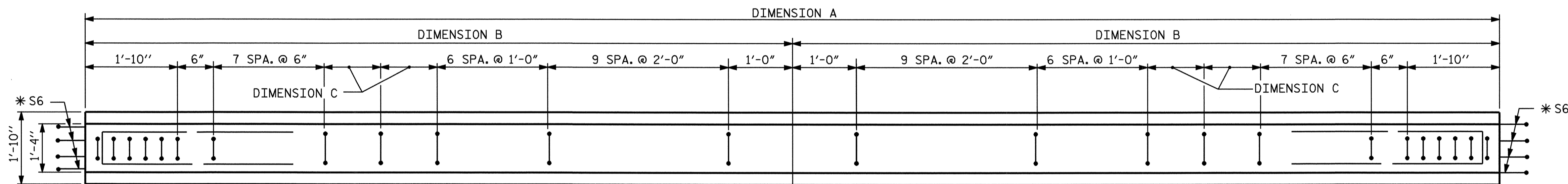
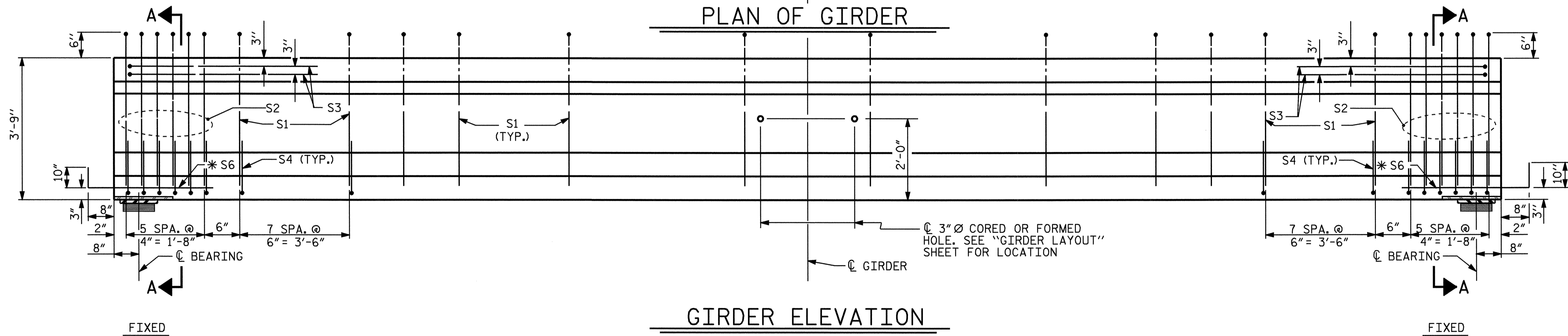


1/2" Ø LOW RELAXATION STRAND LAYOUT



PLAN OF GIRDER



GIRDER ELEVATION

GIRDER DIMENSIONS			
GIRDER	DIMENSION A	DIMENSION B	DIMENSION C
B1	64'-2 1/2"	32'-1 1/4"	7 9/16"
B2	64'-2 1/4"	32'-1 1/8"	7 7/16"
B3	64'-2"	32'-1"	7 1/2"
B4	64'-1 3/4"	32'-0 7/8"	7 1/16"
B5	64'-1 1/2"	32'-0 3/4"	7 3/8"
B6	64'-1 1/4"	32'-0 5/8"	7 1/16"

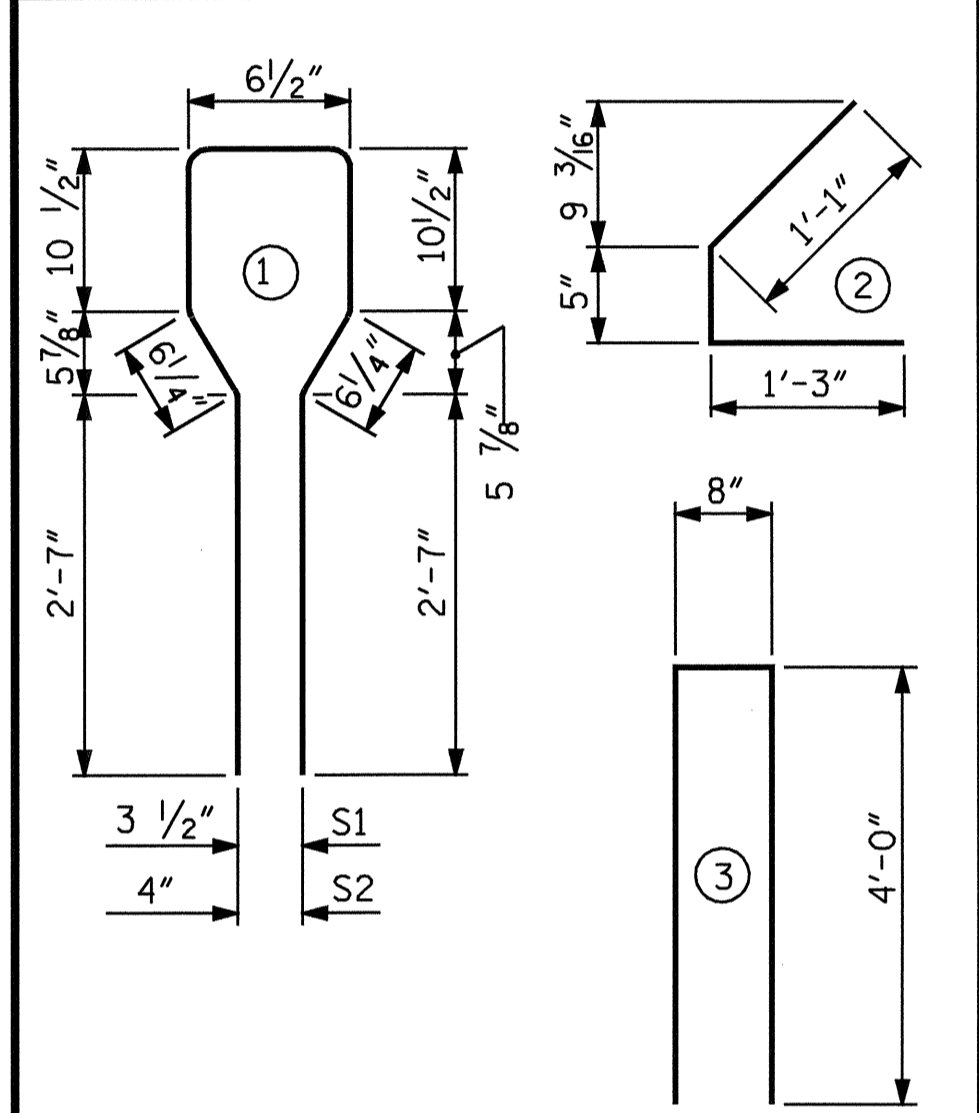
GIRDERS REQUIRED	
GIRDER	LENGTH
B1	64'-2 1/2"
B2	64'-2 1/4"
B3	64'-2"
B4	64'-1 3/4"
B5	64'-1 1/2"
B6	64'-1 1/4"
TOTAL LENGTH	384.94

1/2" * 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	50	#4	1	8'-6"	284
S2	12	#6	1	8'-6"	153
S3	4	#4	3	8'-8"	23
S4	56	#4	2	2'-9"	103
* S6	8	#5	STR	3'-8"	31

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

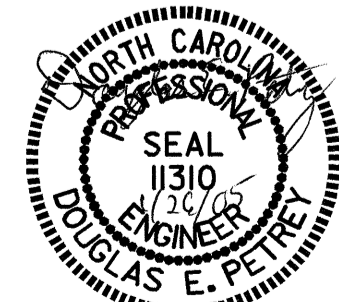
BAR TYPES  
ALL BAR DIMENSIONS ARE OUT-TO-OUT



QUANTITIES FOR ONE GIRDER			
GIRDER	REINFORCING STEEL	5800 PSI CONCRETE	1/2" Ø L.R. STRANDS
	LB.	C.Y.	No.
B1-B6	594	9.3	28

PROJECT NO. B-3694  
ROCKINGHAM COUNTY  
STATION: 17+27.50 -L-

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



ASSEMBLED BY : A.R.CHESSON	DATE : 5-04	CADD STANDARD
CHECKED BY : B.N.GRADY	DATE : 8-04	
DRAWN BY : RB 2/97	REV. 8/16/99 ARB/LES	
CHECKED BY : VP 2/97		

REVISIONS						SHEET NO. S-12
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			TOTAL SHEETS 36
2			4			