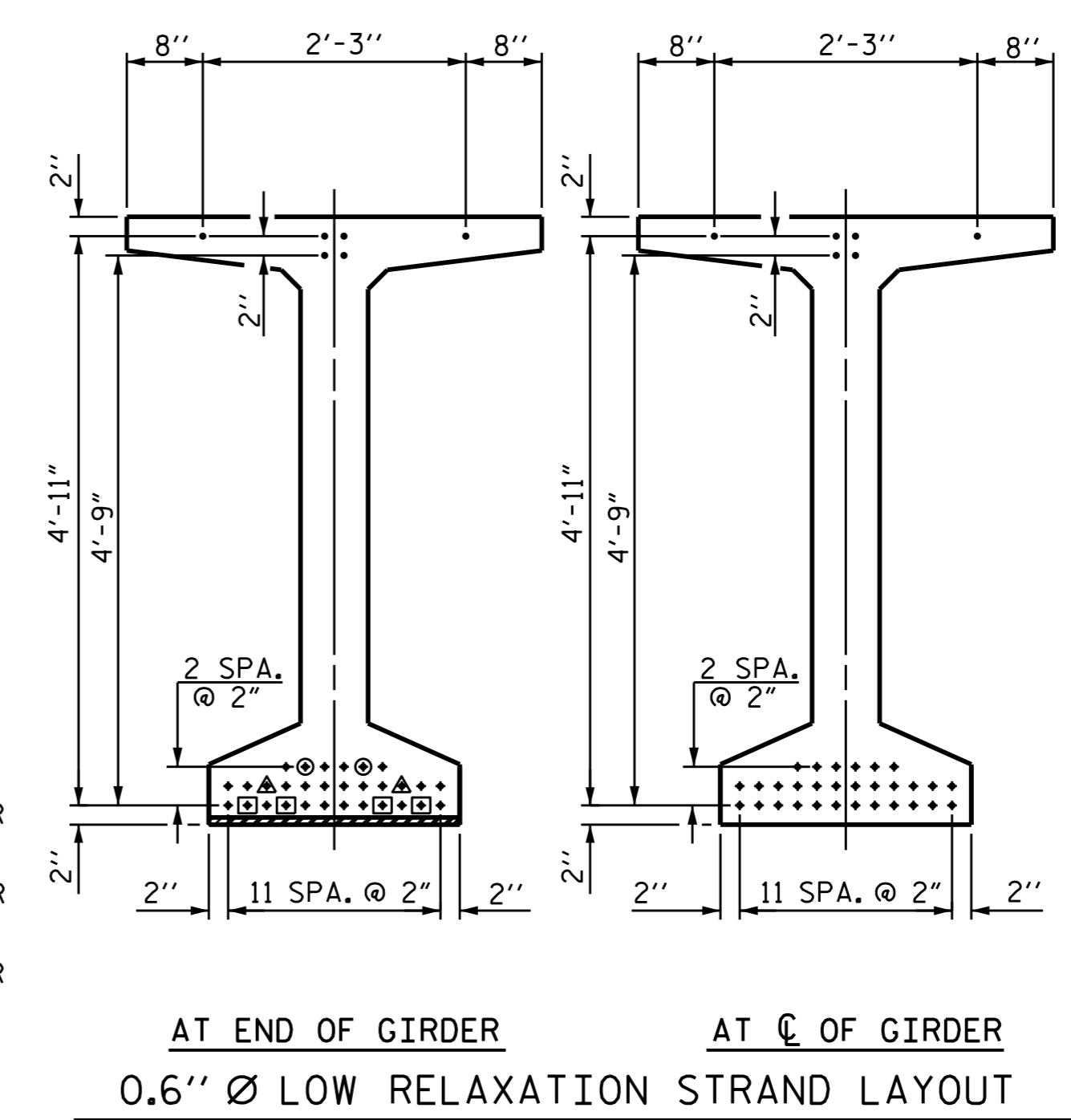


1/2" Ø FORMED HOLE. SEE ELEVATION FOR LOCATION.

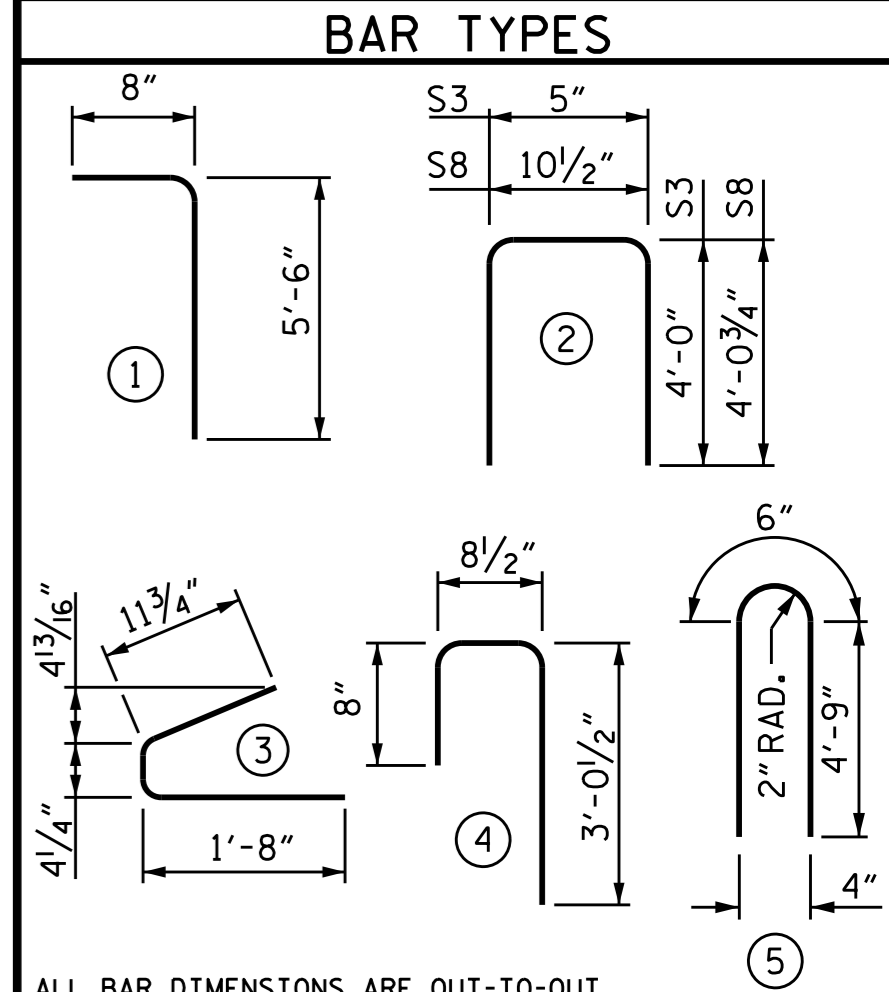
- DEBONDING LEGEND**
- FULLY BONDED STRANDS
 - ◻ STRANDS DEBONDED FOR 4'-0" FROM END OF GIRDER
 - ◻ STRANDS DEBONDED FOR 6'-0" FROM END OF GIRDER
 - ◻ STRANDS DEBONDED FOR 8'-0" FROM END OF GIRDER



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

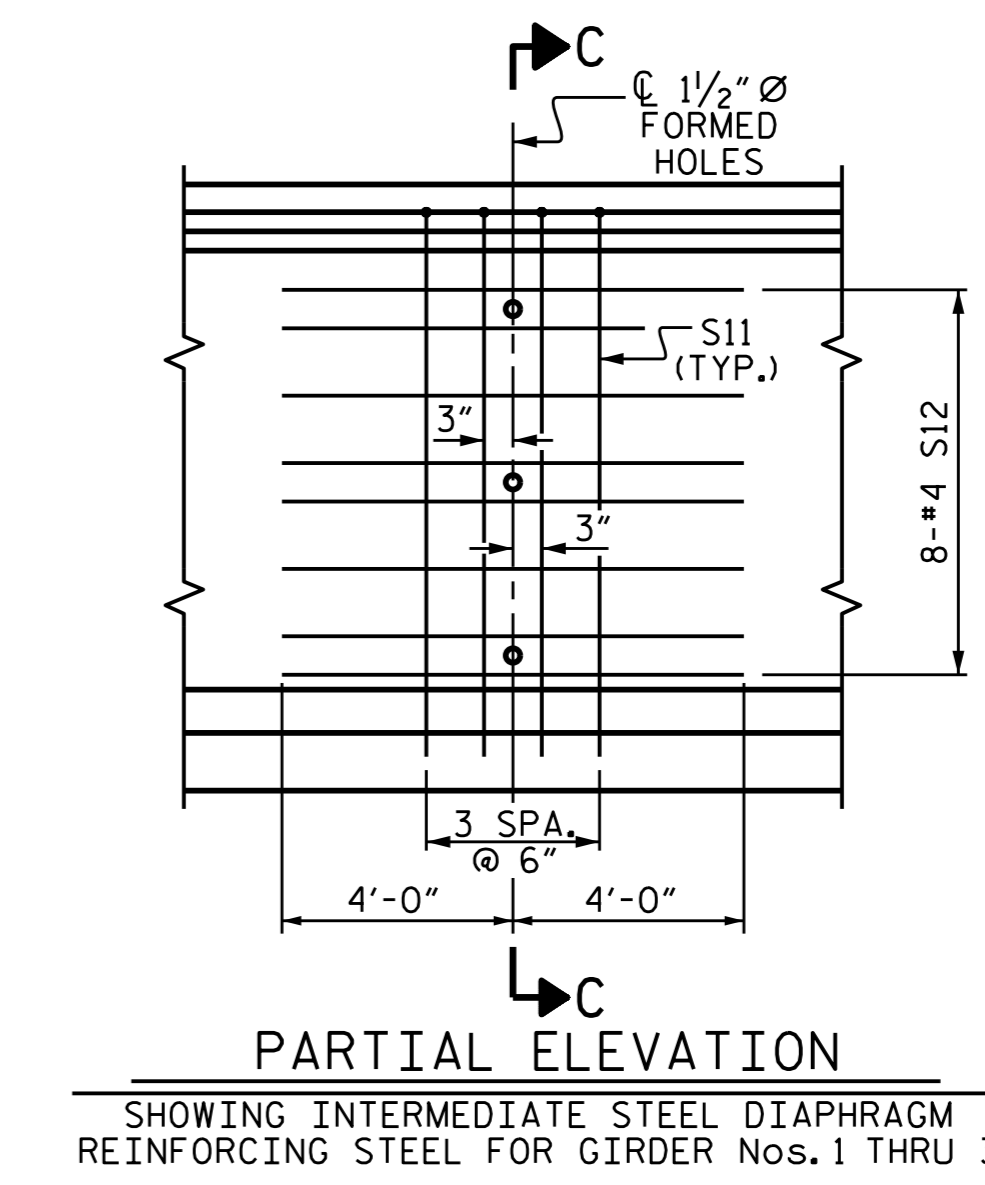
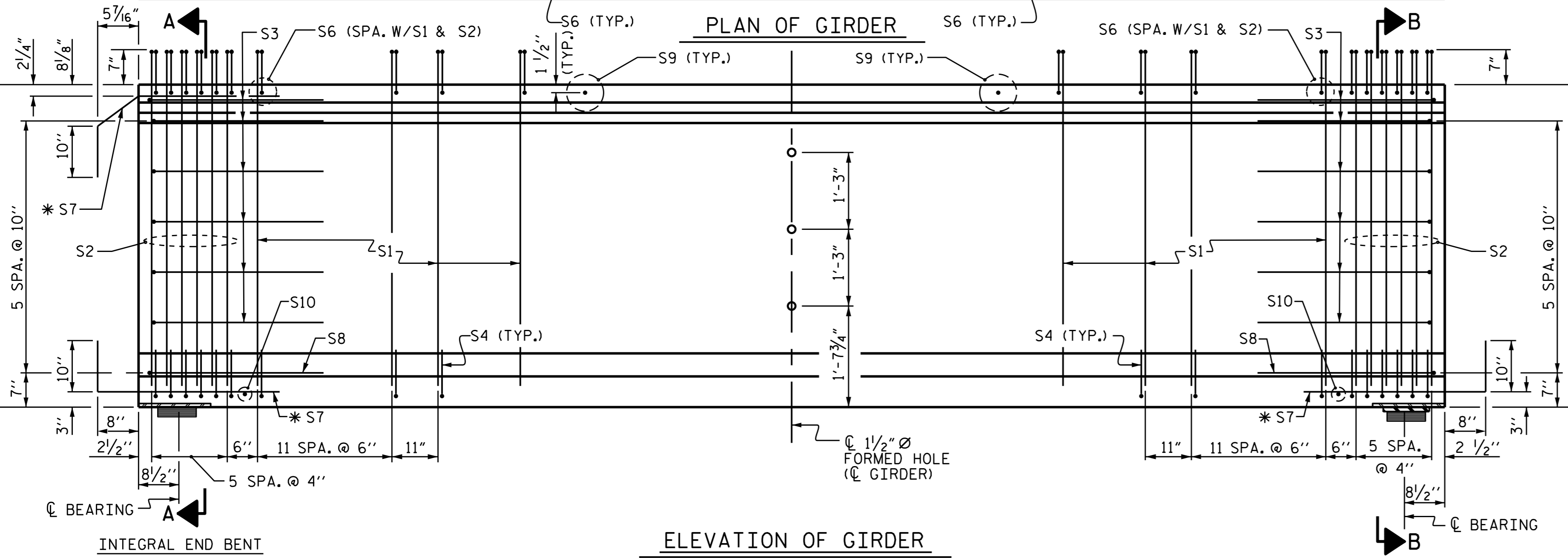
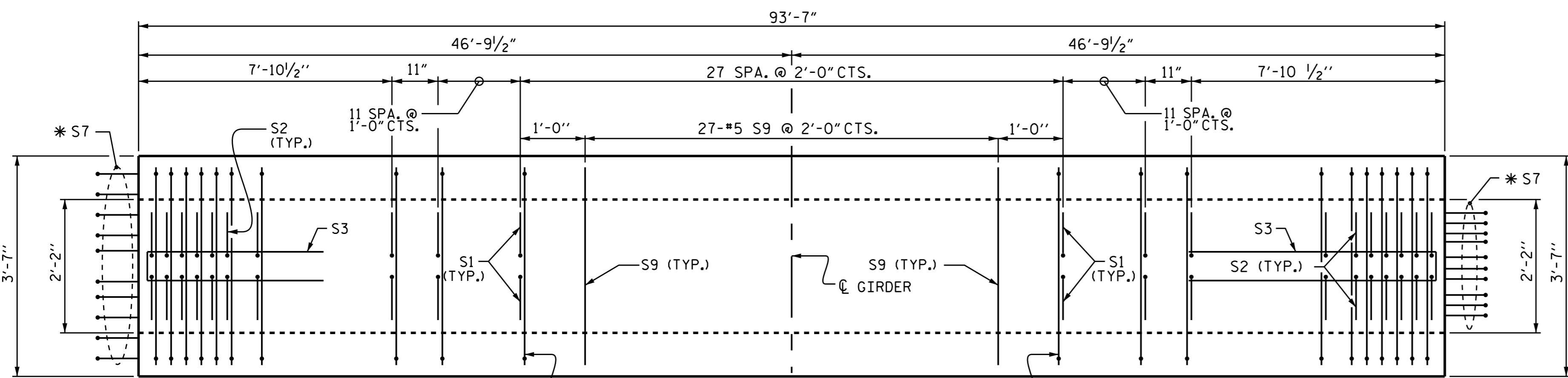
REINFORCING STEEL FOR ONE GDR						
BAR NUMBER	SIZE	TYPE	LENGTH	WEIGHT		
S1	148	#4	1	6'-2"	610	
S2	24	#5	1	6'-2"	154	
S3	12	#4	2	8'-5"	67	
S4	76	#4	3	3'-0"	152	
S6	172	#5	4	4'-5"	792	
*S7	30	#5	STR	3'-8"	115	
S8	2	#5	2	9'-0"	19	
S9	27	#5	STR	3'-3"	92	
S10	2	#3	STR	1'-10"	1	
S11	4	#5	5	10'-0"	42	
S12	8	#4	STR	8'-0"	43	

* NOTE: S7 BARS SHALL BE BENT BEFORE SHIPMENT. HEAT BENDING SHALL NOT BE ALLOWED.



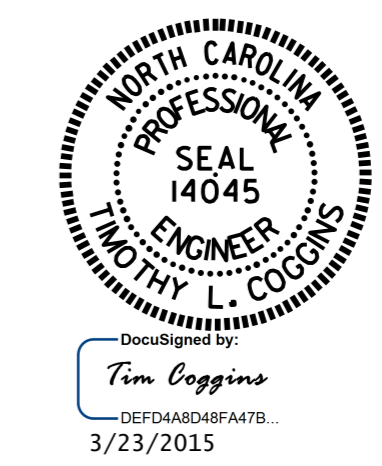
QUANTITIES FOR ONE GIRDER			
REINFORCING STEEL	8,000 PSI CONCRETE	0.6" Ø L.R. STRANDS	
LB.	C.Y.	No.	
GIRDER	2087	18.5	36

GIRDERS REQUIRED		
NUMBER	LENGTH	TOTAL LENGTH
3	93'-7"	280'-9"



DESIGN ENGINEER OF RECORD: R.KOUJCHEKI	DATE: 02/2015
ASSEMBLED BY: M.D.PISO	DATE: 07-06-13
CHECKED BY: K.P.SEDAI	DATE: 08-26-14
DRAWN BY: EEM 2/6/97	REV. 5/1/06R TLA/GM
CHECKED BY: VAP 2/6/97	REV. 10/1/11 MAA/GM
	REV. 6/13 MAA/GM

23-MAR-2015 12:51
RA Structures\Final Plans\DocuSign_Setup\415.000.R-2514D.SMU.S15-00.dgn
kposchal



PROJECT NO. R-2514D
 JONES & CRAVEN COUNTY
 STATION: 28+29.35 -Y10-

SHEET 2 OF 3

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 STANDARD
 63" PRESTRESSED CONCRETE
 MODIFIED BULB TEE
 CONTINUOUS FOR LIVE LOAD
 SPAN B
 (LEFT LANE)

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S15-013
1			3			TOTAL SHEETS
2			4			30