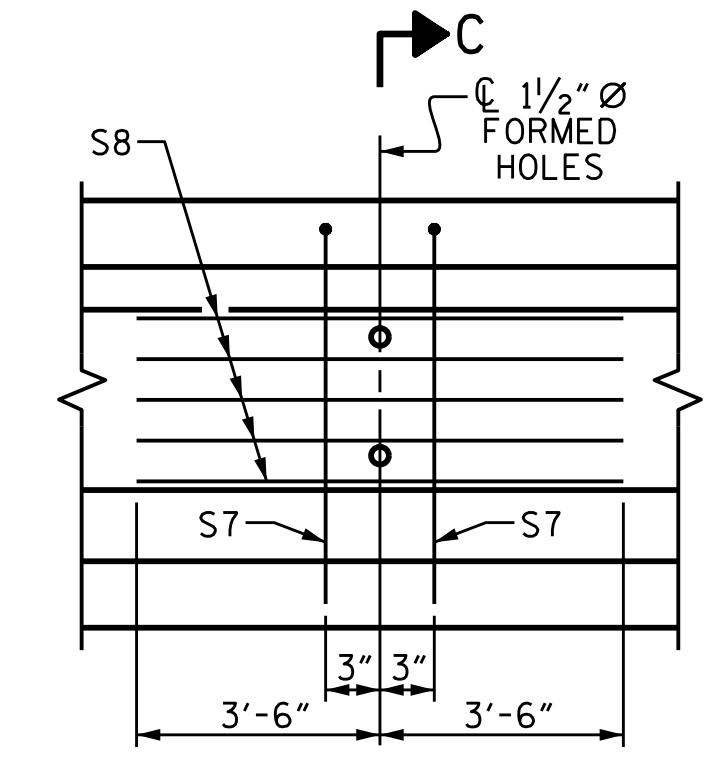
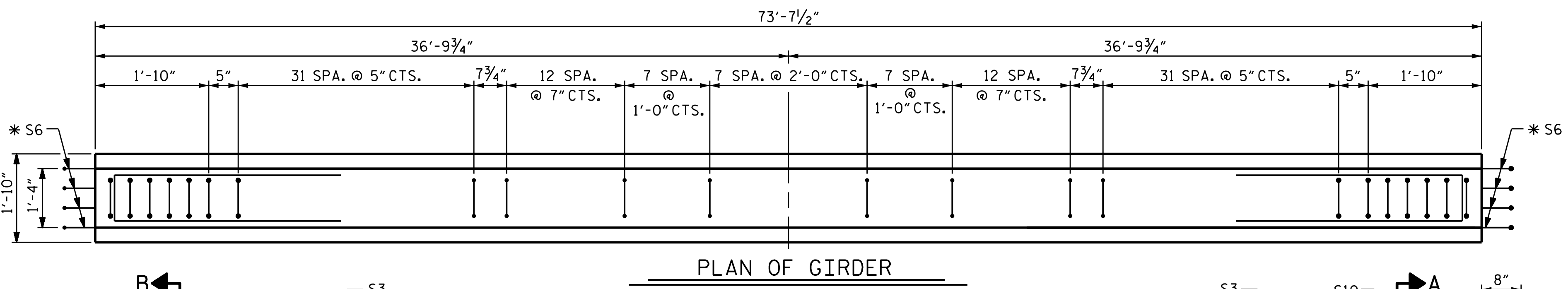
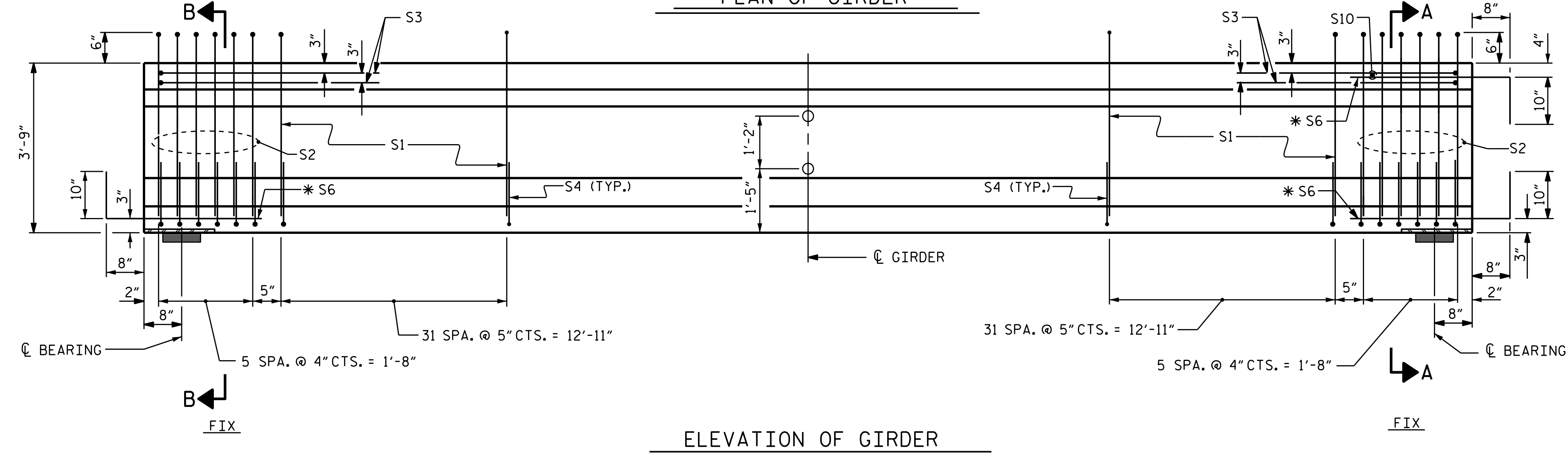


