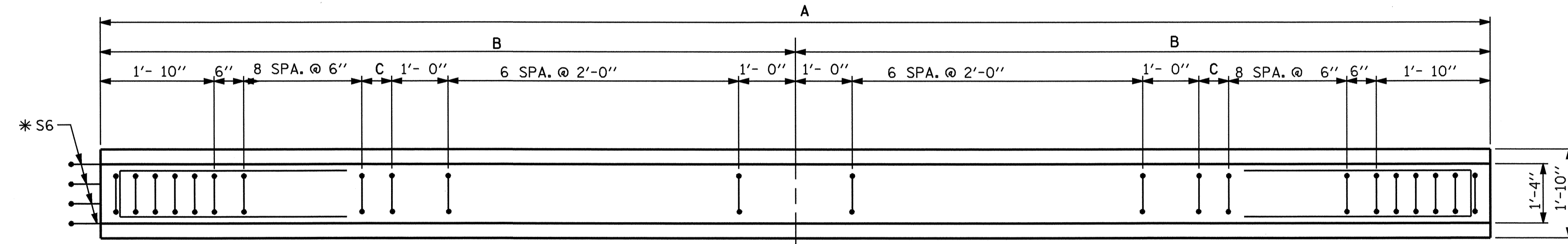
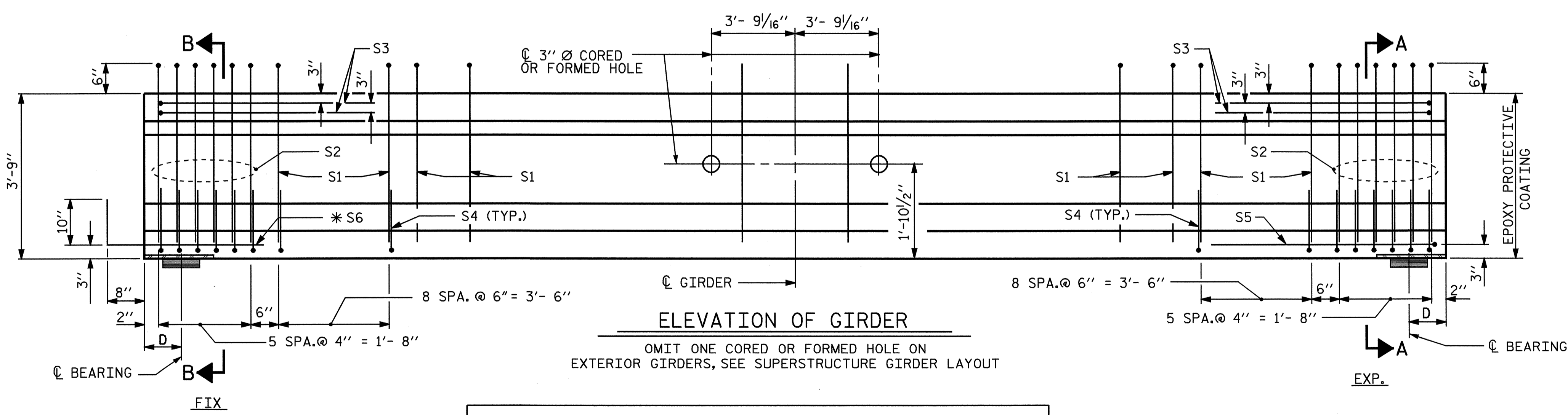


1/2" Ø LOW RELAXATION STRAND LAYOUT



PLAN OF GIRDER



ELEVATION OF GIRDER  
 OMIT ONE CORED OR FORMED HOLE ON EXTERIOR GIRDERS, SEE SUPERSTRUCTURE GIRDER LAYOUT

GIRDER DIMENSIONS				
GIRDER	A	B	C	D
C1	42'-2 1/2"	21'-1 1/4"	9 1/4"	8 3/16"
C2	42'-2 1/2"	21'-1 1/4"	9 1/4"	7 3/4"
C3	42'-5"	21'-2 1/2"	10 1/2"	7 15/16"
C4	42'-7 1/2"	21'-3 3/4"	11 3/4"	8"

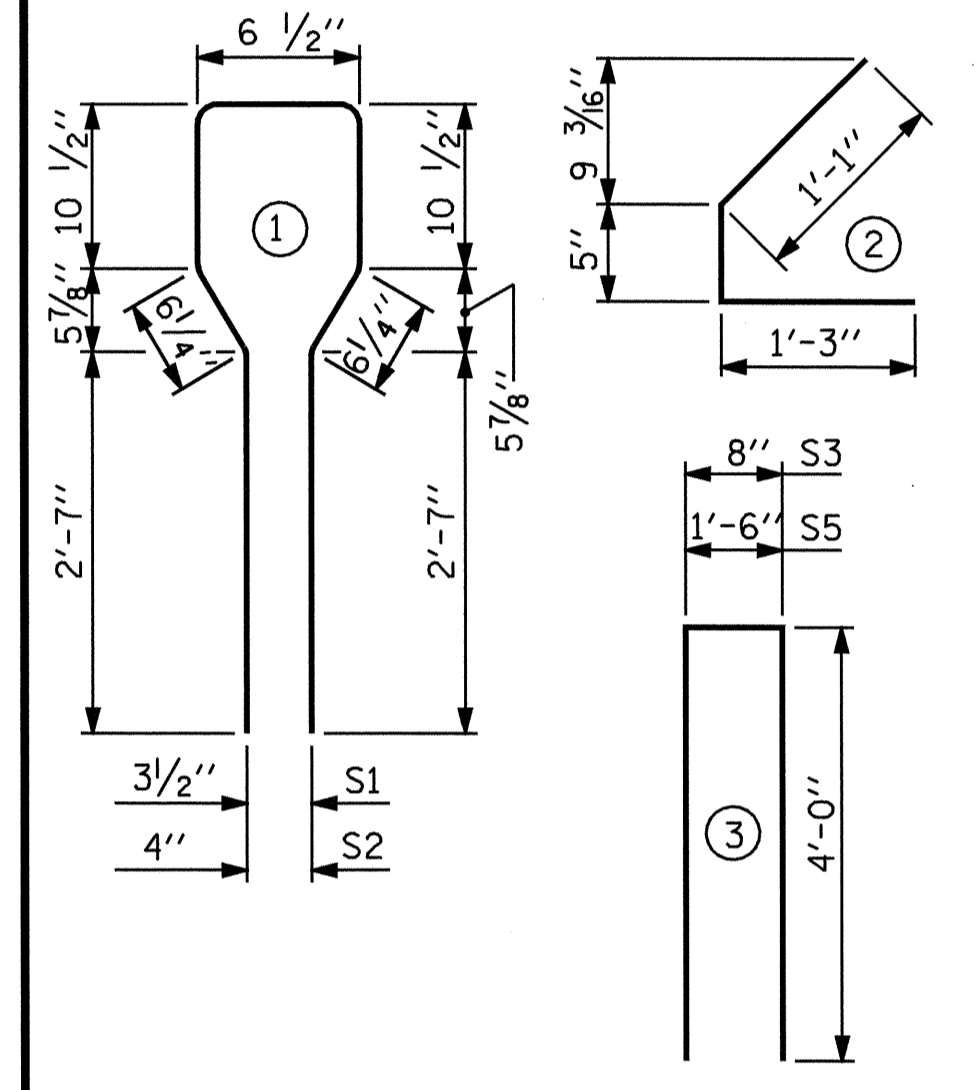
1/2" Ø L. R. GRADE 270 STRANDS		
AREA (SQUARE INCHES)	ULTIMATE STRENGTH (LBS. PER STRAND)	APPLIED PRESTRESS (LBS. PER STRAND)
0.153	41,300	30,980

REINFORCING STEEL FOR ONE GIRDER					
BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT
S1	34	#4	1	8'-6"	193
S2	12	#6	1	8'-6"	153
S3	4	#4	3	8'-8"	23
S4	60	#4	2	2'-9"	110
S5	1	#4	3	9'-6"	6
* S6	4	#5	STR	3'-8"	15

\* NOTE: S6 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**

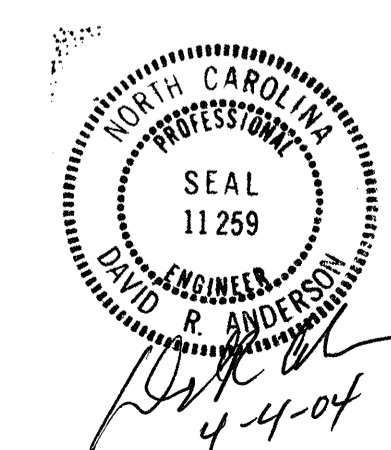
REINFORCING STEEL	5,000 PSI CONCRETE	1/2" Ø L.R. STRANDS
LB.	C.Y.	No.
500	6.1	14

**GIRDERS REQUIRED**

NUMBER	LENGTH	TOTAL LENGTH
C1	42'-2 1/2"	42'-2 1/2"
C2	42'-2 1/2"	42'-2 1/2"
C3	42'-5"	42'-5"
C4	42'-7 1/2"	42'-7 1/2"

PROJECT NO. **B-3649**  
**GUILFORD COUNTY**  
 STATION: **17+39.20 -L**

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH  
**STANDARD**  
 AASHTO TYPE III  
 PRESTRESSED CONCRETE GIRDER  
 SPAN C



REVISIONS					SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		

TOTAL SHEETS: 32

ASSEMBLED BY : N. Q. TRAN DATE : 4-14-03  
 CHECKED BY : T. A. WALTER DATE : 9-30-03  
 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