

**DEBONDING LEGEND**

- FULLY BONDED STRANDS
- STRANDS DEBONDED FOR 2'-0" FROM END OF GIRDER
- STRANDS DEBONDED FOR 4'-0" FROM END OF GIRDER
- ▲ OPTIONAL SLACK STRAND WITH APPLIED PRESTRESS OF 4500 LBS. PER STRAND

**0.6" Ø L.R. GRADE 270 STRANDS**

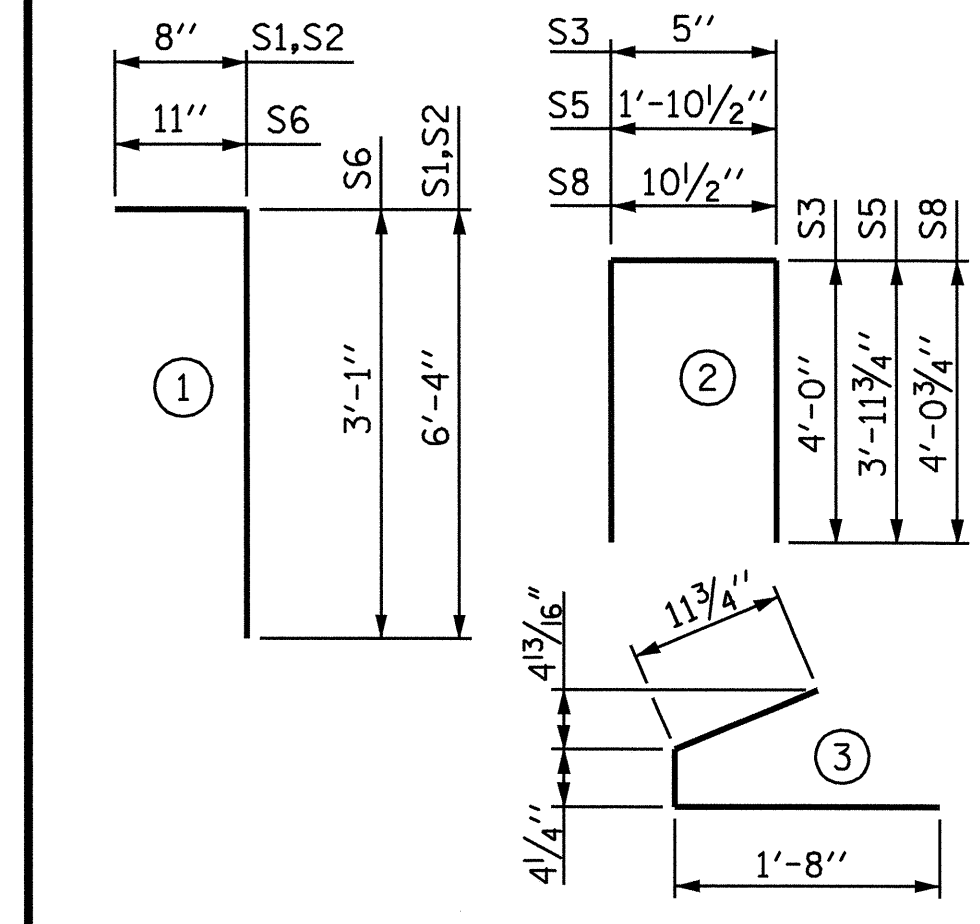
AREA (SQ. INCHES)	ULTIMATE STRENGTH (LBS. PER STRAND)	APPLIED PRESTRESS (LBS. PER STRAND)
0.217	58,600	43,950

**REINFORCING STEEL FOR ONE GIRDER**

BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT
S1	190	#4	1	7'-0"	888
S2	24	#5	1	7'-0"	175
S3	14	#4	2	8'-5"	79
S4	84	#4	3	3'-0"	168
S5	1	#5	2	9'-10"	10
S6	214	#5	1	4'-0"	893
*S7	10	#5	STR	3'-8"	38
S8	2	#5	2	9'-0"	19
S9	48	#5	STR	3'-3"	163
S10	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	10,000 PSI CONCRETE	0.6" Ø L.R. STRANDS
	LB.	C.Y.	No.
	2434	27.6	38

