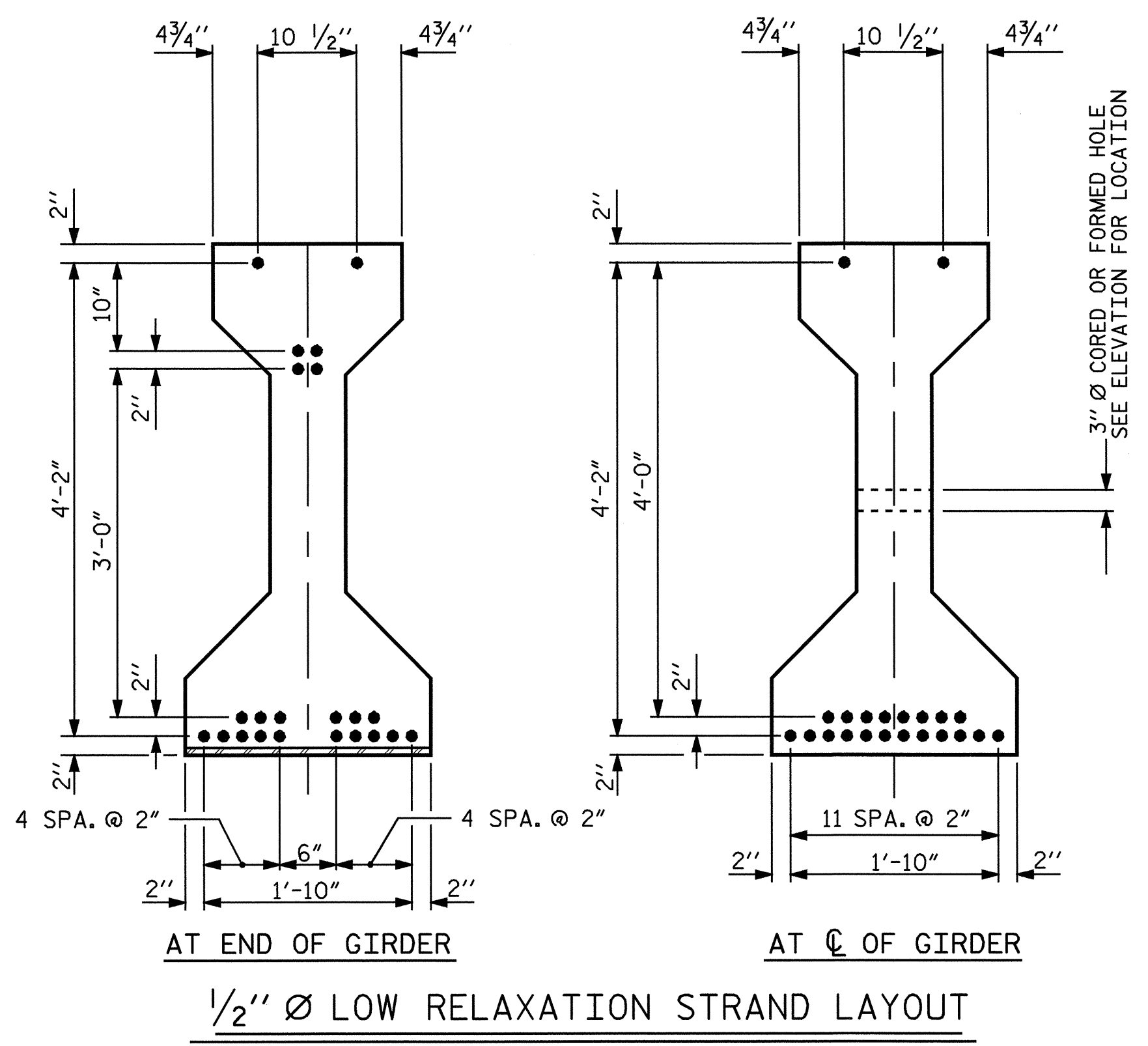


* FOR S7 BARS, SEE
DETAIL "A" OF
PRESTRESSED
CONCRETE GIRDER
CONTINUOUS FOR LIVE
LOAD DETAILS SHEET



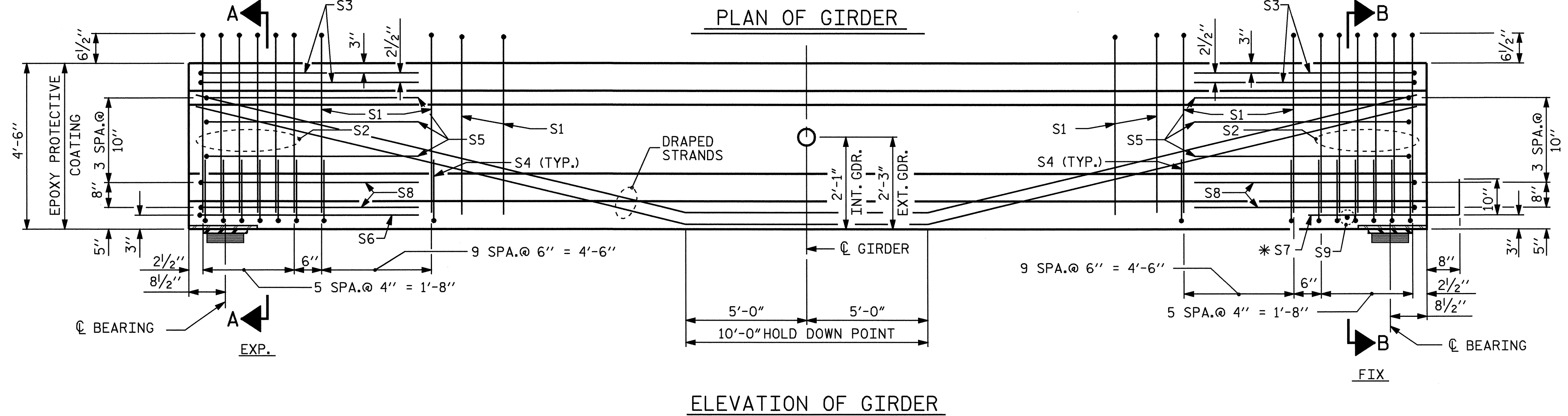
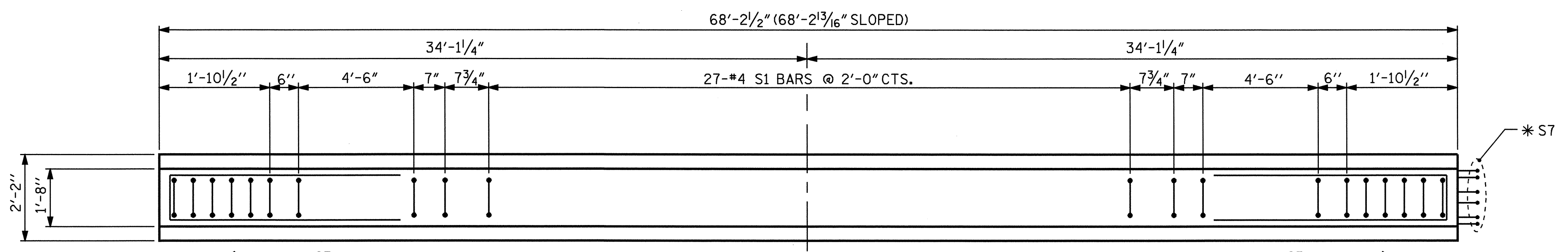
