

SECTION A-A

SECTION B-B

SECTION C-C  
(S1 BARS NOT SHOWN)

PARTIAL ELEVATION  
SHOWING INTERMEDIATE DIAPHRAGM  
REINFORCING STEEL FOR GIRDERS.

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

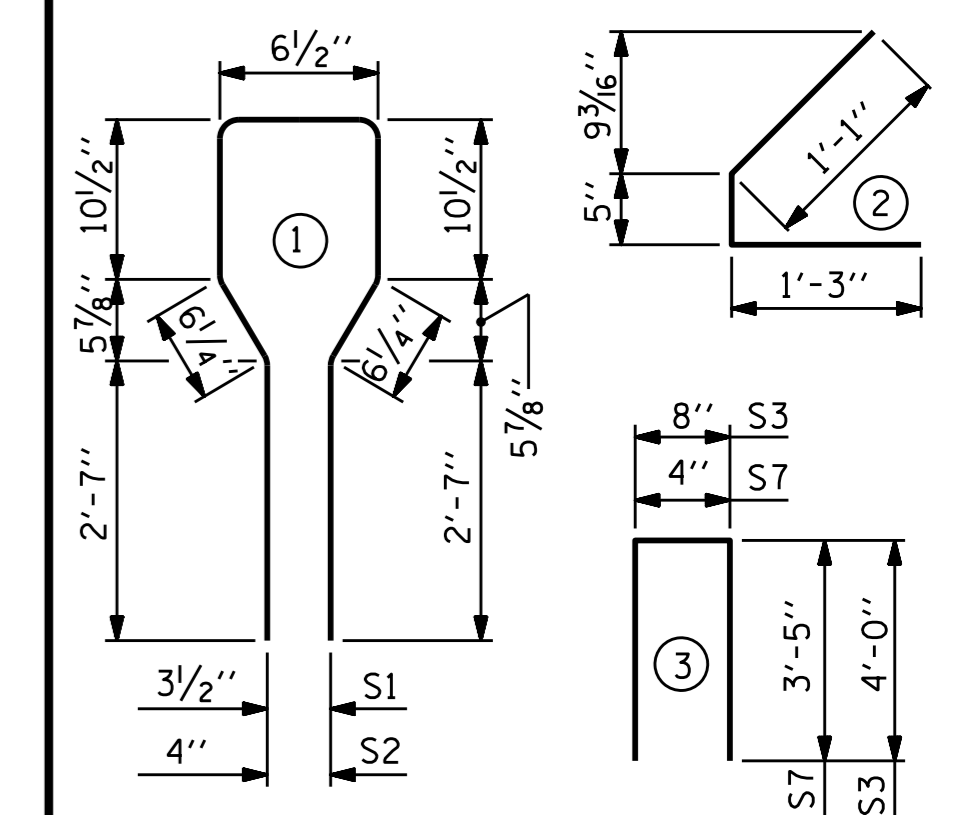
REINFORCING STEEL FOR ONE GIRDER

BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT
S1	57	#4	1	8'-6"	324
S2	12	#6	1	8'-6"	153
S3	4	#4	3	8'-8"	23
S4	64	#4	2	2'-9"	118
*S6	12	#5	STR	3'-8"	46
S7	2	#5	3	7'-2"	15
S8	5	#4	STR	7'-0"	23
S10	1	#3	STR	1'-0"	1

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

BAR TYPES

ALL BAR DIMENSIONS ARE OUT-TO-OUT

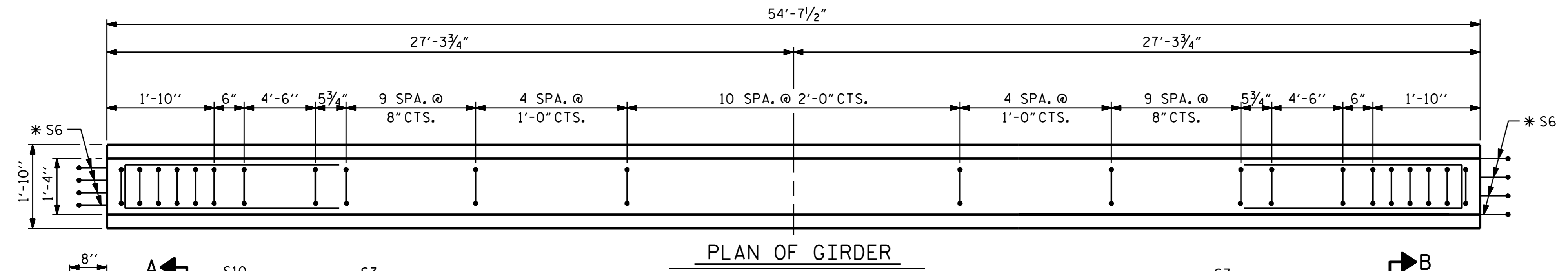


QUANTITIES FOR ONE GIRDER

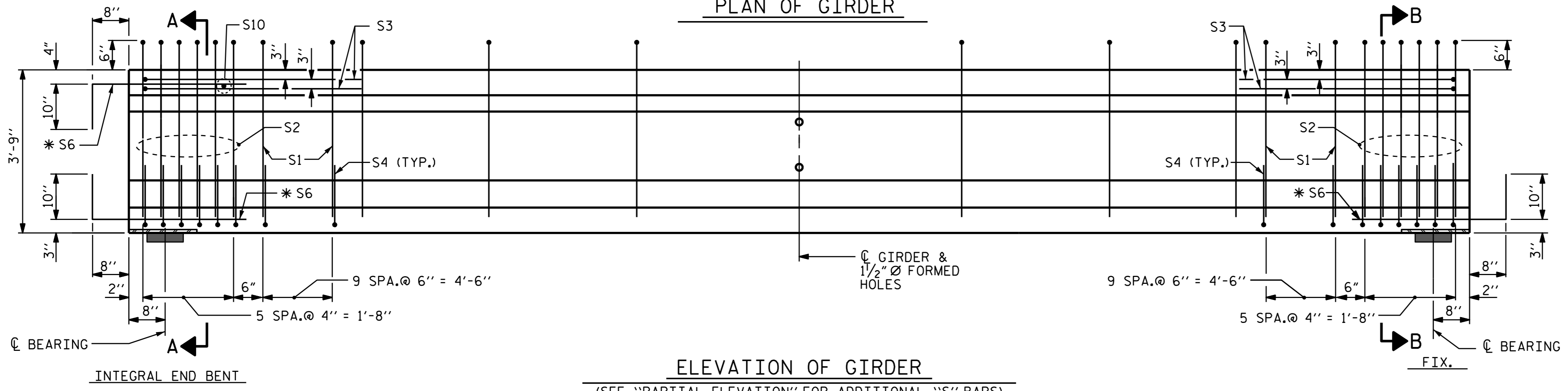
REINFORCING STEEL	5,500 PSI CONCRETE	0.6" Ø L. R. STRANDS
LB.	C.Y.	No.
703	7.9	18

GIRDERS REQUIRED

NUMBER	LENGTH	TOTAL LENGTH
6	54'-7 1/2"	327'-9"



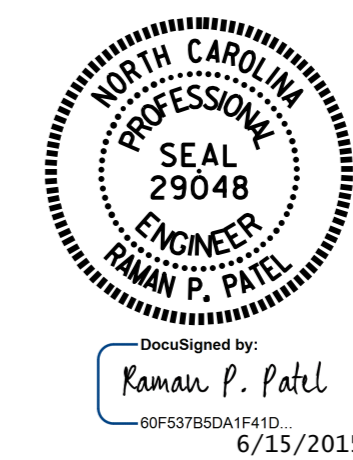
PLAN OF GIRDER



ELEVATION OF GIRDER

(SEE "PARTIAL ELEVATION" FOR ADDITIONAL "S" BARS)

ASSEMBLED BY : R. P. PATEL	DATE : 9-13-13
CHECKED BY : J. P. MCCARTHA	DATE : 9-27-13
DRAWN BY : ELR 8/91	REV. 5/1/06R TLA/GM
CHECKED BY : GRP 8/91	REV. 10/1/11 MAA/GM
	REV. 1/15 MAA/TMG
DESIGN ENGINEER OF RECORD:	
R. P. PATEL	DATE : 5-4-15



PROJECT NO. B-5105  
MECKLENBURG COUNTY  
 STATION: 20+08.00 -L-  
 SHEET 1 OF 4

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

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-13
1			3			TOTAL SHEETS 38
2			4			