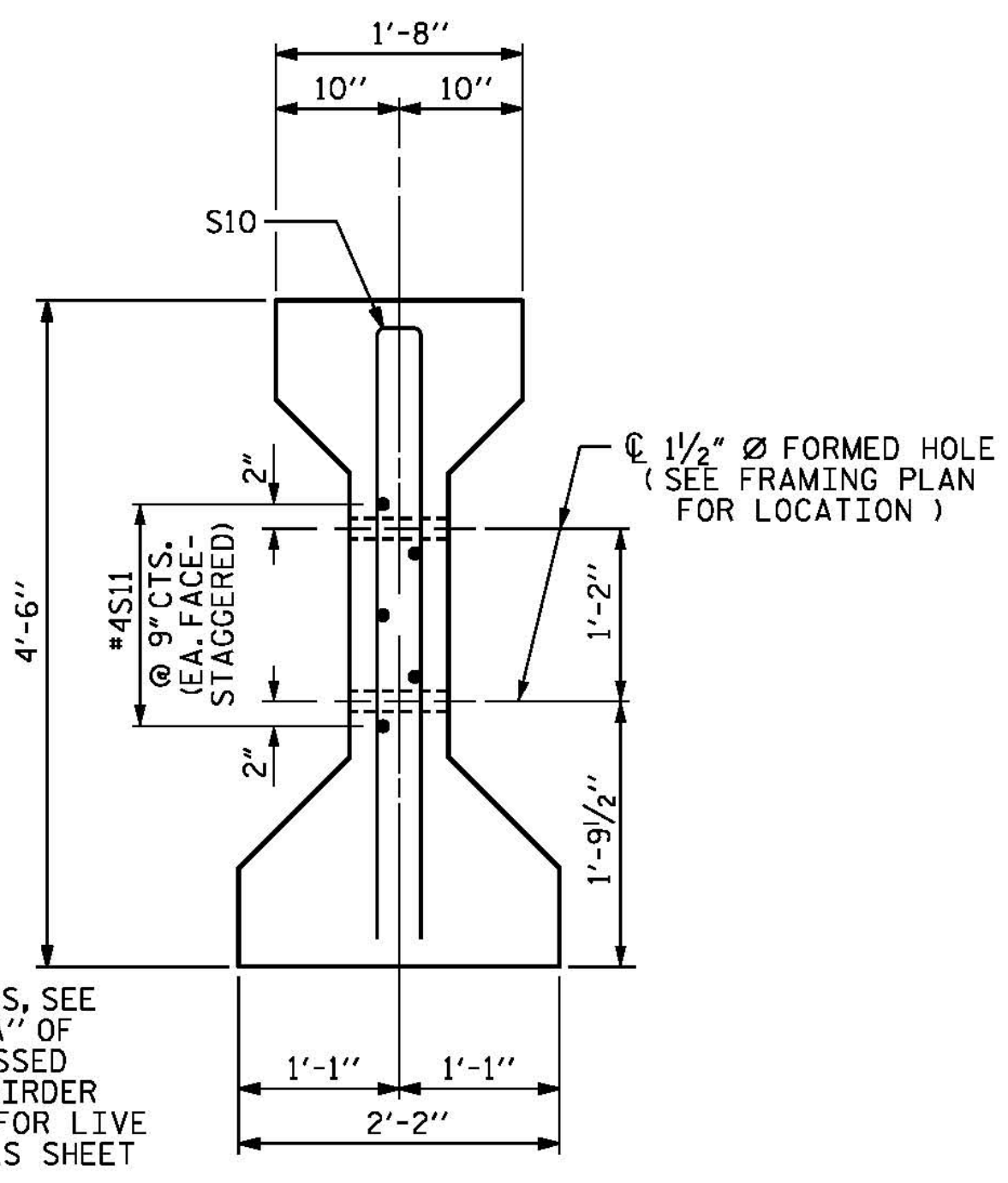
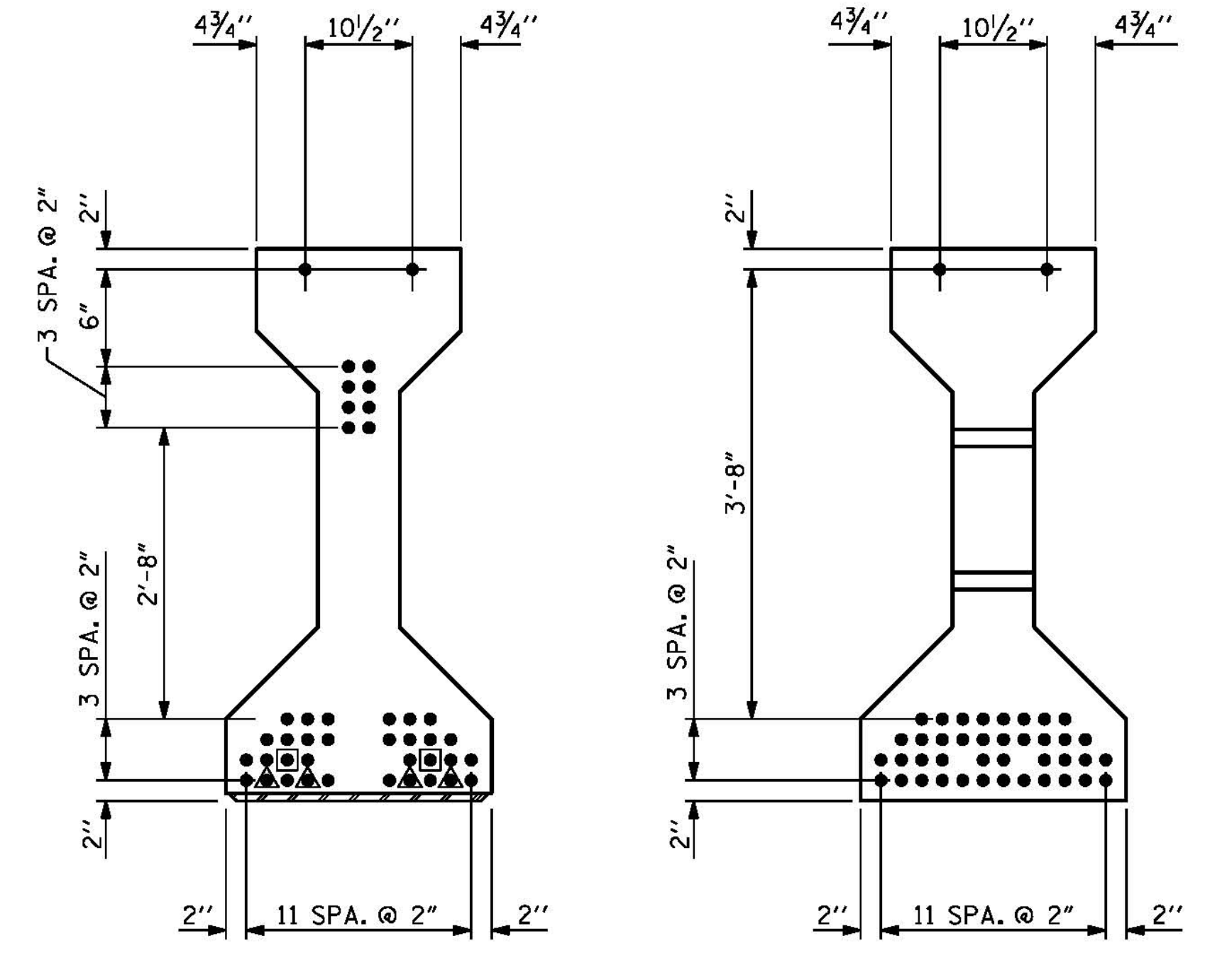


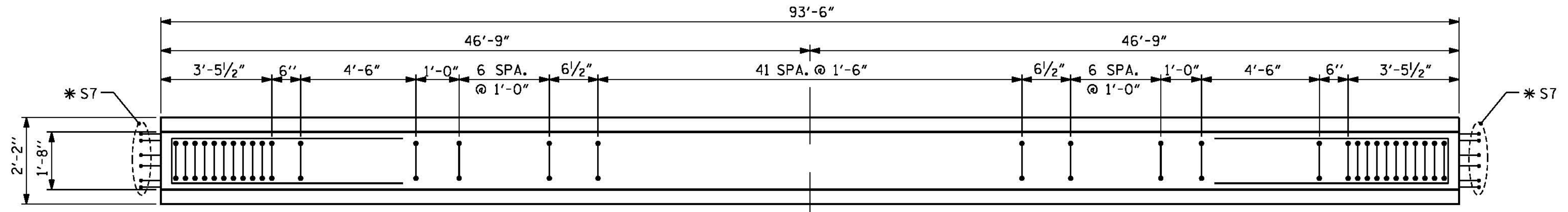
SECTION B-B



SECTION C-C
(S1 BARS NOT SHOWN)



AT END OF GIRDER
AT C OF GIRDER
0.6" Ø LOW RELAXATION STRAND LAYOUT
(42 STRANDS REQUIRED)



PLAN OF GIRDER

- DEBONDING LEGEND
- FULLY BONDED STRANDS
 - ◻ STRANDS DEBONDED FOR 2'-0" FROM END OF GIRDER
 - ◼ STRANDS DEBONDED FOR 4'-0" FROM END OF GIRDER

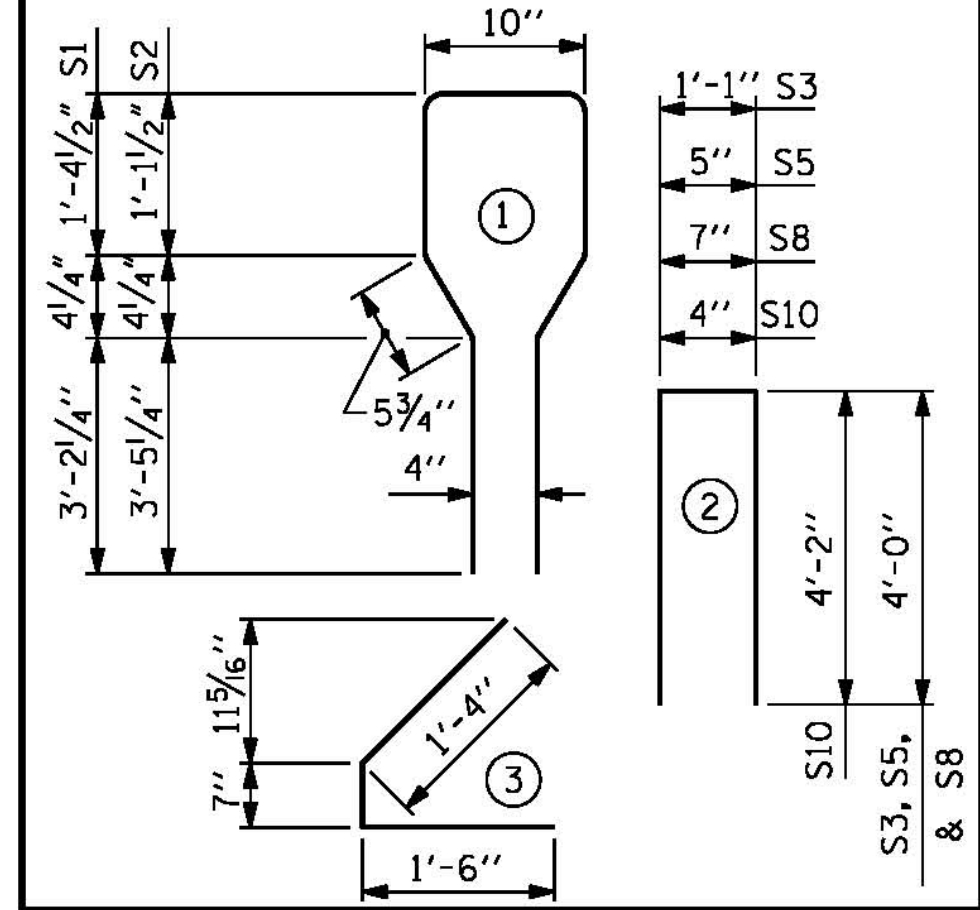
0.6" Ø L. R. GRADE 270 STRANDS		
AREA (SQUARE INCHES)	ULTIMATE STRENGTH (LBS. PER STRAND)	APPLIED PRESTRESS (LBS. PER STRAND)
0.217	58,600	43,950

REINFORCING STEEL FOR ONE GIRDER					
BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT
S1	76	#4	1	10'-11"	554
S2	28	#6	1	10'-11"	459
S3	4	#4	2	9'-1"	24
S4	96	#4	3	3'-5"	219
S5	6	#4	2	8'-5"	34
* S7	12	#5	STR	3'-8"	46
S8	4	#4	2	8'-7"	23
S9	2	#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.

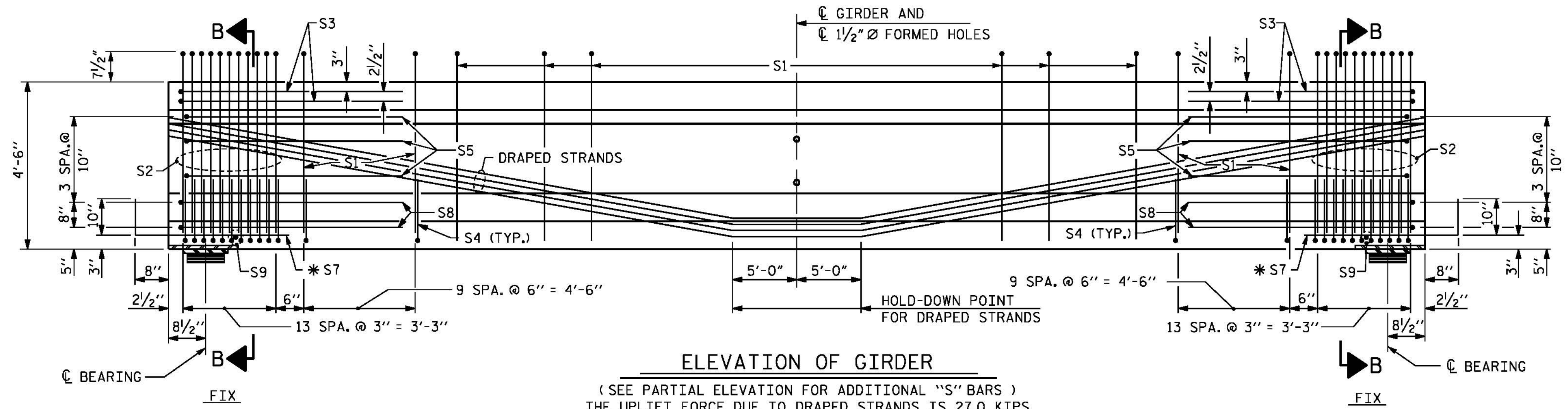
BAR TYPES

ALL BAR DIMENSIONS ARE OUT-TO-OUT

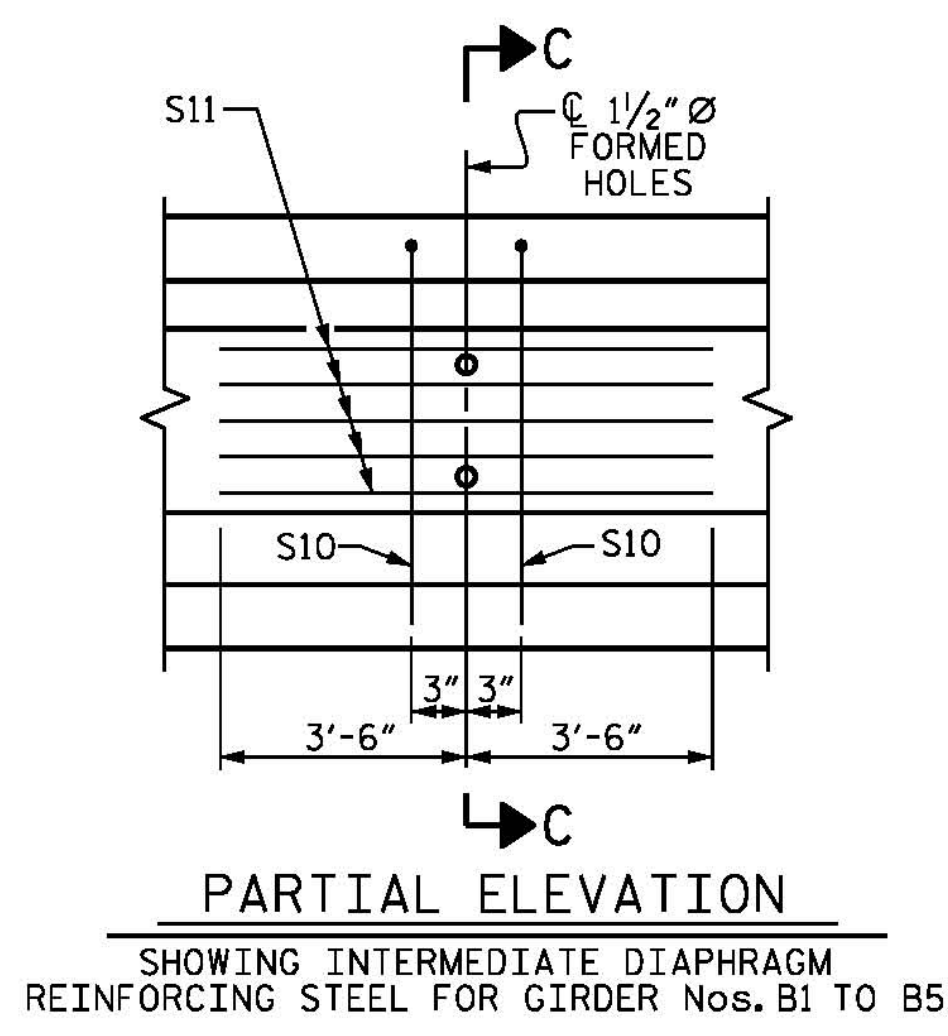


QUANTITIES FOR ONE GIRDER			
	REINFORCING STEEL LB.	9500 PSI CONCRETE C.Y.	0.6" Ø L. R. STRANDS No.
	1401	18.98	42

GIRDERS REQUIRED		
NUMBER	LENGTH	TOTAL LENGTH
5	93.50'	467.50'

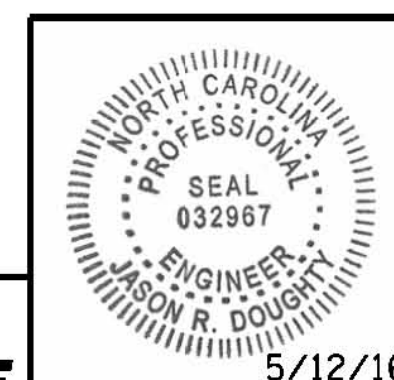


ELEVATION OF GIRDER
(SEE PARTIAL ELEVATION FOR ADDITIONAL "S" BARS)
THE UPLIFT FORCE DUE TO DRAPED STRANDS IS 27.0 KIPS



PARTIAL ELEVATION
SHOWING INTERMEDIATE DIAPHRAGM
REINFORCING STEEL FOR GIRDER NOS. B1 TO B5

PROJECT NO. B-4929
PENDER COUNTY
STATION: 38+13.81 -L2-



PARSONS BRINCKERHOFF
434 FAYETTEVILLE STREET
SUITE 1500
RALEIGH, NC 27601
LICENSE NO. F-0165

DocuSigned by:
Jason R. Doughty
5/12/16

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
STANDARD
AASHTO TYPE IV
PRESTRESSED CONCRETE GIRDER
CONTINUOUS FOR LIVE LOAD
SPAN B

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-73
1			3			TOTAL SHEETS
2			4			278

DESIGNED BY: J. BORUTA	DATE: OCT 2015
DRAWN BY: M. HOBBS	DATE: OCT 2015
CHECKED BY: M. WAGNER	DATE: JAN 2016
DESIGN ENGINEER OF RECORD: J. DOUGHTY	DATE: MAY 2016
DRAWN BY: ELR 8/91	REV. 5/1/06R TLA/GM
CHECKED BY: GRP 8/91	REV. 10/1/11 MAA/GM
	REV. 1/15 MAA/TMG

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED