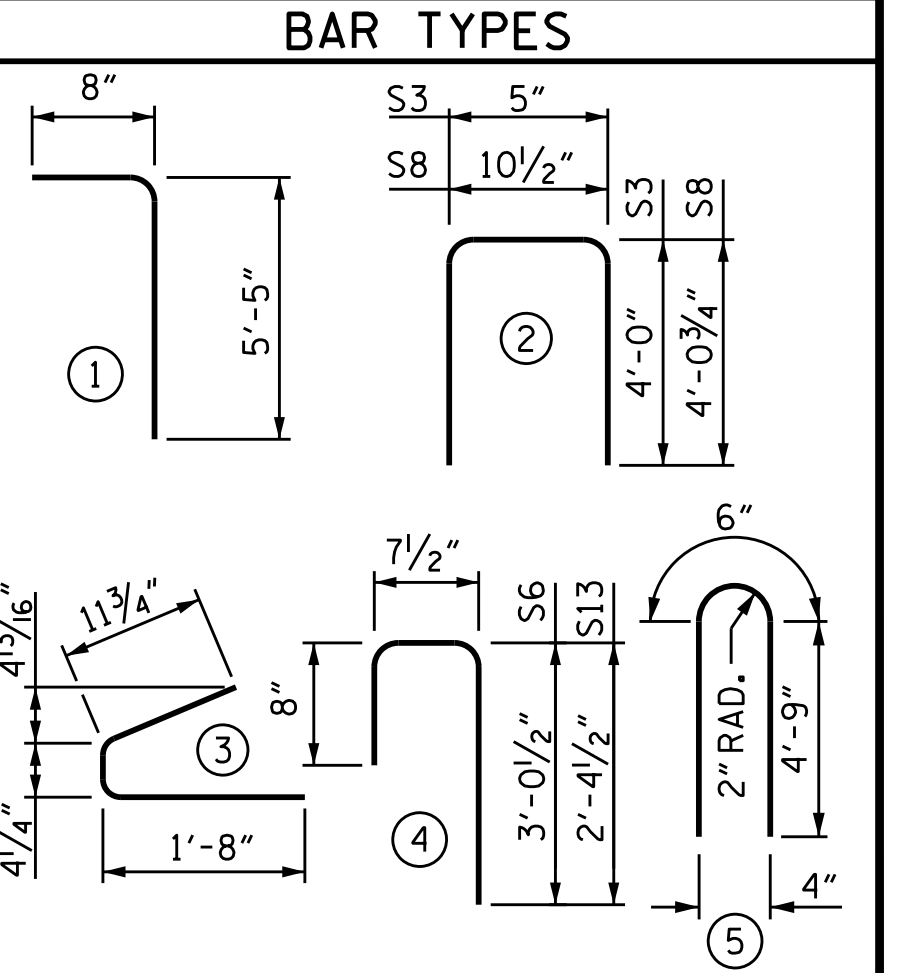


\* FOR S7 BARS, SEE  
DETAIL "C" OF  
PRESTRESSED  
CONCRETE GIRDER  
CONTINUOUS FOR LIVE  
LOAD DETAILS SHEET

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 GDR					
BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT
S1	166	#4	1	6'-1"	675
S2	24	#6	1	6'-1"	219
S3	12	#4	2	8'-5"	67
S4	72	#4	3	3'-0"	144
S6	188	#5	4	4'-4"	850
* S7	30	#5	STR	3'-8"	115
S8	2	#5	2	9'-0"	19
S9	32	#5	STR	3'-3"	108
S10	2	#3	STR	1'-10"	1
S11	8	#5	5	10'-0"	83
S12	16	#4	STR	8'-0"	86
S13	2	#5	4	3'-8"	8

\* NOTE: S7 BARS SHALL BE BENT BEFORE SHIPMENT. HEAT BENDING SHALL NOT BE ALLOWED.

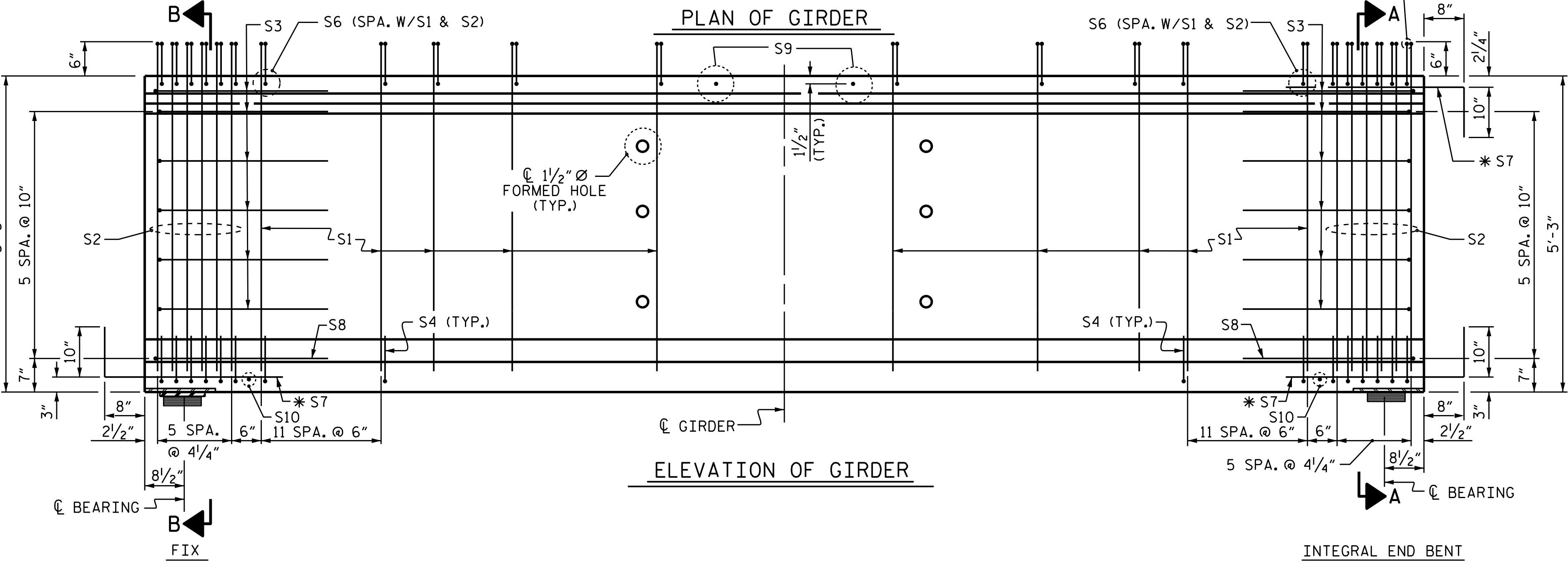
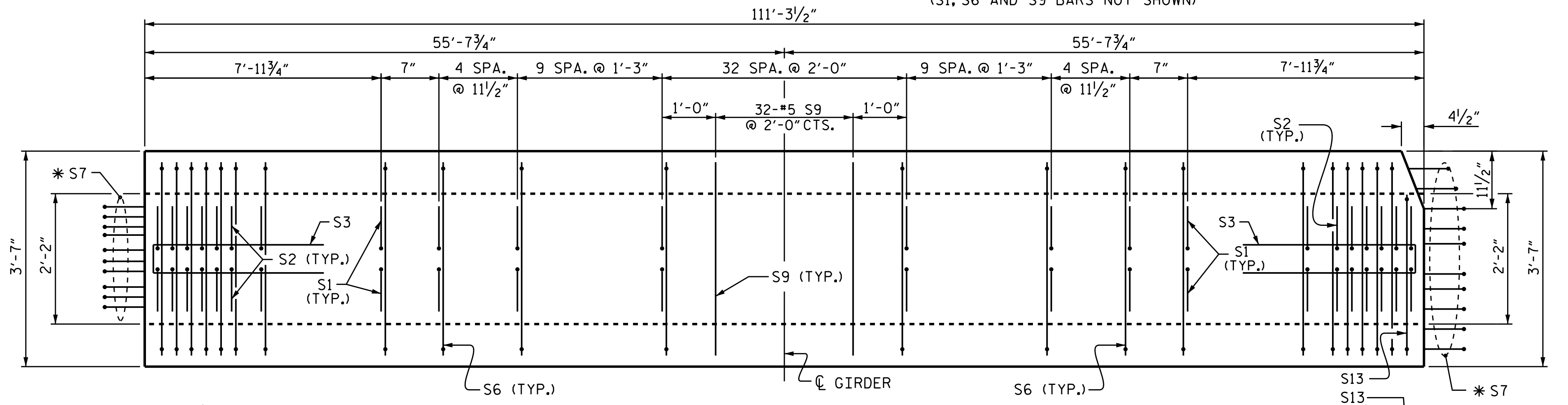
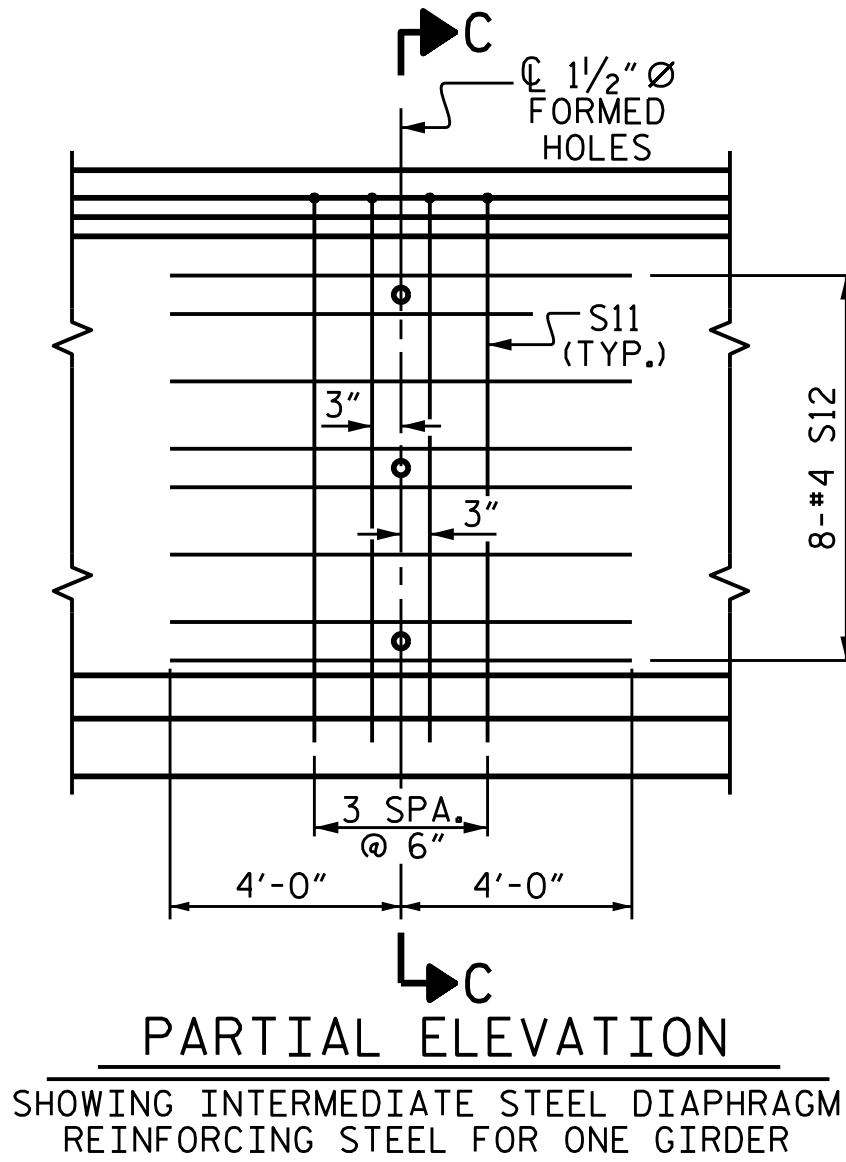


- DEBONDING LEGEND**
- FULLY BONDED STRANDS
  - ▲ STRANDS DEBONDED FOR 4'-0" FROM END OF GIRDER
  - ◆ STRANDS DEBONDED FOR 12'-0" FROM END OF GIRDER

ALL BAR DIMENSIONS ARE OUT-TO-OUT.

QUANTITIES FOR ONE GIRDER		
REINFORCING STEEL	9,500 PSI CONCRETE	0.6" Ø L.R. STRANDS
LB.	C.Y.	No.
2,375	22.0	44

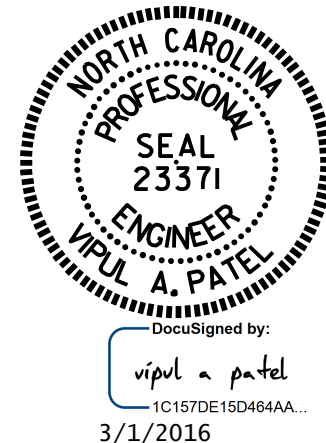
GIRDERS REQUIRED		
NUMBER	LENGTH	TOTAL LENGTH
7	111'-3 1/2"	779'-0 1/2"



PROJECT NO. B-5123  
CABARRUS COUNTY  
 STATION: 21+44.10 -L-

SHEET 2 OF 3

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH  
 STANDARD  
 63" PRESTRESSED CONCRETE  
 MODIFIED BULB TEE  
 CONTINUOUS FOR LIVE LOAD  
 SPAN B  
 (RIGHT LANE)



ASSEMBLED BY : T. H. CARROLL	DATE : 10/29/15	DESIGN ENGINEER OF RECORD:
CHECKED BY : H.A. LOCKLEAR	DATE : 11/1/15	H.A. LOCKLEAR
DRAWN BY : EEM 2/6/97	REV. 10/1/11	DATE : 2228/16
CHECKED BY : VAP 2/6/97	REV. 6/13	
	REV. 1/15	

DOCUMENT NOT CONSIDERED  
 FINAL UNLESS ALL  
 SIGNATURES COMPLETED

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

TOTAL SHEETS 74