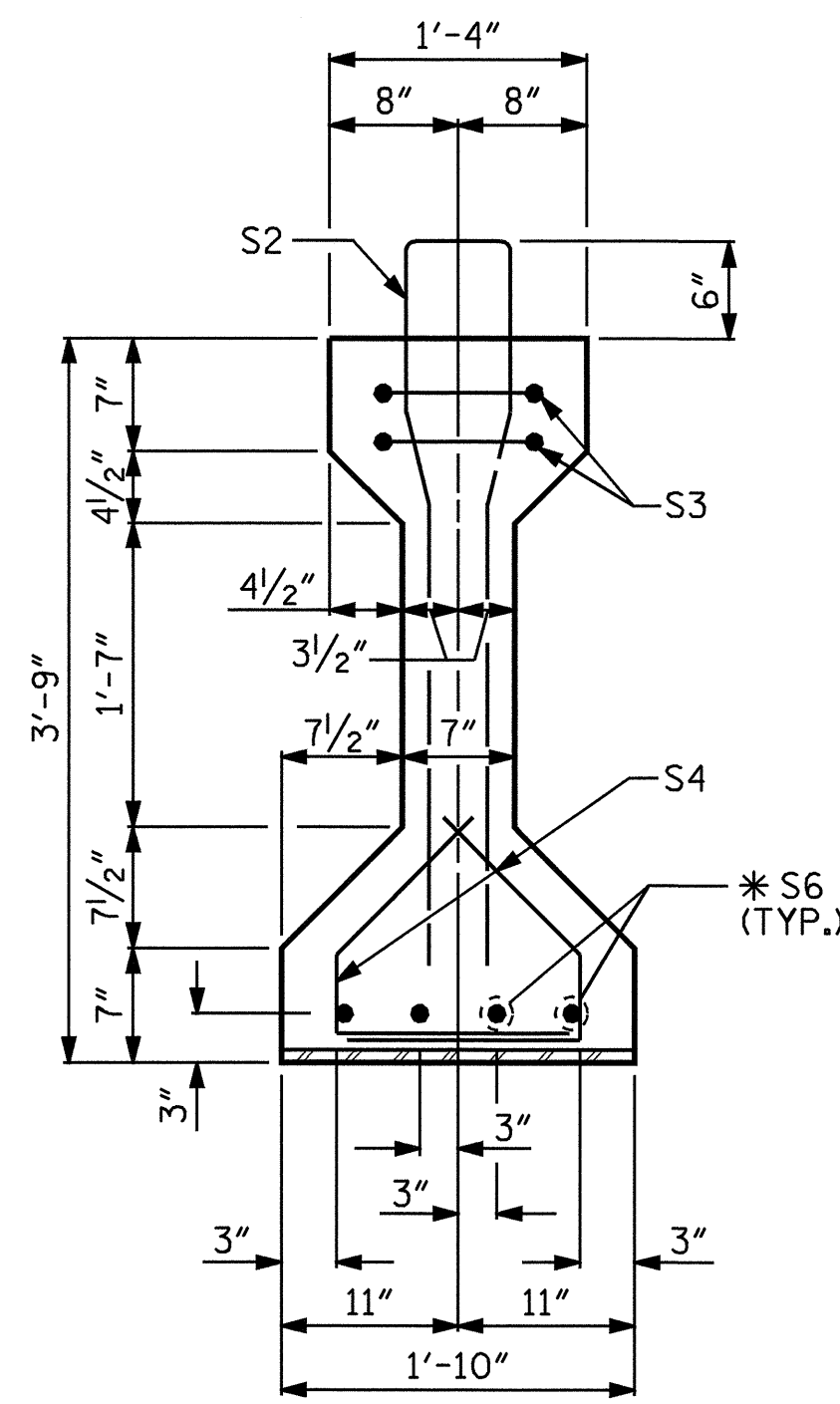
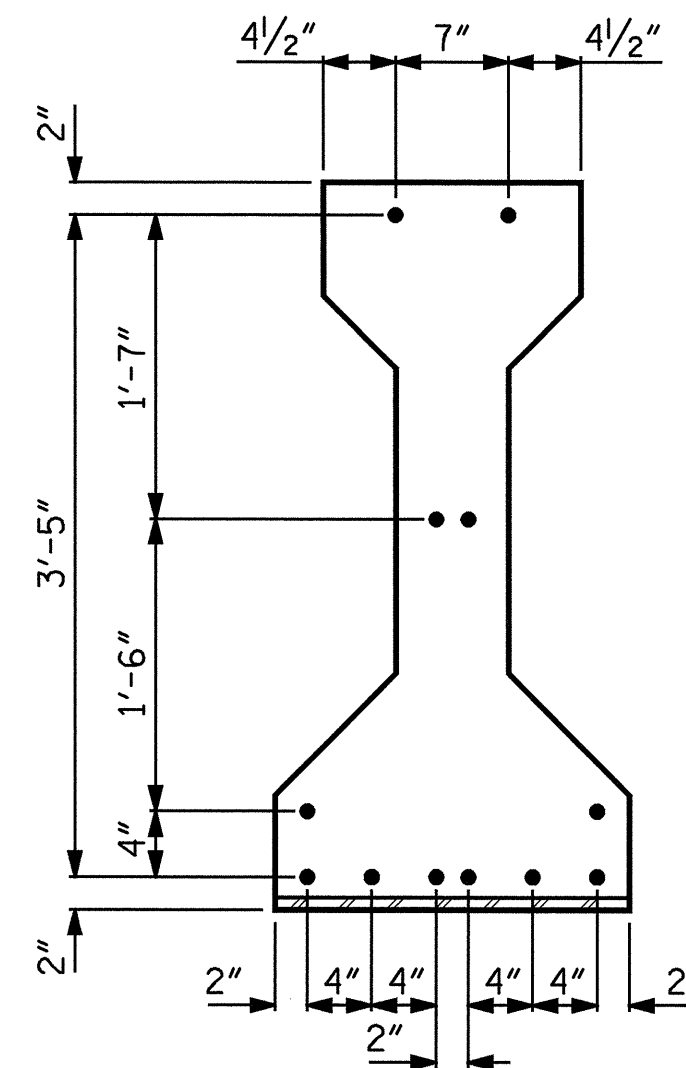


