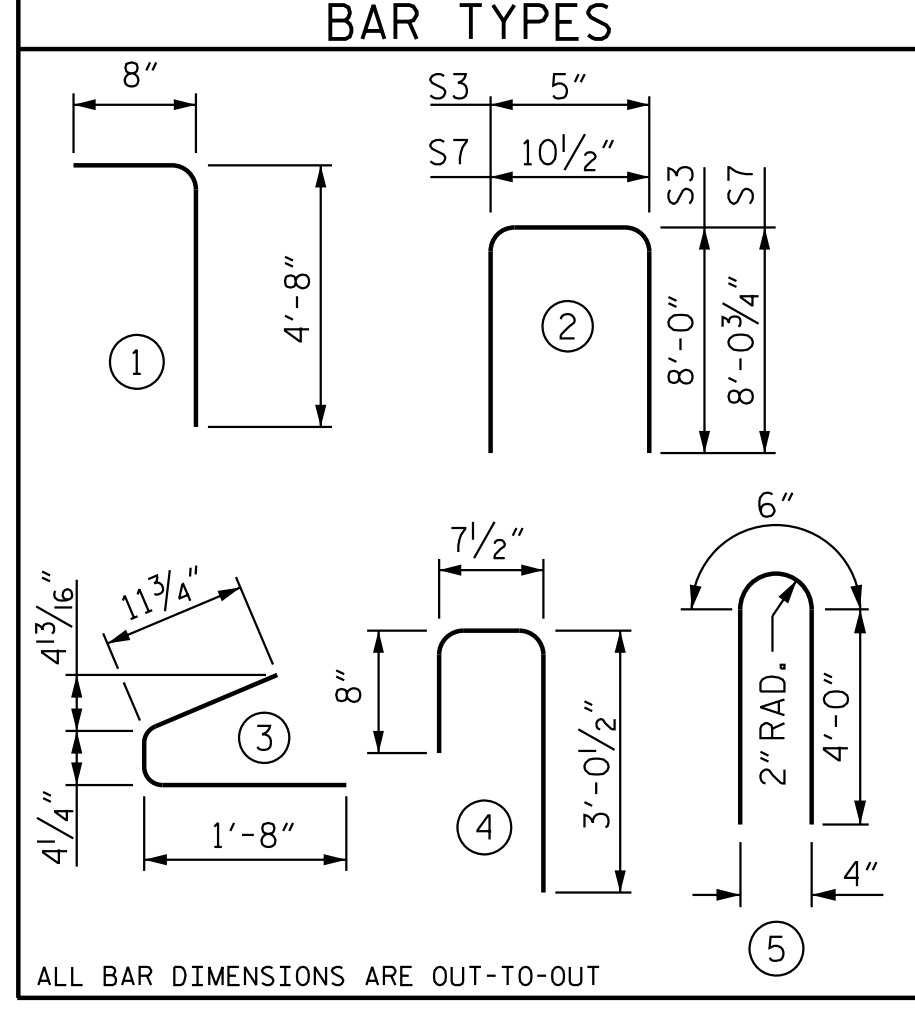


0.6" $\bar{O}$ L. R. GRADE 270 STRANDS		
AREA (SQUARE INCHES)	ULTIMATE STRENGTH (LBS. PER STRAND)	APPLIED PRESTRESS (LBS. PER STRAND)
0.217	58,600	43,950

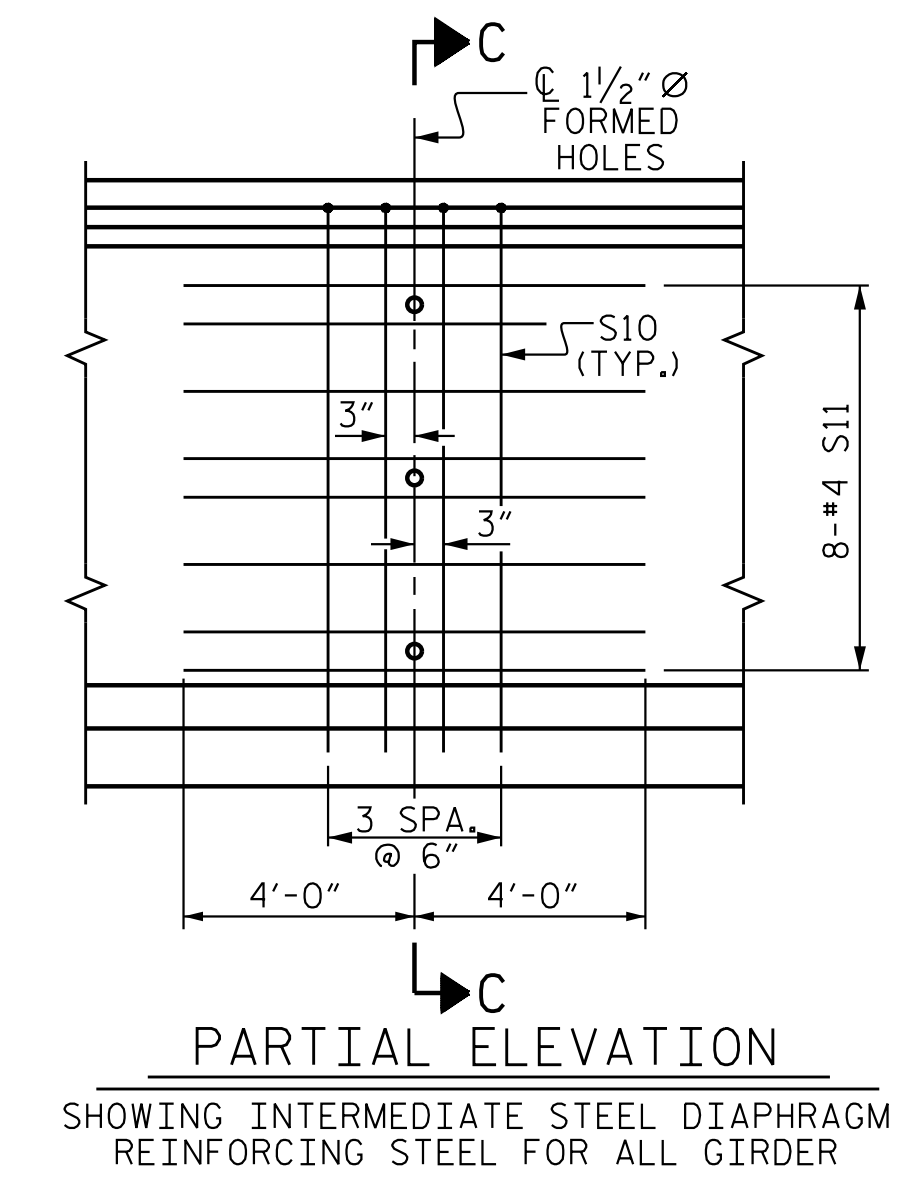
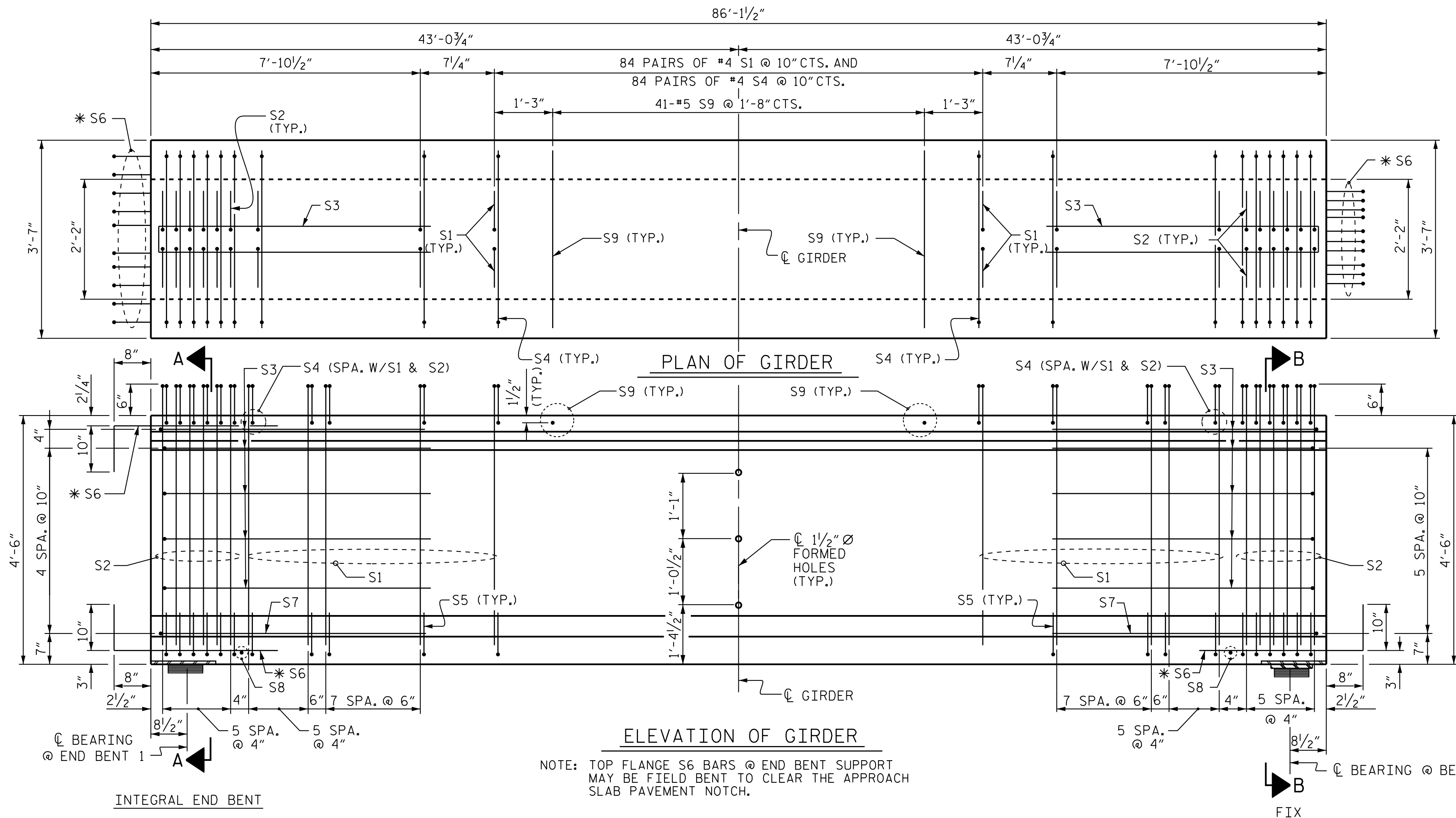
REINFORCING STEEL FOR ONE GDR					
BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT
S1	224	#4	1	5'-4"	799
S2	24	#6	1	5'-4"	193
S3	10	#4	2	16'-5"	110
S4	248	#4	4	4'-4"	718
S5	80	#4	3	3'-0"	161
*S6	30	#5	STR	3'-8"	115
S7	2	#5	2	17'-0"	36
S8	2	#3	STR	1'-10"	2
S9	41	#5	STR	3'-3"	139
S10	4	#5	5	8'-6"	36
S11	8	#4	STR	8'-0"	43

\* NOTE: S6 BARS SHALL BE BENT BEFORE SHIPMENT. HEAT BENDING SHALL NOT BE ALLOWED.



QUANTITIES FOR ONE GIRDER		
REINFORCING STEEL	9000 PSI CONCRETE	0.6" $\bar{O}$ L.R. STRANDS
LB.	C.Y.	No.
2352	15.7	34

GIRDERS REQUIRED		
NUMBER	LENGTH	TOTAL LENGTH
4	86'-1 1/2"	344'-6"

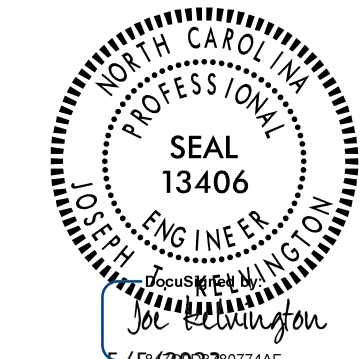


PROJECT NO. R-2707E  
 CLEVELAND COUNTY  
 STATION: 13+08.49 -Y42-

SHEET 1 OF 4

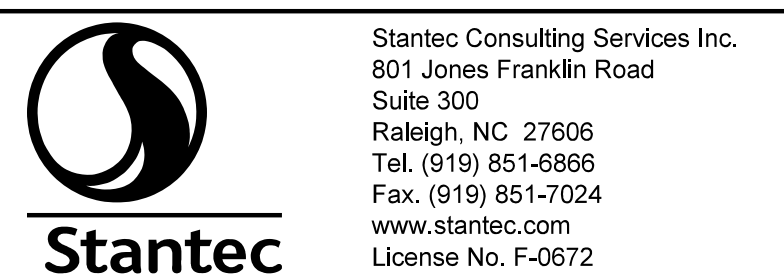
STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH  
 SUPERSTRUCTURE  
 MODIFIED 54" PRESTRESSED  
 CONCRETE GIRDER  
 CONTINUOUS FOR LIVE LOAD

SPAN A



REVISIONS						SHEET NO. S7-13
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			TOTAL SHEETS 34
2			4			

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



DRAWN BY: J. B. GEILE DATE: 12/07/18  
 CHECKED BY: A. L. BOYKIN DATE: 02/17/23  
 DESIGN ENGINEER OF RECORD: J. T. KELVINGTON DATE: 05/05/23

5/5/2023 12:46:56 PM jgelle  
 C:\Users\jgelle\documents\p\_wor\king\mms5559\R2707E.SMU.LOJ.220494.dgn.DGN