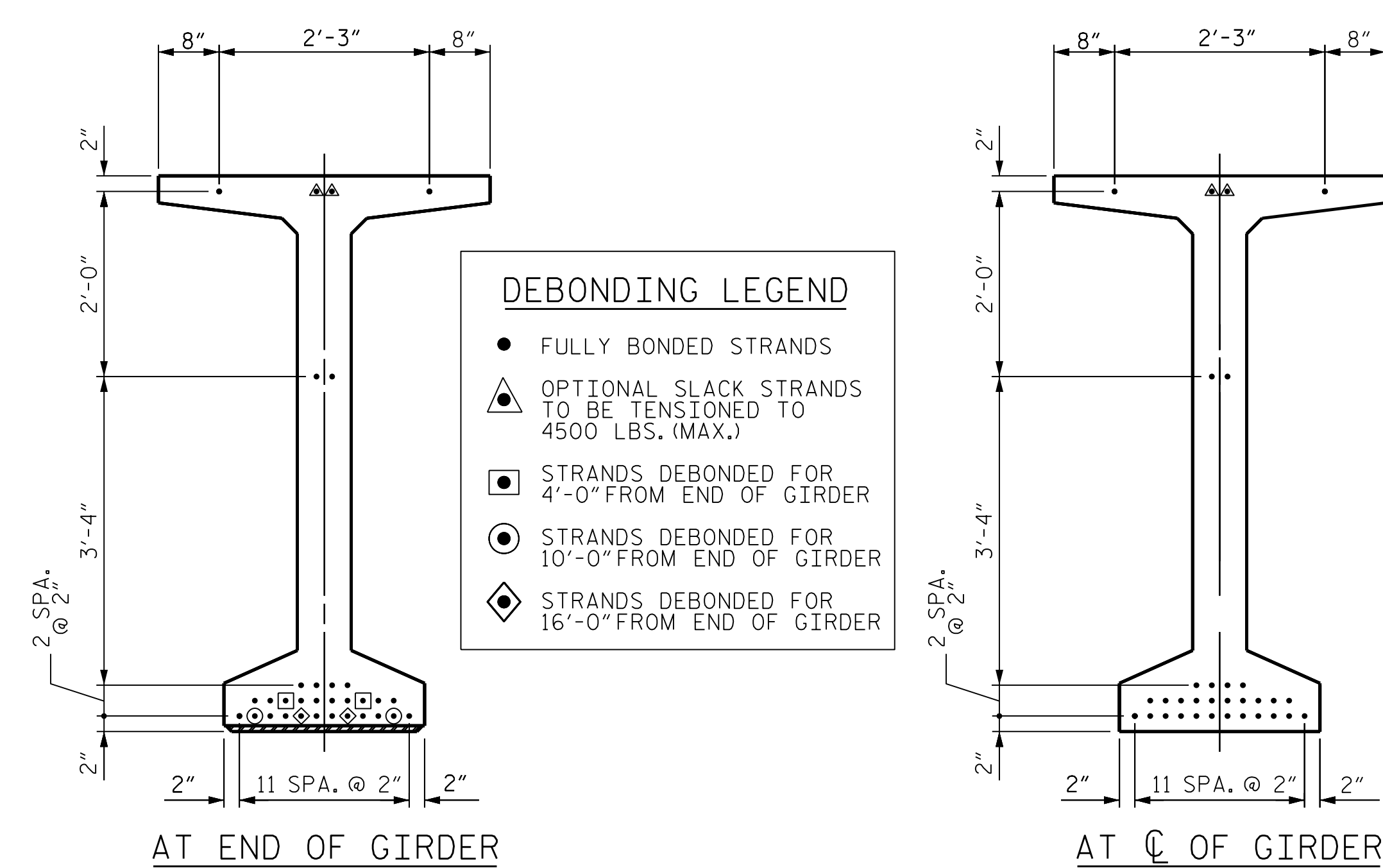


GIRDER OUTSIDE DIMENSIONS

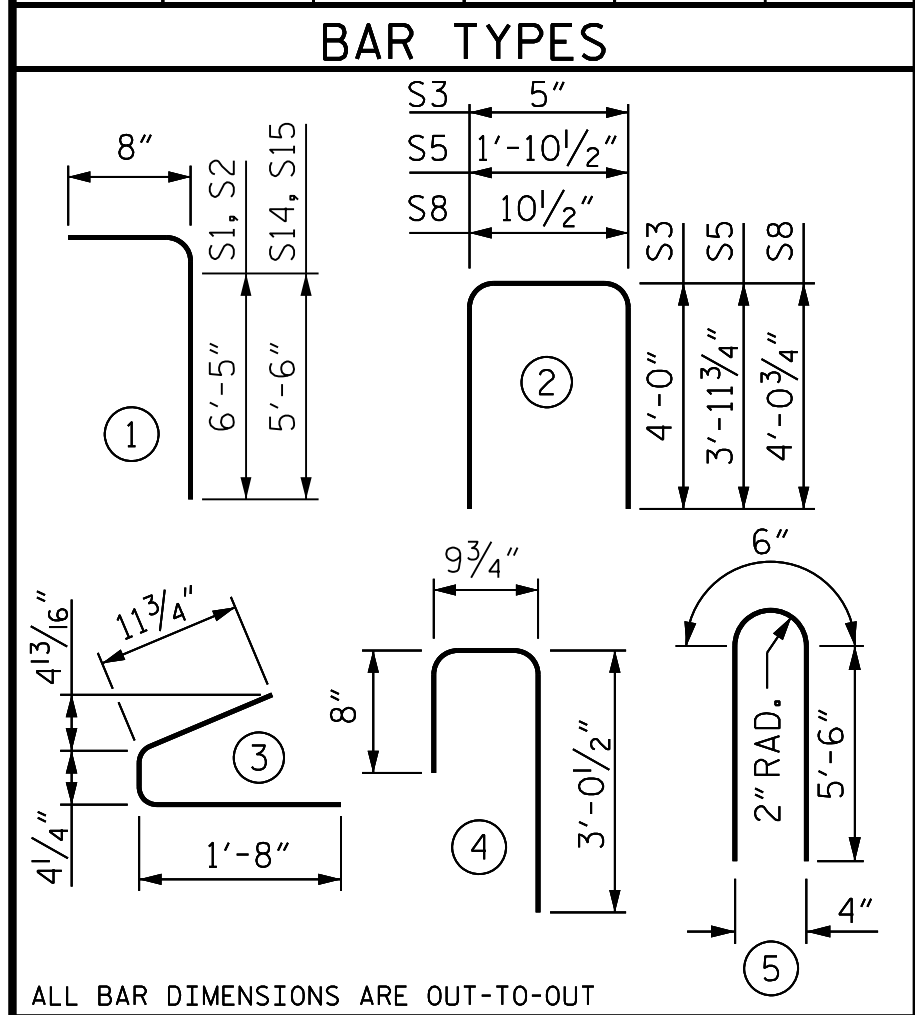


0.6" Ø LOW RELAXATION STRAND LAYOUT

**NOTES**  
 FOR LOCATION OF 1/2" Ø FORMED HOLES, SEE "SUPERSTRUCTURE PRESTRESSED CONCRETE GIRDER FOR LINK SLAB DETAILS" SHEET 4 OF 4.  
 FOR SECTIONS A-A, B-B, C-C & D-D, SEE SHEET 3 OF 4.

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	144	#4	1	7'-1"	682	
S2	18	#6	1	7'-1"	192	
S3	14	#4	2	8'-5"	79	
S4	88	#4	3	3'-0"	177	
S5	2	#5	2	9'-10"	21	
S6	162	#5	4	4'-7"	775	
S8	2	#5	2	9'-0"	19	
S9	64	#5	STR	3'-3"	217	
EXTERIOR GDR.	S11	4	#5	5	11'-6"	48
INTERIOR GDR.	S11	8	#5	5	11'-6"	96
EXTERIOR GDR.	S12	8	#4	STR	8'-0"	43
INTERIOR GDR.	S13	8	#4	STR	13'-6"	73
S14	18	#4	1	6'-2"	75	
S15	18	#6	1	6'-2"	167	



ALL BAR DIMENSIONS ARE OUT-TO-OUT

QUANTITIES FOR ONE GIRDER			
	REINFORCING STEEL	6000 PSI CONCRETE	0.6" Ø L.R. STRANDS
	LB.	C.Y.	No.
EXTERIOR GIRDER	2495	20.9	30
INTERIOR GIRDER	2573	20.9	30

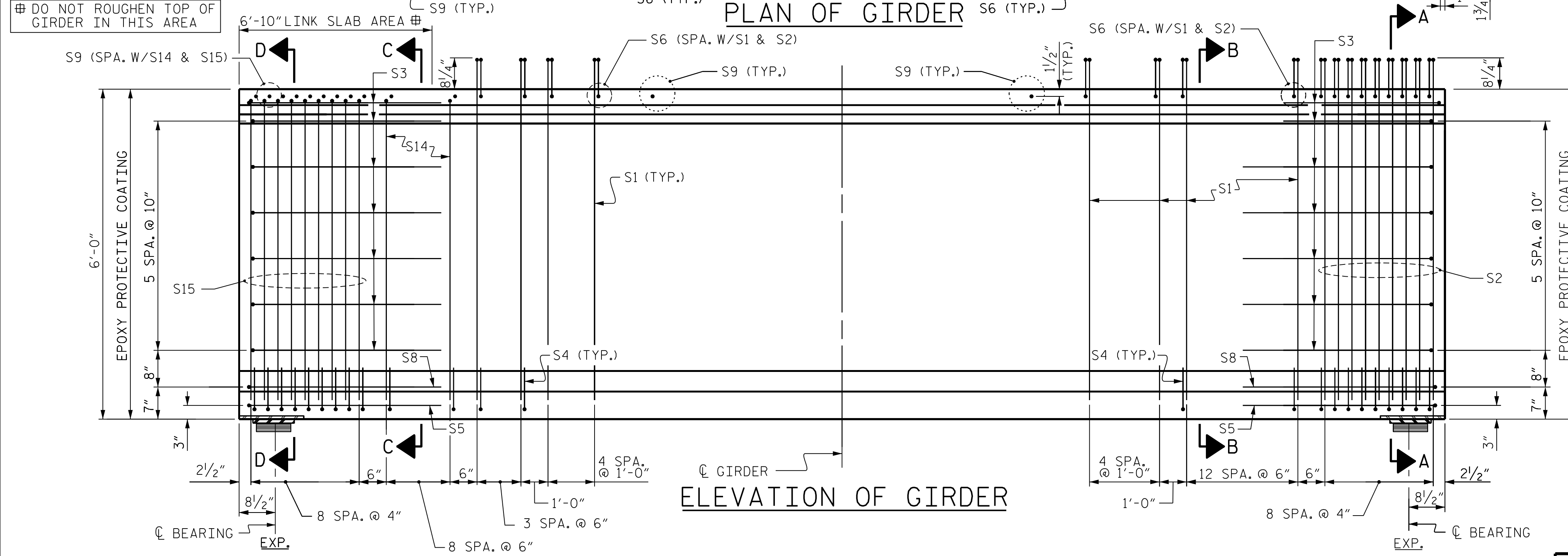
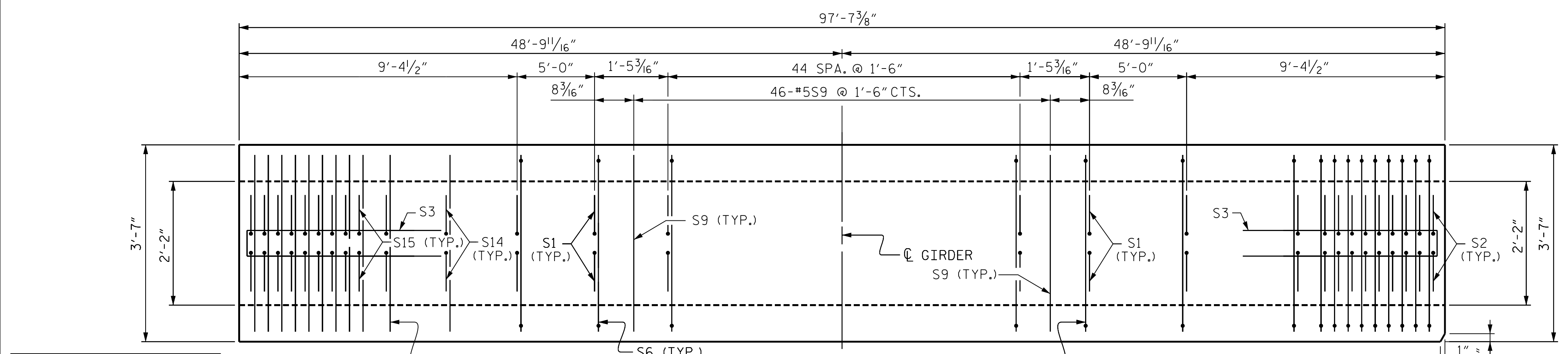
GIRDERS REQUIRED		
NUMBER	LENGTH	TOTAL LENGTH
13	97'-7 3/8"	1268'-11 7/8"

PROJECT NO. B-3186/B-5898  
HAYWOOD COUNTY  
 STATION: 42+71.13 -L-  
 SHEET 2 OF 4

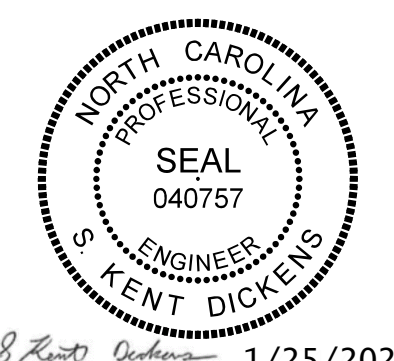
STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH  
**SUPERSTRUCTURE**  
 72" PRESTRESSED CONCRETE  
 MODIFIED BULB TEE  
 FOR LINK SLAB  
 SPAN B

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

SHEET NO.	TOTAL SHEETS
501-22	59



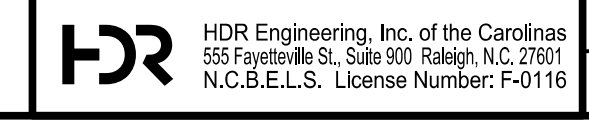
FOR LOCATION OF 1/2" Ø FORMED HOLES, SEE "SUPERSTRUCTURE PRESTRESSED CONCRETE GIRDER FOR LINK SLAB DETAILS" SHEET



1/25/2022

PLOT DRIVER: NCDOT STRUCTURES DEFAULT PLOTTER.plt PENTABLE: NCDOT STRUCTURES DEFAULT PEN.tbl  
 USER: PETERSO DATE: 1/25/2022 TIME: 8:29:07 AM  
 FILE: ... \401.105.B598983186.SMU.G1.022\_430168.dgn

DES BY: B. ROGERS	DATE: 05/21	DWG BY: D. CARTER	DATE: 05/21
DES CHK: K. DICKENS	DATE: 05/21	CHK BY: B. ROGERS	DATE: 07/21



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED