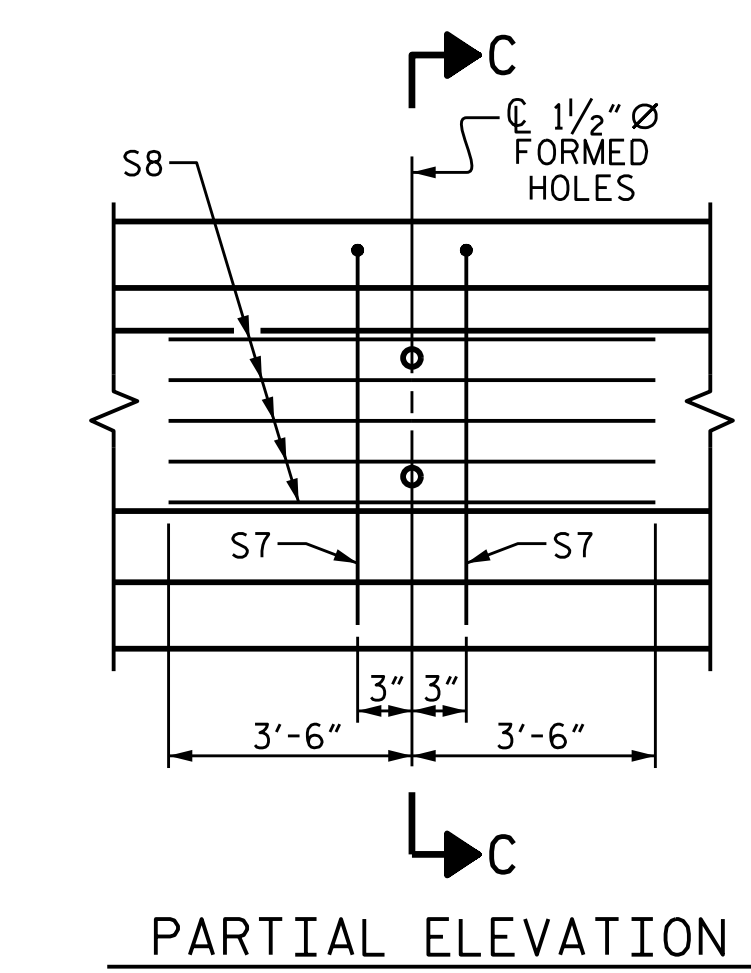
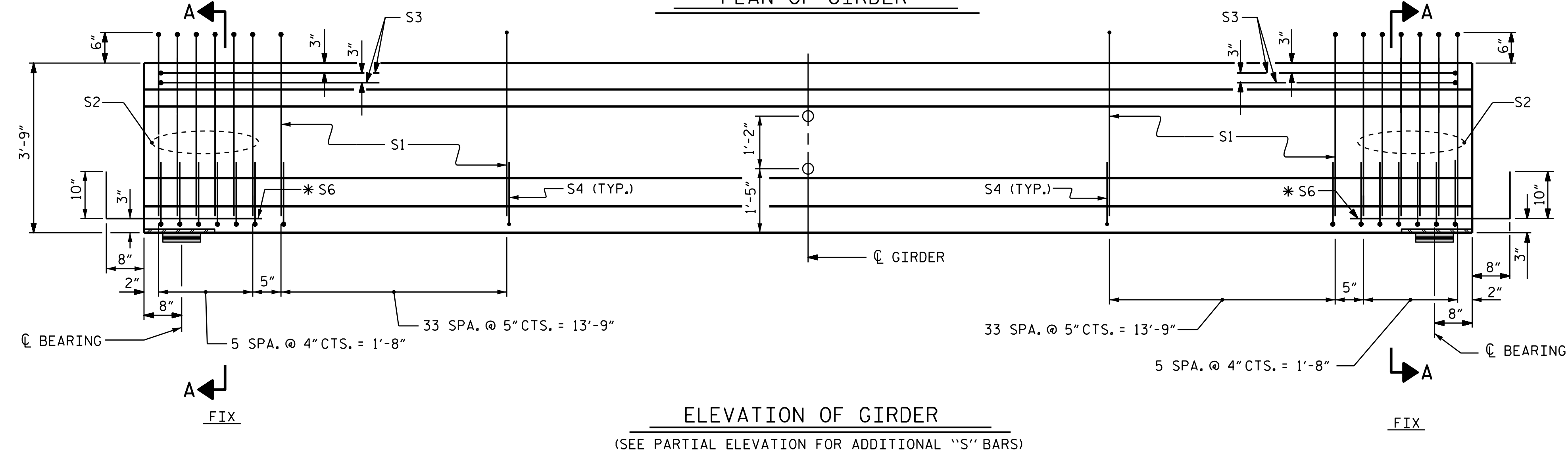
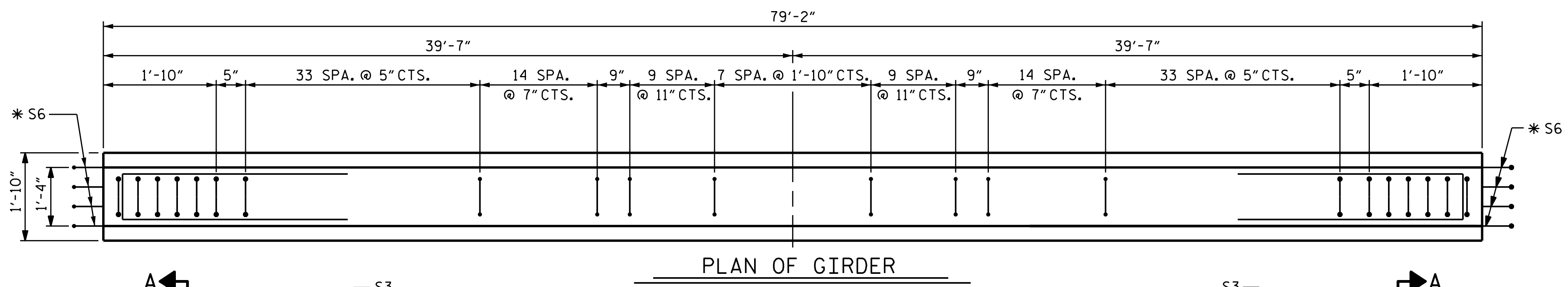


