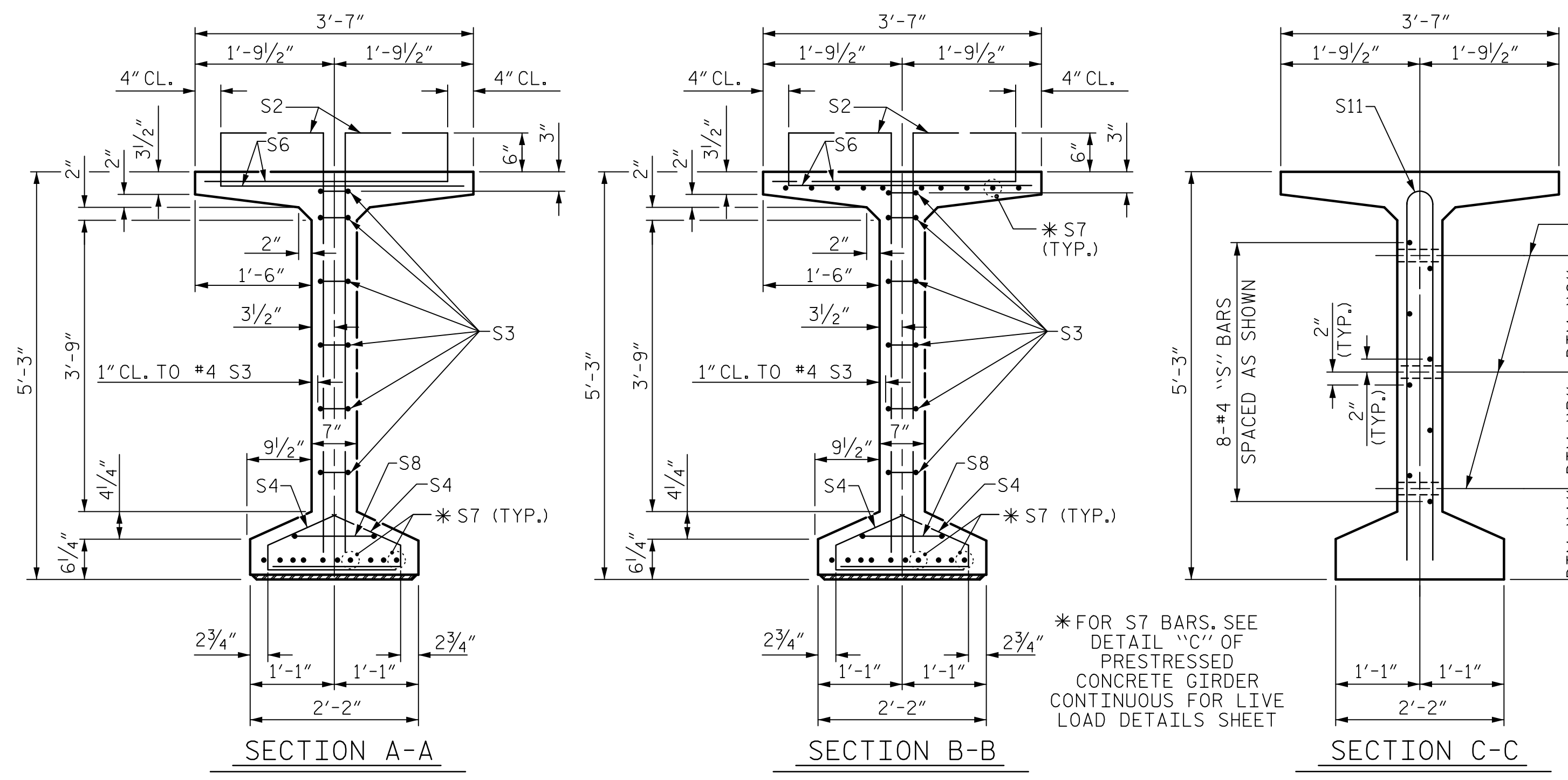
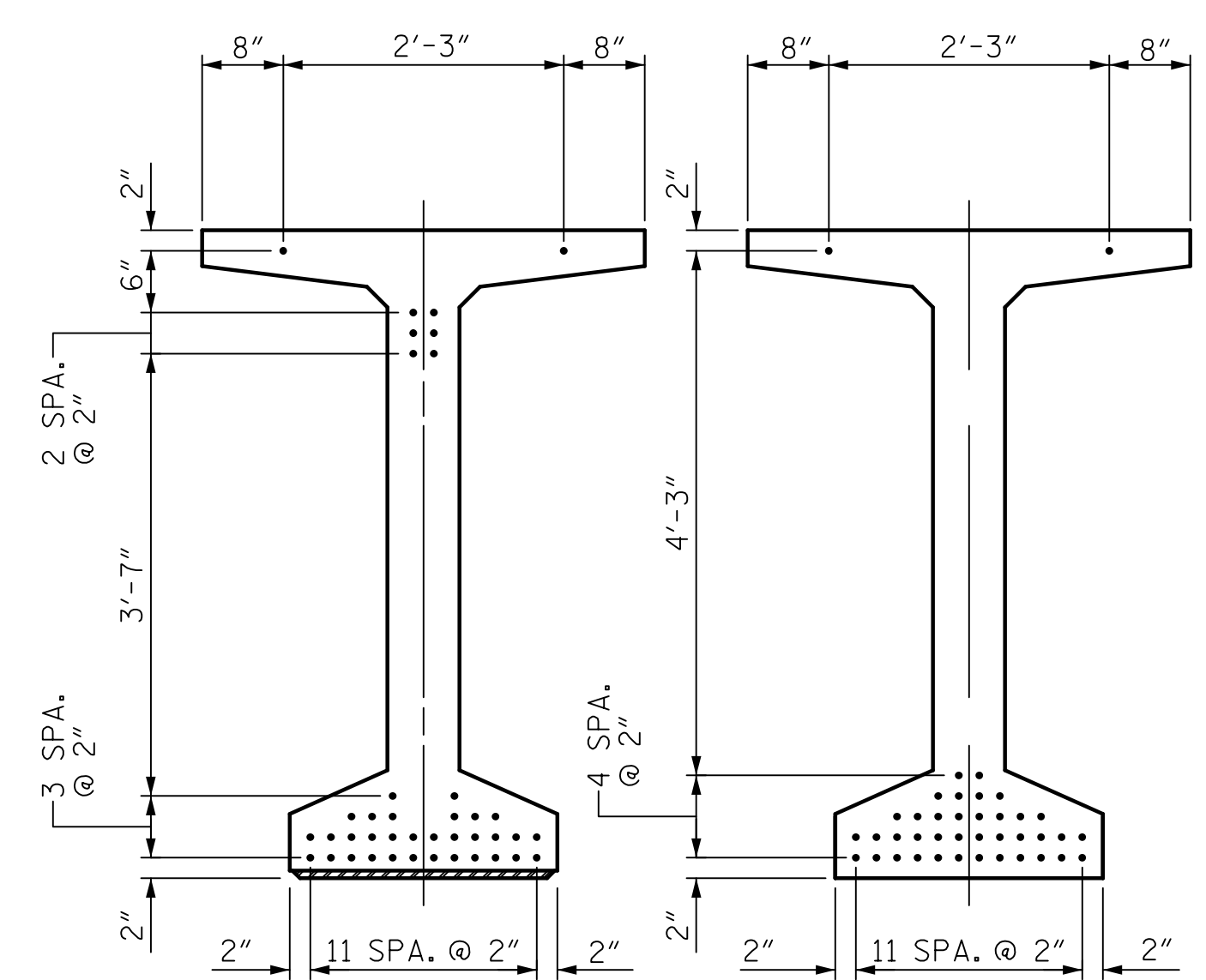


