

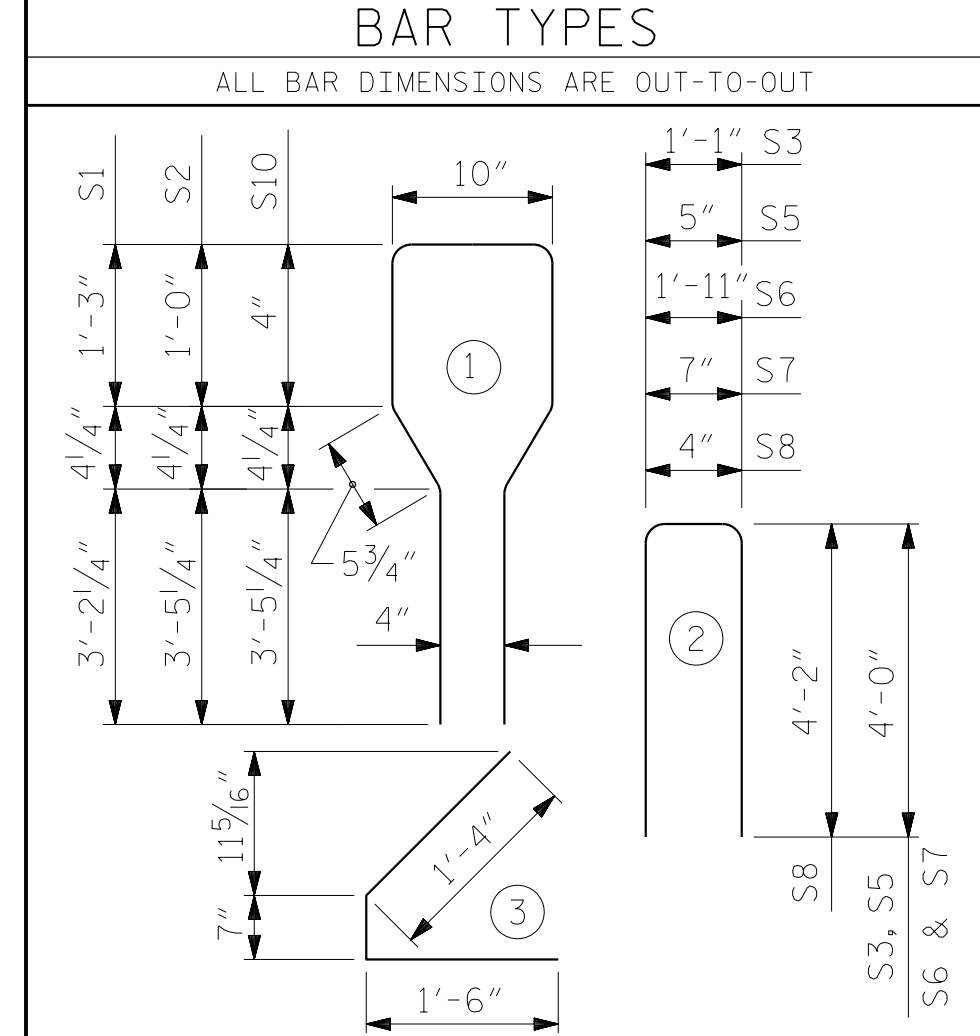
- DEBONDING LEGEND**
- FULLY BONDED STRANDS
 - ▲ STRANDS DEBONDED FOR 5'-0" FROM END OF GIRDER
 - STRANDS DEBONDED FOR 7'-0" FROM END OF GIRDER
 - STRANDS DEBONDED FOR 9'-0" FROM END OF GIRDER

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 GIRDER

BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT
S1	113	#4	1	10'-8"	805
S2	16	#6	1	10'-8"	256
S3	4	#4	2	9'-1"	24
S4	84	#4	3	3'-5"	192
S5	6	#4	2	8'-5"	34
S6	2	#4	2	9'-11"	13
S7	4	#4	2	8'-7"	23
S8	2	#5	2	8'-8"	18
S9	5	#4	STR.	7'-0"	23
S10	16	#6	1	9'-4"	224

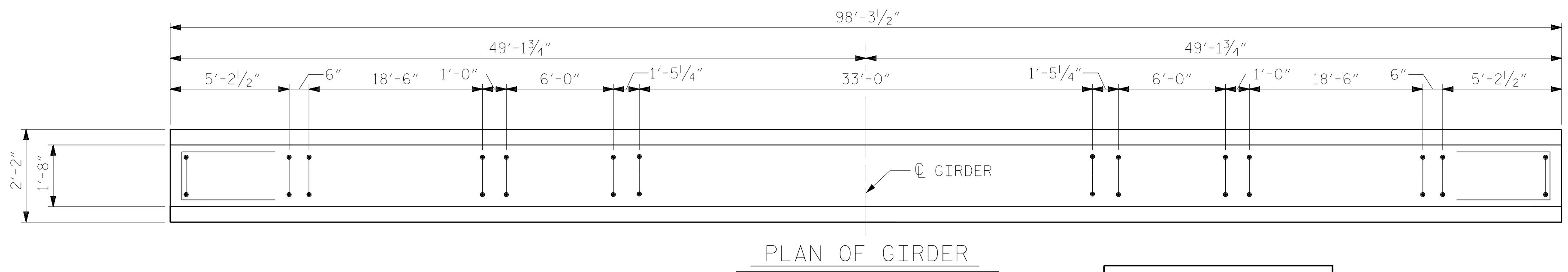


QUANTITIES FOR ONE GIRDER

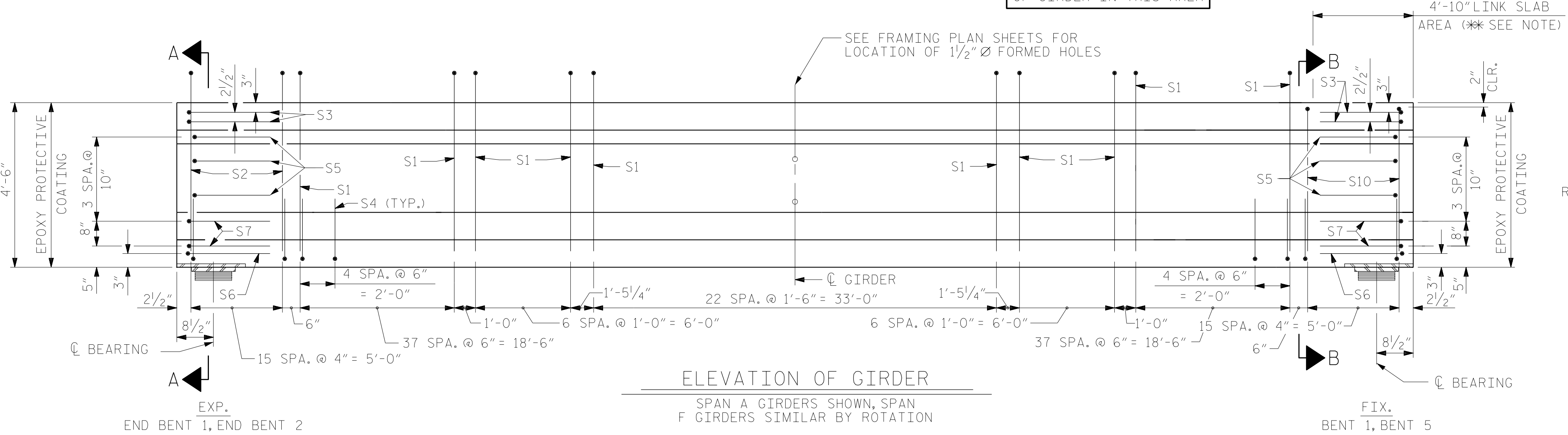
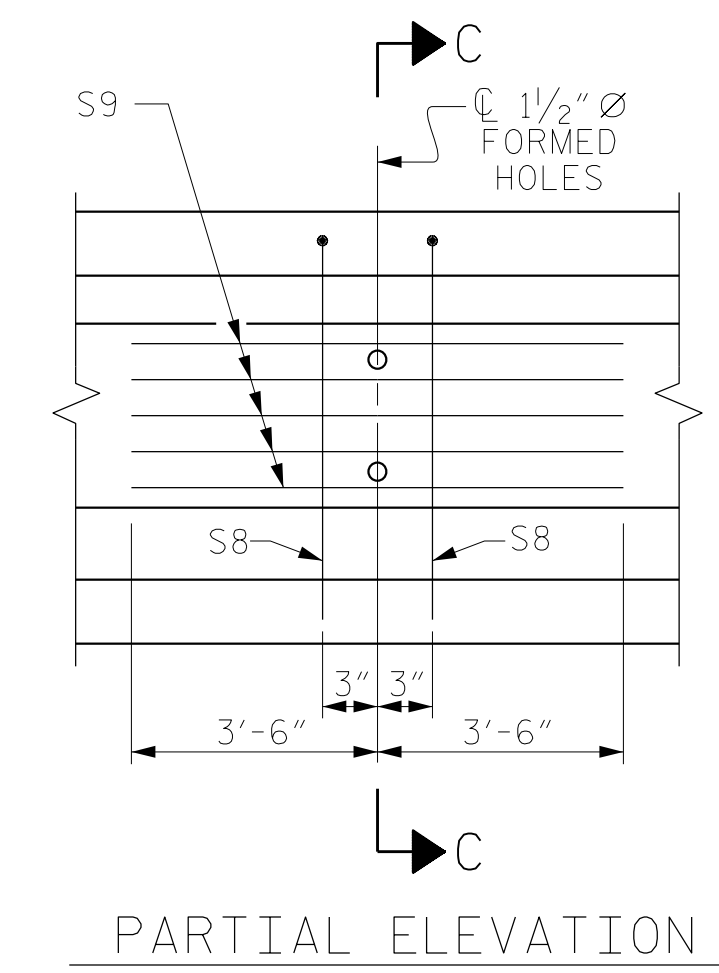
SPAN	REINFORCING STEEL	8000 PSI CONCRETE	0.6" Ø L. R. STRANDS
	LB.	C.Y.	No.
SPAN A & F	1,612	20.0	36

GIRDERS REQUIRED

NUMBER	LENGTH	TOTAL LENGTH
8	98'-3 1/2"	786'-4"



**** DO NOT RAKE TOP OF GIRDER IN THIS AREA**



PROJECT NO. B-4484
 CRAVEN COUNTY
 STATION: 25+06.00 -L1-

SHEET 1 OF 4 REPLACES BRIDGE NO. 240138

3/27/2020

RS&H

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STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

STANDARD

AASHTO TYPE IV
 PRESTRESSED CONCRETE GIRDER
 SPANS A & F

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S1-15
1			3			TOTAL SHEETS
2			4			37

DRAWN BY :	TWL	DATE :	06/2019
CHECKED BY :	MAL	DATE :	06/2019
DESIGN ENGINEER OF RECORD:	MAL	DATE :	06/2019

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED