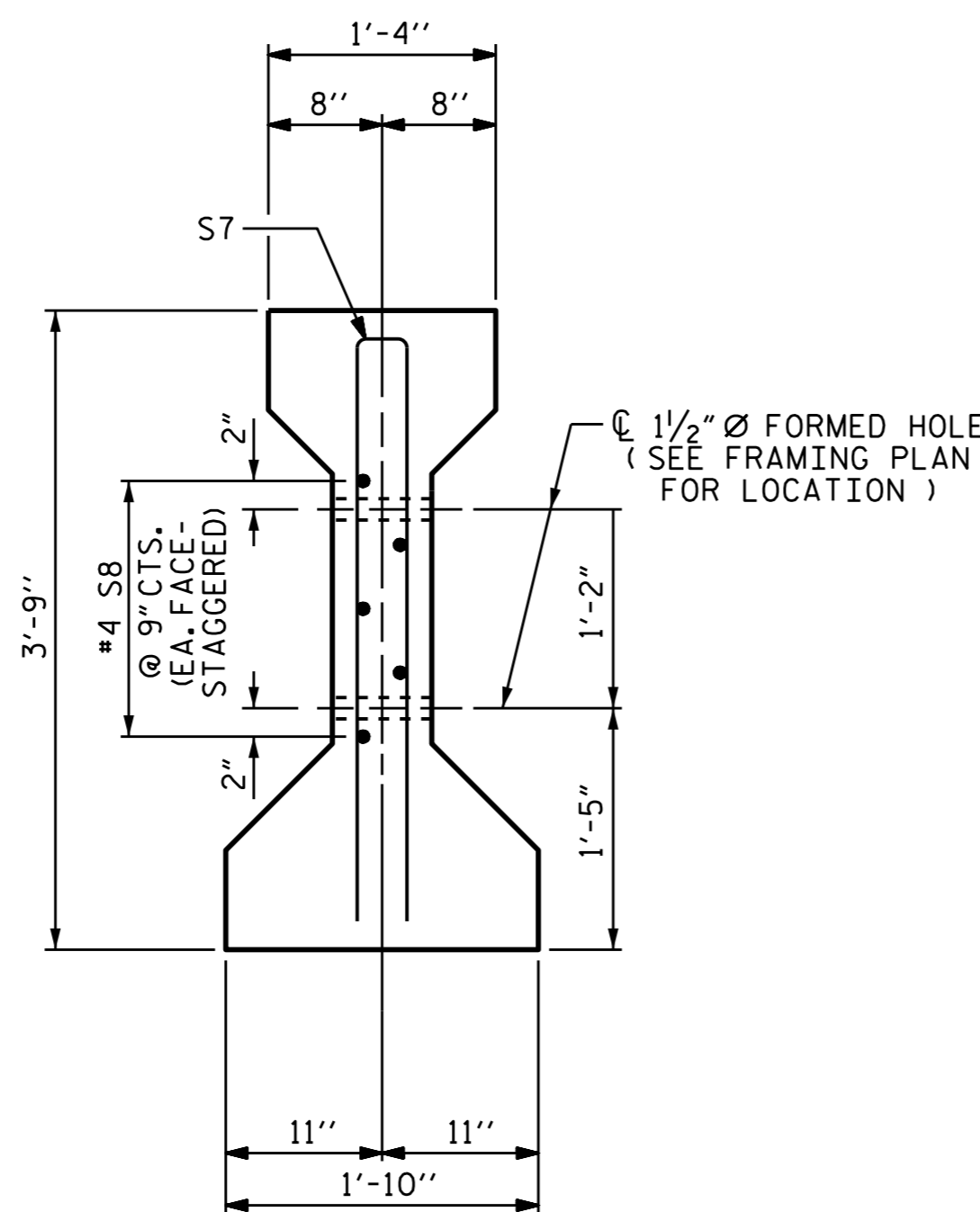
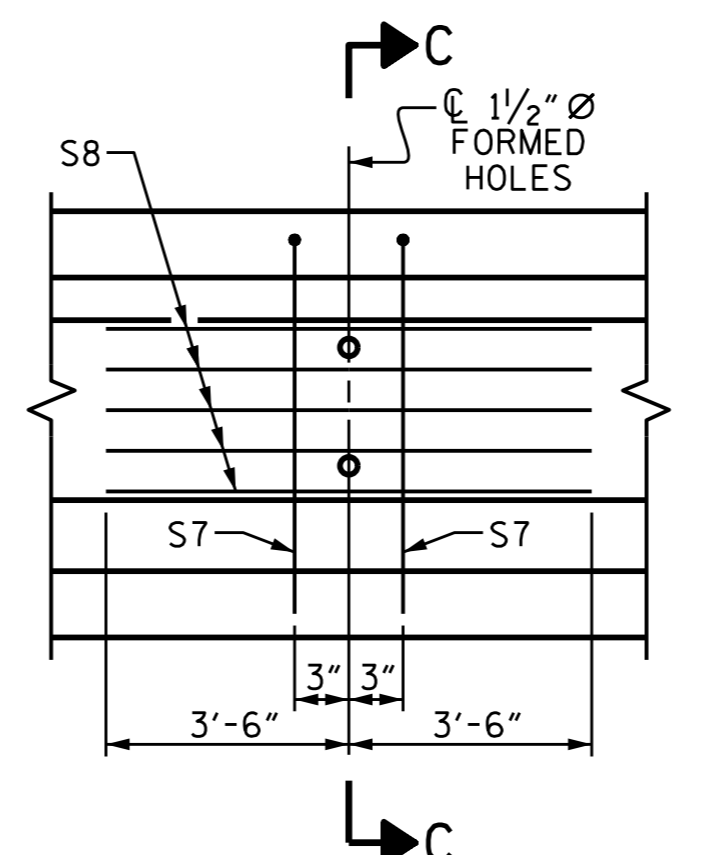


