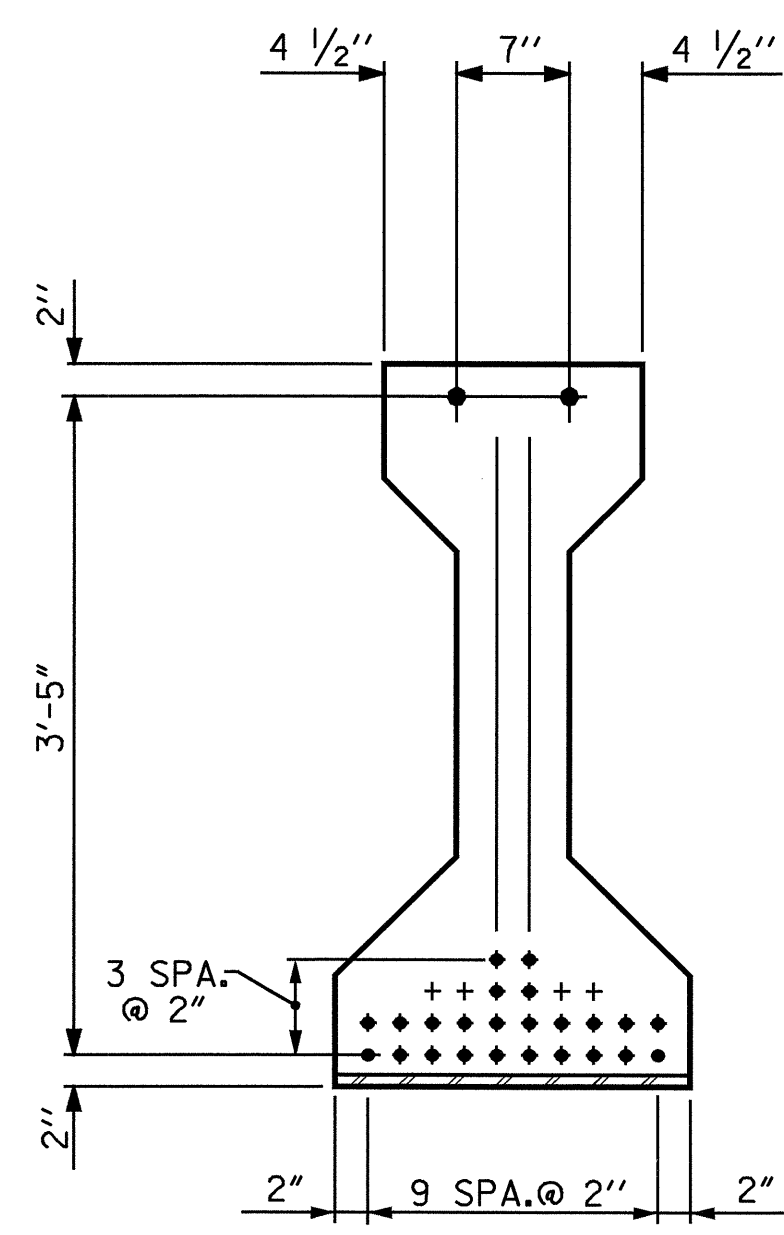
