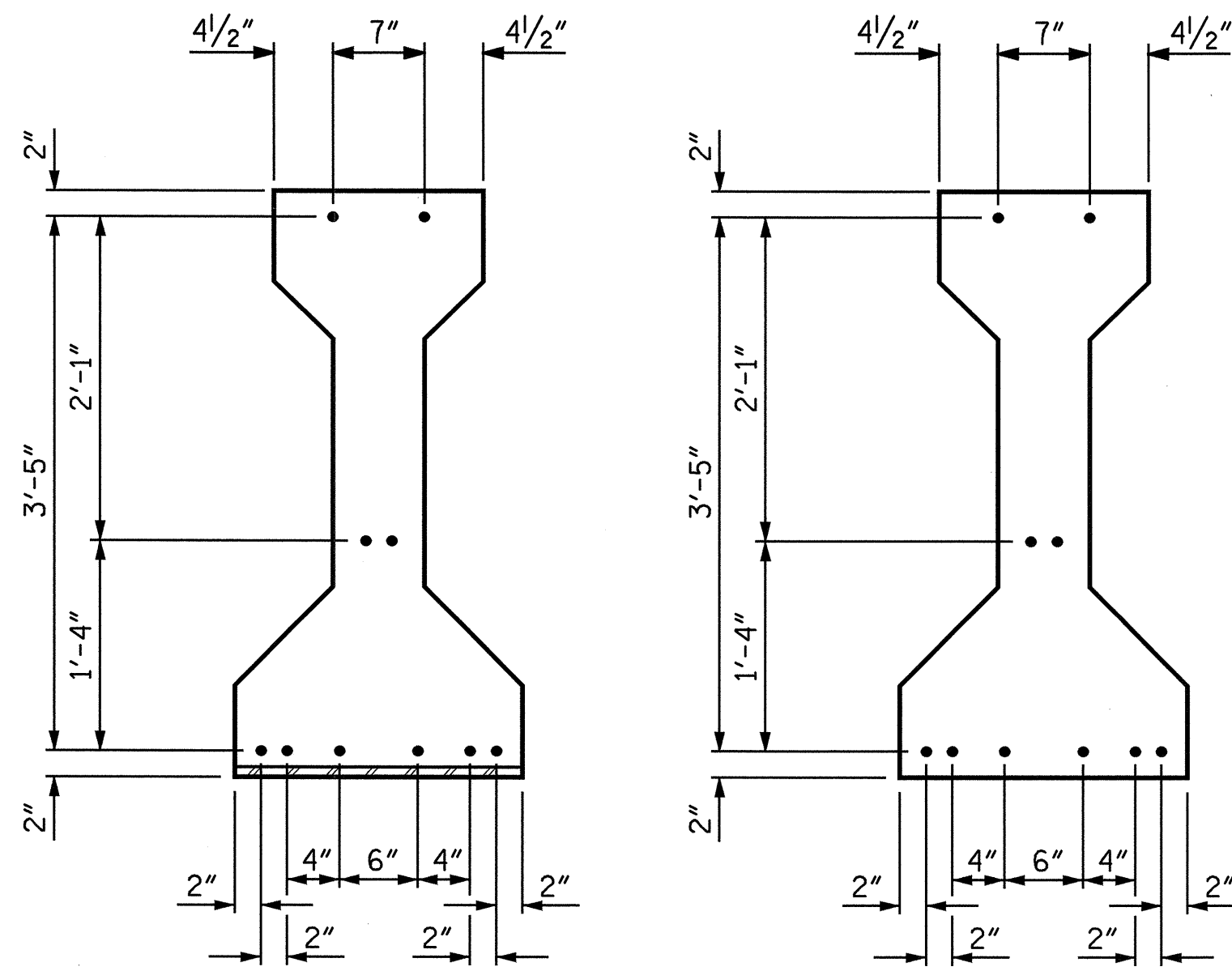


SECTION A-A



AT END OF GIRDER
AT CL OF GIRDER
1/2" Ø LOW RELAXATION STRAND LAYOUT

1/2" Ø L.R. GRADE 270 STRANDS

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

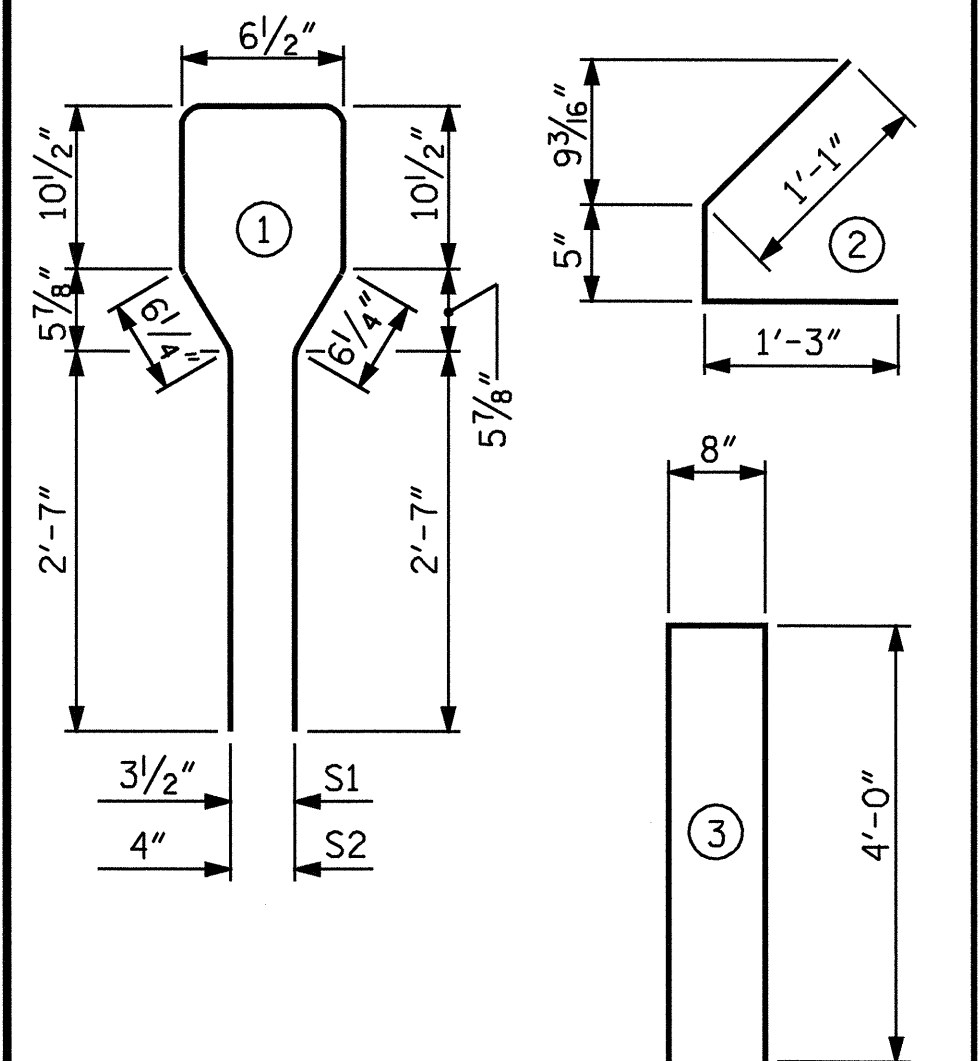
REINFORCING STEEL FOR ONE GIRDER

BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT
S1	34	#4	1	8'-6"	193
S2	12	#6	1	8'-6"	153
S3	4	#4	3	8'-8"	23
S4	64	#4	2	2'-9"	118
▲S6	8	#5	STR	3'-8"	31

▲ 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.
518	5.9	10

GIRDERS REQUIRED

NUMBER	LENGTH	TOTAL LENGTH
10	41'-2"	411.67

PROJECT NO. B-3690
RANDOLPH COUNTY
STATION: 17+41.00 -L-

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
AASHTO TYPE III
PRESTRESSED CONCRETE GIRDER
CONTINUOUS FOR LIVE LOAD
SPANS "B" & "D"

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

SHEET NO.	
TOTAL SHEETS	NO.
37	S-13



ASSEMBLED BY : M. ALLEN	DATE : 7/03	CADD STANDARD
CHECKED BY : P.C. BREWER	DATE : 8/03	
DRAWN BY : RB 2/97	REV. 8/16/99 ARB/LES	
CHECKED BY : VP 2/97		