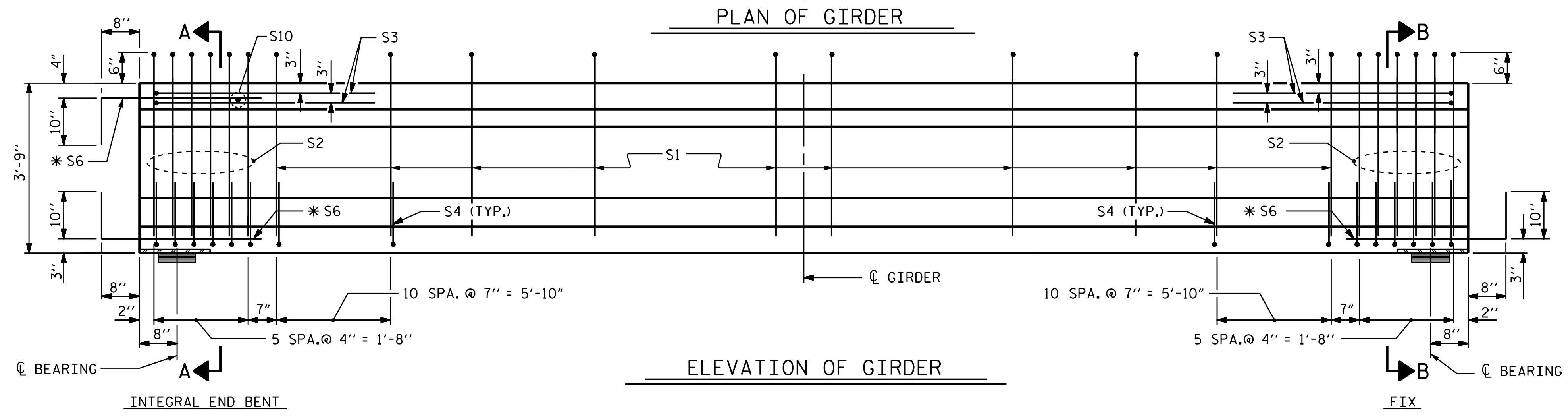
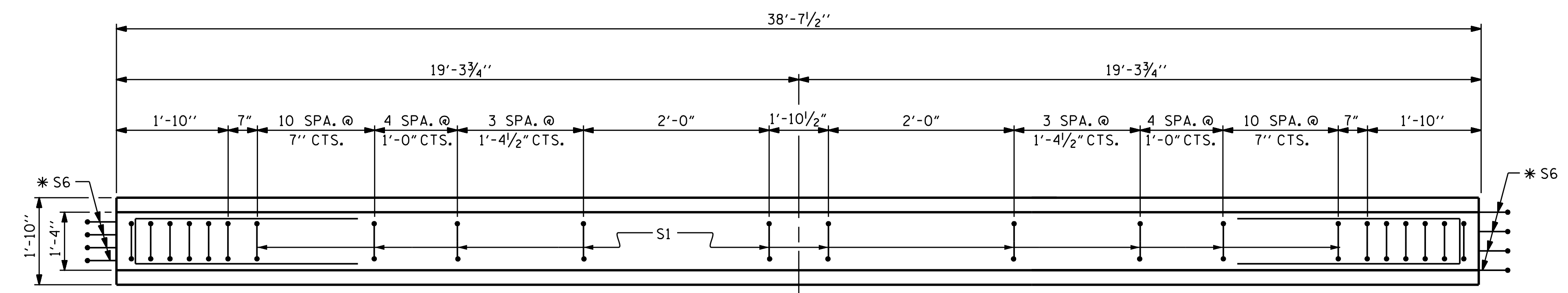


AT END OF GIRDER AT C OF GIRDER
0.6" Ø LOW RELAXATION STRAND LAYOUT



0.6" Ø L. R. GRADE 270 STRANDS

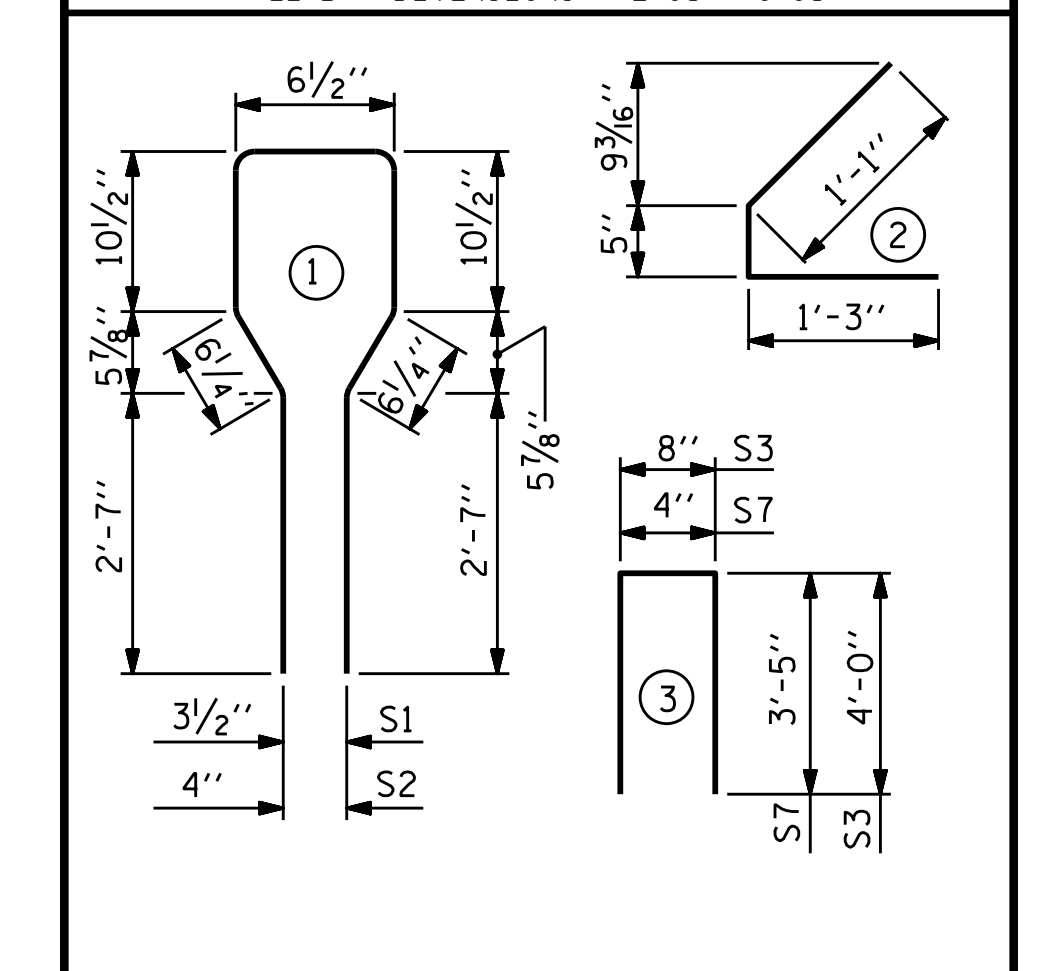
AREA (SQUARE INCHES)	ULTIMATE STRENGTH (LBS. PER STRAND)	APPLIED PRESTRESS (LBS. PER STRAND)
0.217	58,600	43,950

REINFORCING STEEL FOR ONE GIRDER

BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT
S1	38	#4	1	8'-6"	216
S2	12	#6	1	8'-6"	153
S3	4	#4	3	8'-8"	23
S4	68	#4	2	2'-9"	125
* S6	12	#5	STR	3'-8"	46
S10	1	#3	STR	1'-0"	1

* NOTE: S6 BARS SHALL BE BENT BEFORE SHIPMENT. HEAT BENDING SHALL NOT BE ALLOWED.

BAR TYPES



QUANTITIES FOR ONE GIRDER

REINFORCING STEEL (LBS.)	5000 PSI CONCRETE (C.Y.)	0.6" Ø L. R. STRANDS (No.)
564	5.6	12

GIRDERS REQUIRED

NUMBER	LENGTH	TOTAL LENGTH
4	38'-7 1/2"	154'-6"

PROJECT NO. R-2603
WILKES COUNTY
STATION: 117+35.00 -L-

SHEET 1 OF 5

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

REVISIONS						SHEET NO.	
NO.	BY:	DATE:	NO.	BY:	DATE:	S-19	
1			3			TOTAL SHEETS 47	
2			4				

ASSEMBLED BY : D. A. GLADDEN DATE : 7-10-13
CHECKED BY : H. T. BARBOUR DATE : 8-13
DRAWN BY : ELR 8/91
CHECKED BY : GRP 8/91

REV. 5/1/06R TLA/GM
REV. 10/1/11 MAA/GM
REV. 1/15 MAA/TMG
DESIGN ENGINEER OF RECORD: B.A. DUKE DATE : 7-15