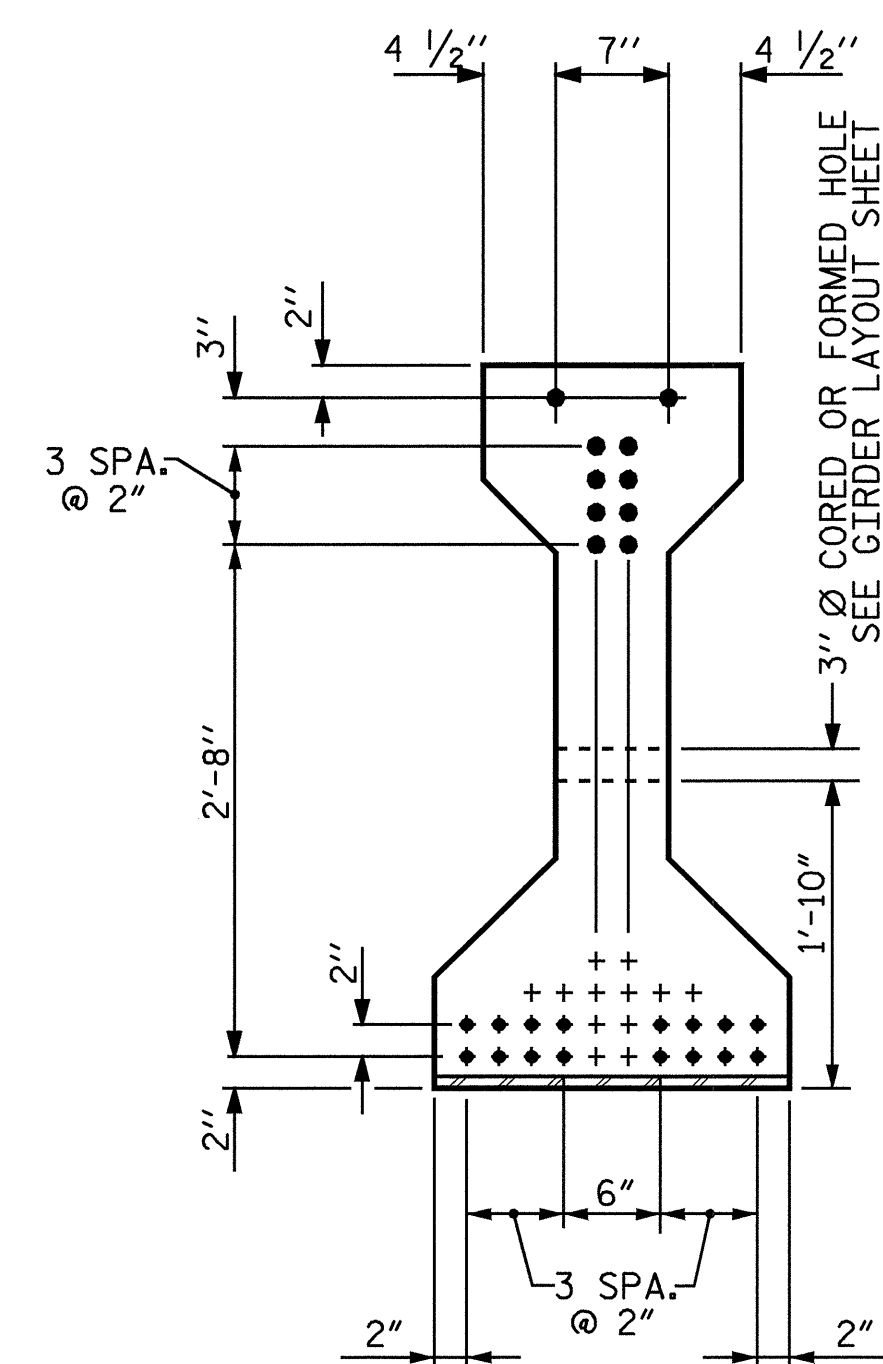


SECTION B-B



AT CL OF GIRDER



AT END OF GIRDER

1/2" Ø LOW RELAXATION STRAND LAYOUT

SPAN "B"		
GIRDER	"A"	"B"
B1	63'-5 3/16"	1'-8 5/8"
B2	63'-4 5/8"	1'-8 5/8"
B3	63'-4 1/16"	1'-8"
B4	63'-3 1/2"	1'-7 3/4"
B5	63'-3 1/4"	1'-7 5/8"
B6	63'-2 11/16"	1'-7 3/8"
B7	63'-2 1/8"	1'-7 1/16"
B8	63'-1 5/8"	1'-6 3/16"
B9	63'-1 1/16"	1'-6 9/16"
B10	63'-0 9/16"	1'-6 1/4"
B11	63'-0"	1'-6"
B12	62'-11 1/2"	1'-5 3/4"
B13	62'-11"	1'-5 1/2"

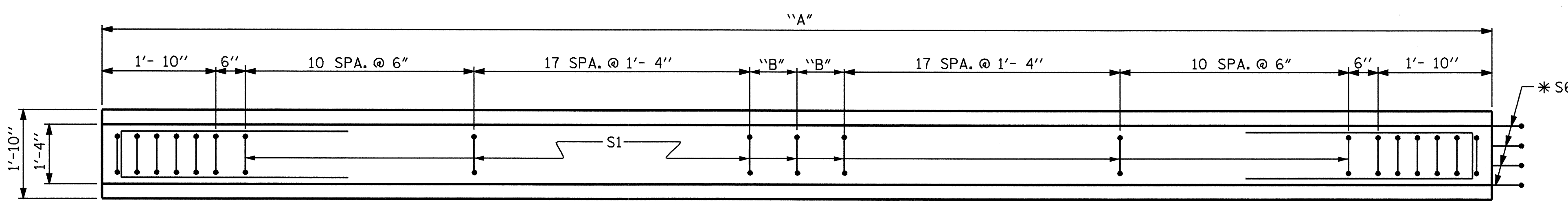
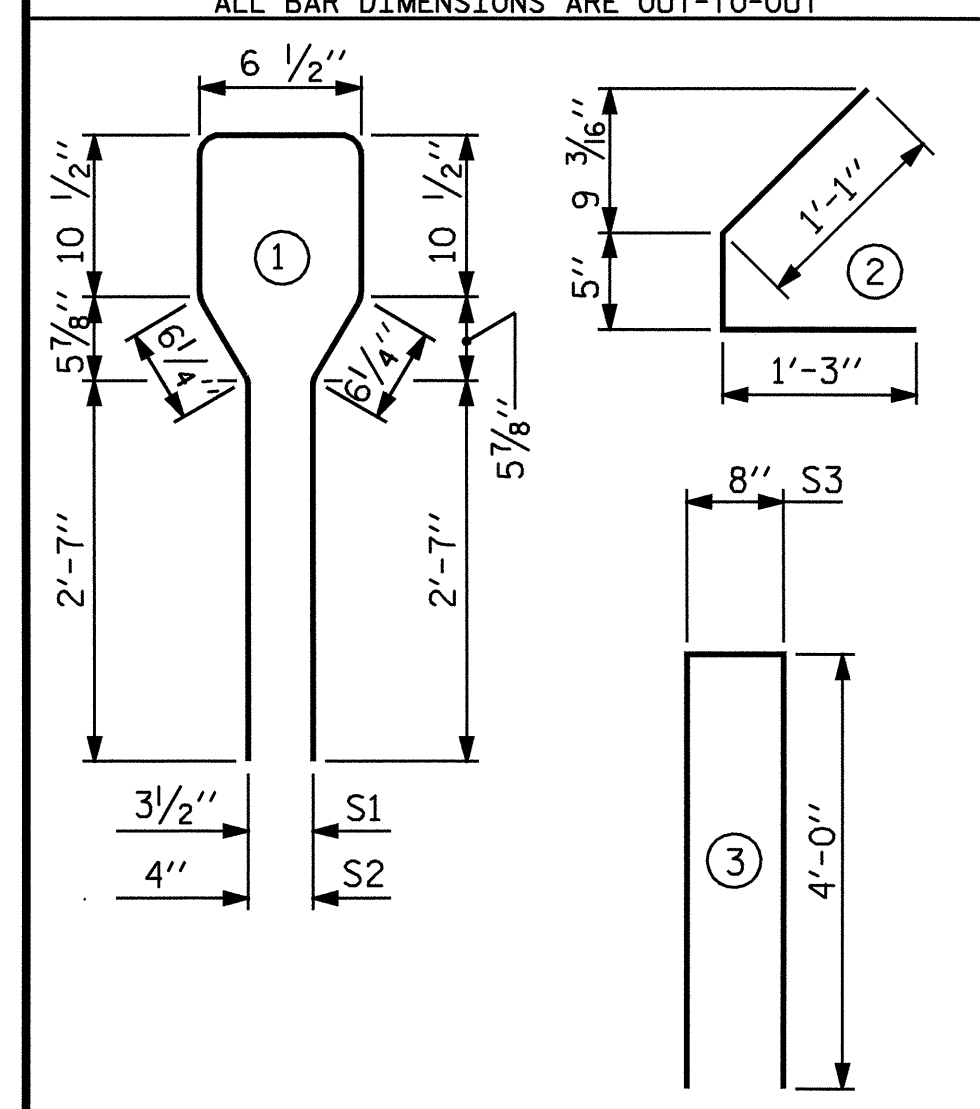
THE UPLIFT FORCE DUE TO DRAPED STRANDS IS 24.8 KIPS.

