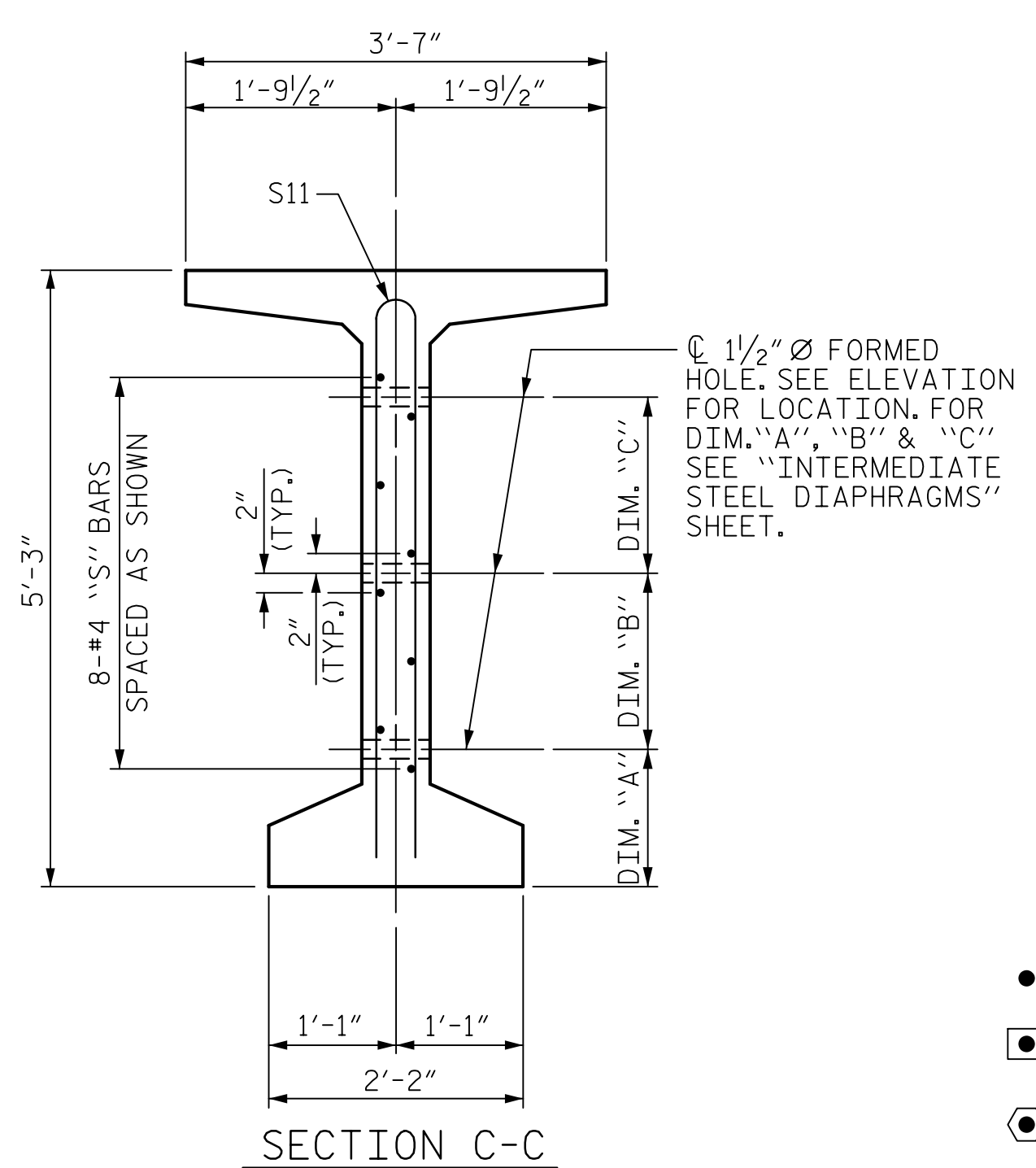


SECTION A-A

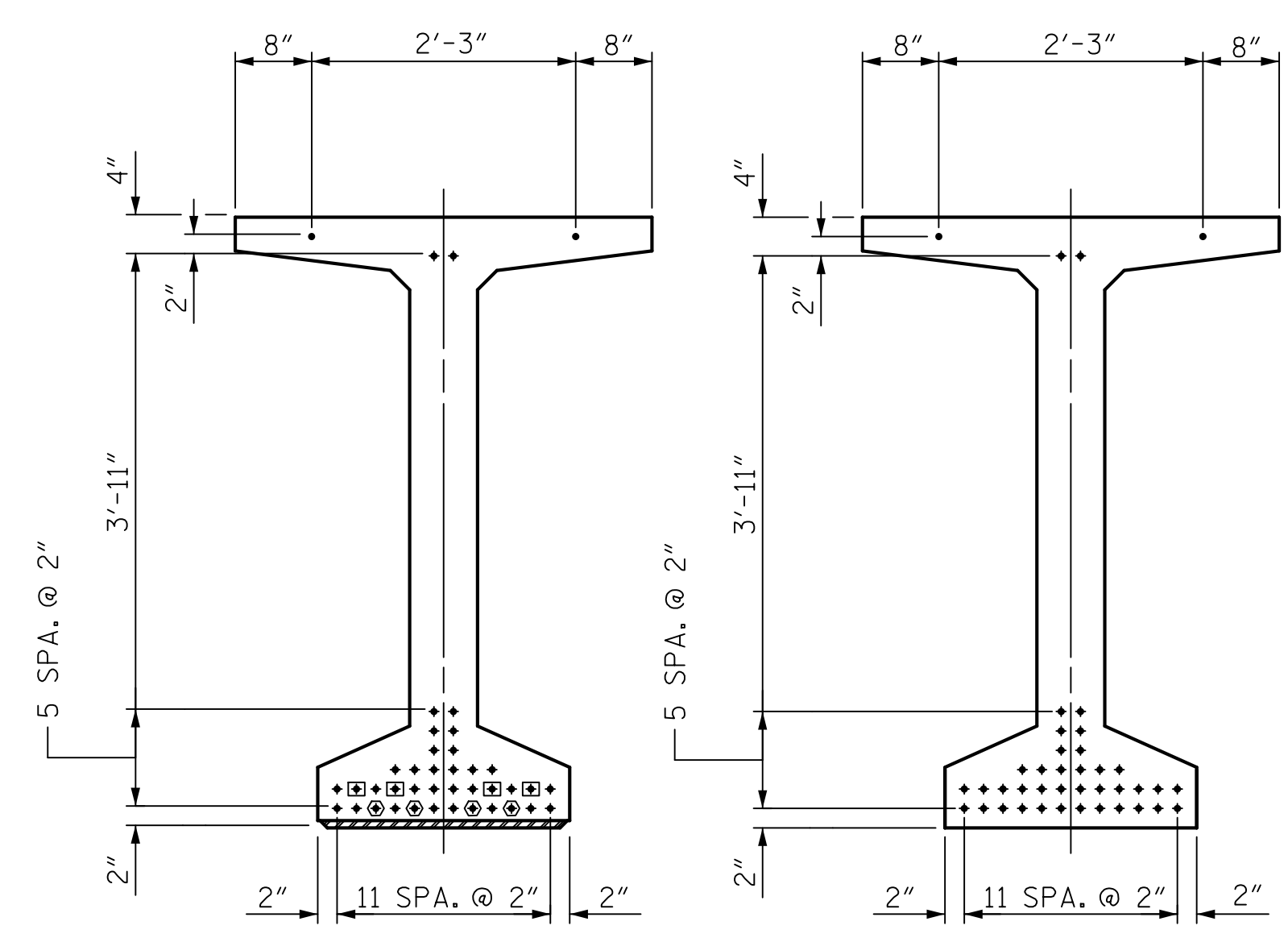
*FOR S7 BARS, SEE DETAIL "C" OF PRESTRESSED CONCRETE GIRDER DETAILS SHEET



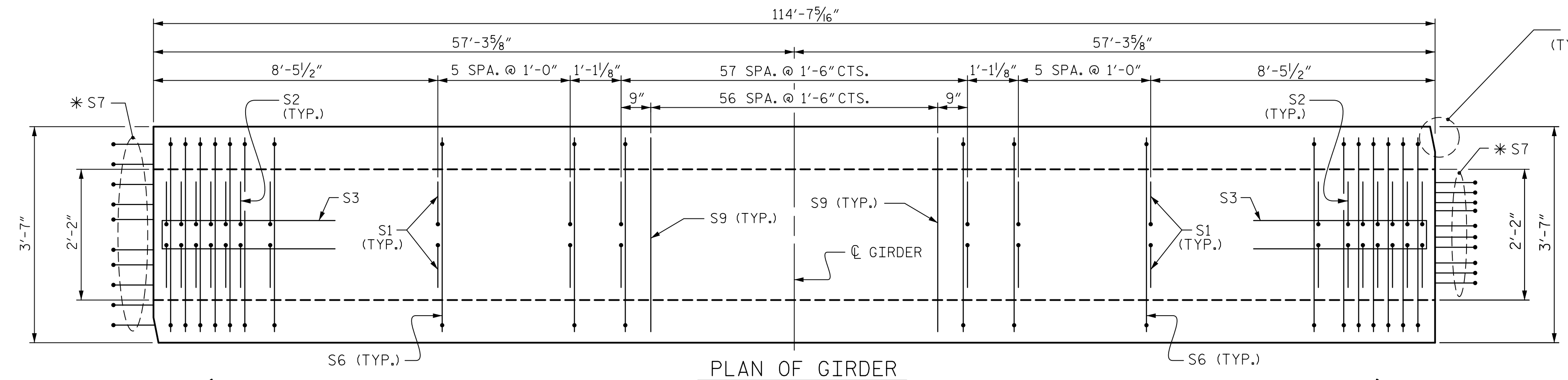
SECTION C-C
(S1, S6 AND S9 BARS NOT SHOWN)

1/2" Ø FORMED HOLE. SEE ELEVATION FOR LOCATION. FOR DIM. "A", "B" & "C" SEE "INTERMEDIATE STEEL DIAPHRAGMS" SHEET.

- DEBONDING LEGEND**
- FULLY BONDED STRANDS
 - ◻ STRANDS DEBONDED FOR 6'-0" FROM END OF GIRDER
 - ◐ STRANDS DEBONDED FOR 22'-0" FROM END OF GIRDER

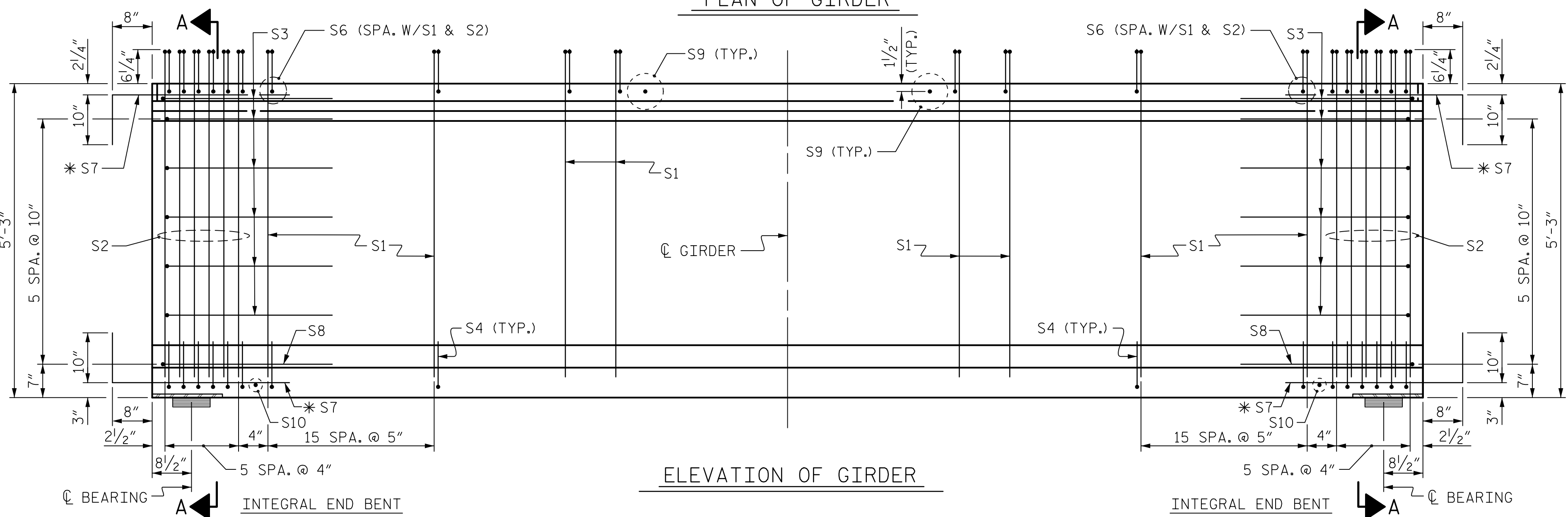


AT END OF GIRDER AT C. OF GIRDER
0.6" Ø LOW RELAXATION STRAND LAYOUT

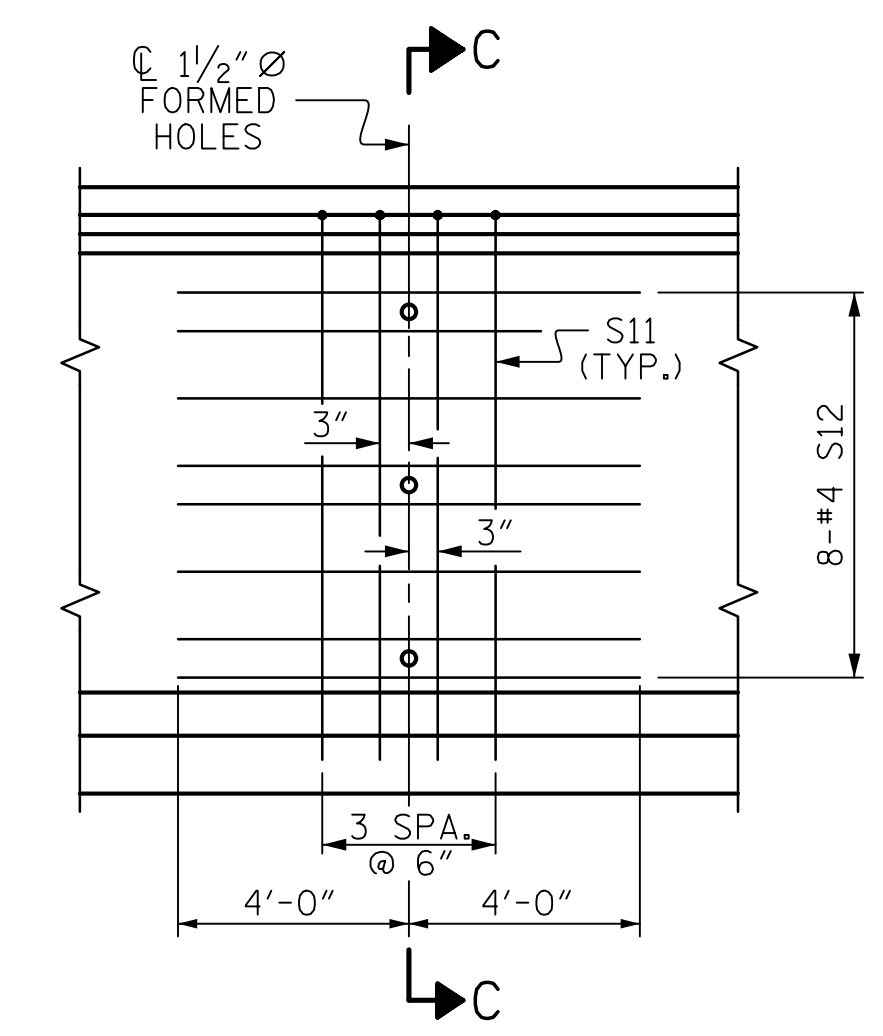


PLAN OF GIRDER

CLIP IN TOP FLANGE (TYP. EA. END) SEE DETAIL "D" OF PRESTRESSED CONCRETE GIRDER DETAILS SHEET



ELEVATION OF GIRDER

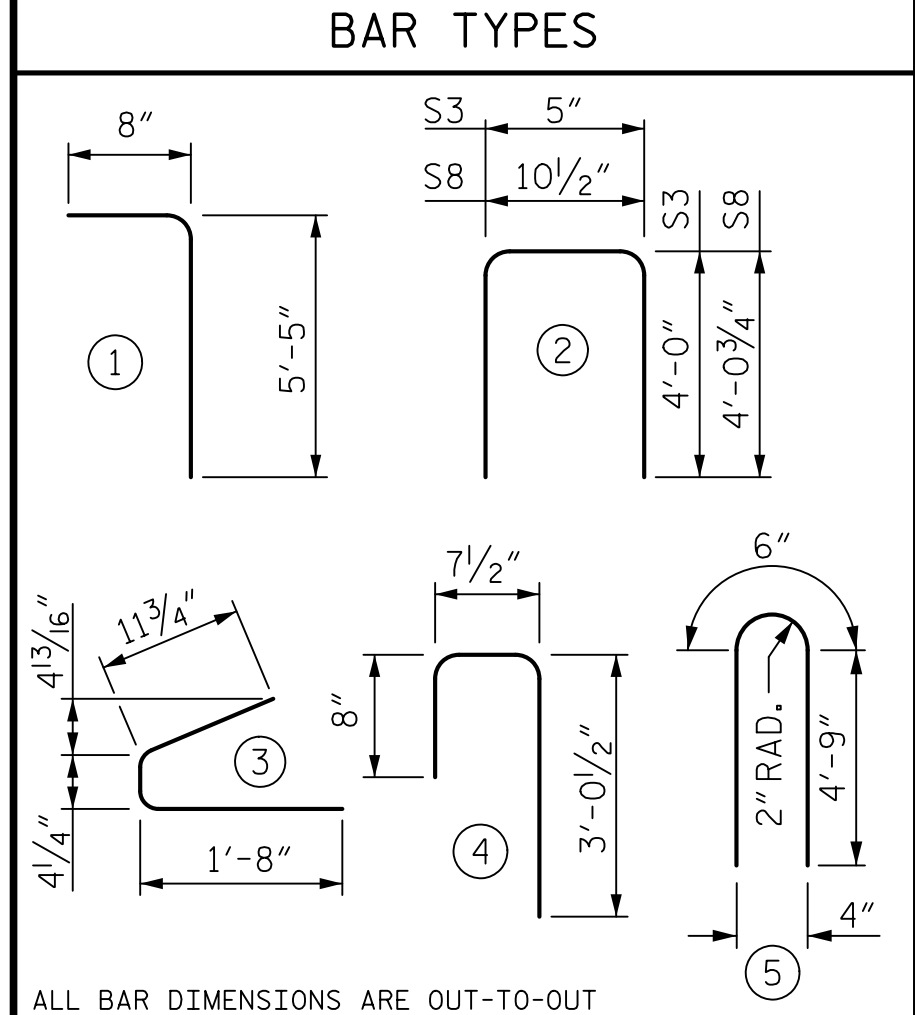


PARTIAL ELEVATION
SHOWING INTERMEDIATE STEEL DIAPHRAGM REINFORCING STEEL FOR GIRDER Nos. 1-5

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	200	#4	1	6'-1"	813
S2	24	#6	1	6'-1"	219
S3	12	#4	2	8'-5"	67
S4	88	#4	3	3'-0"	176
S6	224	#5	4	4'-4"	1012
*S7	40	#5	STR	3'-8"	153
S8	2	#5	2	9'-0"	19
S9	57	#5	STR	3'-3"	193
S10	2	#3	STR	1'-10"	1
S11	8	#5	5	10'-0"	83
S12	16	#4	STR	8'-0"	86

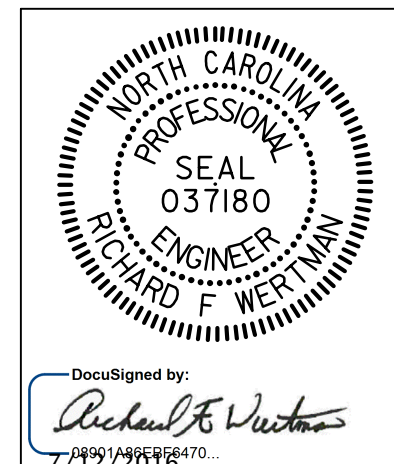
*NOTE: S7 BARS SHALL BE BENT BEFORE SHIPMENT. HEAT BENDING SHALL NOT BE ALLOWED.



QUANTITIES FOR ONE GIRDER			
	REINFORCING STEEL	8000 PSI CONCRETE	0.6" Ø L.R. STRANDS
	LB.	C.Y.	No.
EXTERIOR GIRDER	2822	22.7	40
INTERIOR GIRDER	2822	22.7	40

GIRDERS REQUIRED		
NUMBER	LENGTH	TOTAL LENGTH
5	114'-7 5/8"	573'-0 1/2"

PROJECT NO. B-4447
BURKE COUNTY
 STATION: 25+85.40 -L-
15+67.23 -Y-
 SHEET 1 OF 2



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 STANDARD
 63" PRESTRESSED CONCRETE
 MODIFIED BULB TEE
 SPAN A
 WESTBOUND LANE

ASSEMBLED BY: T.J. KIRSCHBAUM DATE: 10/9/15
 CHECKED BY: A.J. FORFA DATE: 12/15/15
 DRAWN BY: EEM 2/6/97 REV. 10/1/11 MAA/GM
 CHECKED BY: VAP 2/6/97 REV. 6/13 MAA/GM
 REV. 1/15 MAA/TMG

PLANS PREPARED BY:
Gannett Fleming
 Excellence Delivered As Promised
 2610 Wycliff Road
 Suite 102
 Raleigh, NC 27607-3073
 (919) 420-7660
 INC Lic. No. F-0270

THESE PLANS HAVE BEEN PROPERLY EXAMINED BY THE UNDERSIGNED. I HAVE DETERMINED THAT THEY COMPLY WITH EXISTING NORTH CAROLINA CODES, AND HAVE BEEN PROPERLY ADAPTED FOR USE IN THIS AREA.

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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