

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

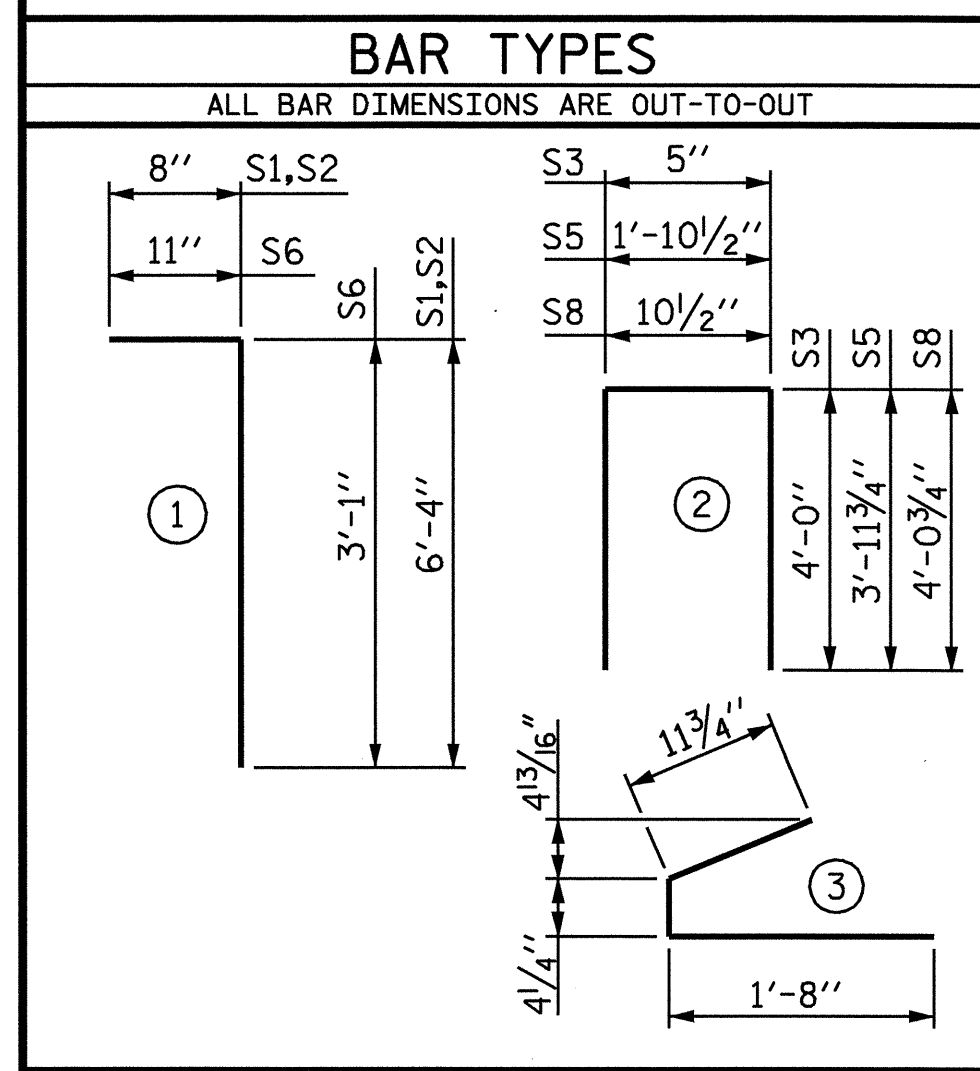
0.6" Ø L.R. GRADE 270 STRANDS

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	180	#4	1	7'-0"	842
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	204	#5	1	4'-0"	851
*S7	10	#5	STR	3'-8"	38
S8	2	#5	2	9'-0"	19
S9	47	#5	STR	3'-3"	159
S10	1	#3	STR	1'-10"	1

* NOTE: S7 BARS SHALL BE BENT BEFORE SHIPMENT. HEAT BENDING SHALL NOT BE ALLOWED.

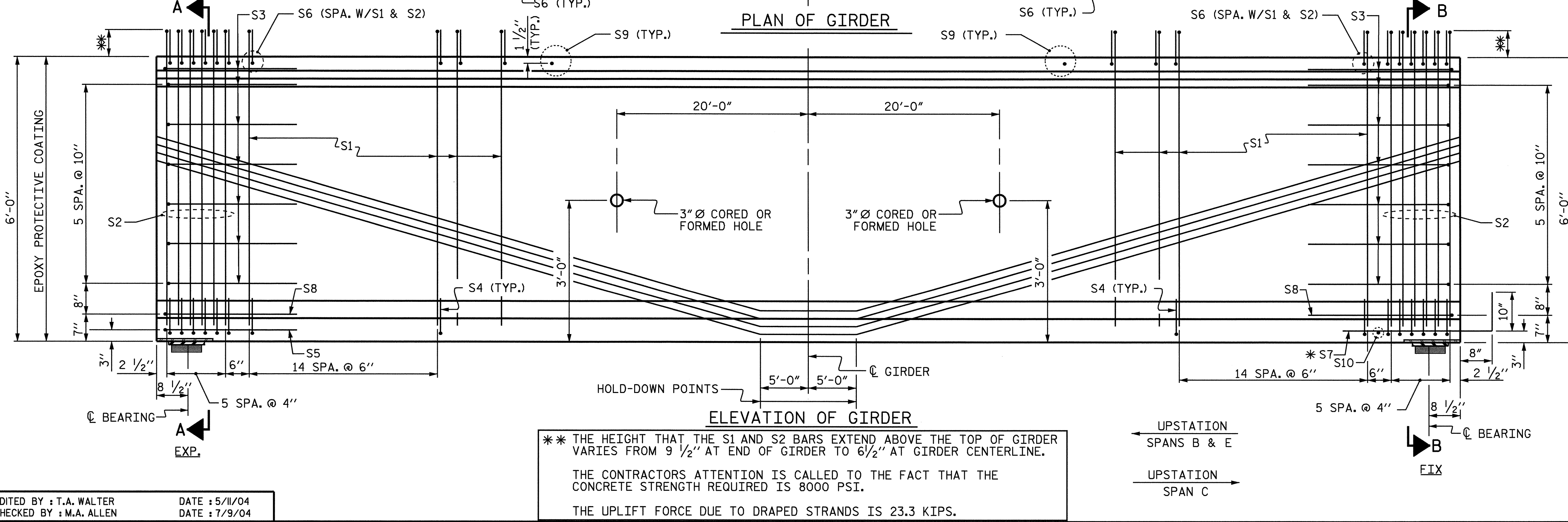
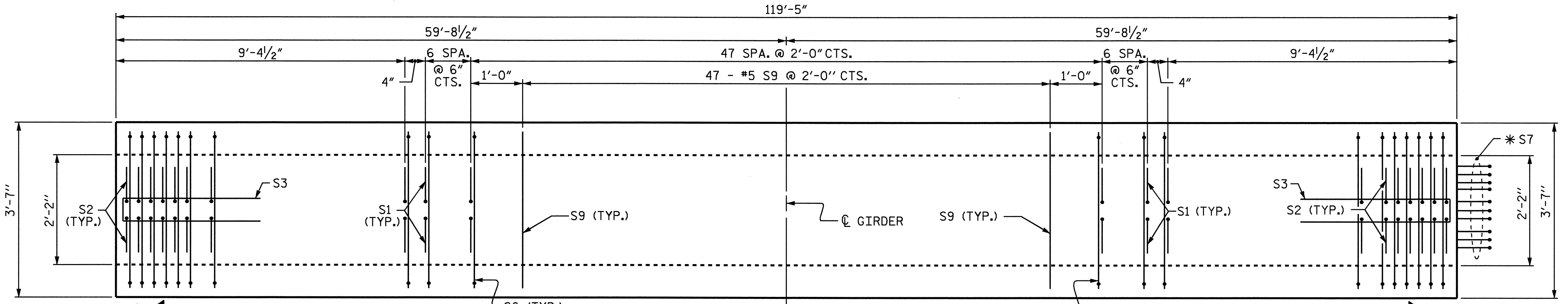


QUANTITIES FOR ONE GIRDER

	REINFORCING STEEL	8,000 PSI CONCRETE	0.6" Ø L.R. STRANDS
	LB.	C.Y.	No.
	2342	25.6	36

GIRDERS REQUIRED

NUMBER	LENGTH	TOTAL LENGTH
12	119'-5"	1433'-0"



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

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

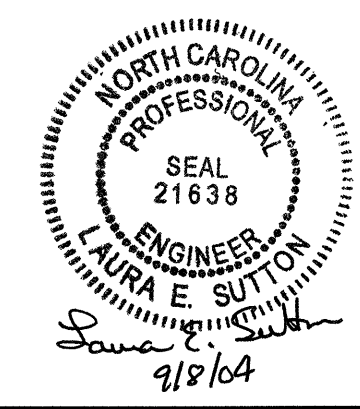
72" PRESTRESSED CONCRETE
 MODIFIED BULB TEE
 CONTINUOUS FOR LIVE LOAD

SPANS B, C, & E
 STAGE I

REVISIONS

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

SHEET NO. 24
 TOTAL SHEETS 78



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

18-AUG-2004 09:10
 W:\Struct\4025a\walter\I4025A_SD.P6.dgn
 twalter