SECTION A-A

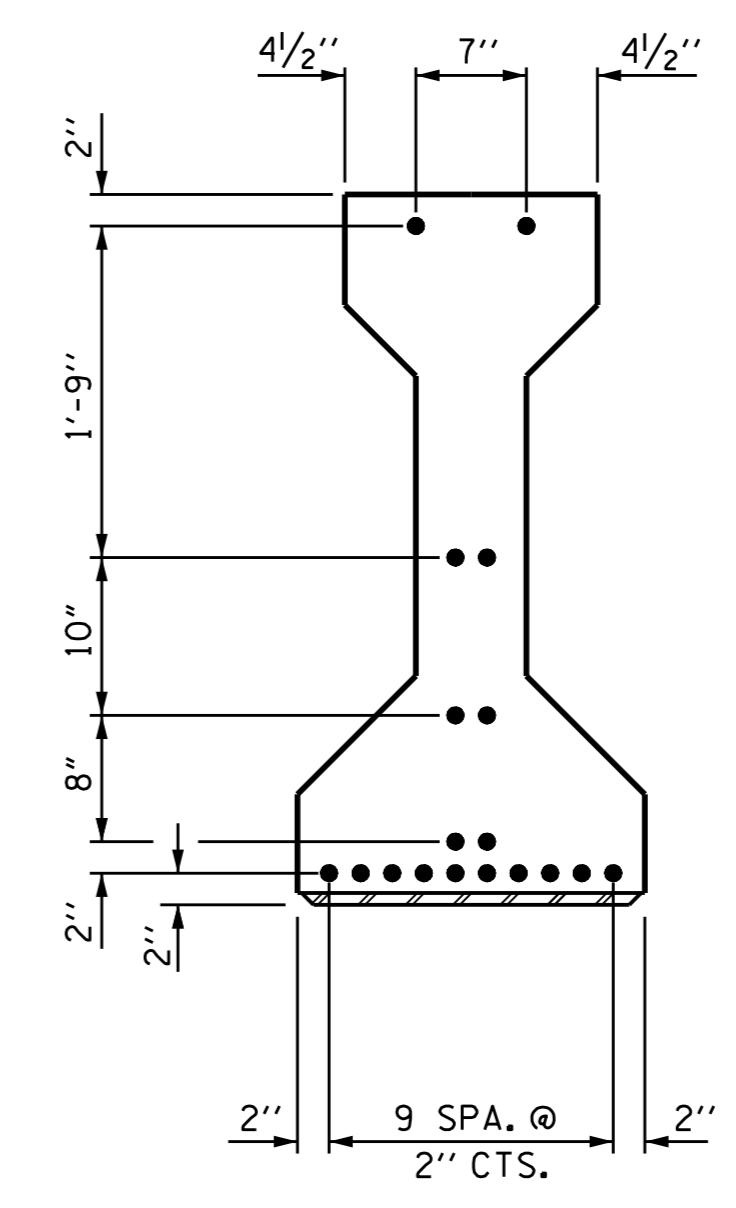
SECTION B-B



SECTION C-C  
(S1 BARS NOT SHOWN)



PARTIAL ELEVATION  
SHOWING INTERMEDIATE DIAPHRAGM  
REINFORCING STEEL FOR GIRDERS.



0.6" Ø LOW RELAXATION STRAND LAYOUT

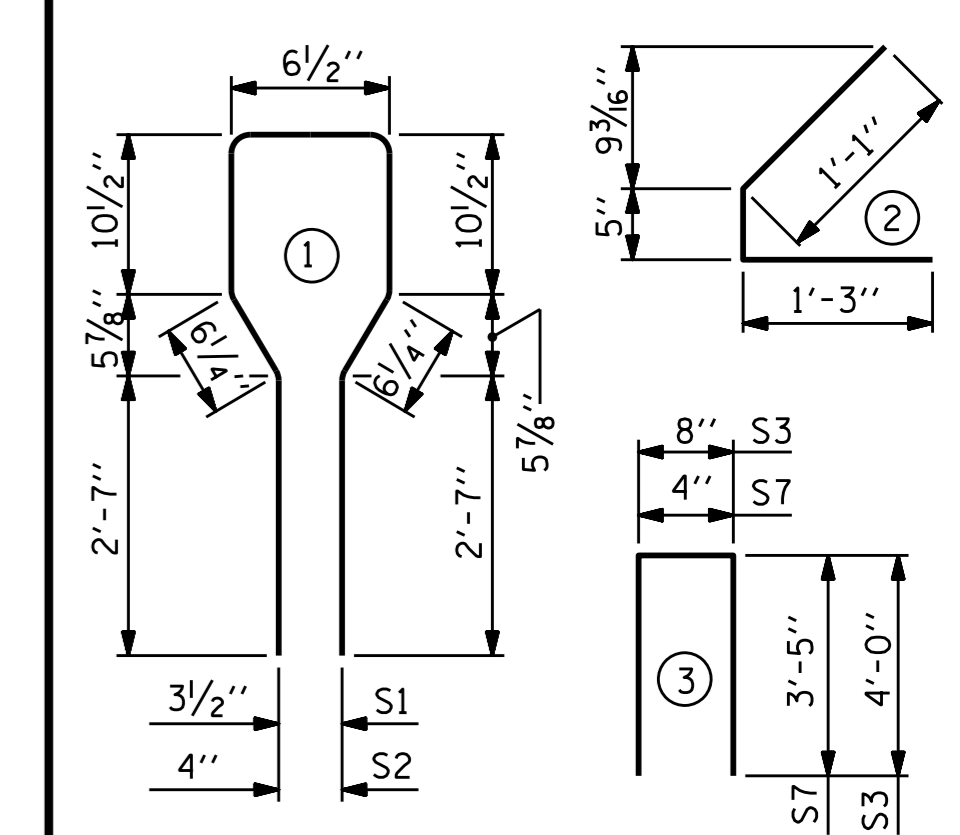
0.6" Ø L. R. GRADE 270 STRANDS		
AREA (SQUARE INCHES)	ULTIMATE STRENGTH (LBS. PER STRAND)	APPLIED PRESTRESS (LBS. PER STRAND)
0.217	58,600	43,950

REINFORCING STEEL FOR ONE GIRDER					
BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT
S1	58	#4	1	8'-6"	329
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
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

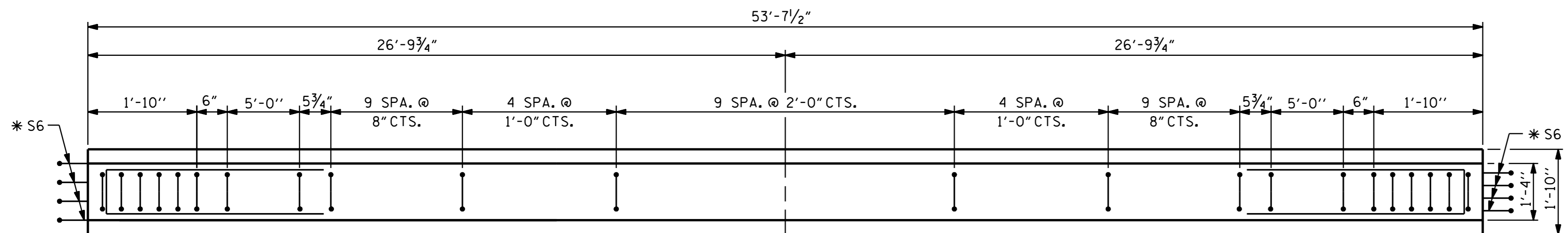


QUANTITIES FOR ONE GIRDER

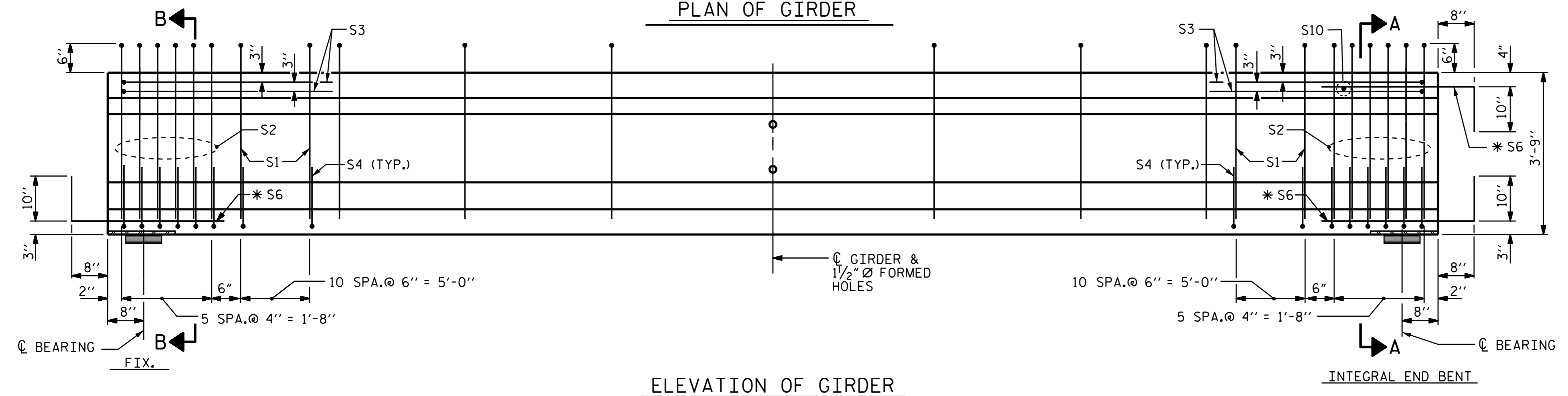
REINFORCING STEEL	5,500 PSI CONCRETE	0.6" Ø L. R. STRANDS
LB.	C.Y.	No.
715	7.7	18

GIRDERS REQUIRED

NUMBER	LENGTH	TOTAL LENGTH
6	53'-7 1/2"	321'-9"

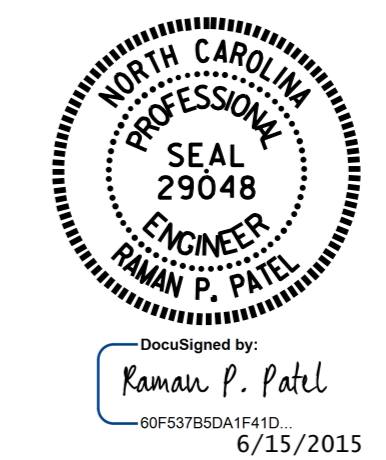


PLAN OF GIRDER



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	

11-JUN-2015 07:59  
R:\Structures\Plans\B5105.sd.G1.01.dgn  
dadavenport

PROJECT NO. B-5105  
MECKLENBURG COUNTY  
STATION: 20+08.00 -L-  
SHEET 3 OF 4

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH					
STANDARD AASHTO TYPE III PRESTRESSED CONCRETE GIRDER CONTINUOUS FOR LIVE LOAD (SPAN C)					
REVISIONS					SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		
					TOTAL SHEETS 38

STD. NO. PCG5