

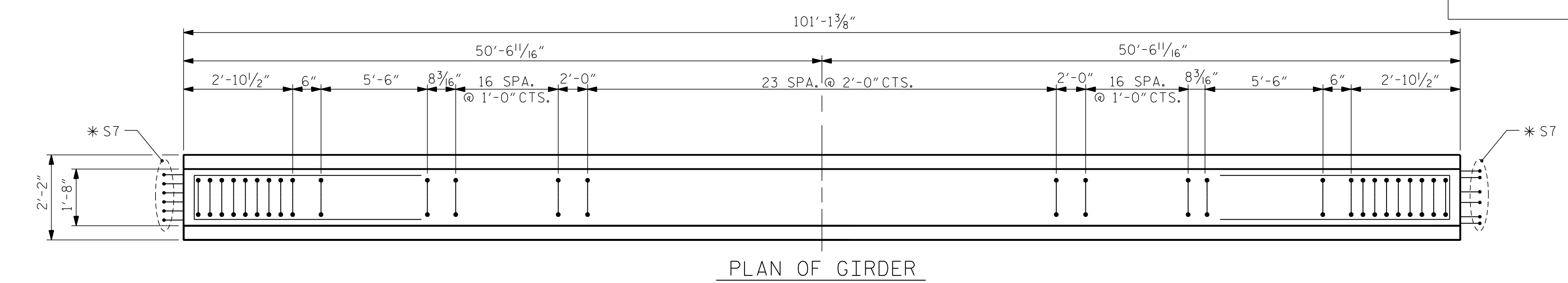
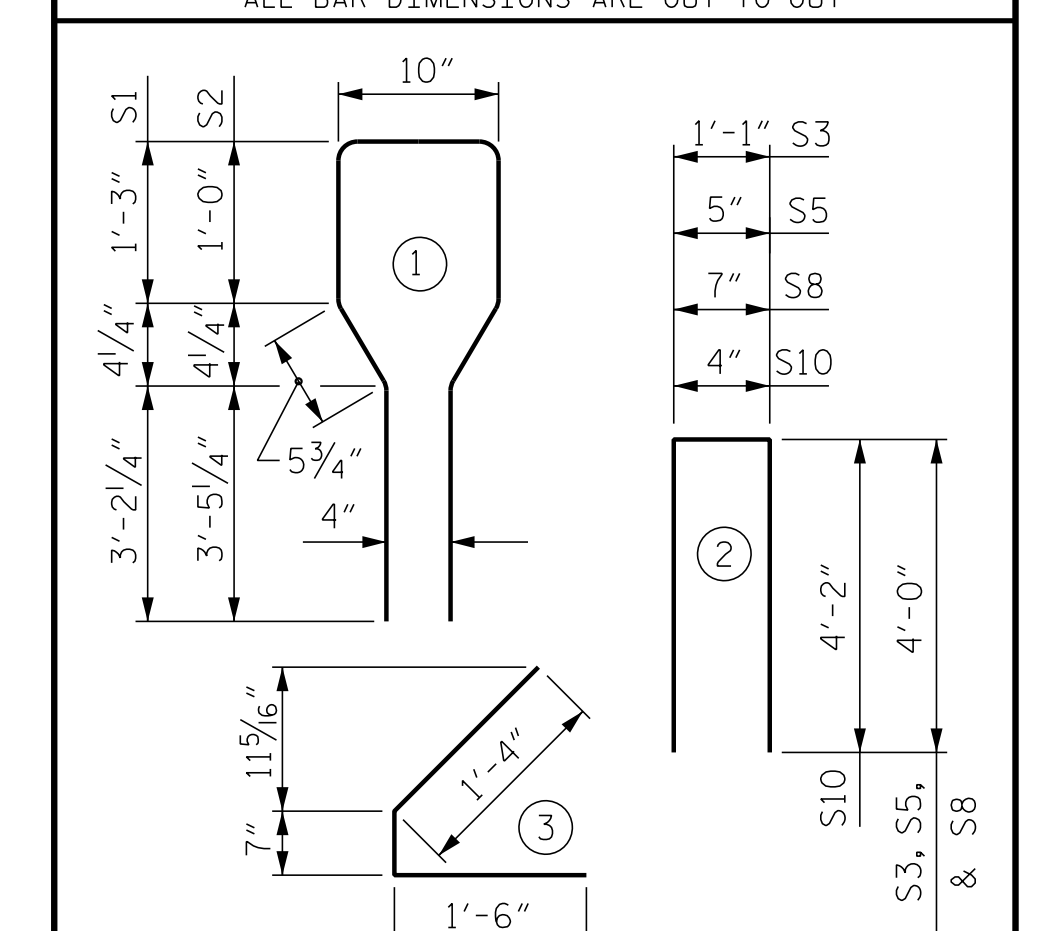
0.6" Ø L. R. GRADE 270 STRANDS		
AREA (SQUARE INCHES)	ULTIMATE STRENGTH (LBS. PER STRAND)	APPLIED PRESTRESS (LBS. PER STRAND)
0.217	58,600	43,950

REINFORCING STEEL FOR ONE GIRDER					
BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT
S1	82	#4	1	10'-8"	584
S2	18	#6	1	10'-8"	288
S3	4	#4	2	9'-1"	24
S4	84	#4	3	3'-5"	192
S5	6	#4	2	8'-5"	34
*S7	18	#5	STR	3'-8"	69
S8	4	#4	2	8'-7"	23
S9	2	#3	STR	1'-10"	1
S10	2	#5	2	8'-8"	18
S11	5	#4	STR	7'-0"	23
S13	1	#3	STR	1'-4"	1

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

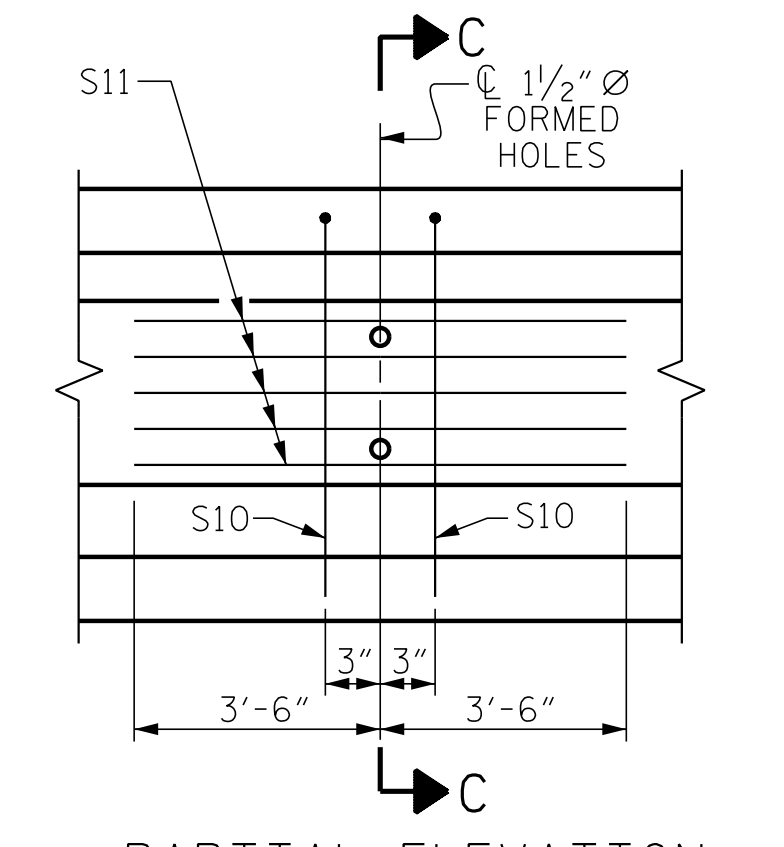
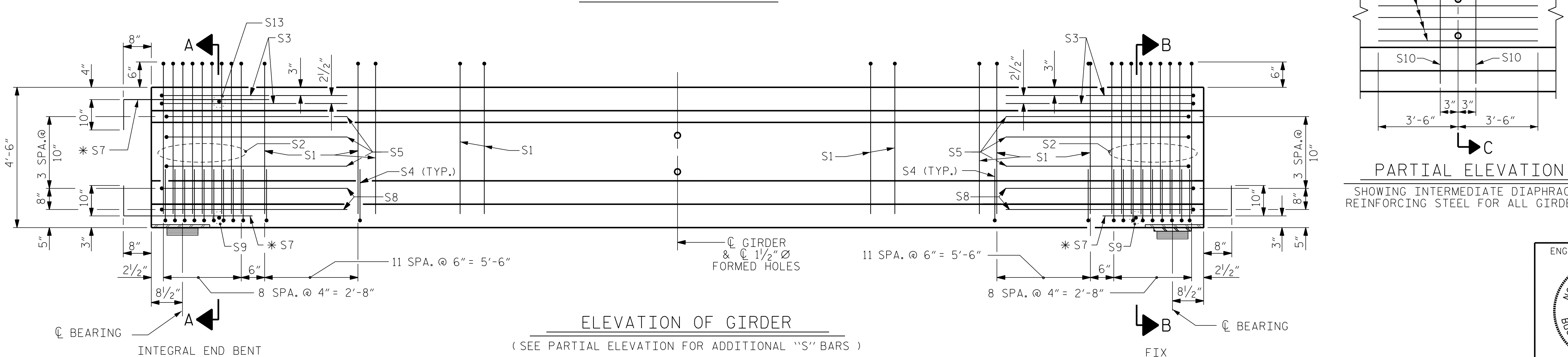


● FULLY BONDED STRANDS
 ▲ DENOTES STRAND TO BE DEBONDED FOR 12'-0" FROM END OF GIRDER



QUANTITIES FOR ONE GIRDER			
SPAN "A"	REINFORCING STEEL	9000 PSI CONCRETE	0.6" Ø L. R. STRANDS
	LB.	C.Y.	No.
SPAN "A"	1257	20.5	44

GIRDERS REQUIRED		
NUMBER	LENGTH	TOTAL LENGTH
6	101'-1 3/8"	606.69'



PROJECT NO. U-5796
 WAYNE COUNTY
 STATION: 27+41.30 -Y8-
 SHEET 1 OF 3

ENGINEER OF RECORD
 NORTH CAROLINA PROFESSIONAL SEAL
 14091
 12/12/2016
 ENGINEER CHARLES HUNT
 Buck Charles Hunt
 271638784BREC

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH					
STANDARD AASHTO TYPE IV PRESTRESSED CONCRETE GIRDER CONTINUOUS FOR LIVE LOAD SPAN "A"					
REVISIONS					
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		

SHEET NO. S01-10	
TOTAL SHEETS	34

ASSEMBLED BY : J. PENDERGRAFT DATE : 11-15
 CHECKED BY : J. DILWORTH DATE : 11-15
 DRAWN BY : ELR 8/91 REV. 5/1/06R TLA/GM
 CHECKED BY : GRP 8/91 REV. 10/1/11 MAA/GM
 REV. 1/15 MAA/TMG

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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