

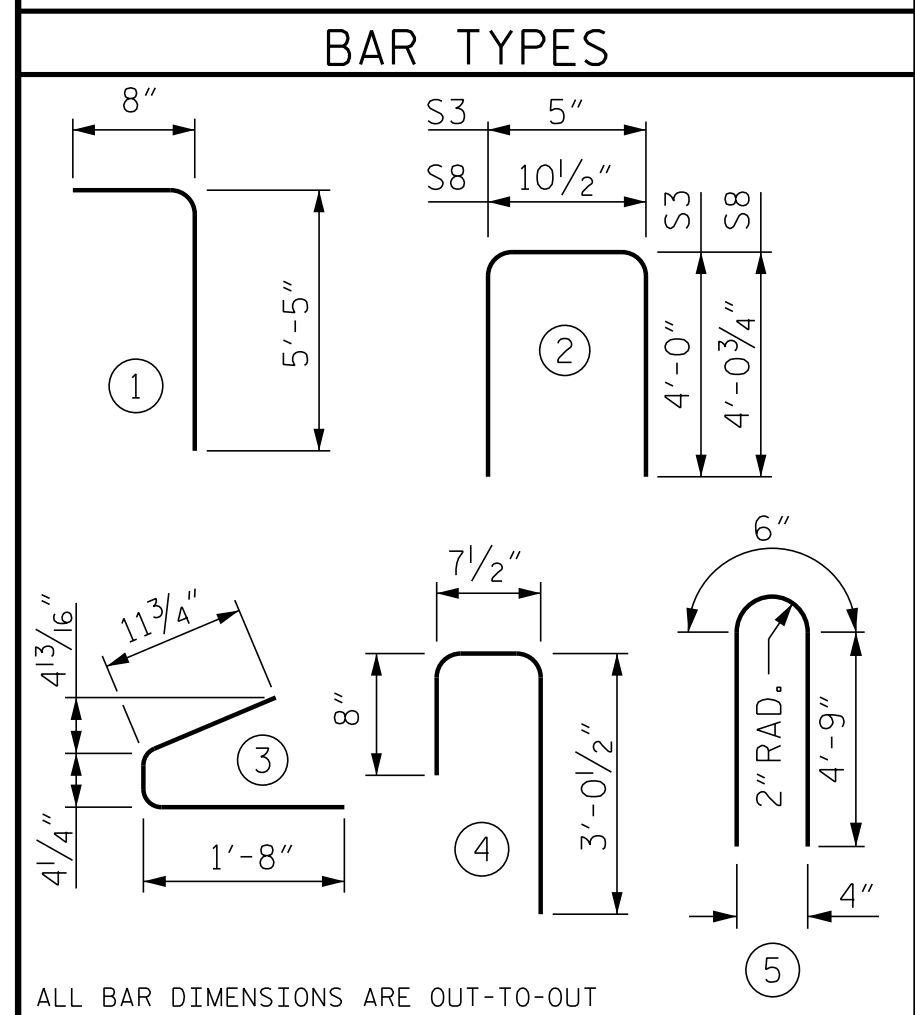
DEBONDING LEGEND

- FULLY BONDED STRANDS
- ◆ STRANDS DEBONDED FOR 10'-0" FROM END OF GIRDER

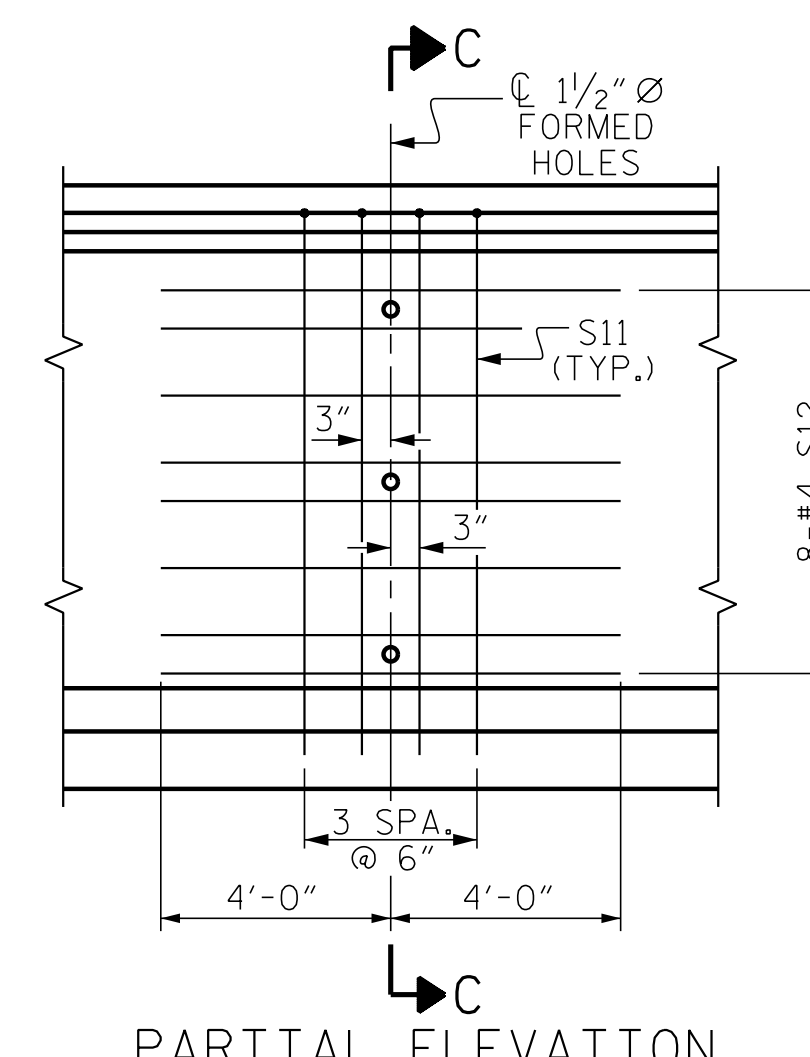
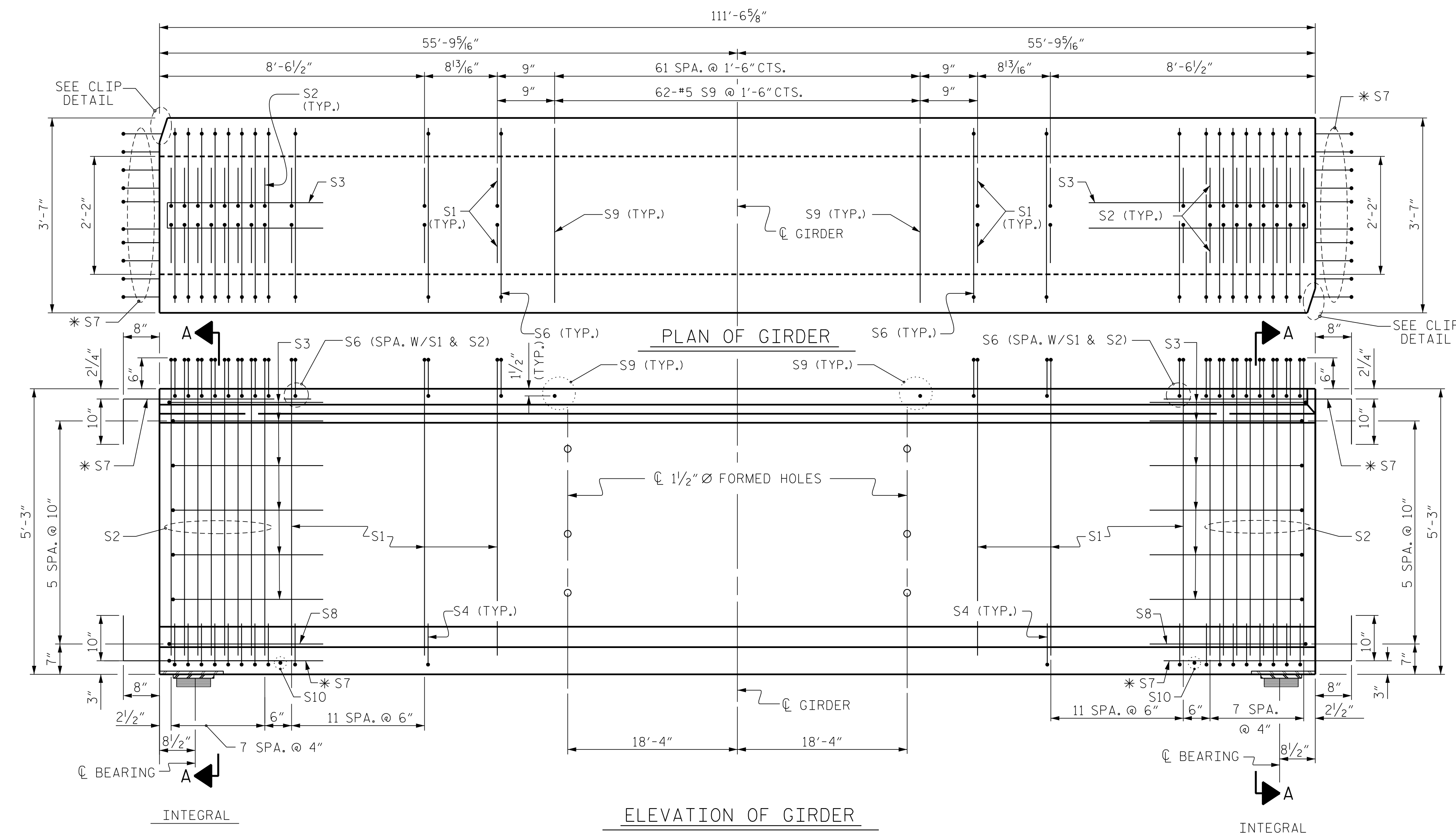
0.6" Ø L. R. GRADE 270 STRANDS		
AREA (SQUARE INCHES)	ULTIMATE STRENGTH (LBS. PER STRAND)	APPLIED PRESTRESS (LBS. PER STRAND)
0.217	58,600	43,950

REINFORCING STEEL FOR ONE GDR				
BAR	NUMBER	SIZE	TYPE	LENGTH/WEIGHT
S1	174	#4	1	6'-1" 707
S2	32	#6	1	6'-1" 292
S3	12	#4	2	8'-5" 67
S4	80	#4	3	3'-0" 160
S6	206	#5	4	4'-4" 931
*S7	40	#5	STR	3'-8" 153
S8	2	#5	2	9'-0" 19
S9	62	#5	STR	3'-3" 210
S10	2	#3	STR	1'-10" 1
S11	8	#5	5	10'-0" 83
S12	16	#4	STR	8'-0" 86

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



ALL BAR DIMENSIONS ARE OUT-TO-OUT

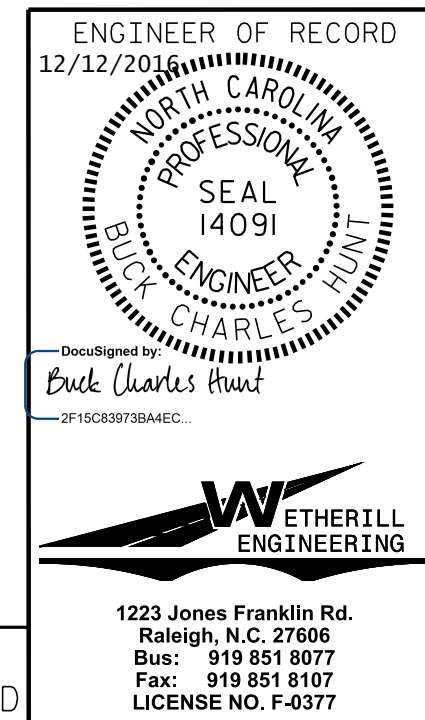


SHOWING INTERMEDIATE STEEL DIAPHRAGM REINFORCING STEEL FOR ALL GIRDERS

QUANTITIES FOR ONE GIRDER			
SPAN "A"	REINFORCING STEEL	9600 PSI CONCRETE	0.6" Ø L.R. STRANDS
	LB.	C.Y.	No.
5	2709	22.1	40

GIRDERS REQUIRED		
NUMBER	LENGTH	TOTAL LENGTH
5	111'-6 5/8"	557.76'

PROJECT NO. R-5719
 WAYNE COUNTY
 STATION: 39+11.12 -L-
 SHEET 1 OF 2



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

63" PRESTRESSED CONCRETE MODIFIED BULB TEE LEFT LANE

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

SHEET NO. S01-9
 TOTAL SHEETS 26

DRAWN BY: R. ASENCIO DATE: 12/5/15
 CHECKED BY: J. DILWORTH DATE: 12/8/15

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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