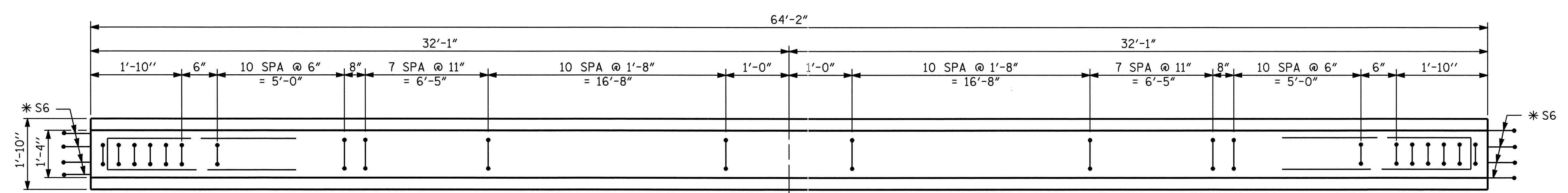
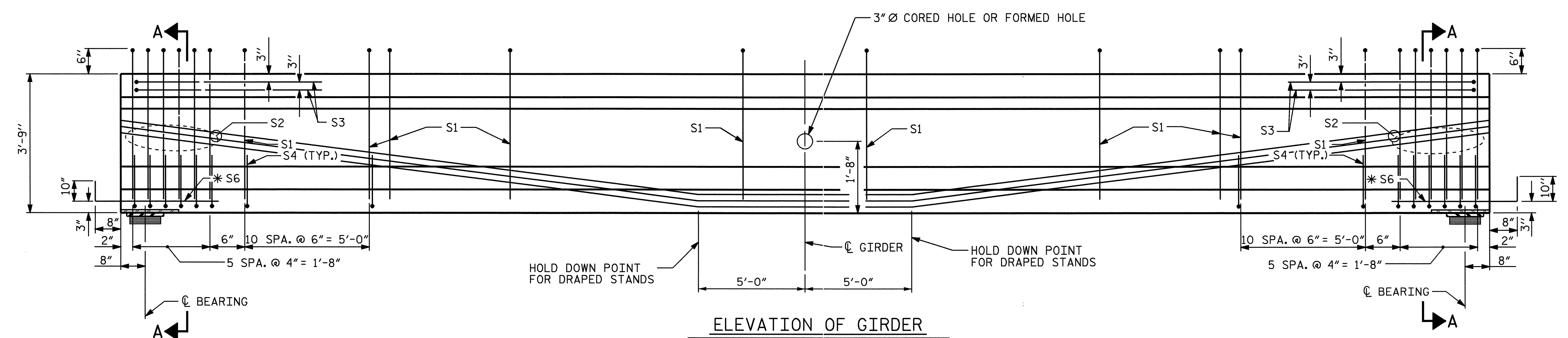


1/2" Ø LOW RELAXATION STRAND LAYOUT



PLAN OF GIRDER



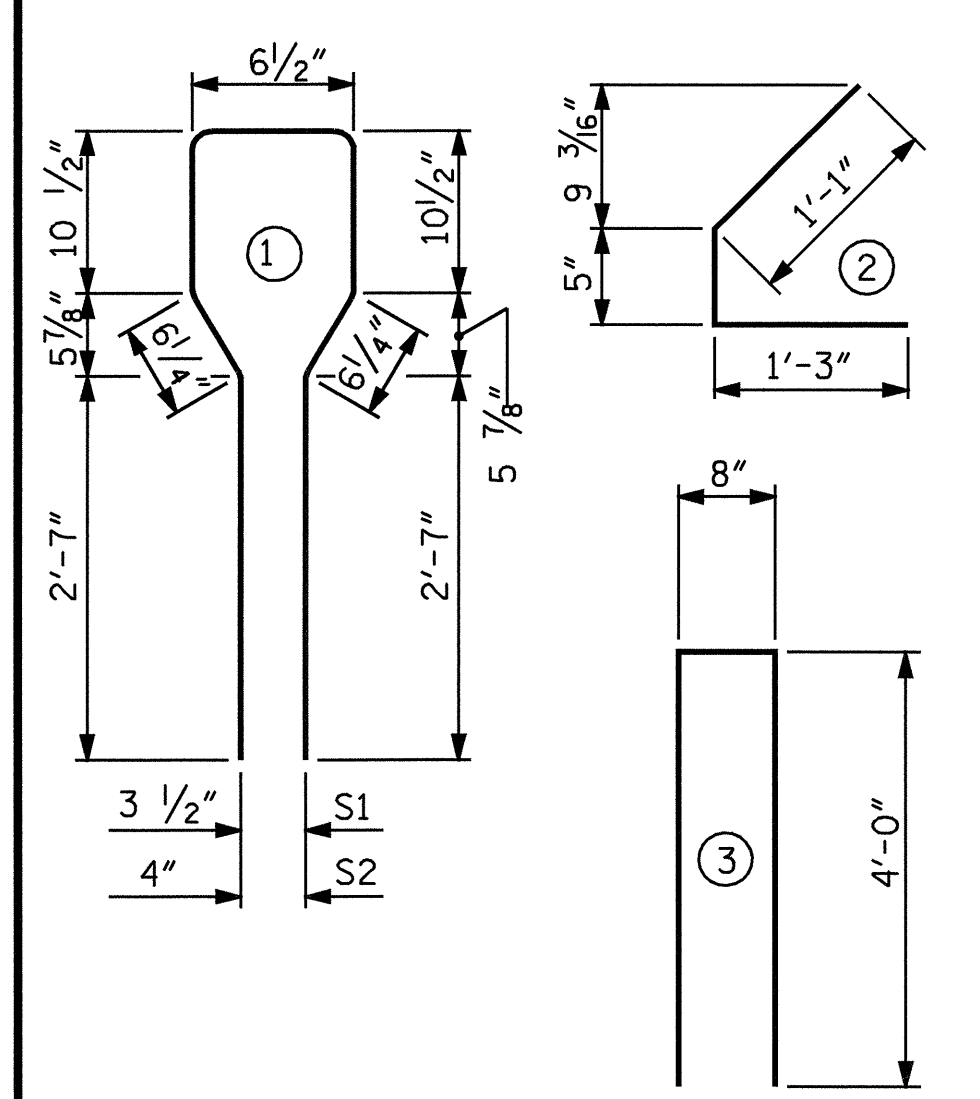
ELEVATION OF GIRDER

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	58	#4	1	8'-6"	329
S2	12	#6	1	8'-6"	153
S3	4	#4	3	8'-8"	23
S4	70	#4	2	2'-9"	129
*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			
REINFORCING STEEL	5000.0 PSI CONCRETE	1/2" Ø L.R. STRANDS	
		LB.	No.
665	9.2		26

GIRDERS REQUIRED		
NUMBER	LENGTH	TOTAL LENGTH
4	64.17	256.66

PROJECT NO. B-3875
MOORE COUNTY
STATION: 17+70.00 -L-

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



ASSEMBLED BY : J.D. HAWK	DATE : 8/03	CADD STANDARD
CHECKED BY : J.G. KHARVA	DATE : 8/03	
DRAWN BY : RB	REV. 8/16/99 ARB/LES	
CHECKED BY : VP	2/97	

REVISIONS					SHEET NO.
NO.	BY:	DATE:	NO.	DATE:	S-9
1			3		TOTAL SHEETS
2			4		33