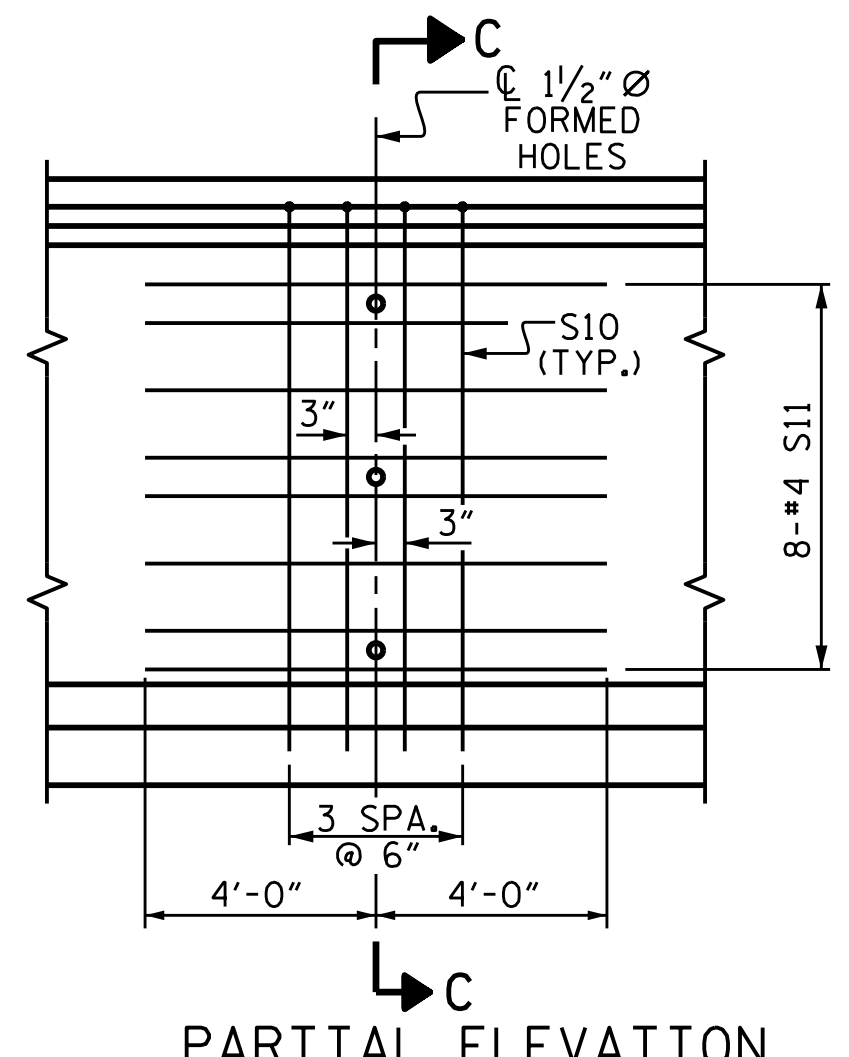
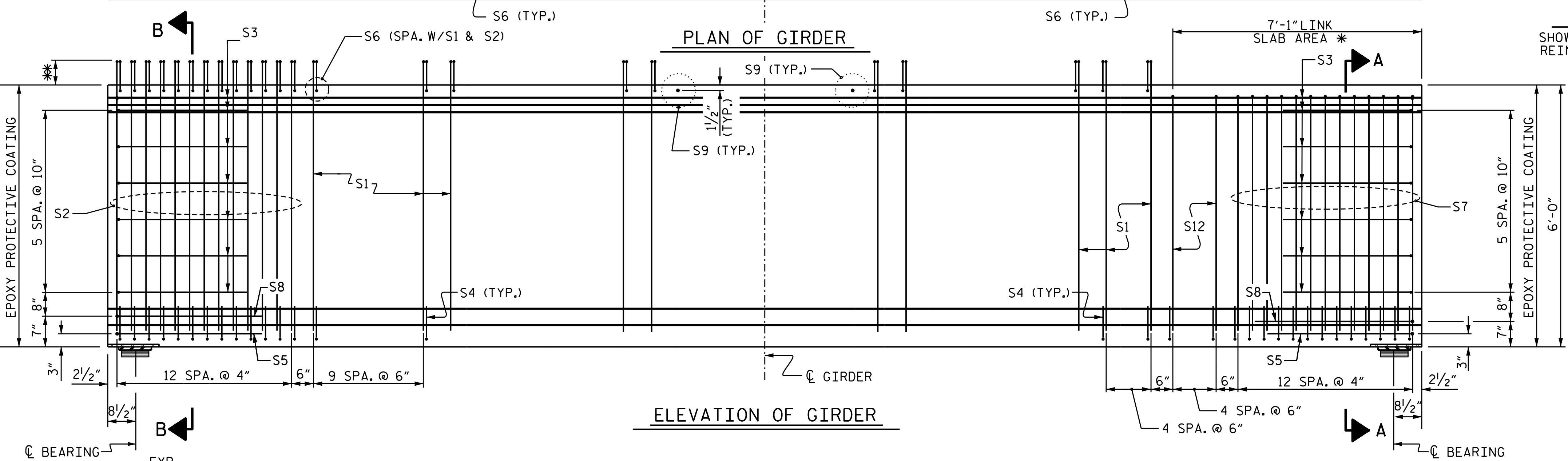
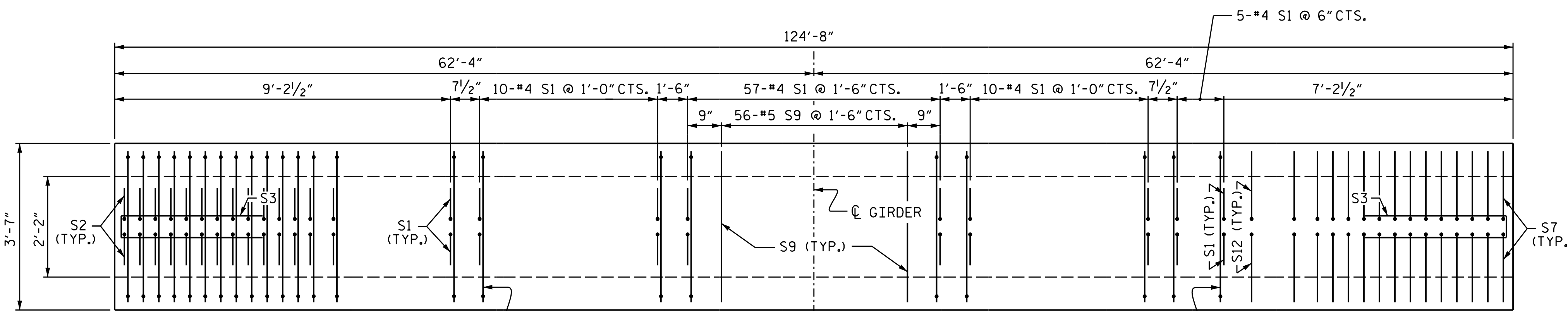
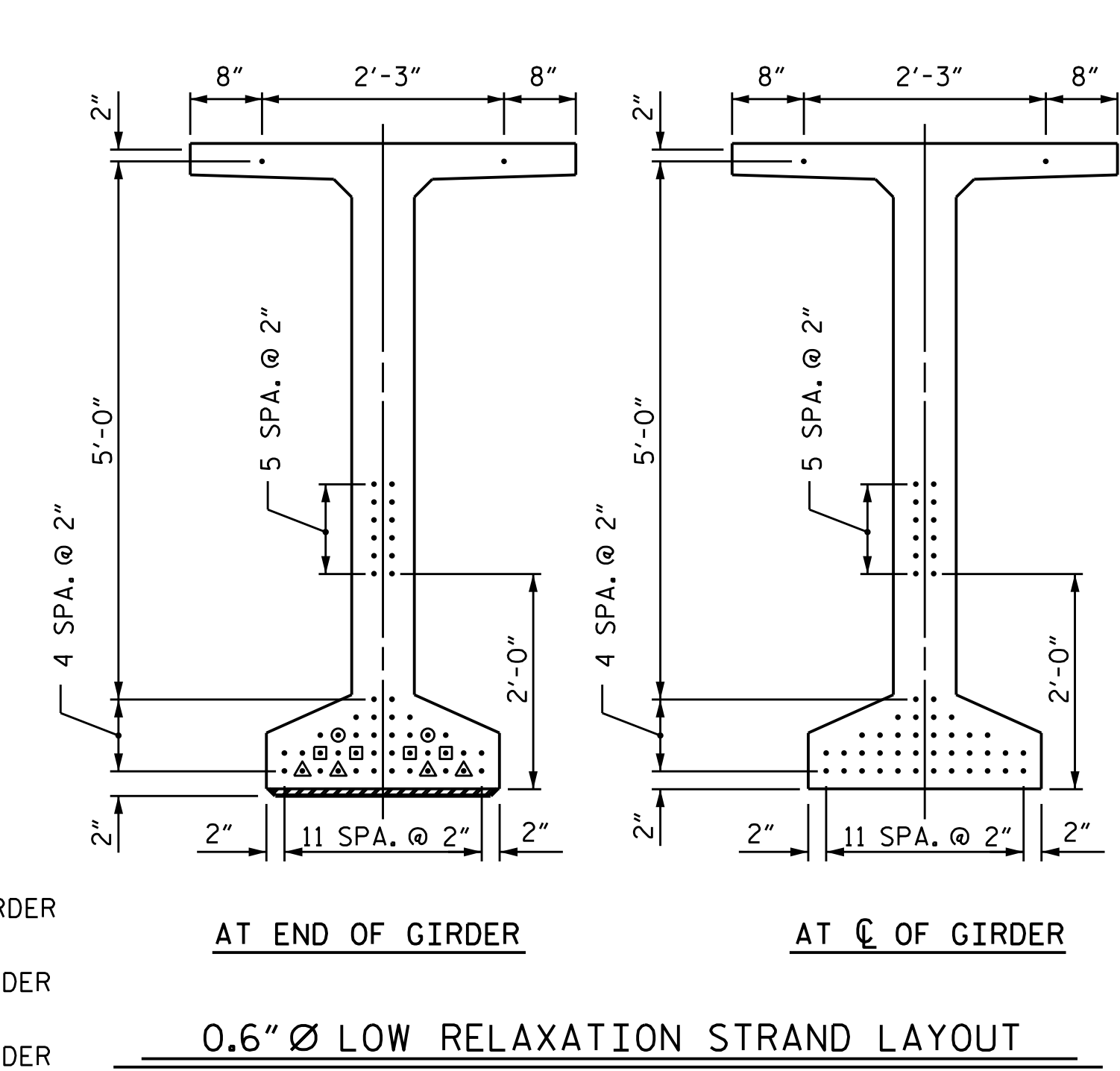


① 1/2" Ø FORMED HOLE. SEE ELEVATION FOR LOCATION. FOR DIM. "A", "B" & "C" SEE "INTERMEDIATE STEEL DIAPHRAGMS" SHEET.)

- DEBONDING LEGEND**
- FULLY BONDED STRANDS
  - ▲ STRANDS DEBONDED FOR 26'-0" FROM END OF GIRDER
  - STRANDS DEBONDED FOR 18'-0" FROM END OF GIRDER
  - ⊙ STRANDS DEBONDED FOR 12'-0" FROM END OF GIRDER

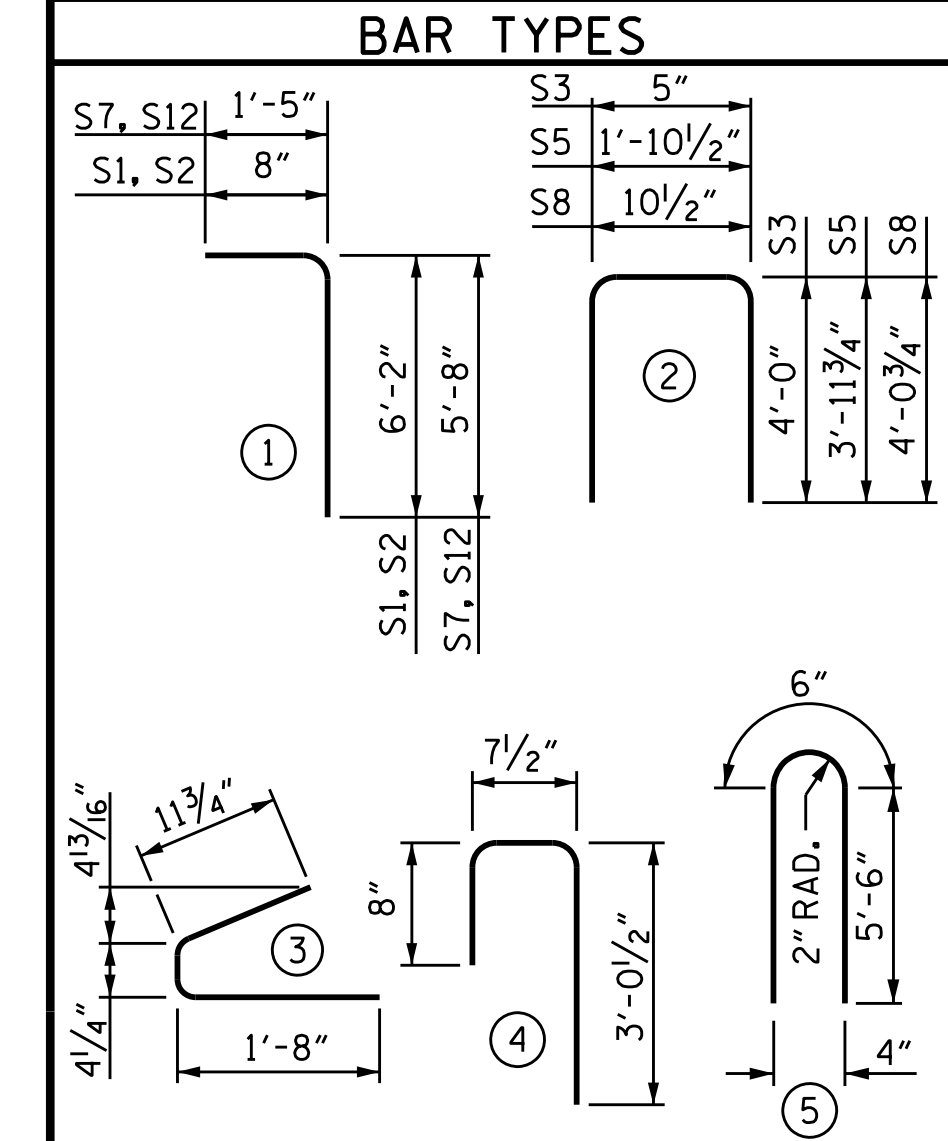


**0.6" Ø L. R. GRADE 270 STRANDS**

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	184	#4	1	6'-10"	840
S2	26	#5	1	6'-10"	185
S3	14	#4	2	8'-5"	79
S4	92	#4	3	3'-0"	184
S5	2	#5	2	9'-10"	21
S6	210	#5	4	4'-4"	949
S7	26	#5	1	7'-1"	192
S8	2	#5	2	9'-0"	19
S9	56	#5	STR	3'-3"	190
S10	8	#5	5	11'-6"	96
S11	16	#4	STR	8'-0"	86
S12	10	#4	1	7'-1"	47



**QUANTITIES FOR ONE GIRDER**

	REINFORCING STEEL		10,000 PSI CONCRETE	0.6" Ø L.R. STRANDS
	LB.	C.Y.	No.	No.
GIRDERS 1-4	2888	26.7		52

**GIRDERS REQUIRED**

NUMBER	LENGTH	TOTAL LENGTH
8	124'-8"	997'-4"

\* DO NOT ROUGHEN TOP OF GIRDER IN THIS AREA

PROJECT NO. B-5825  
 YADKIN/FORSYTH COUNTY  
 STATION: 34+65.50 -L-  
 SHEET 4 OF 7

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH

72" PRESTRESSED CONCRETE MODIFIED BULB TEE CONTINUOUS FOR LIVE LOAD SPANS D & G

REVISIONS

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

SHEET NO. S-23  
 TOTAL SHEETS 60

DRAWN BY: ZCS DATE: 12/19  
 CHECKED BY: MGC DATE: 1/20  
 DESIGN ENGINEER OF RECORD: TBE DATE: 2/20

\* THE PROJECTION OF THE S1 & S2 BARS ABOVE THE TOP OF THE GIRDER VARIES FROM 7" AT THE ENDS OF THE GIRDER TO 6" AT THE CENTERLINE OF THE GIRDER.