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TIME: 8:04:41 PM

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DGN: \\p001\Users\Projects\60557176 - B-5980\900\_CAD\GIS\900\_CAD\Y01\_MCDOT\_T1\Structures\04\_Drawings\400\_25\_S13\_B5980\_S13L\_P022.dgn



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



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

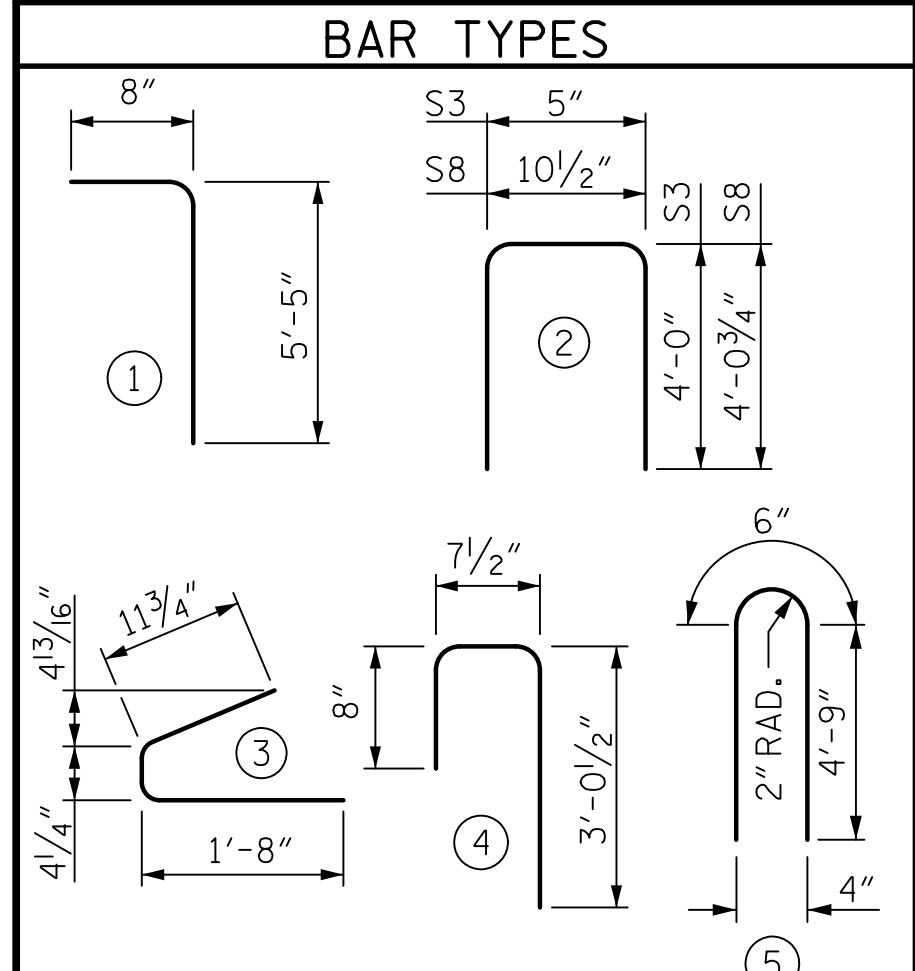
0.6" Ø L. R. GRADE 270 STRANDS

AREA (SQ. 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	196	#4	1	6'-1"	796
S2	36	#5	1	6'-1"	228
S3	12	#4	2	8'-5"	67
S4	76	#4	3	3'-0"	152
S6	232	#5	4	4'-4"	1049
*S7	30	#5	STR	3'-8"	115
S8	2	#5	2	9'-0"	19
S9	77	#5	STR	3'-3"	261
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.

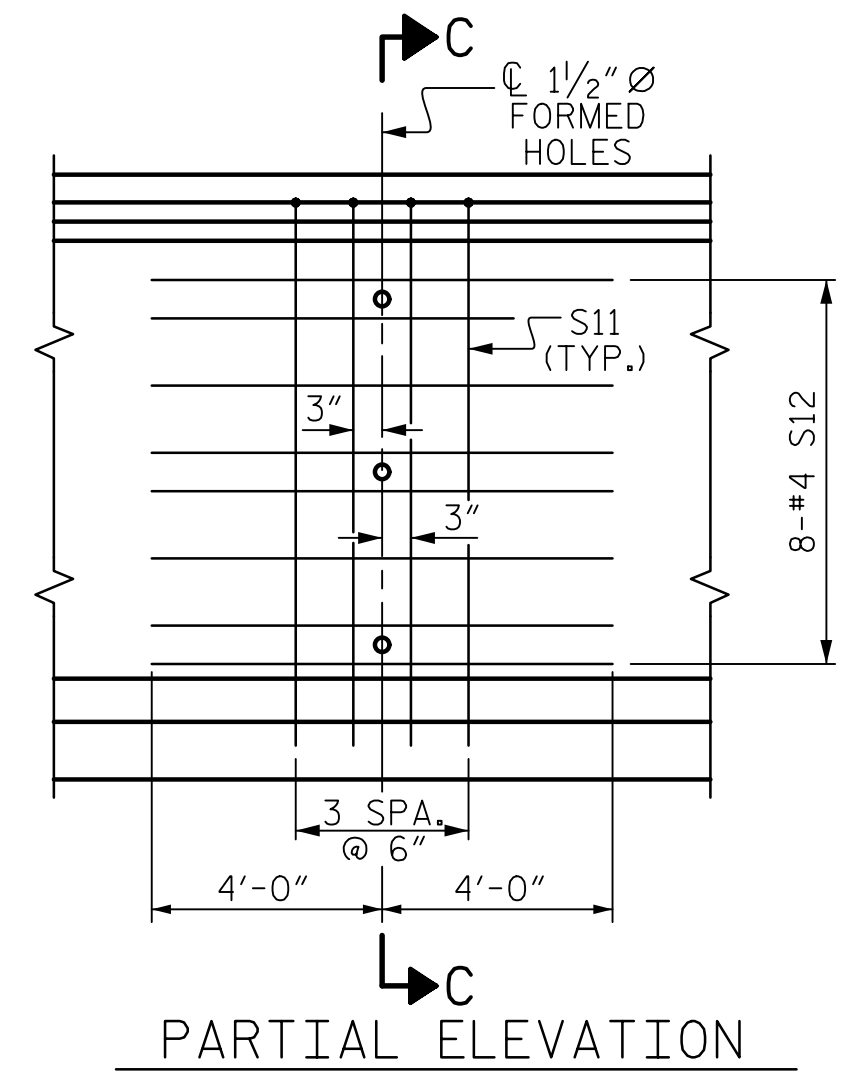
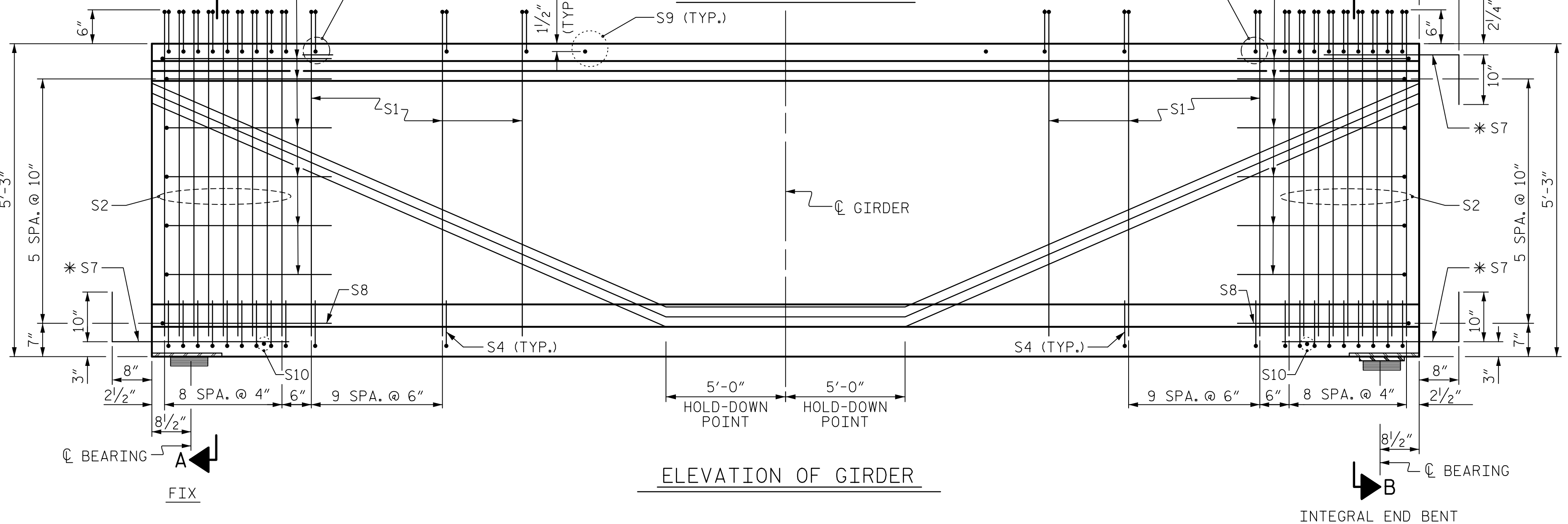
