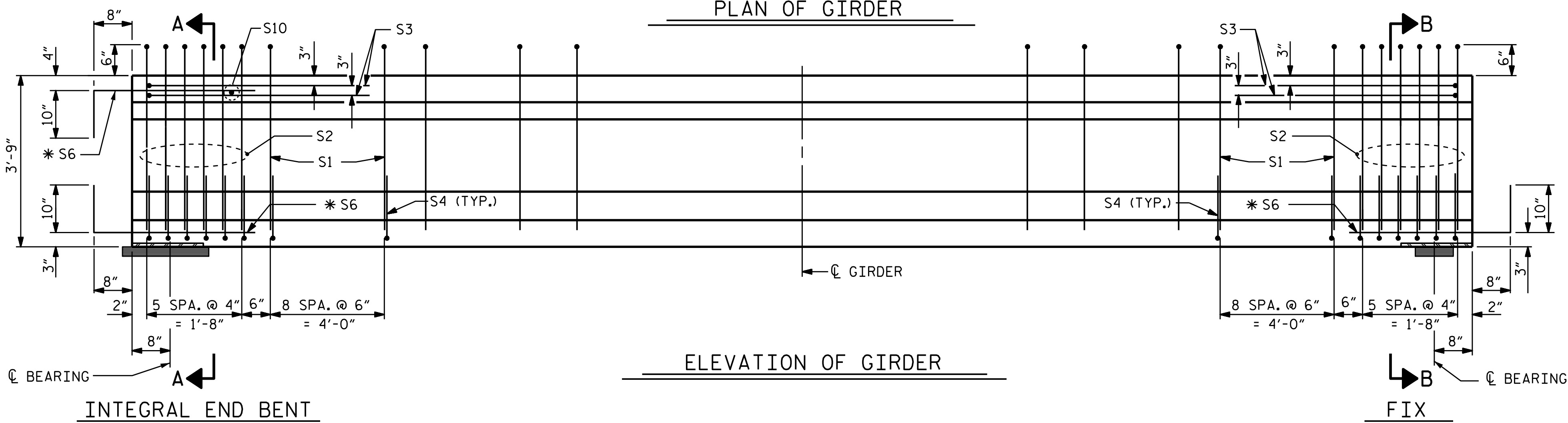
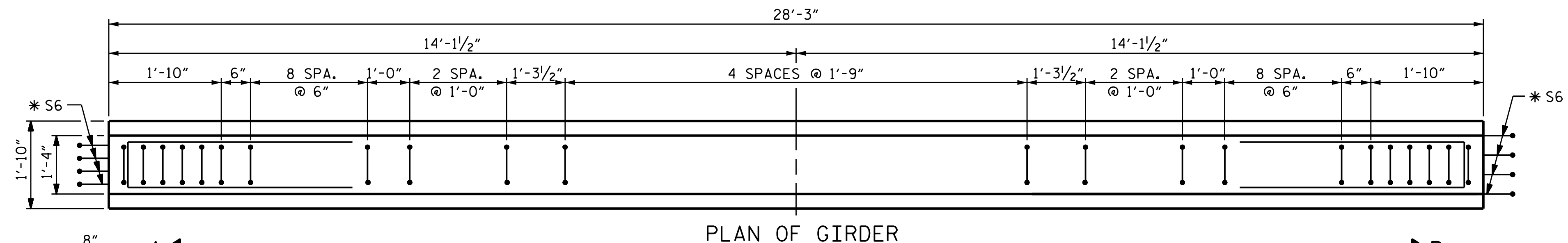


AT END OF GIRDER
AT C OF GIRDER
0.6" Ø LOW RELAXATION STRAND LAYOUT

DEBONDING LEGEND

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



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

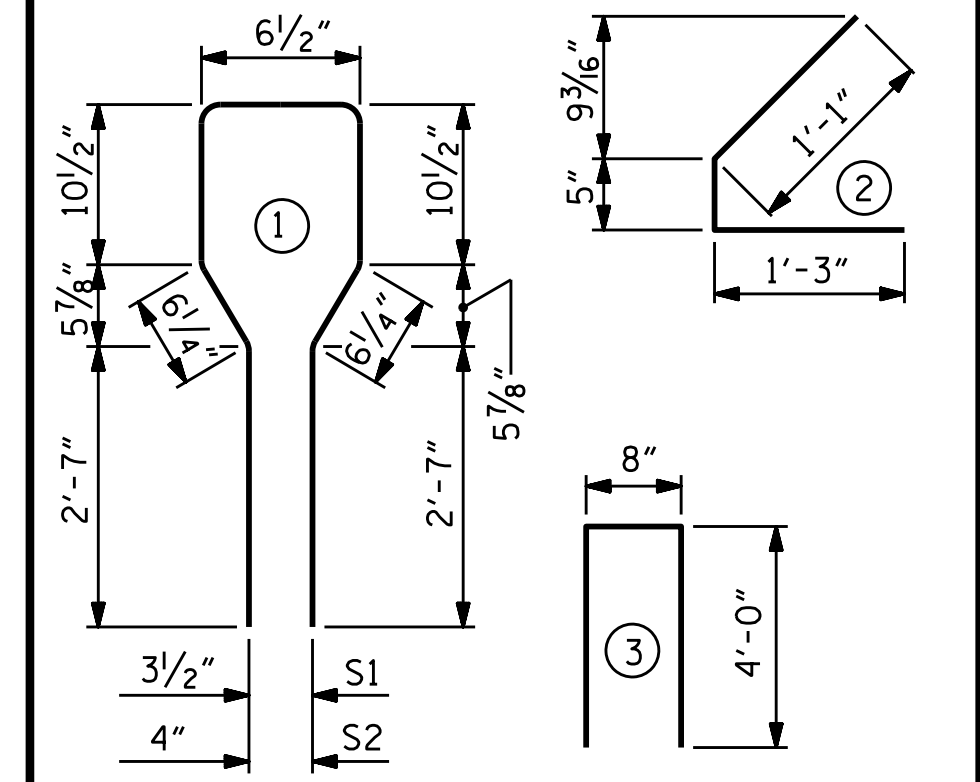
REINFORCING STEEL FOR ONE GIRDER

BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT
S1	29	#4	1	8'-6"	165
S2	12	#6	1	8'-6"	153
S3	4	#4	3	8'-8"	23
S4	60	#4	2	2'-9"	110
*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

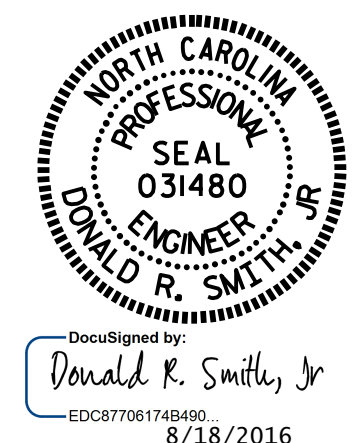
REINFORCING STEEL LBS.	5,000 PSI CONCRETE C.Y.	0.6" Ø L. R. STRANDS No.
498	4.1	10

GIRDERS REQUIRED

SPAN	NUMBER	LENGTH	TOTAL LENGTH
SPAN A	4	28'-3"	113'-0"

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

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S2-12
1			3			TOTAL SHEETS 37
2			4			

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

ASSEMBLED BY : K. D. LAYNE	DATE : 1/20/16	DESIGN ENGINEER OF RECORD: T. R. PETERSON DATE : 6/20/16
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	