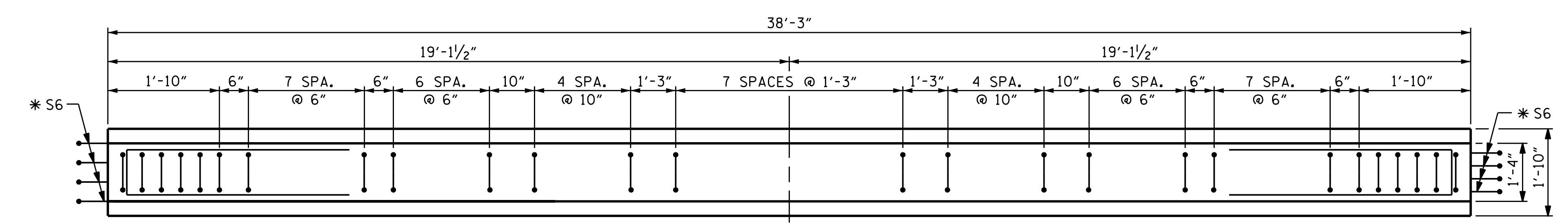


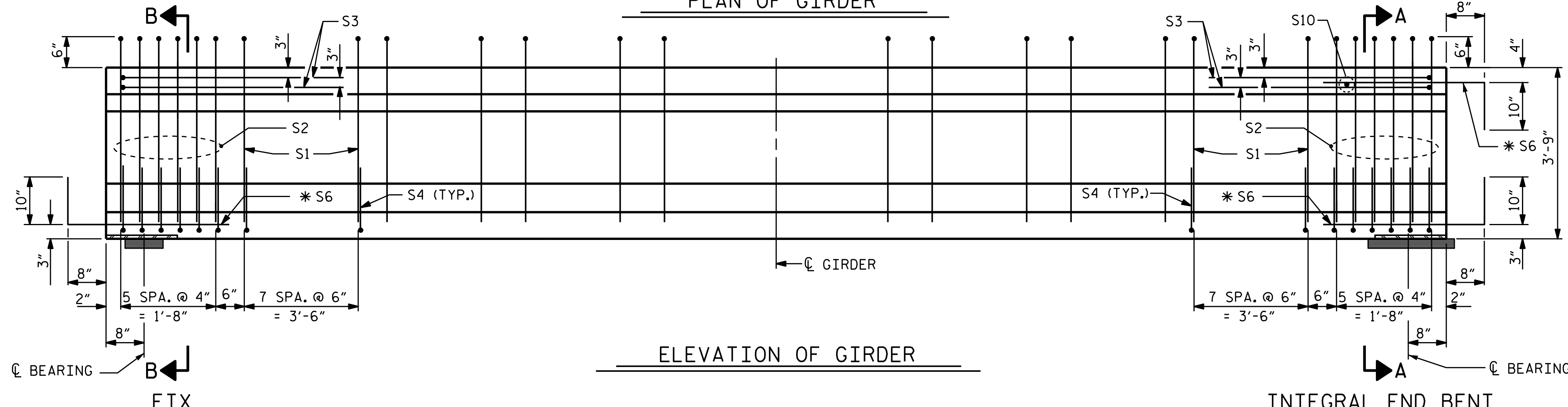
AT END OF GIRDER                      AT  $\bar{C}$  OF GIRDER  
**0.6"  $\bar{\phi}$  LOW RELAXATION STRAND LAYOUT**

**DEBONDING LEGEND**

- FULLY BONDED STRANDS
- ⊙ OPTIONAL STRANDS (SEE NOTES)



