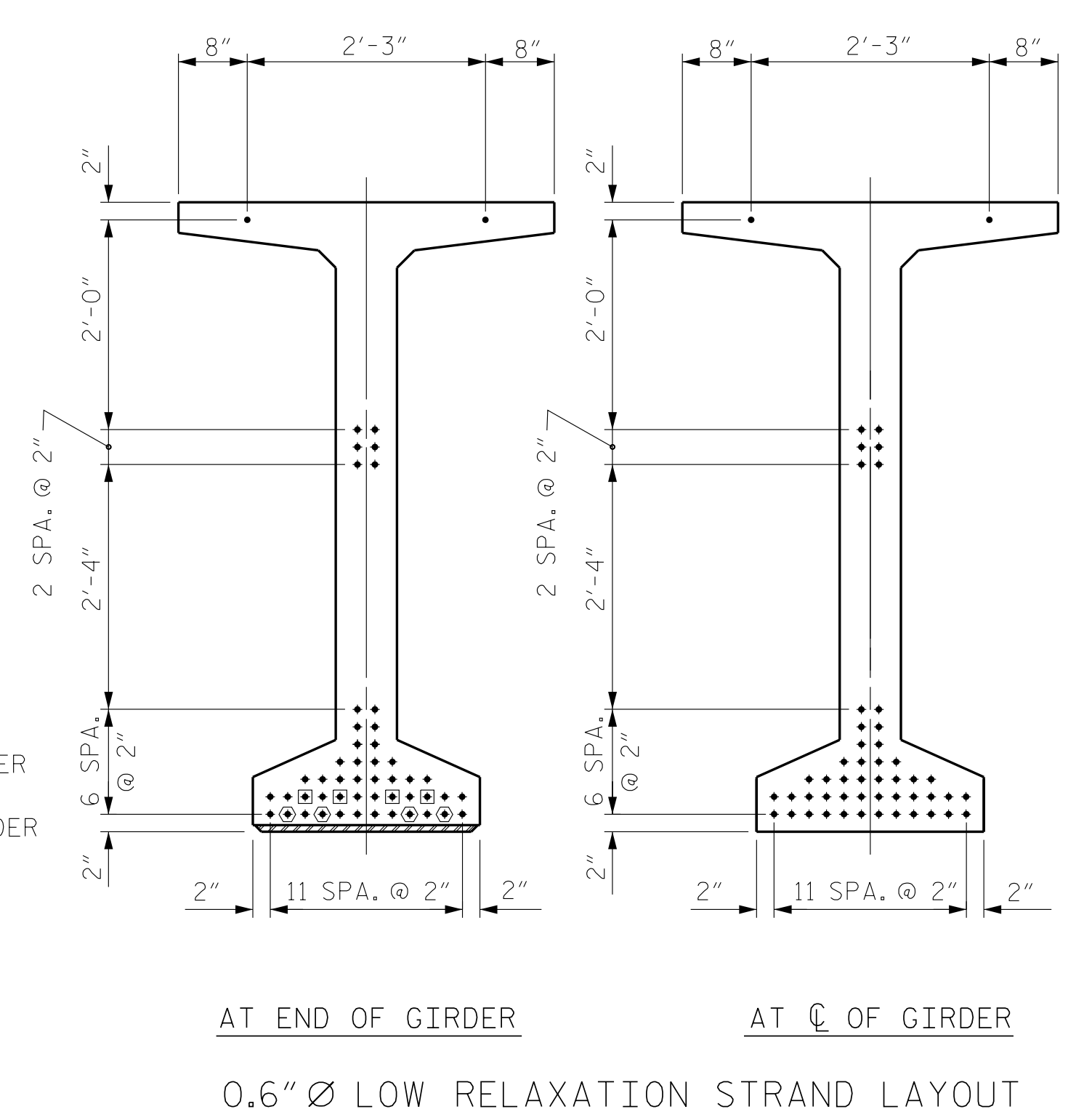


① 1/2" Ø FORMED HOLE. SEE ELEVATION FOR LOCATION. FOR DIM. "A", "B" & "C" SEE "INTERMEDIATE STEEL DIAPHRAGMS" SHEET.)

DEBONDING LEGEND

- FULLY BONDED STRANDS
- ◻ STRANDS DEBONDED FOR 4'-0" FROM END OF GIRDER
- ◐ STRANDS DEBONDED FOR 12'-0" FROM END OF GIRDER



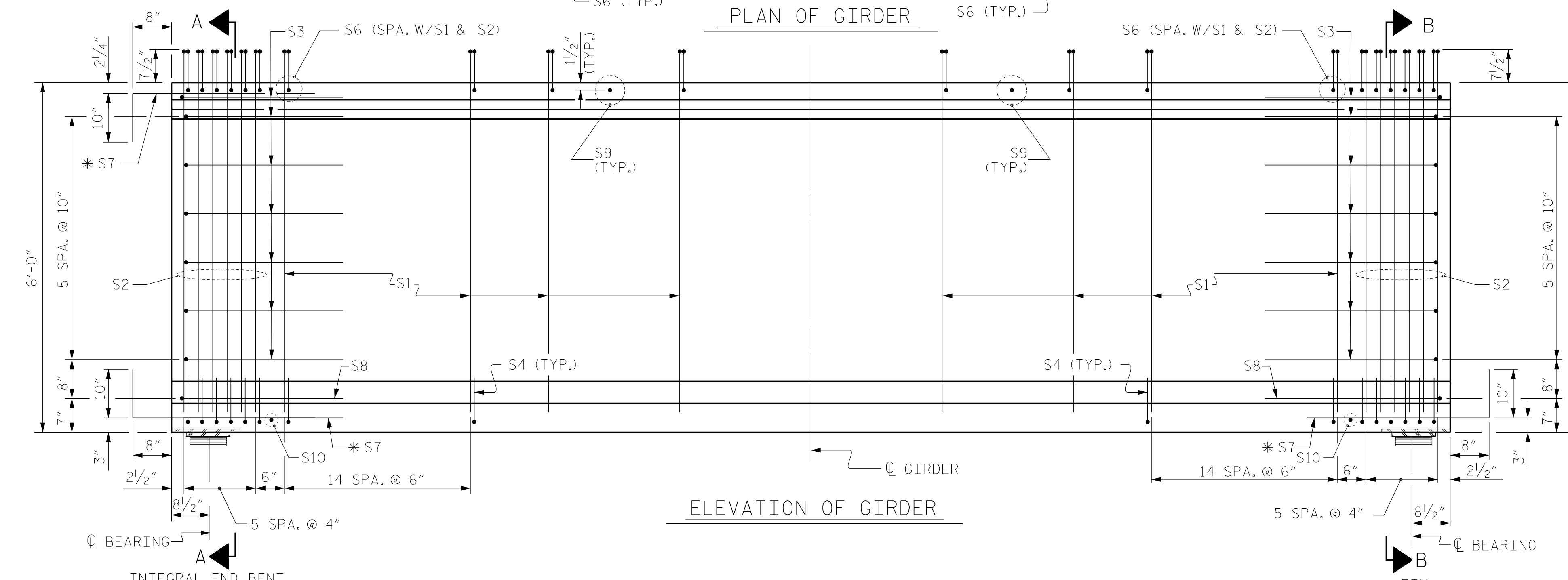
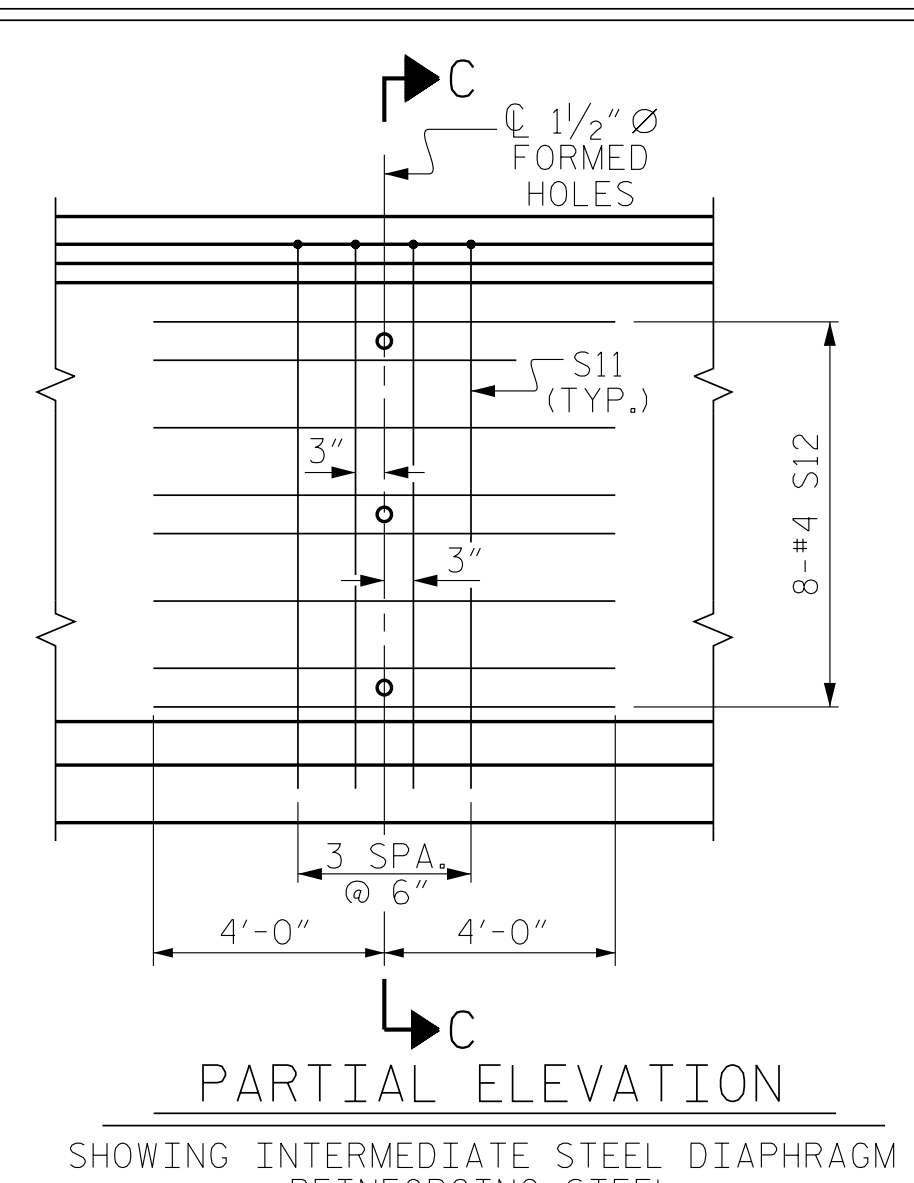
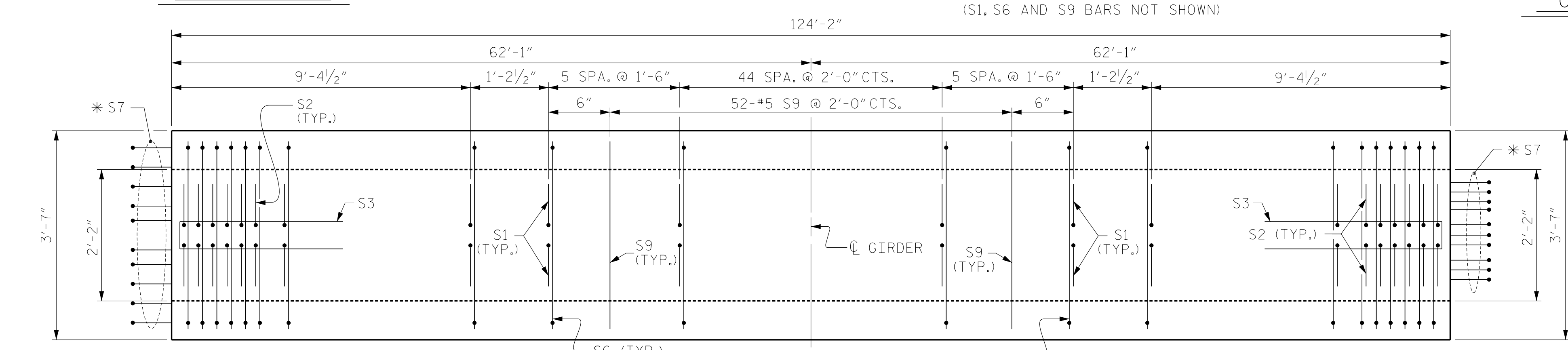
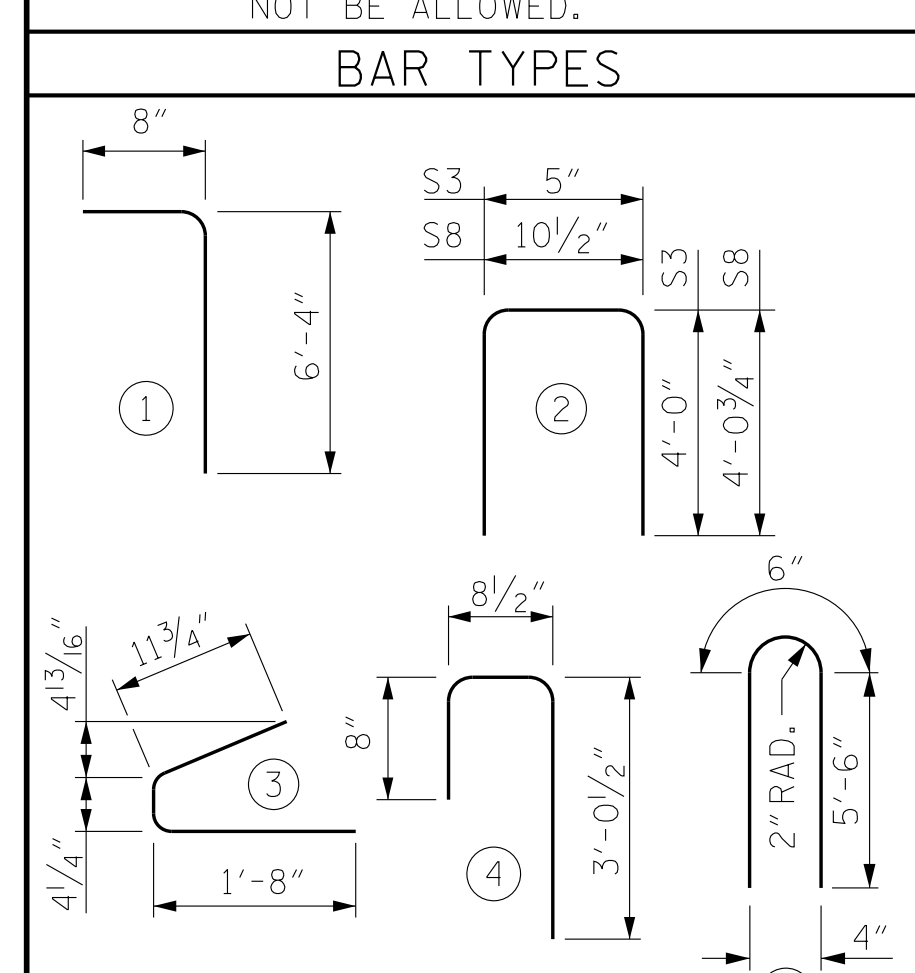
0.6" Ø L. R. GRADE 270 STRANDS

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	170	#4	1	7'-0"	795
S2	24	#5	1	7'-0"	175
S3	14	#4	2	8'-5"	79
S4	84	#4	3	3'-0"	168
S6	194	#5	4	4'-5"	894
*S7	30	#5	STR	3'-8"	115
S8	2	#5	2	9'-0"	19
S9	52	#5	STR	3'-3"	176
S10	2	#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.

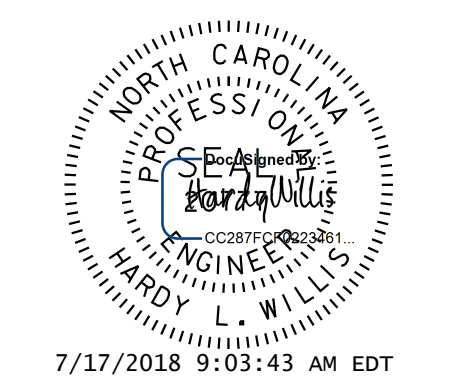


QUANTITIES FOR ONE GIRDER

	REINFORCING STEEL (LB.)	10000 PSI CONCRETE (C.Y.)	0.6" Ø L.R. STRANDS (No.)
	2604	26.6	50

GIRDERS REQUIRED

NUMBER	LENGTH	TOTAL LENGTH
11	124'-2"	1365'-10"



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

V&M Vaughn & Melton
Consulting Engineers

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PROJECT NO. R-3825B
JOHNSTON COUNTY
STATION: 64+20.00 -L-

SHEET 1 OF 4

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

STANDARD
72" PRESTRESSED CONCRETE
MODIFIED BULB TEE
CONTINUOUS FOR LIVE LOAD
SPAN 'A'

INTEGRAL END BENT

ASSEMBLED BY : WDC	DATE : 7/2017
CHECKED BY : ACO	DATE : 12/2017
DRAWN BY : EEM 2/6/97	REV. 10/1/11 MAA/GM
CHECKED BY : VAP 2/6/97	REV. 6/13 MAA/GM
	REV. 1/15 MAA/TMG

REVISIONS

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

SHEET NO. S-19
TOTAL SHEETS 59

STD. NO. PCG8