1/2" Ø L. R. GRADE 270 STRANDS		
AREA (SQ. 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	57	#4	1	8'-6"	324
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

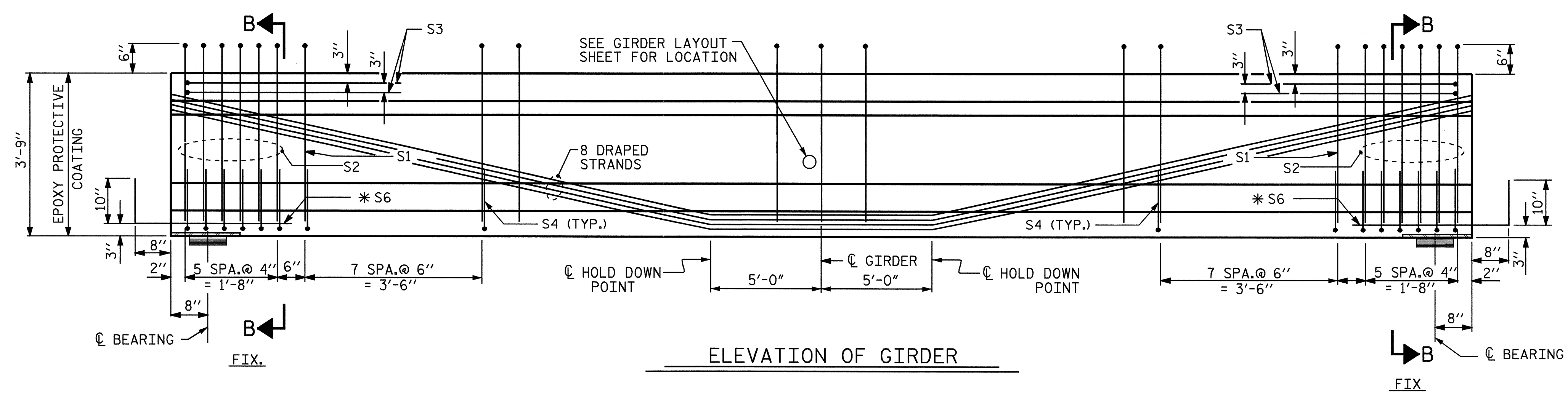


PLAN OF GIRDER

QUANTITIES FOR ONE GIRDER		
REINFORCING STEEL LB.	6500 PSI CONCRETE C.Y.	1/2" Ø L.R. STRANDS No.
634	9.1	26

GIRDERS REQUIRED

NUMBER	LENGTH	TOTAL LENGTH
13	VARIES (SEE TABLE)	821'-3 3/16"



ELEVATION OF GIRDER

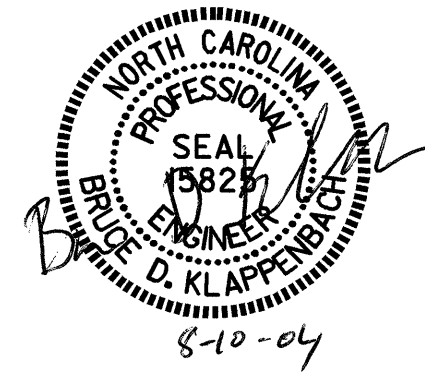
PROJECT NO. U-0620
CUMBERLAND COUNTY
STATION: 32+18.00 -L-

SHEET 2 OF 3

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

NOVEMBER 1991

REVISIONS						SHEET NO.	
NO.	BY:	DATE:	NO.	BY:	DATE:	S-18	
1			3			TOTAL SHEETS 129	
2			4				



ASSEMBLED BY : M. G. SHAIKH	DATE : 5-12-03
CHECKED BY : D. A. GLADDEN	DATE : 07-03
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