**GIRDERS REQUIRED**

NUMBER	LENGTH	TOTAL LENGTH
5	128'-11"	644'-7"

PROJECT NO. I-4025A  
YADKIN-SURRY COUNTY  
 STATION: 28+95.00 -SBL-

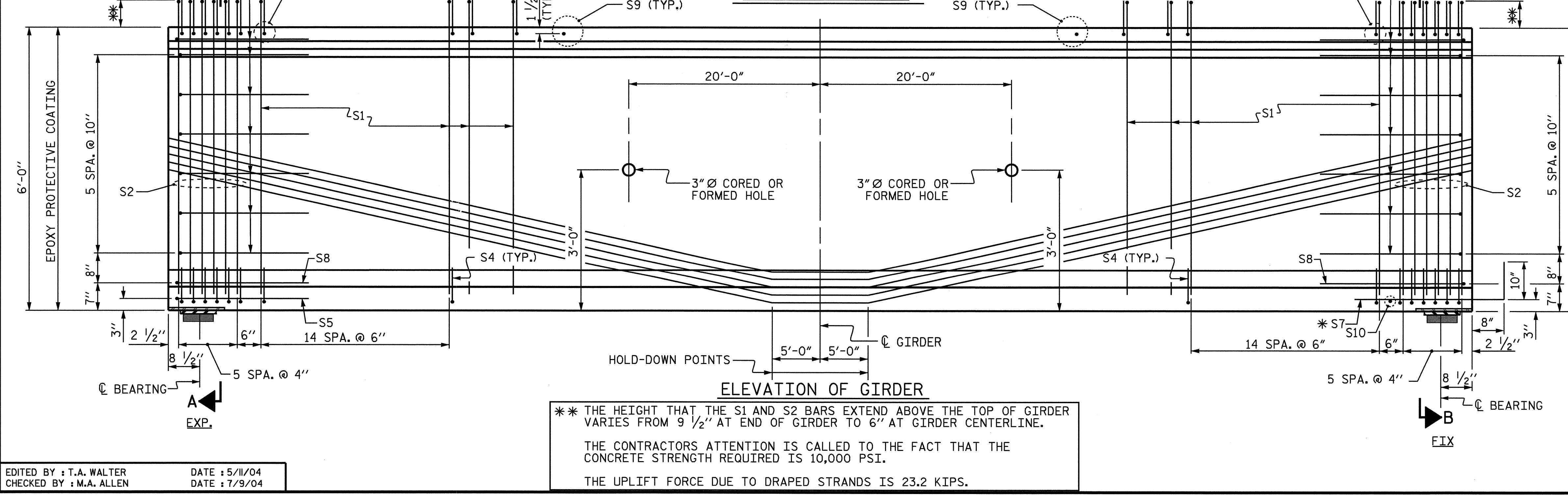
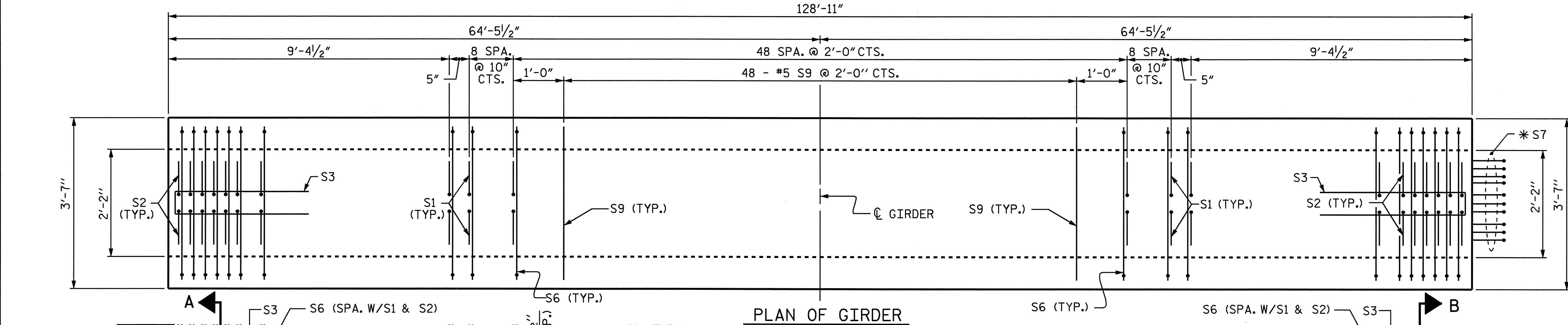
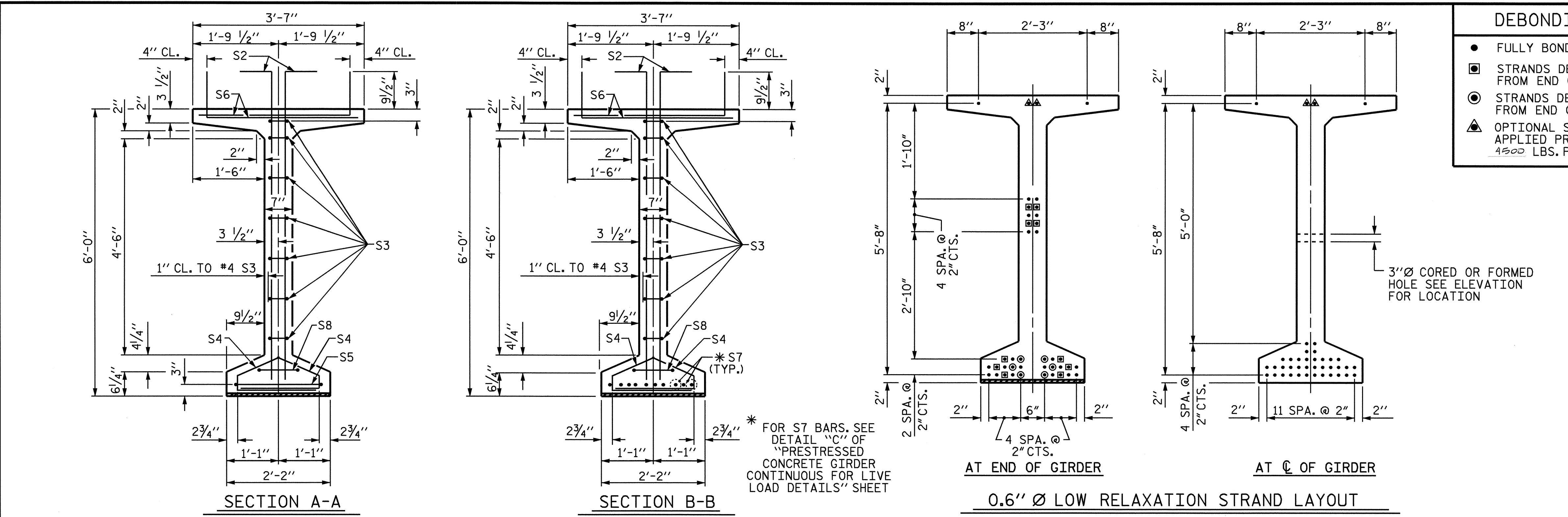
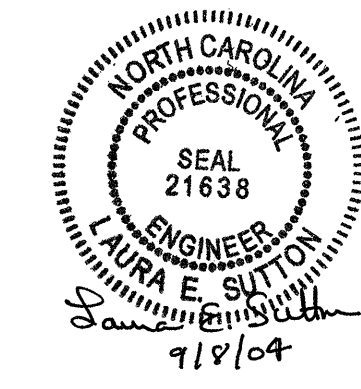
STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH

72" PRESTRESSED CONCRETE  
 MODIFIED BULB TEE  
 CONTINUOUS FOR LIVE LOAD

SPAN F  
 STAGE II

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

TOTAL SHEETS: 18



EDITED BY : T.A. WALTER  
 CHECKED BY : M.A. ALLEN  
 DATE : 5/11/04  
 DATE : 7/9/04