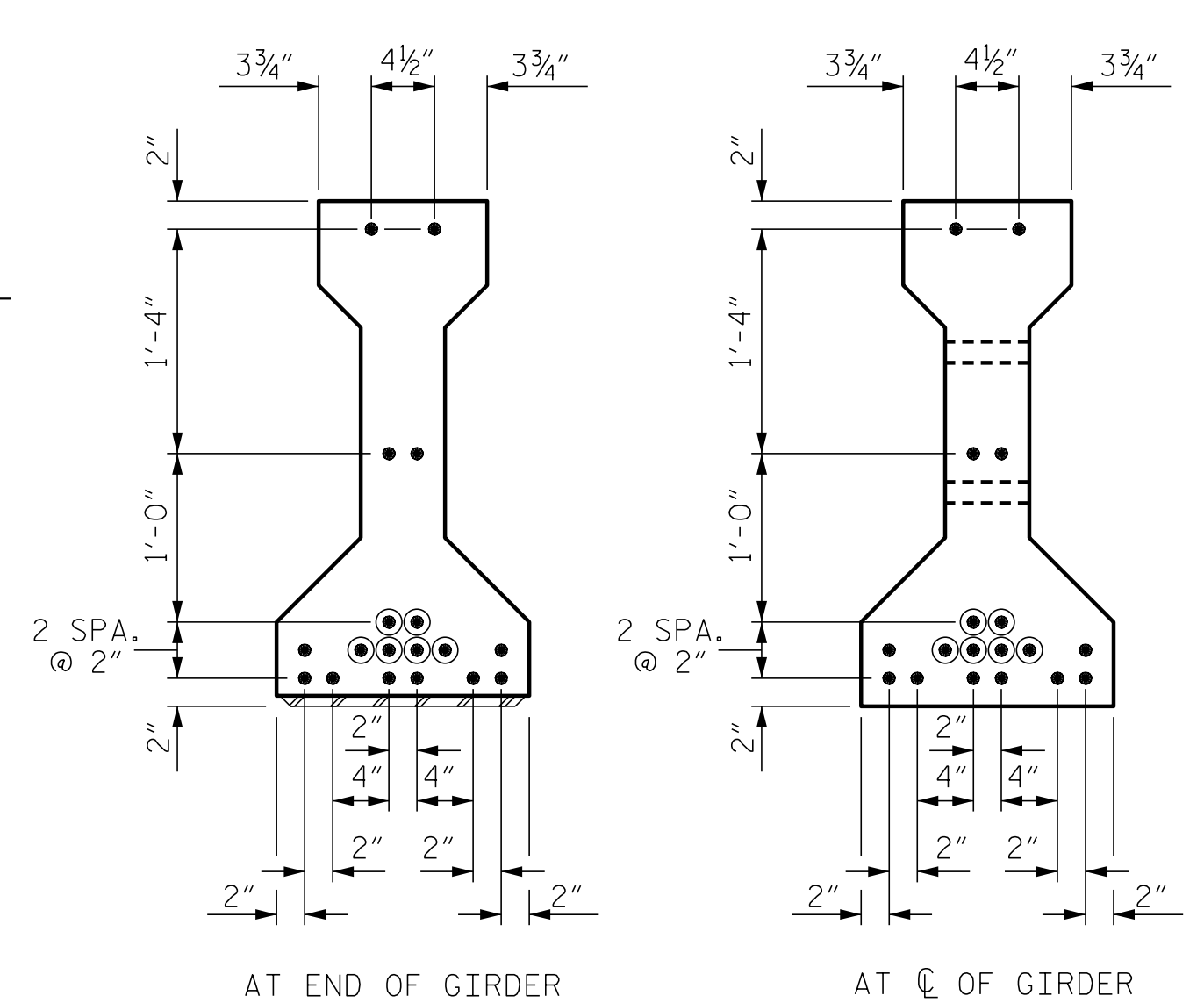
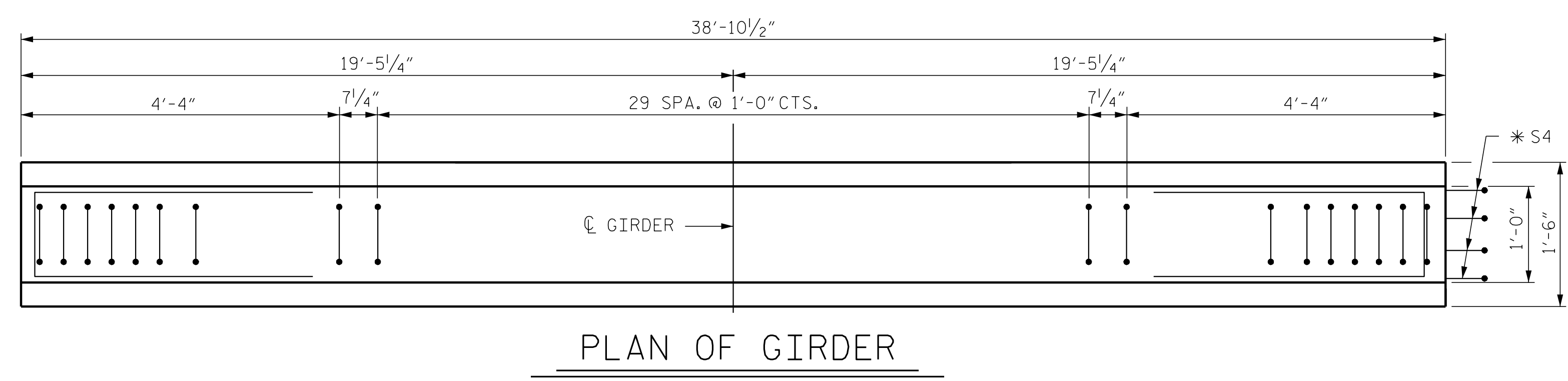


DEBONDING LEGEND

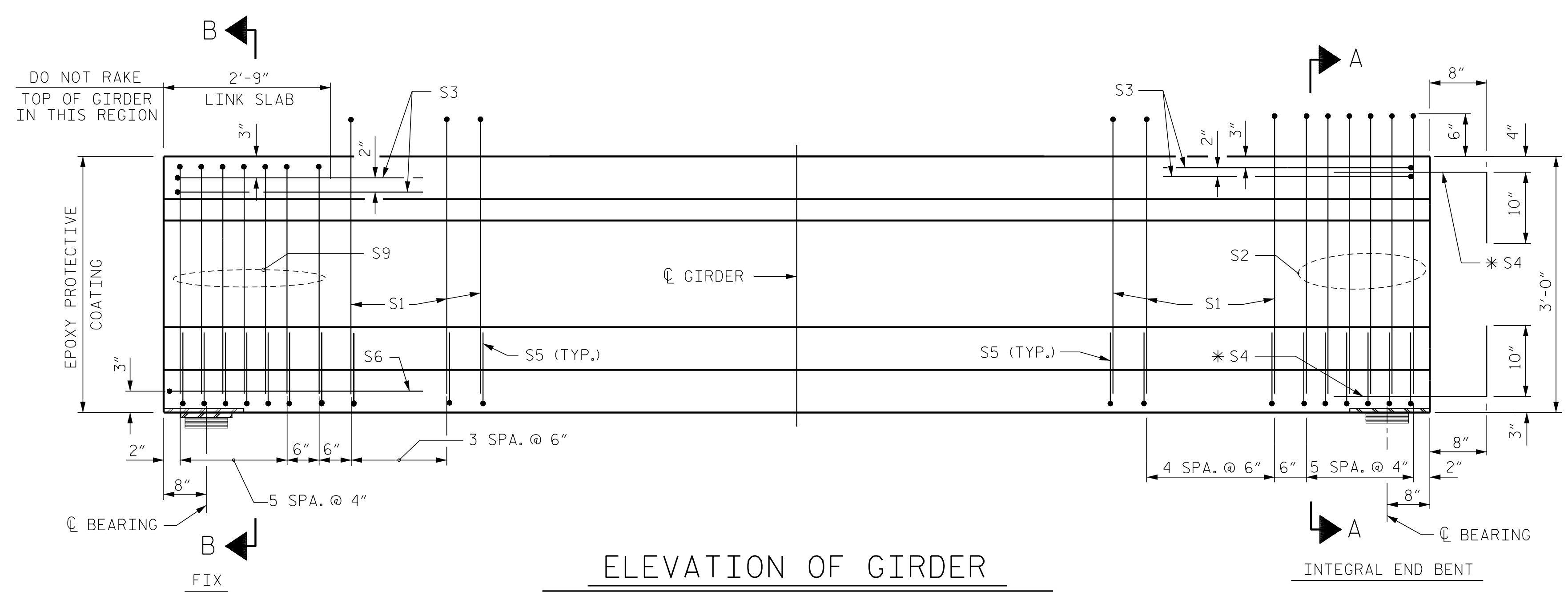
- FULLY BONDED STRANDS
- ⊙ OPTIONAL FULLY DEBONDED STRANDS



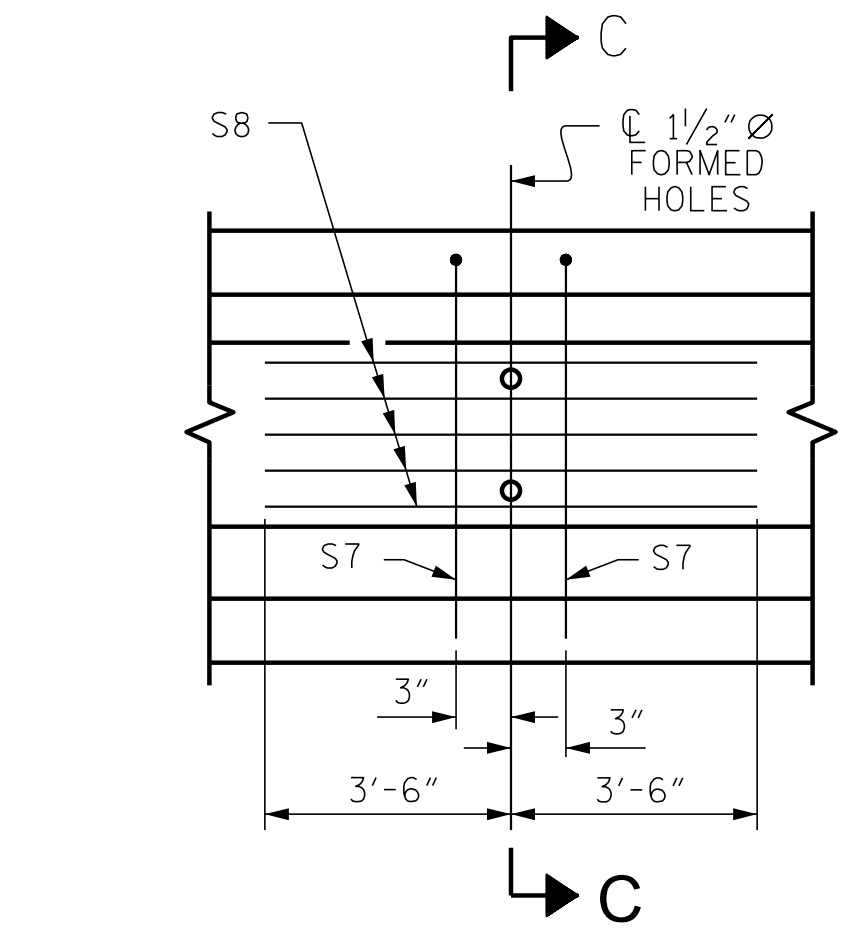
0.6" Ø LOW RELAXATION STRAND LAYOUT



PLAN OF GIRDER



ELEVATION OF GIRDER
 (SEE PARTIAL ELEVATION FOR ADDITIONAL "S" BARS)



PARTIAL ELEVATION

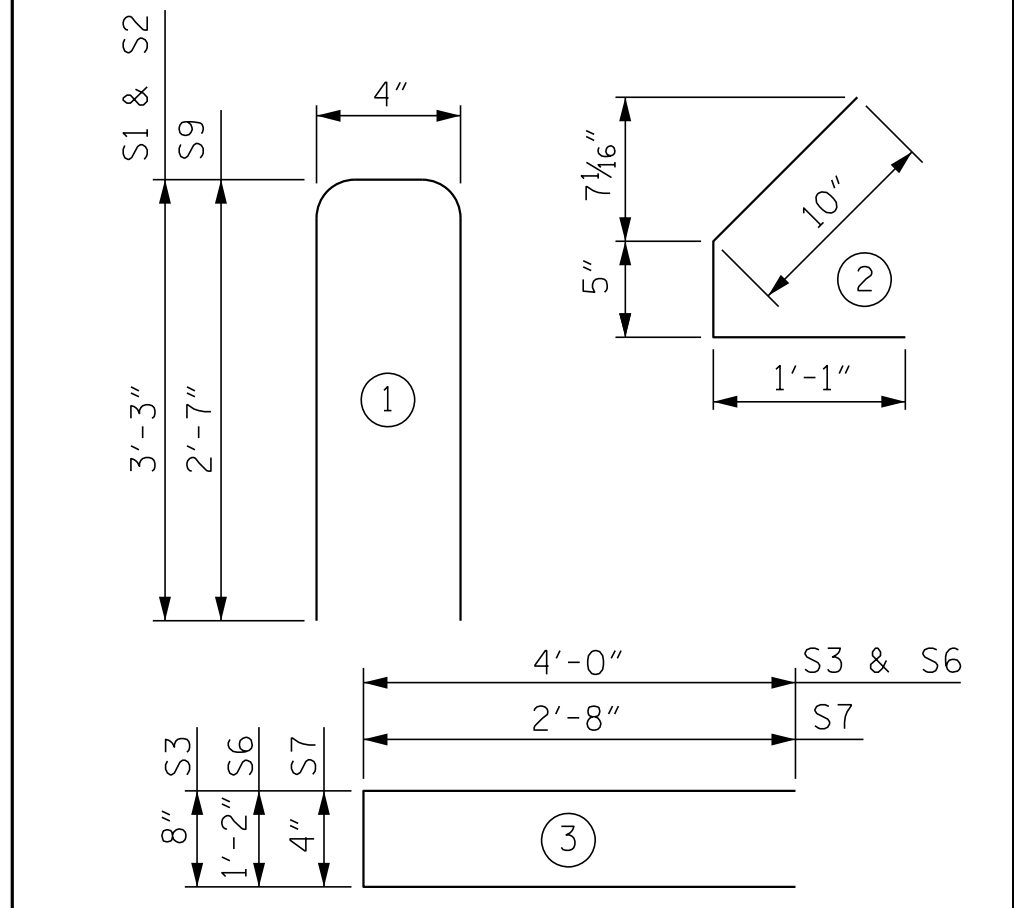
SHOWING INTERMEDIATE DIAPHRAGM REINFORCING STEEL FOR GIRDERS

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	39	#4	1	6'-10"	178
S2	6	#5	1	6'-10"	43
S3	4	#4	3	8'-8"	23
*S4	8	#5	STR	3'-8"	31
S5	48	#4	2	2'-4"	75
S6	1	#4	3	9'-2"	6
S7	2	#5	3	5'-8"	12
S8	5	#4	STR	7'-0"	23
S9	7	#5	1	5'-6"	40

* NOTE: S4 BARS SHALL BE BENT BEFORE SHIPMENT. HEAT BENDING SHALL NOT BE ALLOWED. SEE DETAIL "A" ON "PRESTRESSED CONCRETE GIRDER CONTINUOUS FOR LIVE LOAD DETAILS" SHEET FOR LOCATION.

BAR TYPES

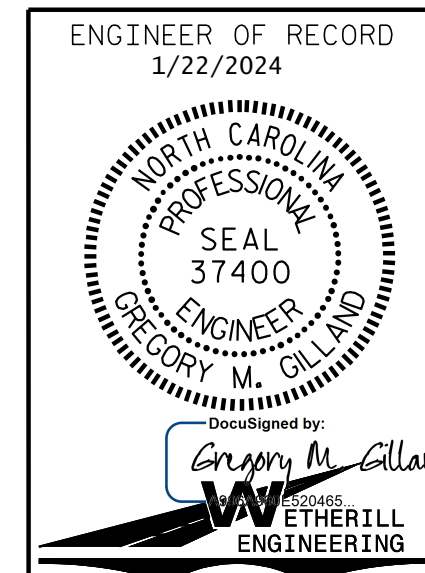


ALL BAR DIMENSIONS ARE OUT-TO-OUT

QUANTITIES FOR ONE GIRDER			
	REINFORCING STEEL	5000 PSI CONCRETE	0.6"Ø L.R. STRANDS
	LB.	C.Y.	No.
GIRDER	431	3.7	12

GIRDERS REQUIRED		
NUMBER	LENGTH	TOTAL LENGTH
5	38'-10 1/2"	194.38

PROJECT NO. BR-0062
ANSON COUNTY
 STATION: 18+07.50 -L-
 SHEET 3 OF 5



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
STANDARD AASHTO TYPE II PRESTRESSED CONCRETE GIRDER - LINK SLAB SPAN C

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

SHEET NO.	
S-17	TOTAL SHEETS 35

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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 LICENSE NO. F-0377

P:\2020\20130.01_BR-0062\Structures\DCM\BR-0062_SD_PCG_0300 14.dgn
 1/19/2024 9:25:15 AM

ASSEMBLED BY : D. HODGE	DATE : 5/23
CHECKED BY : G. GILLAND	DATE : 7/23
DRAWN BY : BNB 09/21	
CHECKED BY : AAI 09/21	