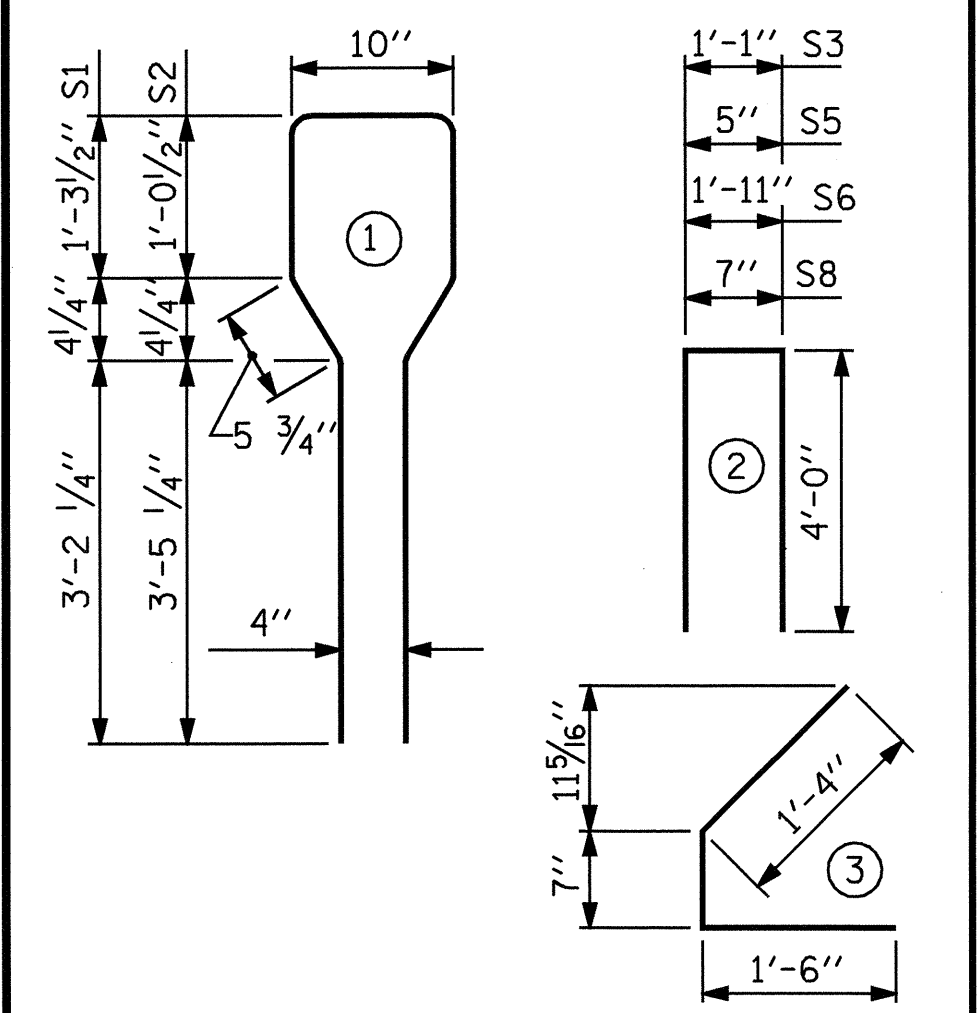
1/2" Ø L. R. GRADE 270 STRANDS		
AREA (SQUARE INCHES)	ULTIMATE STRENGTH (LBS. PER STRAND)	APPLIED PRESTRESS (LBS. PER STRAND)
0.153	41,300	30,980