**PLAN OF GIRDER**



**ELEVATION OF GIRDER**

**INTEGRAL END BENT**

**0.6"  $\bar{\phi}$  L. R. GRADE 270 STRANDS**

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

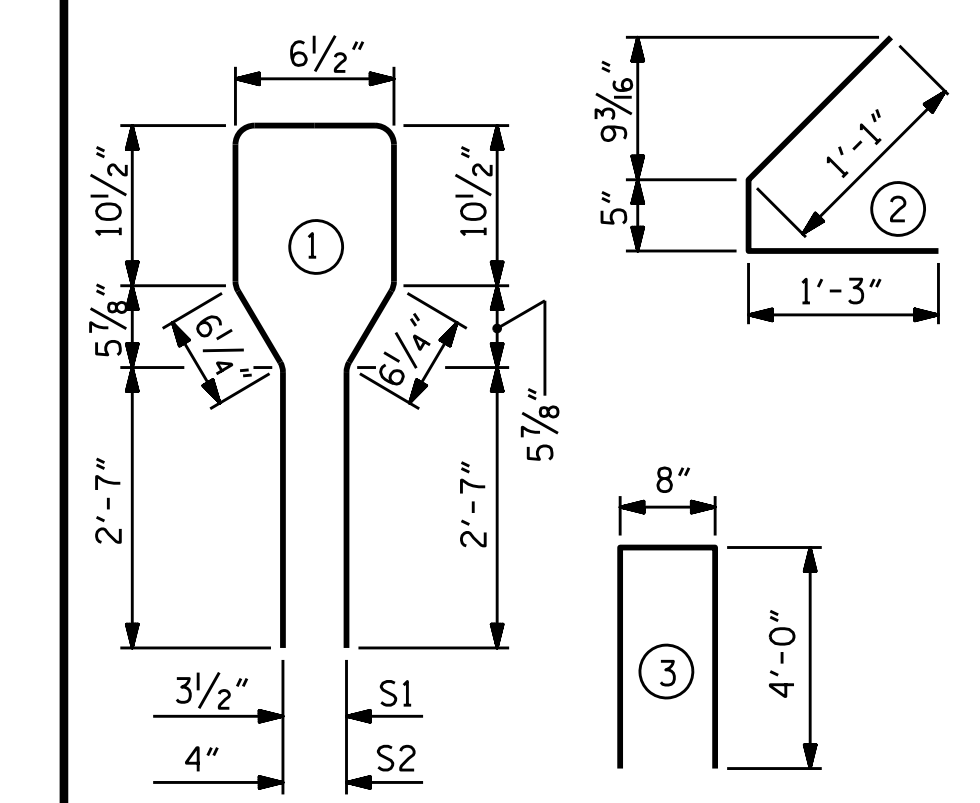
**REINFORCING STEEL FOR ONE GIRDER**

BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT
S1	48	#4	1	8'-6"	273
S2	12	#6	1	8'-6"	153
S3	4	#4	3	8'-8"	23
S4	56	#4	2	2'-9"	103
*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**

ALL BAR DIMENSIONS ARE OUT-TO-OUT



**QUANTITIES FOR ONE GIRDER**

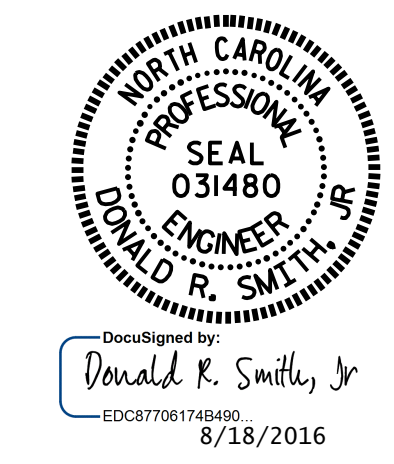
REINFORCING STEEL	5,000 PSI CONCRETE	0.6" $\bar{\phi}$ L. R. STRANDS
LBS.	C.Y.	No.
599	5.5	10

**GIRDERS REQUIRED**

	NUMBER	LENGTH	TOTAL LENGTH
SPAN C	4	38'-3"	153'-0"

PROJECT NO. U-3440  
CABARRUS COUNTY  
 STATION: 68+25.60 -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  
 (RIGHT LANE)

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S2-14
1			3			TOTAL SHEETS 37
2			4			

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

ASSEMBLED BY : K. D. LAYNE	DATE : 1/20/16
CHECKED BY : J. D. HAWK	DATE : 12/18/15
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: T. R. PETERSON DATE : 6/20/16	

17-AUG-2016 08:52  
 R:\Structures\Plans\17-U-3340.SD.PCG.02.dgn  
 jpdams