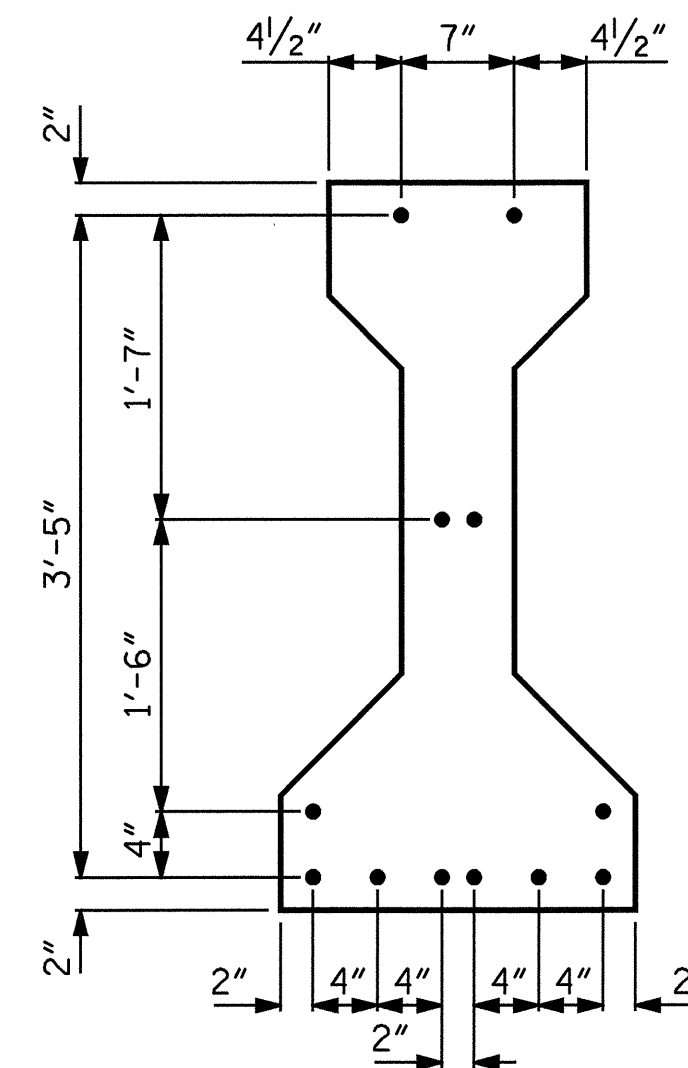
SECTION A-A



SECTION B-B

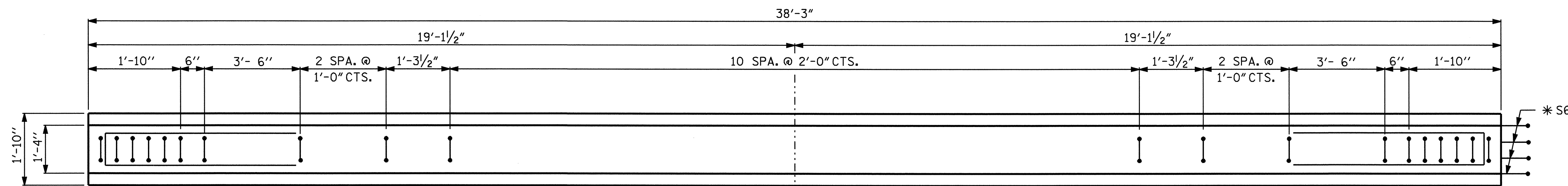


AT END OF GIRDER

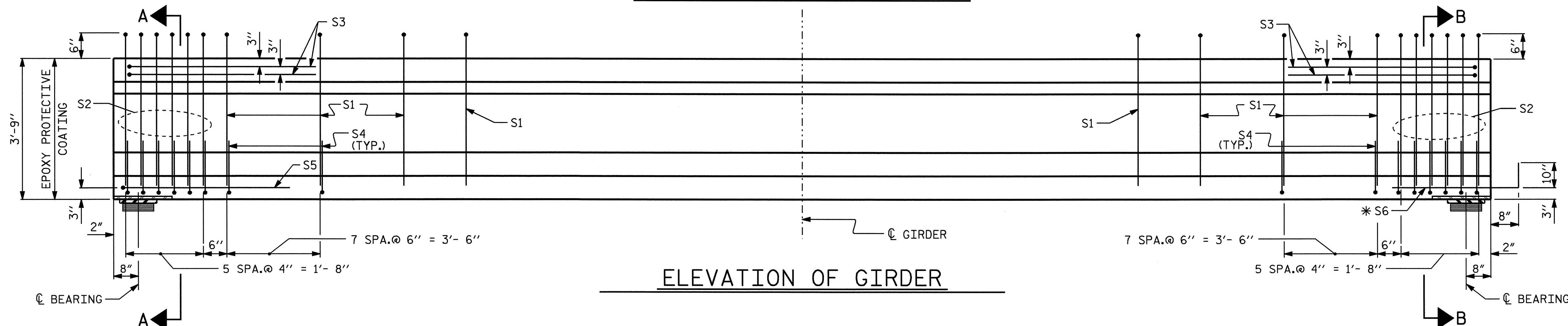


AT C OF GIRDER

1/2" Ø LOW RELAXATION STRAND LAYOUT



PLAN OF GIRDER



ELEVATION OF GIRDER

1/2" Ø L.R. GRADE 270 STRANDS

AREA (IN ²)	ULTIMATE STRENGTH (LBS./STRAND)	APPLIED PRESTRESS (LBS./STRAND)
0.153	41,300	30,980

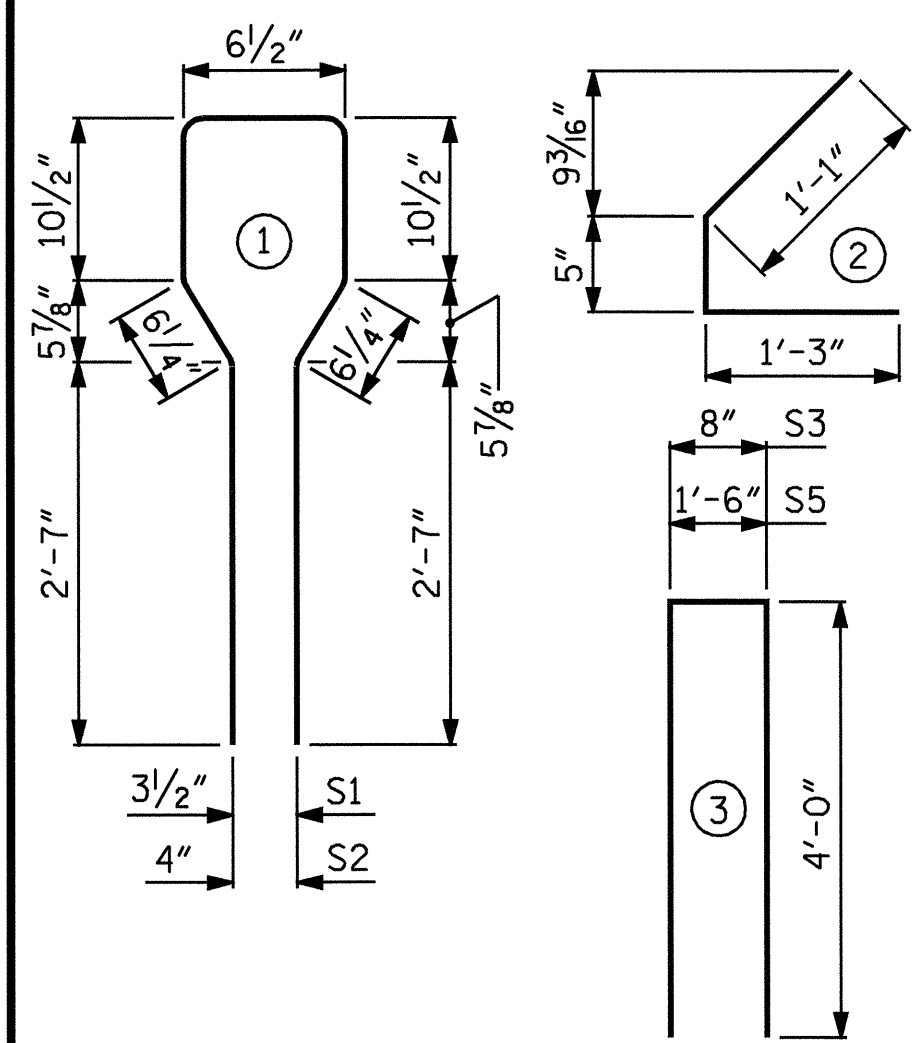
REINFORCING STEEL FOR ONE GIRDER

BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT
S1	31	#4	1	8'-6"	176
S2	12	#6	1	8'-6"	153
S3	4	#4	3	8'-8"	23
S4	56	#4	2	2'-9"	103
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	5000 PSI CONCRETE	1/2" Ø L.R. STRANDS
LB.	C.Y.	No.
476	5.5	12

GIRDERS REQUIRED

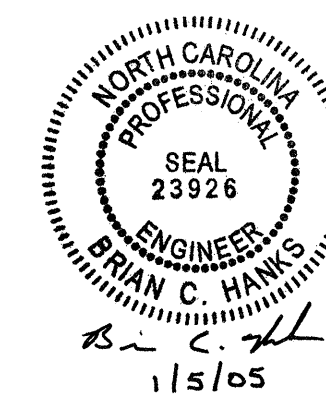
NUMBER	LENGTH	TOTAL LENGTH
5	38'-3"	191.25'

PROJECT NO. B-3714
 WILKES COUNTY
 STATION: 17+05.50 -L-

SHEET 1 OF 4

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 : 7/8/04	CADD STANDARD
CHECKED BY : K.W. ALFORD	DATE : 8/5/04	
DRAWN BY : RB	2/97	REV. 8/16/99 ARB/LES
CHECKED BY : VP	2/97	

REVISIONS						SHEET NO. S-10
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			TOTAL SHEETS 35
2			4			