REINFORCING STEEL FOR ONE GIRDER					
BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT
S1	49	#4	1	10'-9"	352
S2	12	#6	1	10'-9"	194
S3	4	#4	2	9'-1"	24
S4	64	#4	3	3'-5"	146
S5	6	#4	2	8'-5"	34
S6	1	#4	2	9'-11"	7
* S7	6	#5	STR	3'-8"	23
S8	4	#4	2	8'-7"	23
S9	1	#3	STR	1'-10"	1

* NOTE: S7 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.
ALL GIRDERS	804	13.8	22

GIRDERS REQUIRED

NUMBER	LENGTH	TOTAL LENGTH
4	68'-2 1/2"	272'-10"

PROJECT NO. B-3828
CLEVELAND COUNTY
 STATION: 14+65.00 -L-

SHEET 1 OF 3

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
**STANDARD
 AASHTO TYPE IV
 PRESTRESSED CONCRETE GIRDER
 CONTINUOUS FOR LIVE LOAD
 SPAN "A"**

NOVEMBER 1991

REVISIONS						SHEET NO. S-9
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			TOTAL SHEETS 30
2			4			

ASSEMBLED BY : PEGGY ADKINS DATE : 3-03
 CHECKED BY : T. AVERETTE DATE : 4-03
 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