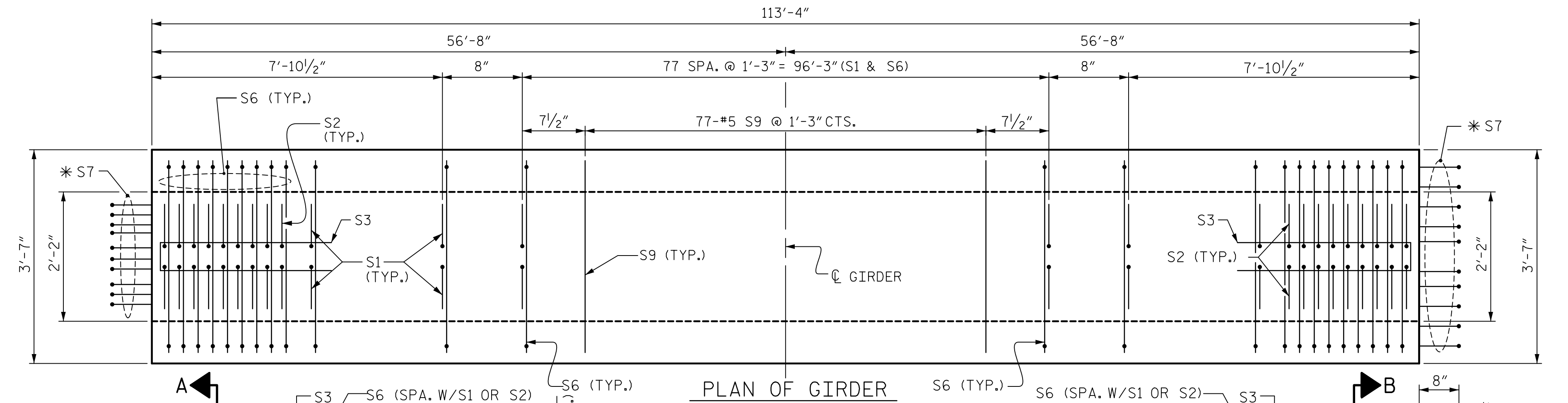


QUANTITIES FOR ONE GIRDER

	REINFORCING STEEL (LB.)	9000 PSI CONCRETE (C.Y.)	0.6" Ø L.R. STRANDS (No.)
GDR'S B1-B5	2857	22.4	40

GIRDERS REQUIRED

NUMBER	LENGTH	TOTAL LENGTH
5	113'-4"	566'-8"



PROJECT NO. B-5980  
NASH COUNTY  
STATION: 42+56.82 -Y1-  
SHEET 2 OF 5

**AECOM**  
AECOM TECHNICAL SERVICES OF NC, INC.  
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6/21/2019  
NORTH CAROLINA PROFESSIONAL ENGINEER  
SEAL 030474  
JOHN C. MORRISON

STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH

SUPERSTRUCTURE

63" PRESTRESSED CONCRETE MODIFIED BULB TEE CONTINUOUS FOR LIVE LOAD SPAN B

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

SHEET NO. S-13  
TOTAL SHEETS 33

ASSEMBLED BY: T.B. STUMP DATE: 2/2019  
CHECKED BY: J.C. MORRISON DATE: 2/2019  
DRAWN BY: EEM 2/6/97 REV. 6/13 MAA/GM  
CHECKED BY: VAP 2/6/97 REV. 1/15 MAA/TMG  
REV. 12/17 MAA/THC

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED