALL BAR DIMENSIONS ARE OUT-TO-OUT

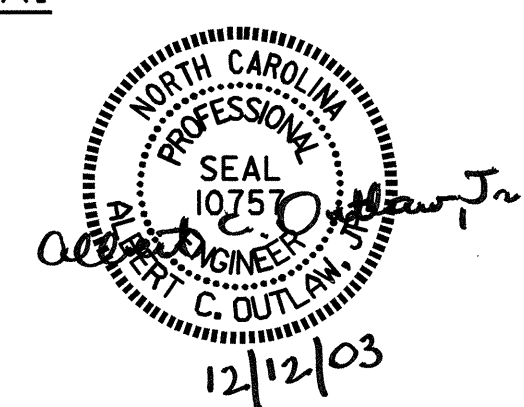


QUANTITIES FOR ONE GIRDER			
	REINFORCING STEEL	6500 PSI CONCRETE	1/2" Ø L.R. STRANDS
	LB.	C.Y.	No.
FOR ONE GIRDER	576	8.4	30

GIRDERS REQUIRED		
NUMBER	LENGTH	TOTAL LENGTH
5	58'-3"	291.25

PROJECT NO. B-3623  
CABARRUS COUNTY  
 STATION: 18+37.50 -L-

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



ASSEMBLED BY : P.C. BREWER	DATE : 4/23/03
CHECKED BY : S.B. WILLIAMS	DATE : 5/9/03
DRAWN BY : ELR 8/91	REV. 2/6/97 EEM/RGW
CHECKED BY : GRP 8/91	REV. 7/17/98 RWW/LES
	REV. 10/17/00 RWW/LES

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-10
1			3			TOTAL SHEETS 34
2			4			