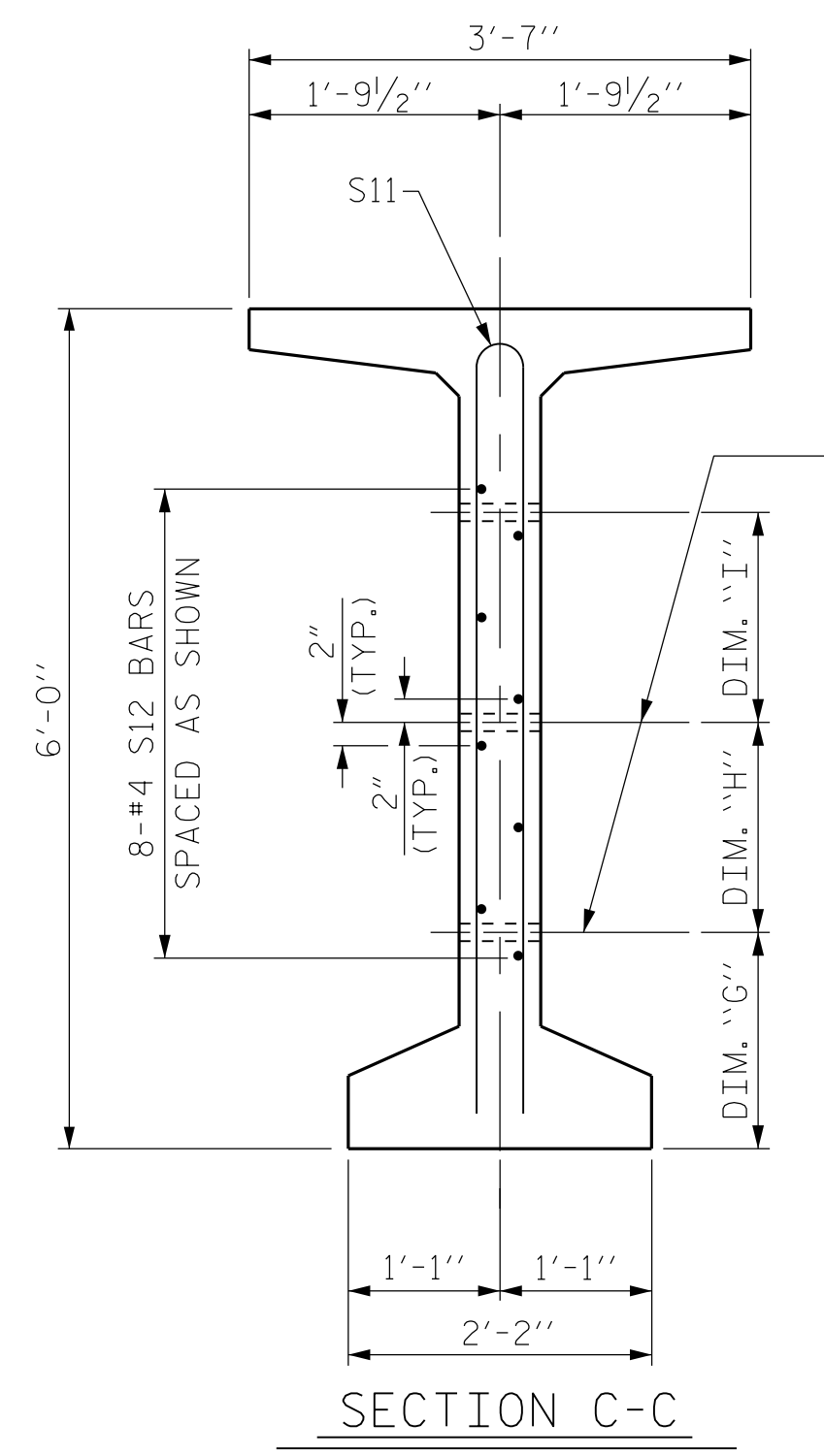


SECTION A-A

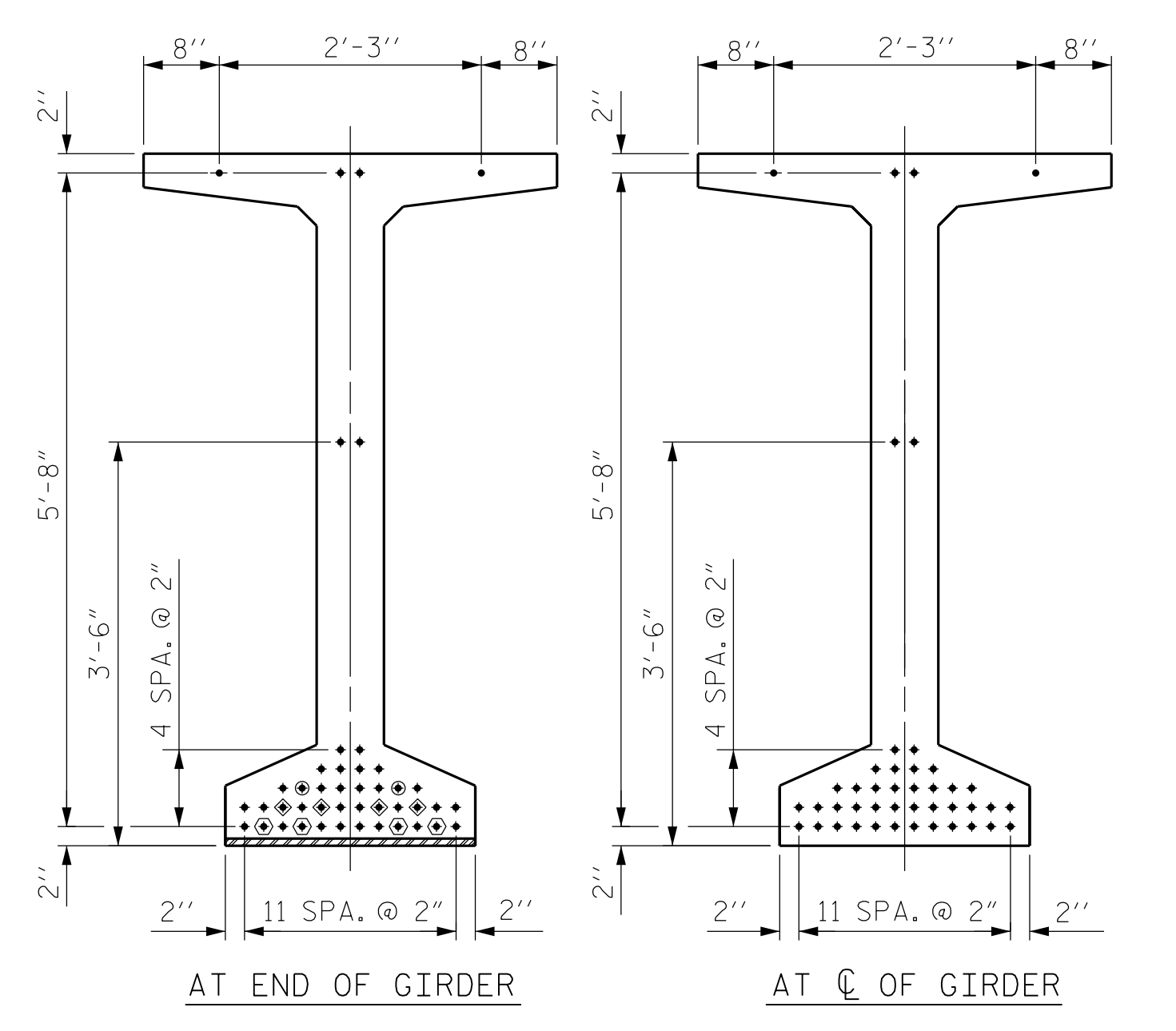


SECTION C-C

1/2" Ø FORMED HOLE. SEE FRAMING PLAN FOR LOCATION. FOR DIM. "A", "B" & "C" SEE "INTERMEDIATE STEEL DIAPHRAGMS" SHEET 3 OF 3.)

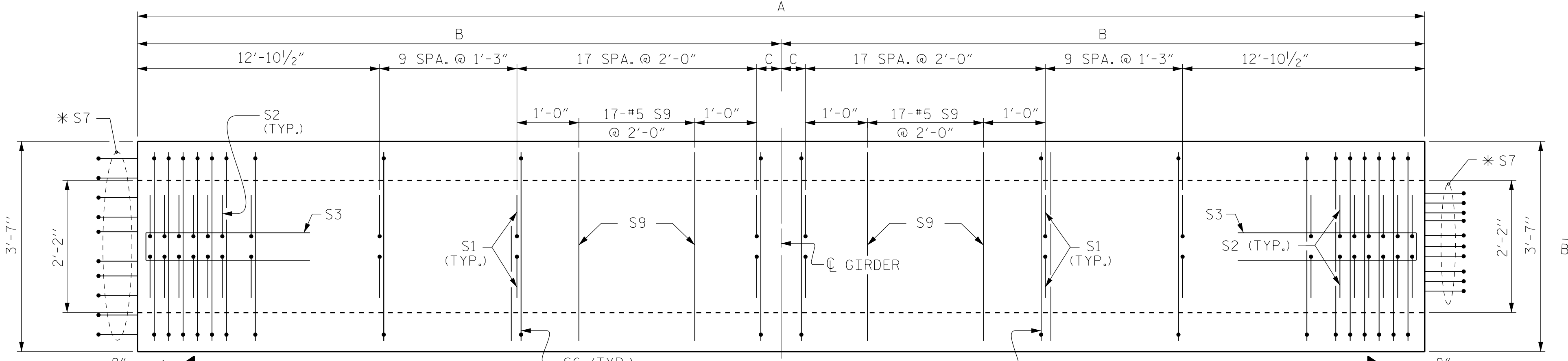
DEBONDING LEGEND

- FULLY BONDED STRANDS
- STRANDS DEBONDED FOR 10'-0" FROM END OF GIRDER
- STRANDS DEBONDED FOR 12'-0" FROM END OF GIRDER
- STRANDS DEBONDED FOR 14'-0" FROM END OF GIRDER

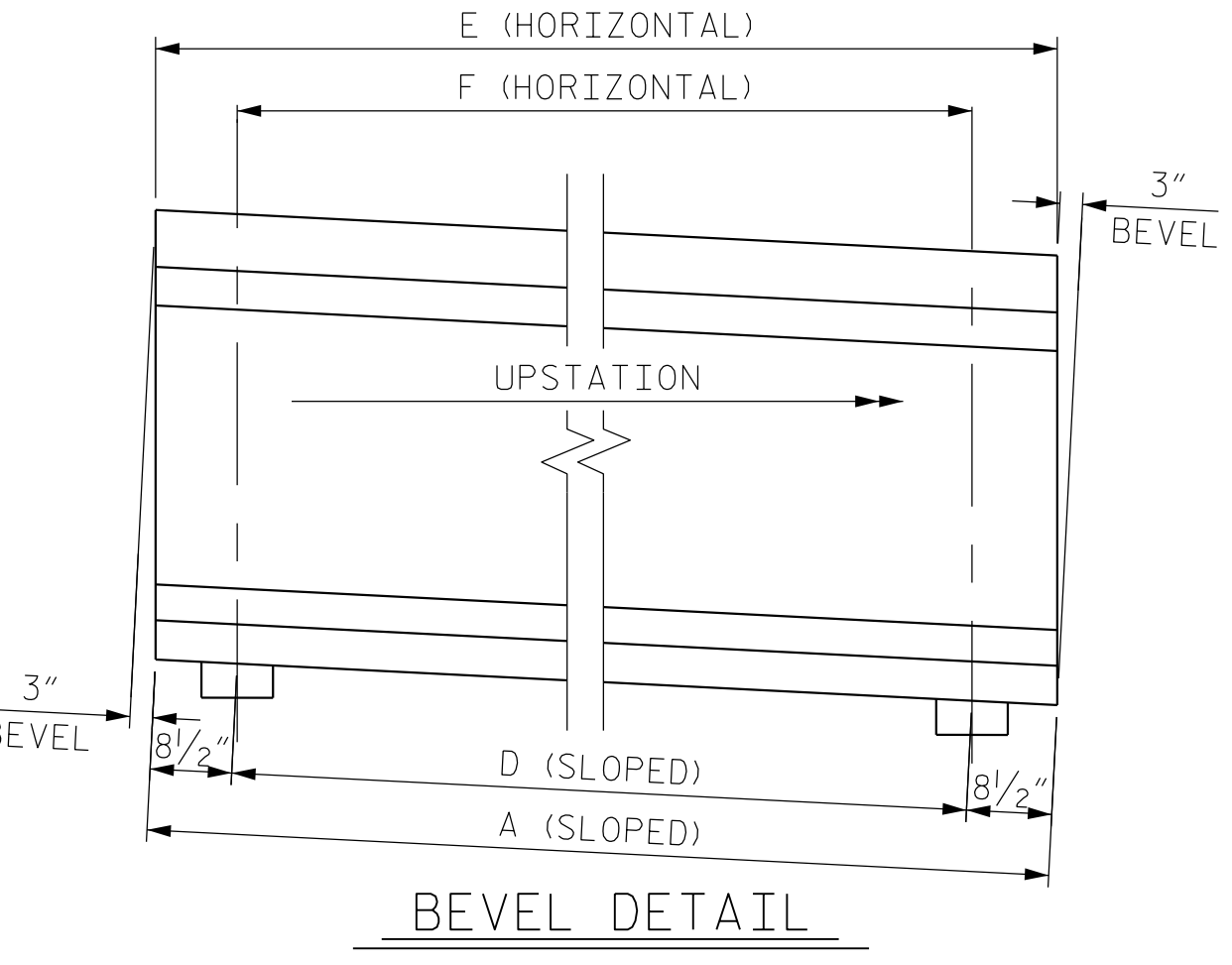


AT END OF GIRDER AT C OF GIRDER

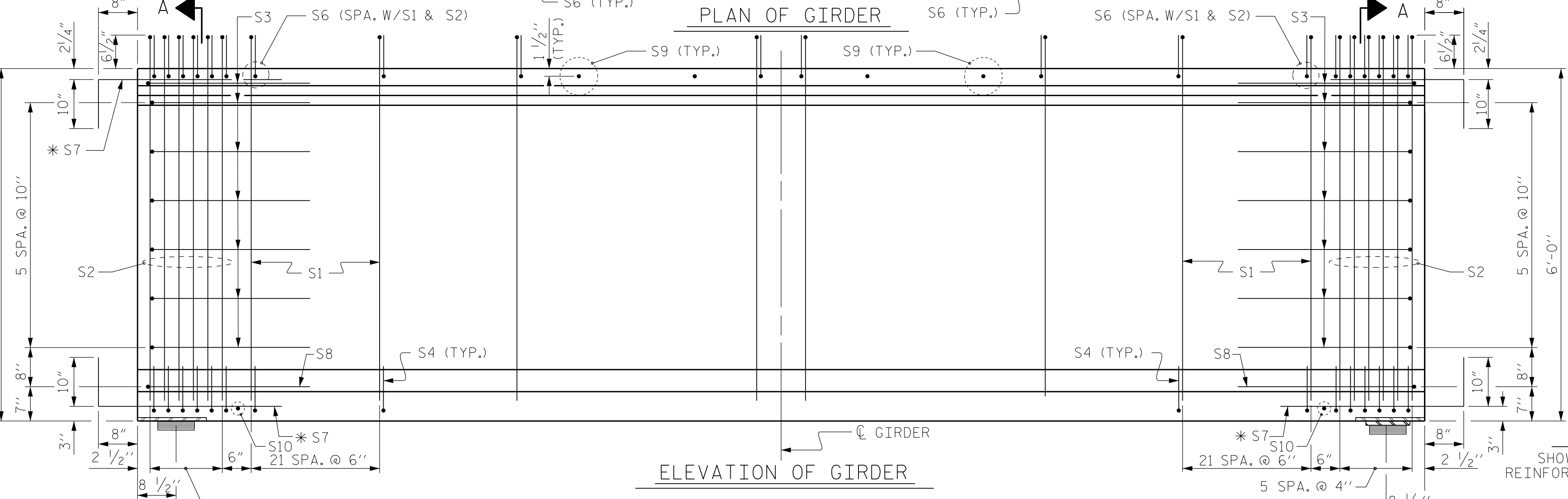
0.6" Ø LOW RELAXATION STRAND LAYOUT



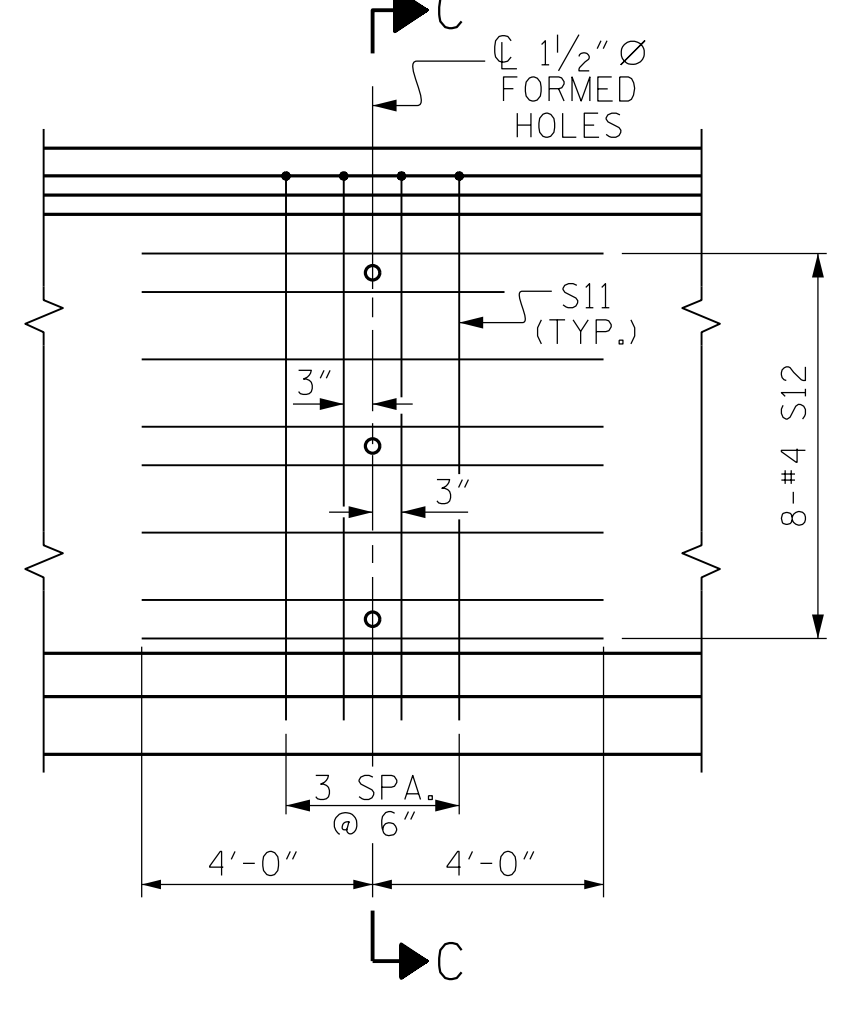
PLAN OF GIRDER



BEVEL DETAIL



ELEVATION OF GIRDER



PARTIAL ELEVATION

SHOWING INTERMEDIATE STEEL DIAPHRAGM REINFORCING STEEL FOR GIRDER Nos. 1 THROUGH 4

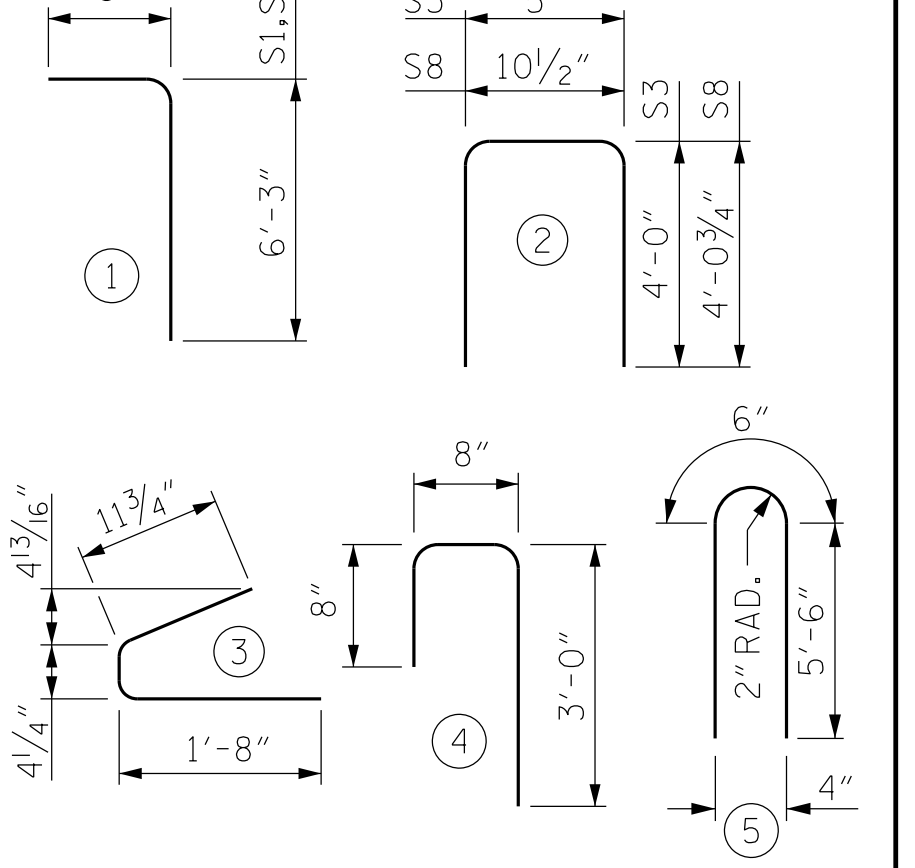
GIRDER LEGEND						
GIRDER No.	DIM. A	DIM. B	DIM. C	DIM. D	DIM. E	DIM. F
GIRDER 1	117'-5 5/8"	58'-8 13/16"	7 7/16"	116'-0 11/16"	117'-4 3/16"	115'-11 9/16"
GIRDER 2	117'-5 3/8"	58'-8 11/16"	7 3/16"	116'-0 1/16"	117'-4 1/16"	115'-11 1/16"
GIRDER 3	117'-5 1/8"	58'-8 9/16"	7 1/16"	116'-0 1/8"	117'-3 3/4"	115'-10 3/4"
GIRDER 4	117'-4 7/8"	58'-8 7/16"	6 5/16"	115'-11 1/8"	117'-3 1/2"	115'-10 1/2"

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	192	#4	1	6'-11"	887	
S2	24	#6	1	6'-11"	249	
S3	14	#4	2	8'-5"	79	
S4	112	#4	3	3'-0"	224	
S6	216	#5	4	4'-4"	976	
*S7	40	#5	STR	3'-8"	153	
S8	2	#5	2	9'-0"	19	
S9	34	#5	STR	3'-3"	115	
S10	2	#3	STR	1'-10"	1	
S11	8	#5	5	11'-6"	96	
S12	16	#4	STR	8'-0"	86	

* 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.
GIRDERS 1 THRU 4	2885	25.2	44

GIRDERS REQUIRED

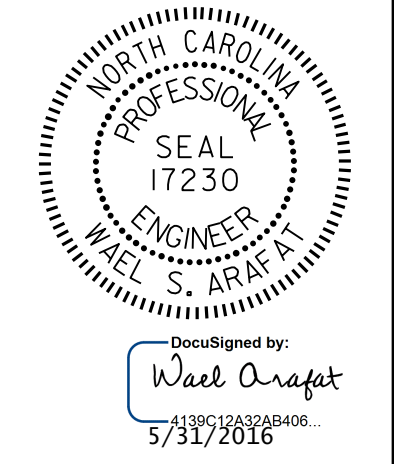
	NUMBER	LENGTH
GIRDER 1	1	117'-5 5/8"
GIRDER 2	1	117'-5 3/8"
GIRDER 3	1	117'-5 1/8"
GIRDER 4	1	117'-4 7/8"
TOTAL LENGTH		469'-9"

PROJECT NO. R-4060
ALLEGHANY COUNTY
STATION: 36+45.00 -L-

SHEET 1 OF 3

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

72" PRESTRESSED CONCRETE
MODIFIED BULB TEE
CONTINUOUS FOR LIVE LOAD
SPAN "A"



ASSEMBLED BY: H. T. BARBOUR DATE: 11-18-15
CHECKED BY: V. X. NGUYEN DATE: 11-15

DRAWN BY: EEM 2/6/97 REV: 6/13
CHECKED BY: VAP 2/6/97 REV: 1/15

DESIGN ENGINEER OF RECORD:
S. I. CHAMPION DATE: 12-20-15

DOCUMENT NOT CONSIDERED
FINAL UNLESS ALL
SIGNATURES COMPLETED

REVISIONS						SHEET NO. S-11
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			TOTAL SHEETS 26
2			4			