DEBONDING LEGEND
 • FULLY BONDED STRANDS
 ⊙ STRANDS DEBONDED FOR 12'-0" FROM END OF GIRDER



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

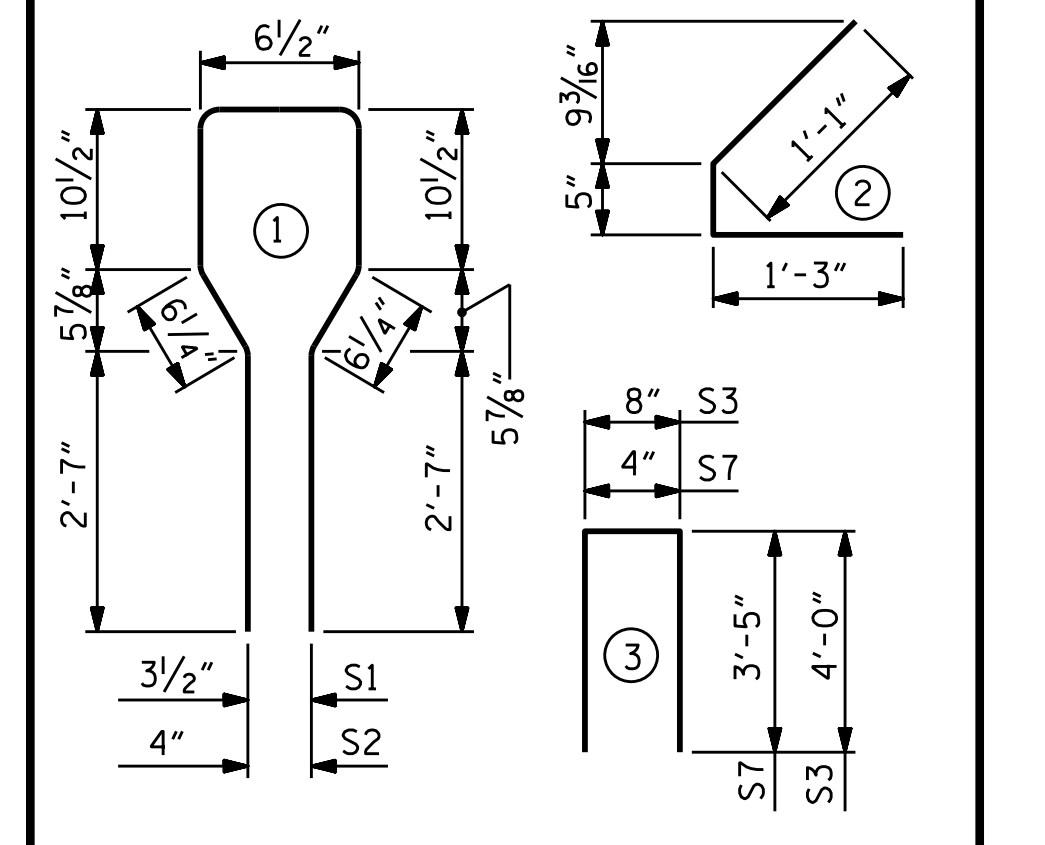
REINFORCING STEEL FOR ONE GIRDER

BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT
S1	122	#4	1	8'-6"	693
S2	12	#6	1	8'-6"	153
S3	4	#4	3	8'-8"	23
S4	160	#4	2	2'-9"	294
* S6	8	#5	STR	3'-8"	31
S7	2	#5	3	7'-2"	15
S8	5	#4	STR	7'-0"	23

TOTAL REINFORCING STEEL 1,232 LBS.

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

BAR TYPES
 ALL BAR DIMENSIONS ARE OUT-TO-OUT.



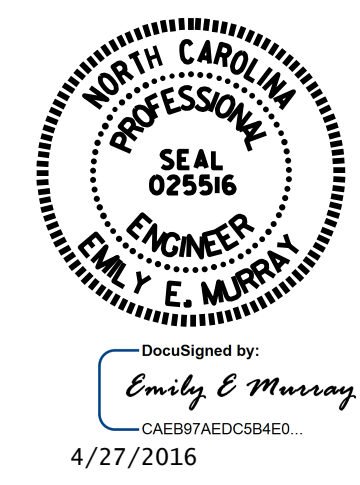
QUANTITIES FOR ONE GIRDER

	REINFORCING STEEL (LB.)	8,000 PSI CONCRETE (C.Y.)	0.6" Ø L. R. STRANDS (No.)
SPAN B	1,232	11.4	30

GIRDERS REQUIRED

NUMBER	LENGTH	TOTAL LENGTH
5	79'-2"	395'-10"

PROJECT NO. B-4761
 HALIFAX COUNTY
 STATION: 20+11.00 -L-



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

ASSEMBLED BY : M.D.PISO DATE : 6-30-2015
 CHECKED BY : N.RUFFIN DATE : 8-07-2015
 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:
 G. KOUCKEKI DATE : 3/14/16

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS

NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		

SHEET NO. S-12
 TOTAL SHEETS 31