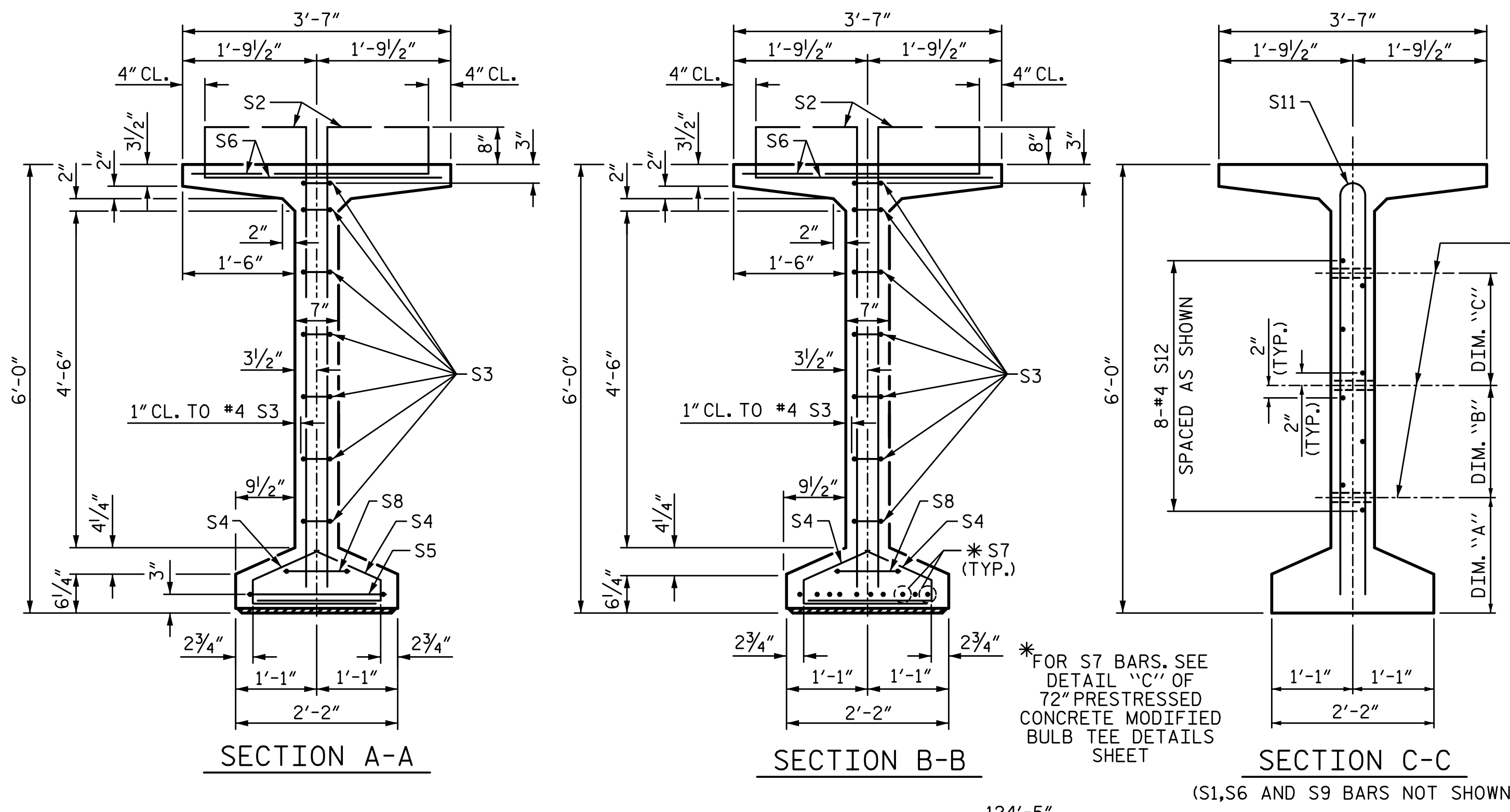
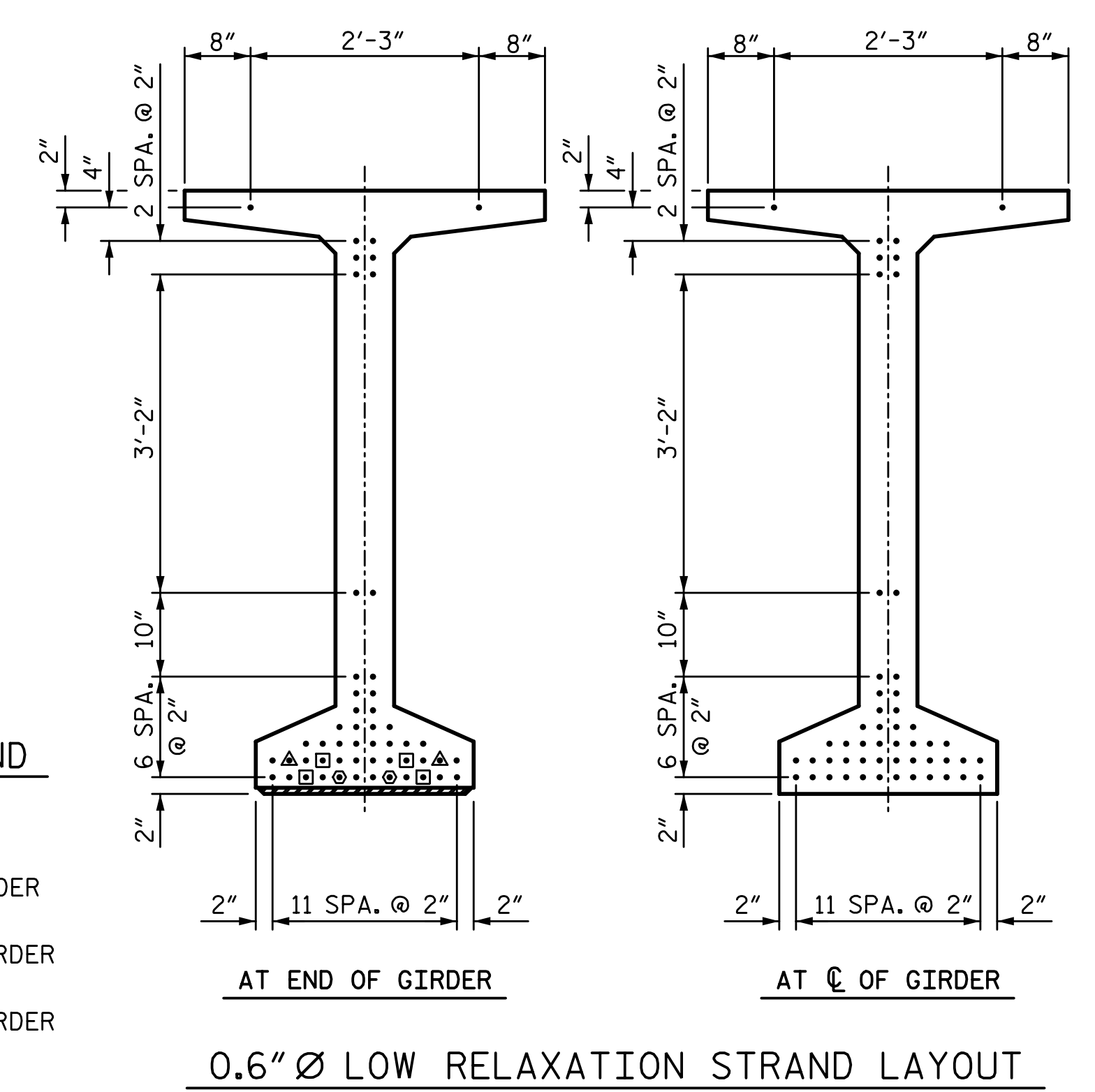


8/25/2022 2:04:56 PM P:\Rail\Projects\2015\Y-4810K (NCDOT Rail)\Div\Structures\Drawings\Final\Y4810K\_SMU\_PCG.dgn



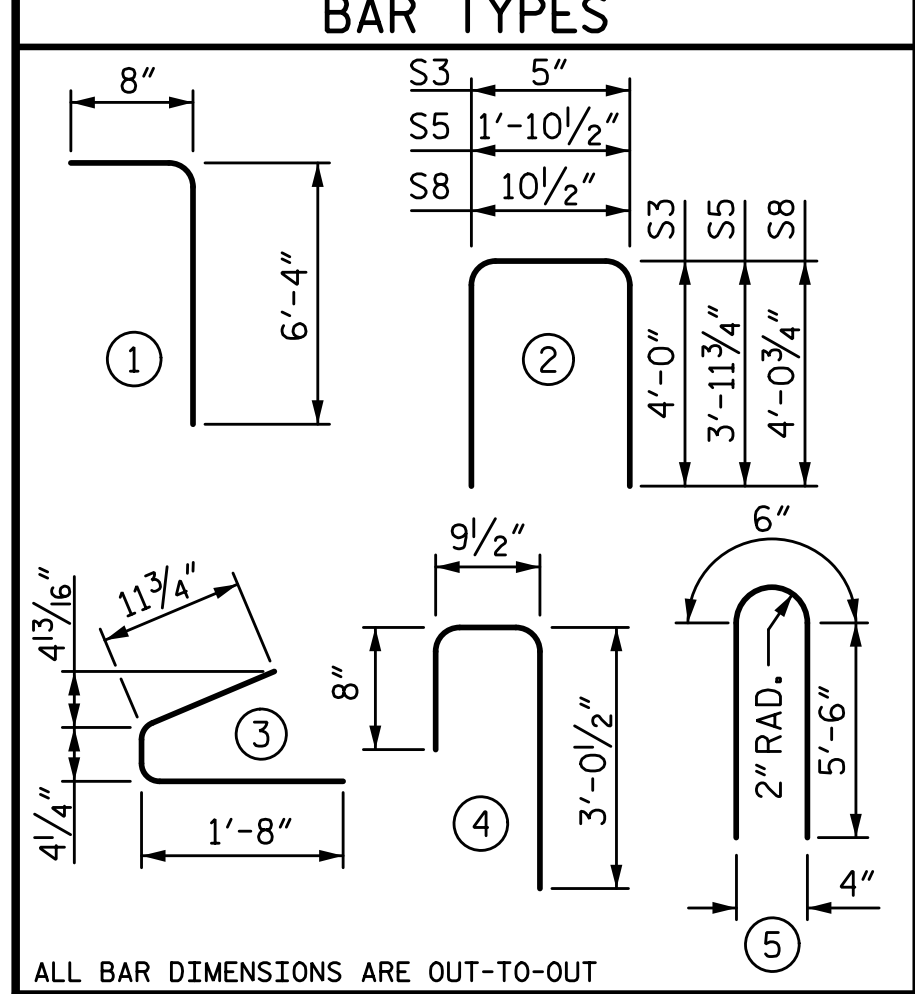
- DEBONDING LEGEND**
- FULLY BONDED STRAND
  - ▲ STRAND DEBONDED FOR 8'-0" FROM END OF GIRDER
  - ◻ STRAND DEBONDED FOR 23'-0" FROM END OF GIRDER
  - ⊙ STRAND DEBONDED FOR 35'-0" FROM END OF GIRDER



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	200	#4	1	7'-0"	935
S2	24	#5	1	7'-0"	175
S3	14	#4	2	8'-5"	79
S4	84	#4	3	3'-0"	168
S5	1	#5	2	9'-10"	10
S6	224	#5	4	4'-6"	1051
*S7	10	#5	STR	3'-8"	38
S8	2	#5	2	9'-0"	19
S9	69	#5	STR	3'-3"	234
S10	1	#3	STR	1'-10"	1
S11	8	#5	5	11'-6"	96
S12	16	#4	STR	8'-0"	86

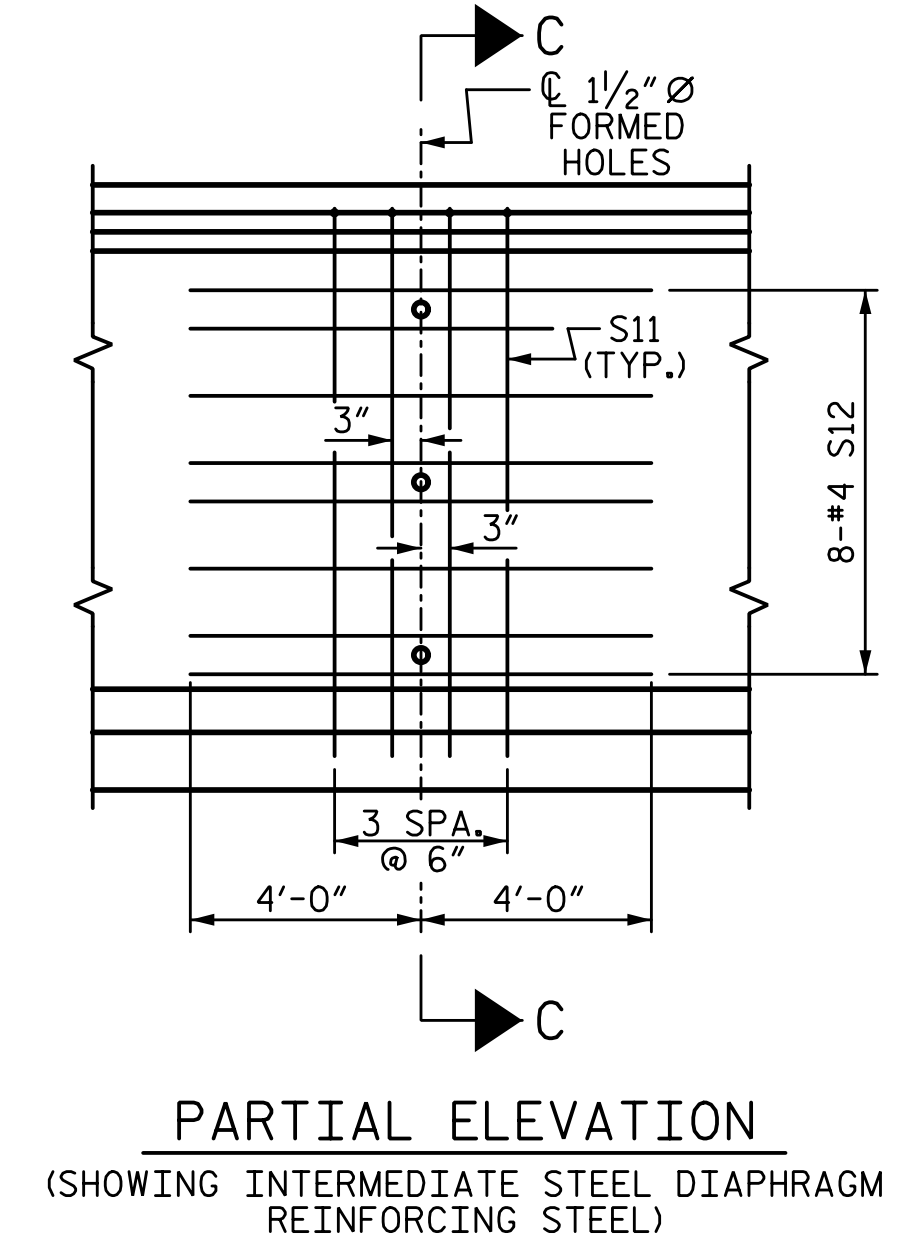
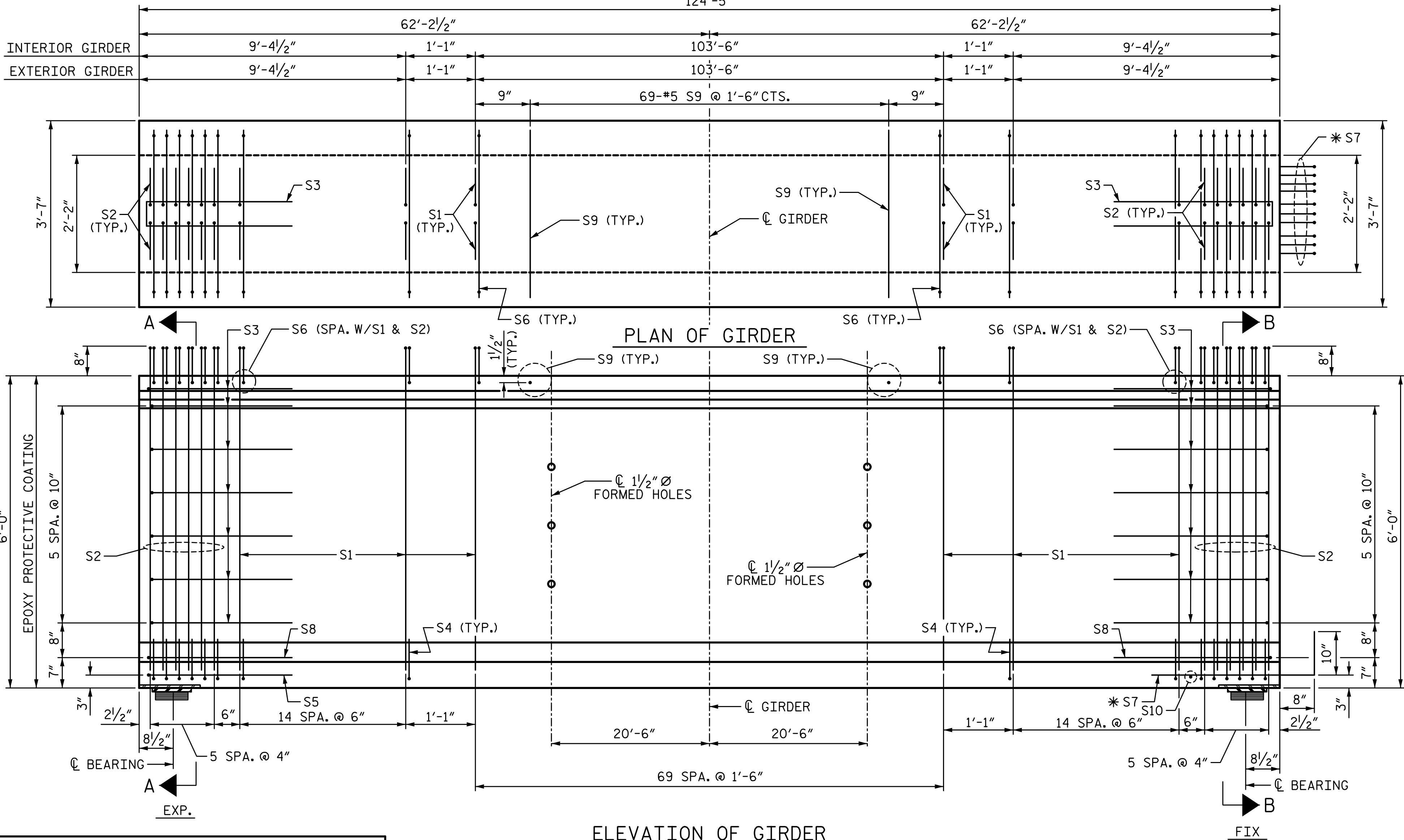
\* NOTE: S7 BARS SHALL BE BENT BEFORE SHIPMENT. HEAT BENDING SHALL NOT BE ALLOWED.



QUANTITIES FOR ONE GIRDER			
	REINFORCING STEEL	9000 PSI CONCRETE	0.6" Ø L.R. STRANDS
	LB.	C.Y.	No.
ALL GIRDERS	2892	26.7	52

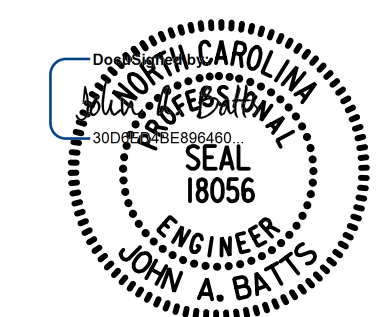
  

GIRDERS REQUIRED		
NUMBER	LENGTH	TOTAL LENGTH
10	124'-5"	1244'-2"



PROJECT NO. Y-4810K  
CABARRUS COUNTY  
 STATION: 31+94.08 -L-

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH  
 SUPERSTRUCTURE  
 72" PRESTRESSED CONCRETE  
 MODIFIED BULB TEE  
 CONTINUOUS FOR LIVE LOAD  
 SPANS B & C



DRAWN BY: S.D. COOPER DATE: 2-19  
 CHECKED BY: J. A. BATTS DATE: 2-19  
 DESIGN ENGINEER OF RECORD: J. A. BATTS DATE: 2-19

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

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED