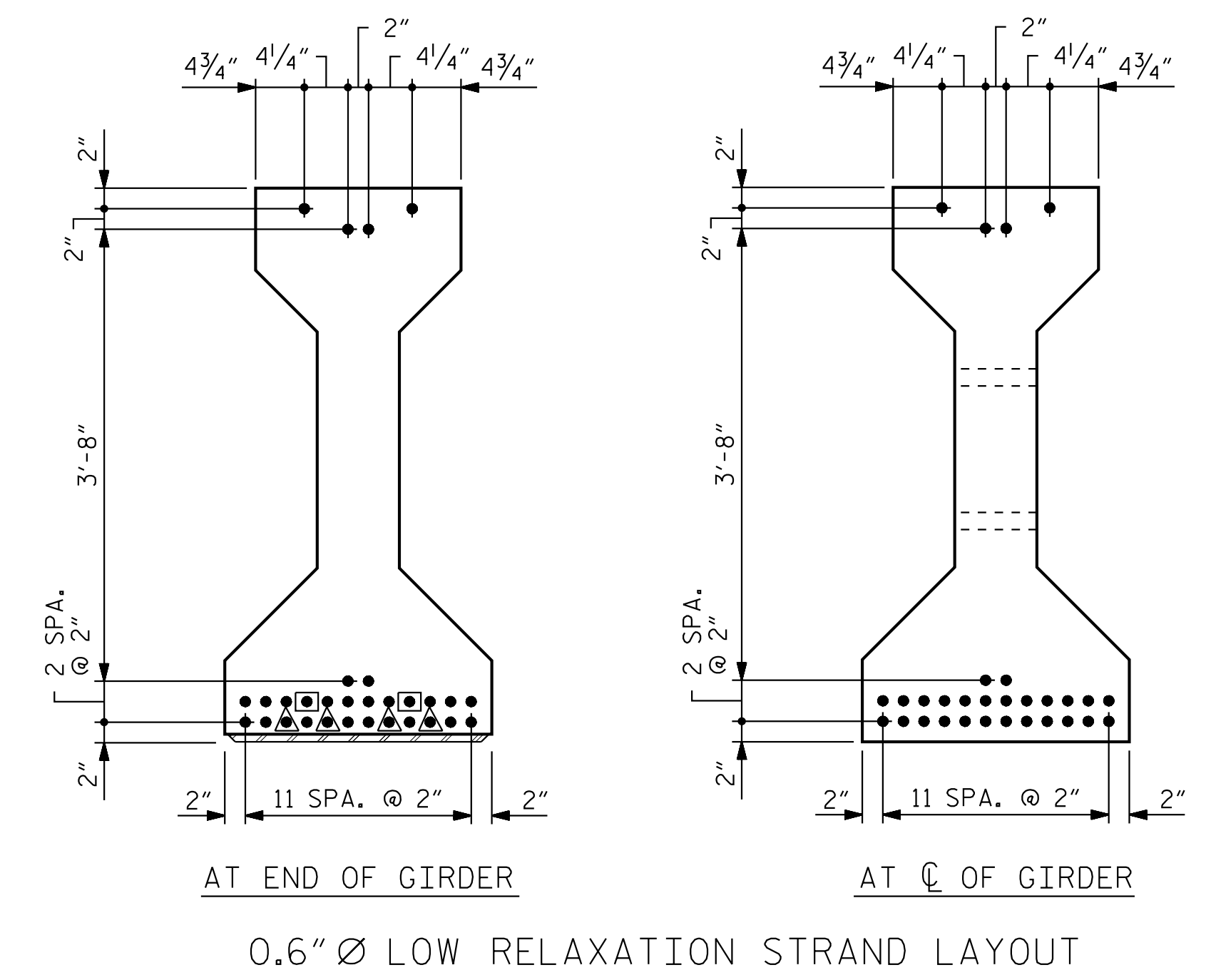
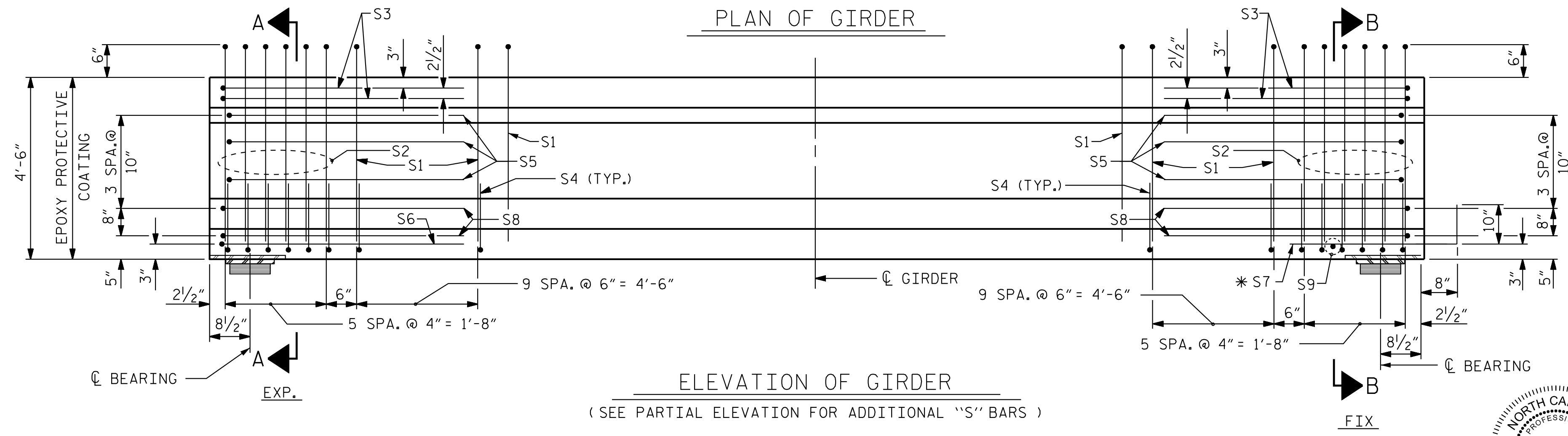
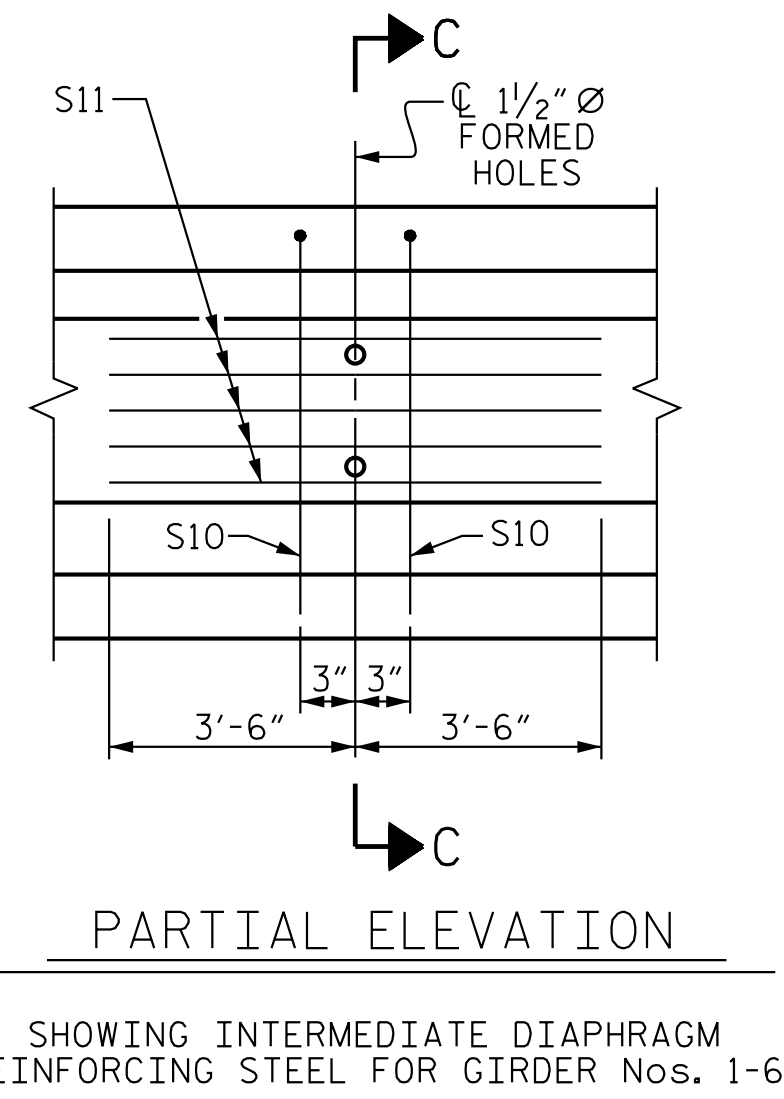
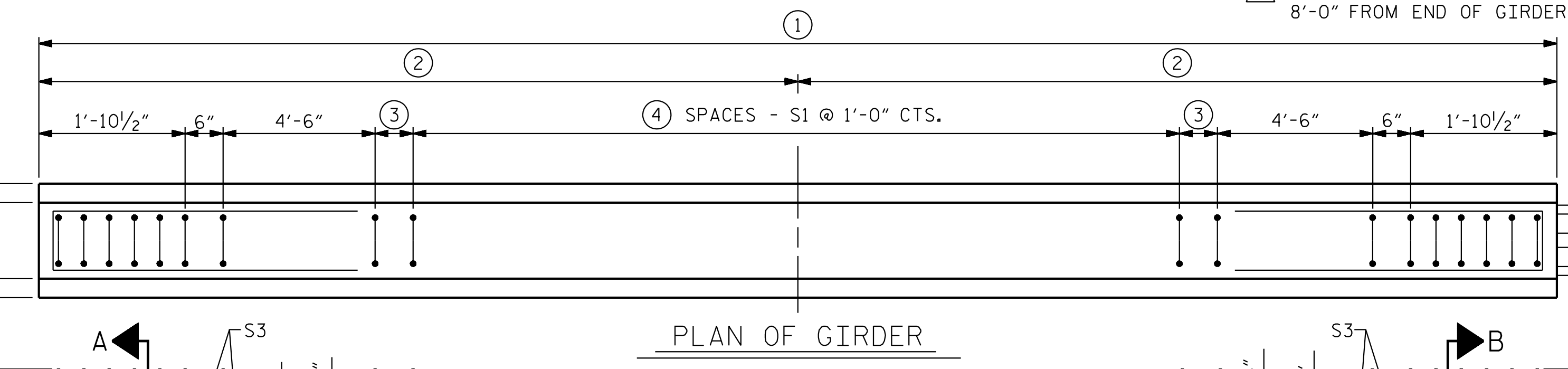


* FOR S7 BARS, SEE
 DETAIL "A" OF
 "PRESTRESSED
 CONCRETE GIRDER
 CONTINUOUS FOR LIVE
 LOAD DETAILS" SHEET
 4 OF 5



- DEBONDING LEGEND**
- FULLY BONDED STRANDS
 - ◐ STRANDS DEBONDED FOR 4'-0" FROM END OF GIRDER
 - ◑ STRANDS DEBONDED FOR 8'-0" FROM END OF GIRDER

TABLE OF DIMENSIONS				
SPAN	①	②	③	④
A	83'-2½"	41'-7¼"	2¾"	69
E	68'-2½"	34'-1¼"	8¾"	53

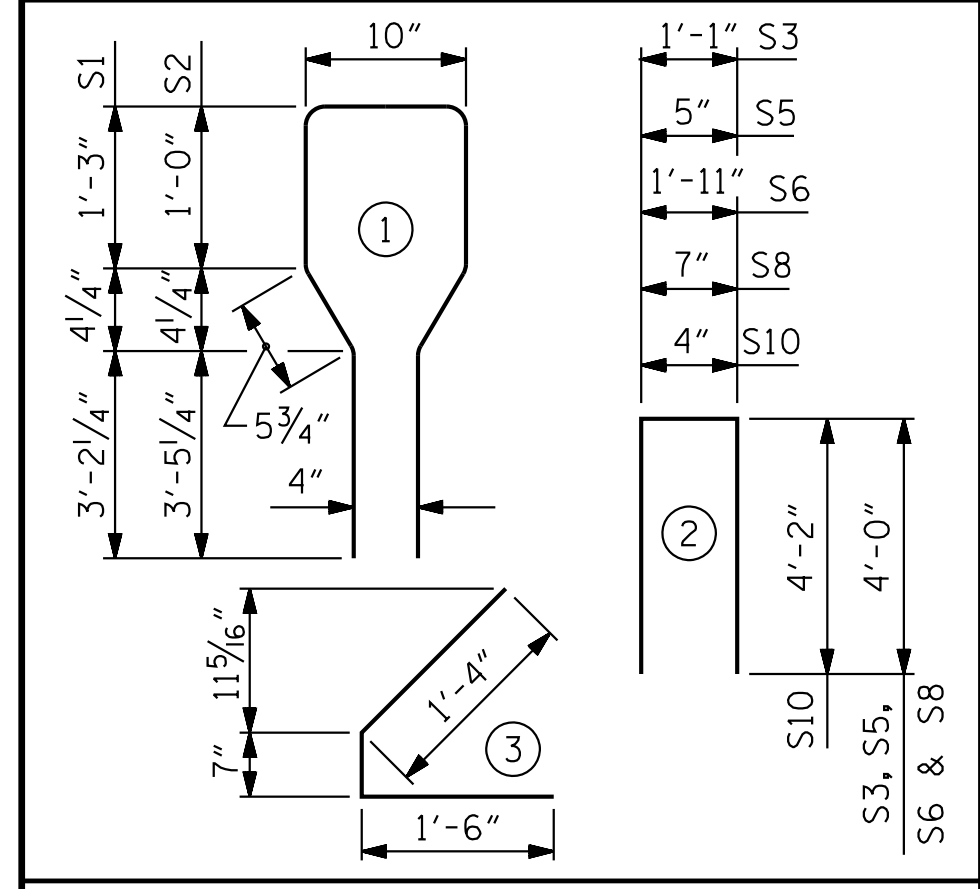


0.6" Ø L. R. GRADE 270 STRANDS		
AREA (SQUARE INCHES)	ULTIMATE STRENGTH (LBS. PER STRAND)	APPLIED PRESTRESS (LBS. PER STRAND)
0.217	58,600	43,950

REINFORCING STEEL FOR ONE GIRDER						
BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT	
SPAN A	S1	90	#4	1	10'-8"	641
SPAN E	S1	74	#4	1	10'-8"	527
	S2	12	#6	1	10'-8"	192
	S3	4	#4	2	9'-1"	24
	S4	64	#4	3	3'-5"	146
	S5	6	#4	2	8'-5"	34
	S6	1	#4	2	9'-11"	7
	*S7	6	#5	STR	3'-8"	23
	S8	4	#4	2	8'-7"	23
	S9	1	#3	STR	1'-10"	1
	S10	2	#5	2	8'-8"	18
	S11	5	#4	STR	7'-0"	23

* NOTE: S7 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	8500 PSI CONCRETE	0.6" Ø L. R. STRANDS
	LB.	C.Y.	No.
SPAN A	1132	16.9	30
SPAN E	1018	13.8	30

GIRDERS REQUIRED			
	NUMBER	LENGTH	TOTAL LENGTH
SPAN A	6	83'-2½"	499'-3"
SPAN E	6	68'-2½"	409'-3"

PROJECT NO. R-3822
HALIFAX COUNTY
 STATION: 99+17.60 -L1-

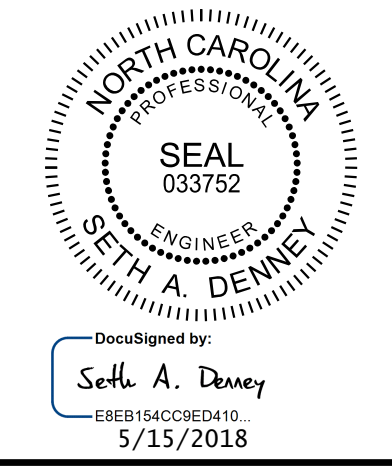
SHEET 1 OF 5

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

STANDARD
 AASHTO TYPE IV
 PRESTRESSED CONCRETE GIRDER
 CONTINUOUS FOR LIVE LOAD
 SPAN A & SPAN E

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

TOTAL SHEETS: 58



Kimley»Horn
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**DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED**

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ASSEMBLED BY : D. D. LOWERY	DATE : 03/18	MAA/GM
CHECKED BY : C. T. POOLE	DATE : 03/18	MAA/TMG
DRAWN BY : ELR 8/91	REV. 10/1/11	MAA/GM
CHECKED BY : GRP 8/91	REV. 1/15	MAA/TMG
	REV. 12/17	MAA/THC