0.6" Ø LOW RELAXATION STRAND LAYOUT
(30 STRANDS)

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



SHOWING INTERMEDIATE DIAPHRAGM REINFORCING STEEL FOR GIRDER Nos. 1 - 5



(SEE PARTIAL ELEVATION FOR ADDITIONAL "S" BARS)

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

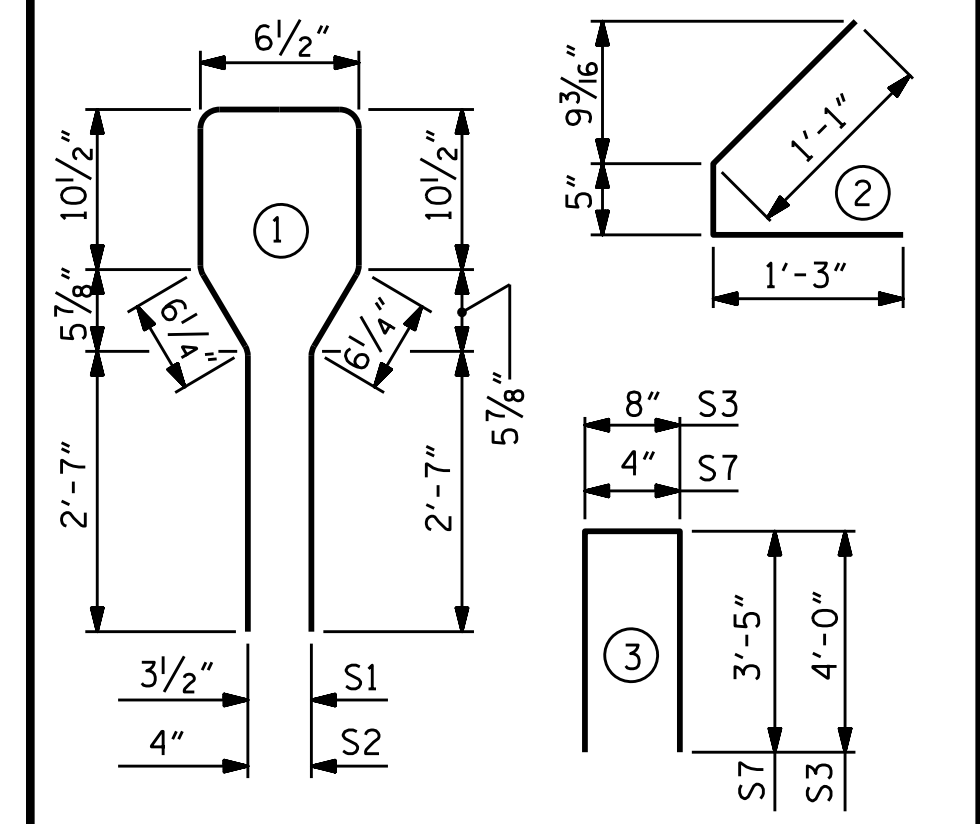
BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT
S1	110	#4	1	8'-6"	625
S2	12	#6	1	8'-6"	153
S3	4	#4	3	8'-8"	23
S4	152	#4	2	2'-9"	279
*S6	12	#5	STR	3'-8"	46
S7	2	#5	3	7'-2"	15
S8	5	#4	STR	7'-0"	23
S10	1	#3	STR	1'-0"	1

TOTAL REINFORCING STEEL 1,165 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

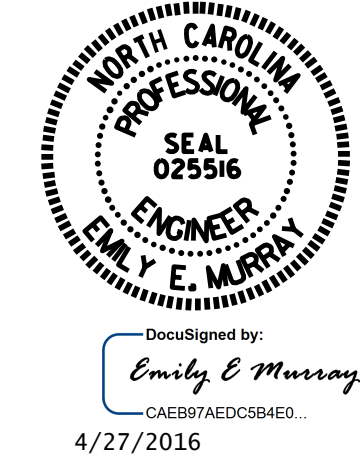
	REINFORCING STEEL LB.	8,000 PSI CONCRETE C.Y.	0.6" Ø L. R. STRANDS No.
SPAN C	1,165	10.6	30

GIRDERS REQUIRED

NUMBER	LENGTH	TOTAL LENGTH
5	73'-7 1/2"	368'-1 1/2"

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 C



ASSEMBLED BY : M.D.PISO DATE :6-30-2015
 CHECKED BY : N.RUFFIN DATE :8-07-2015
 DRAWN BY : ELR 8/91
 CHECKED BY : GRP 8/91

DESIGN ENGINEER OF RECORD:
 G. KOUCHEKI DATE : 3/14/16

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS						SHEET NO.	
NO.	BY:	DATE:	NO.	BY:	DATE:	S-13	
1			3			TOTAL SHEETS 31	
2			4				