

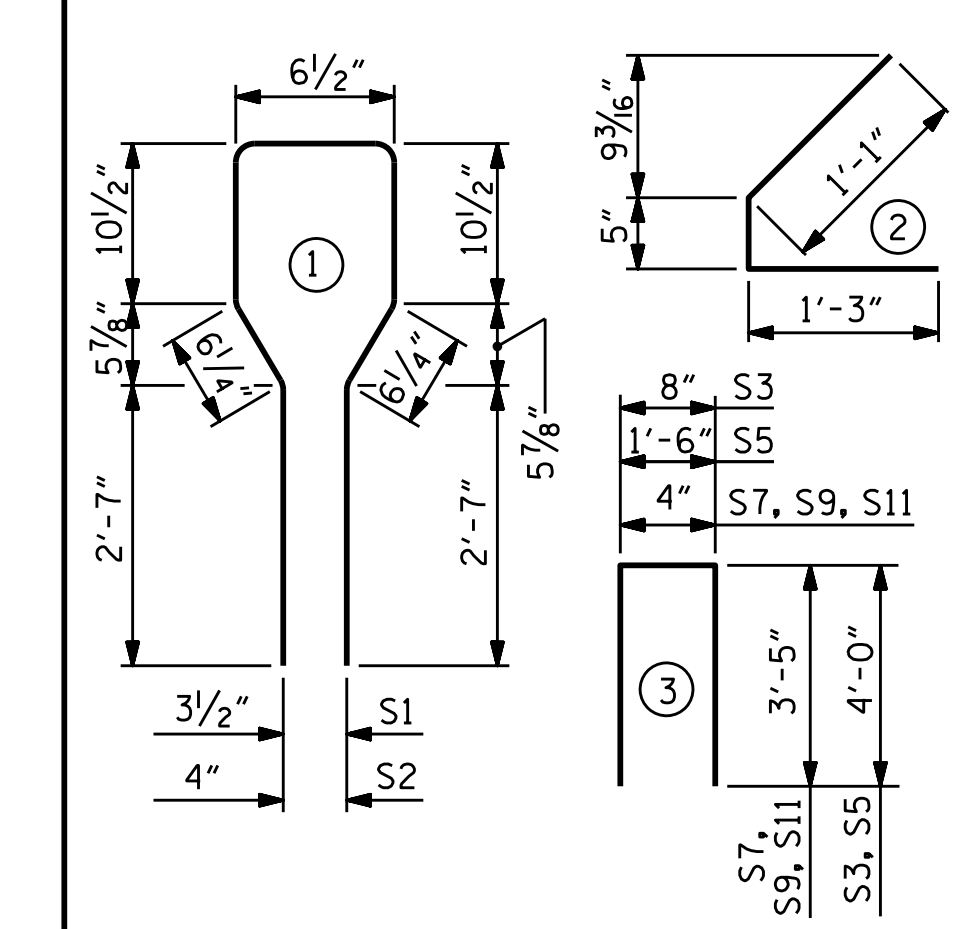
0.6" Ø LOW RELAXATION STRAND LAYOUT

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	78	#4	1	8'-6"	443
S2	6	#6	1	8'-6"	77
S3	4	#4	3	8'-8"	23
S4	56	#4	2	2'-9"	103
S5	1	#4	3	9'-6"	6
*S6	8	#5	STR	3'-8"	31
S7	2	#5	3	7'-2"	15
S8	5	#4	STR	7'-0"	23
S9	6	#6	3	7'-2"	65
S10	1	#3	STR	1'-0"	1
S11	2	#4	3	7'-2"	10

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

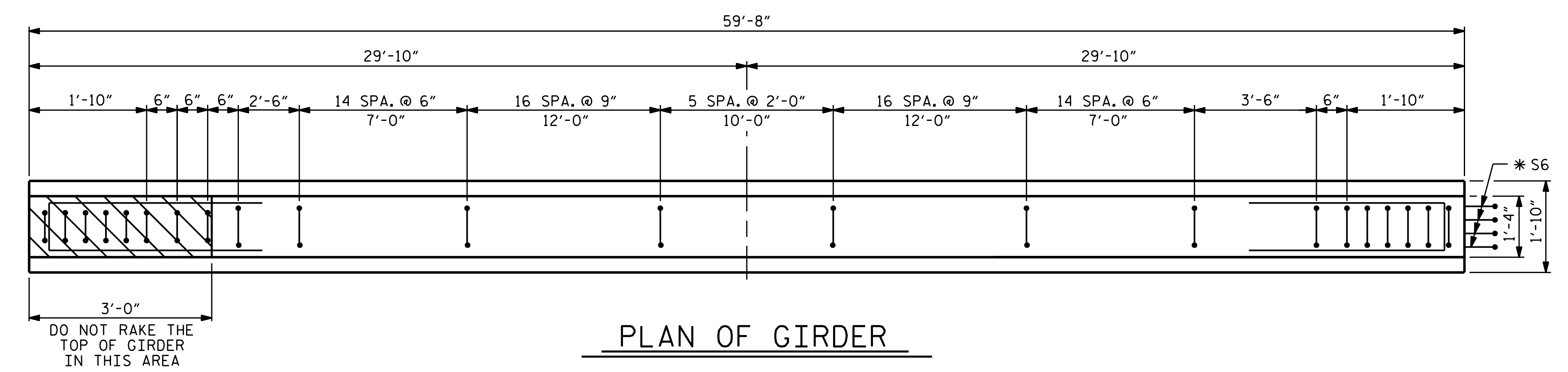
BAR TYPES



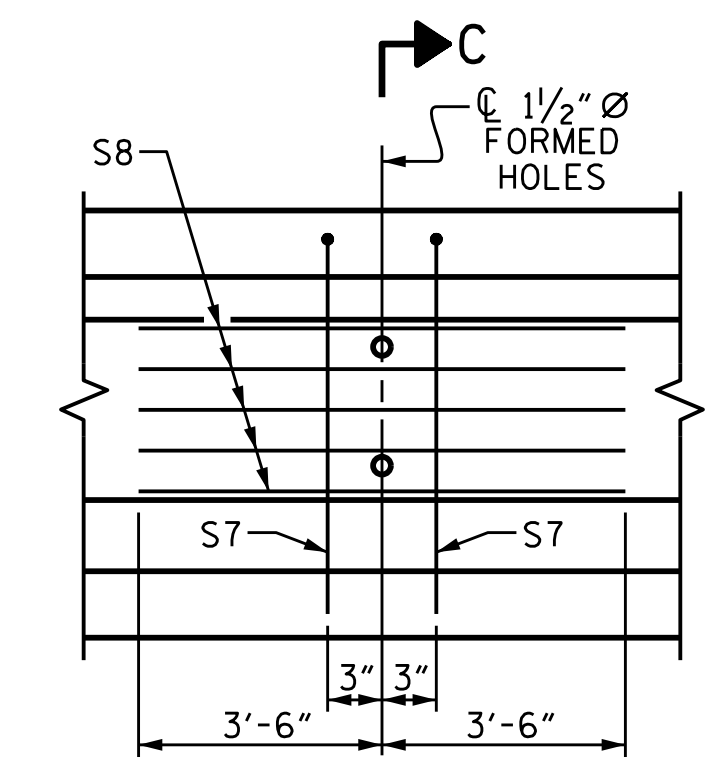
ALL BAR DIMENSIONS ARE OUT-TO-OUT.

QUANTITIES FOR ONE GIRDER	REINFORCING STEEL	5,500 PSI CONCRETE	0.6" Ø L. R. STRANDS
	LBS.	C.Y.	No.
45" PCG GIRDER	797	8.6	18

GIRDERS REQUIRED		
NUMBER	LENGTH	TOTAL LENGTH
5	59'-8"	298'-4"

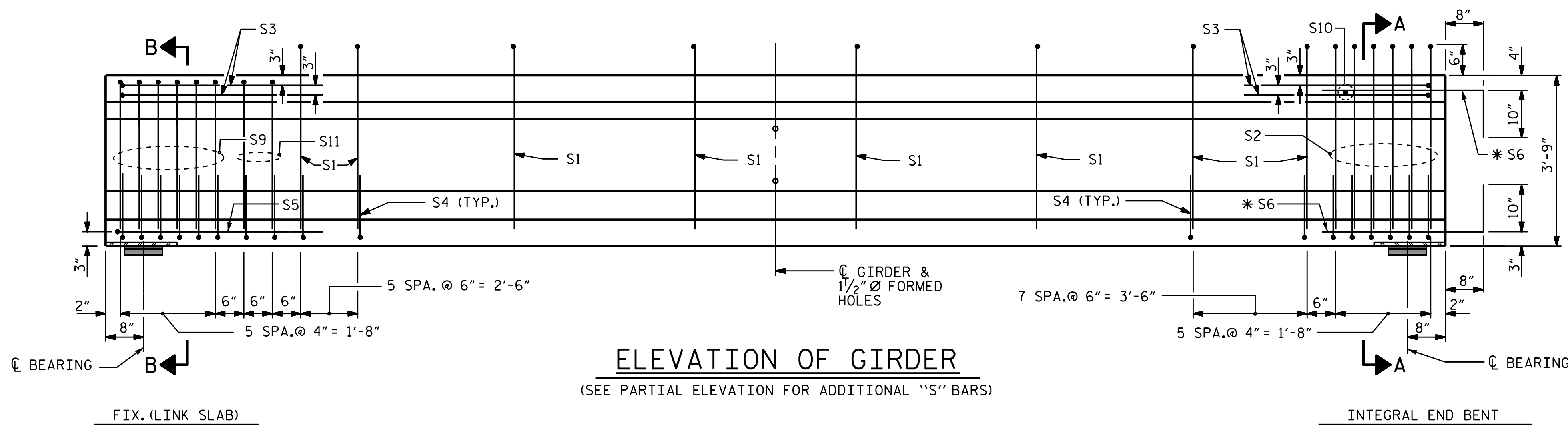


PLAN OF GIRDER



PARTIAL ELEVATION

SHOWING INTERMEDIATE DIAPHRAGM REINFORCING STEEL FOR ALL GIRDERS

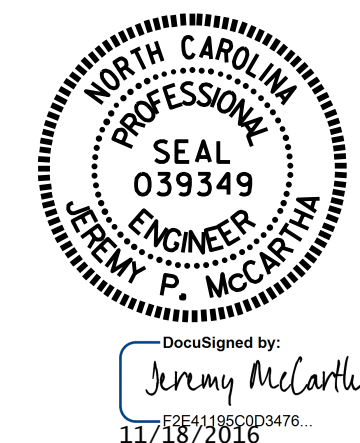


ELEVATION OF GIRDER

(SEE PARTIAL ELEVATION FOR ADDITIONAL "S" BARS)

PROJECT NO. B-5548
CABARRUS COUNTY
 STATION: 29+55.00 -L-

SHEET 3 OF 3



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

ASSEMBLED BY : N.D'AIUTO	DATE : 12/15/15	DESIGN ENGINEER OF RECORD: N.D'AIUTO	REV. 5/1/06R	TLA/GM
CHECKED BY : J. P. MCCARTHA	DATE : 6/10/16		REV. 10/1/11	MAA/GM
DRAWN BY : ELR 8/91	REV. 8/91	DATE : 3/1/16	REV. 1/15	MAA/TMG
CHECKED BY : GRP 8/91				

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS						SHEET NO. S-14
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			TOTAL SHEETS 30
2			4			