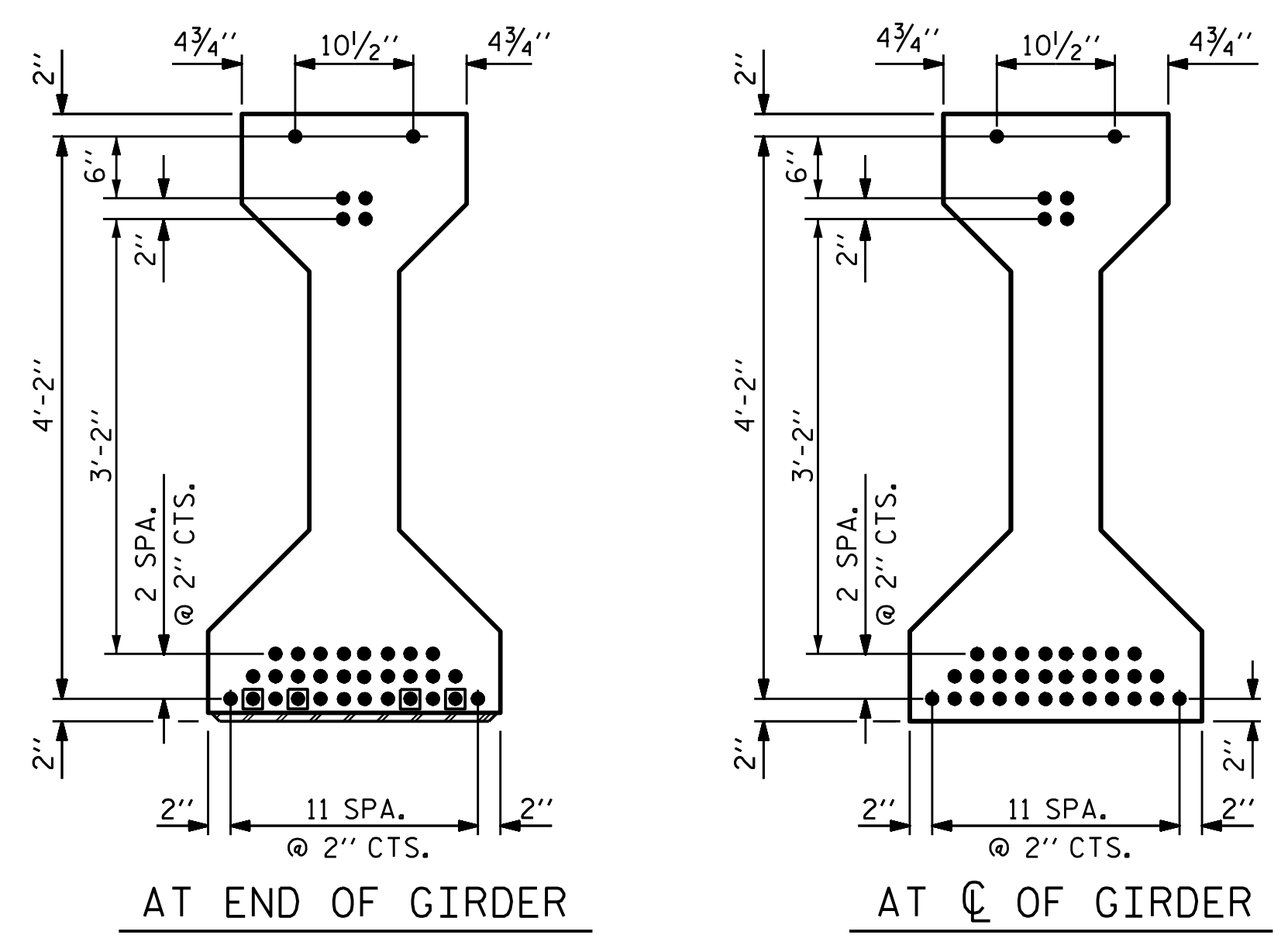


SECTION A-A SECTION B-B SECTION C-C (S1 BARS NOT SHOWN)

\* FOR S7 BARS, SEE DETAIL "A" OF PRESTRESSED CONCRETE GIRDER CONTINUOUS FOR LIVE LOAD DETAILS SHEET

1/2" Ø FORMED HOLE (SEE SHEET 3 OF 4 FOR LOCATION)



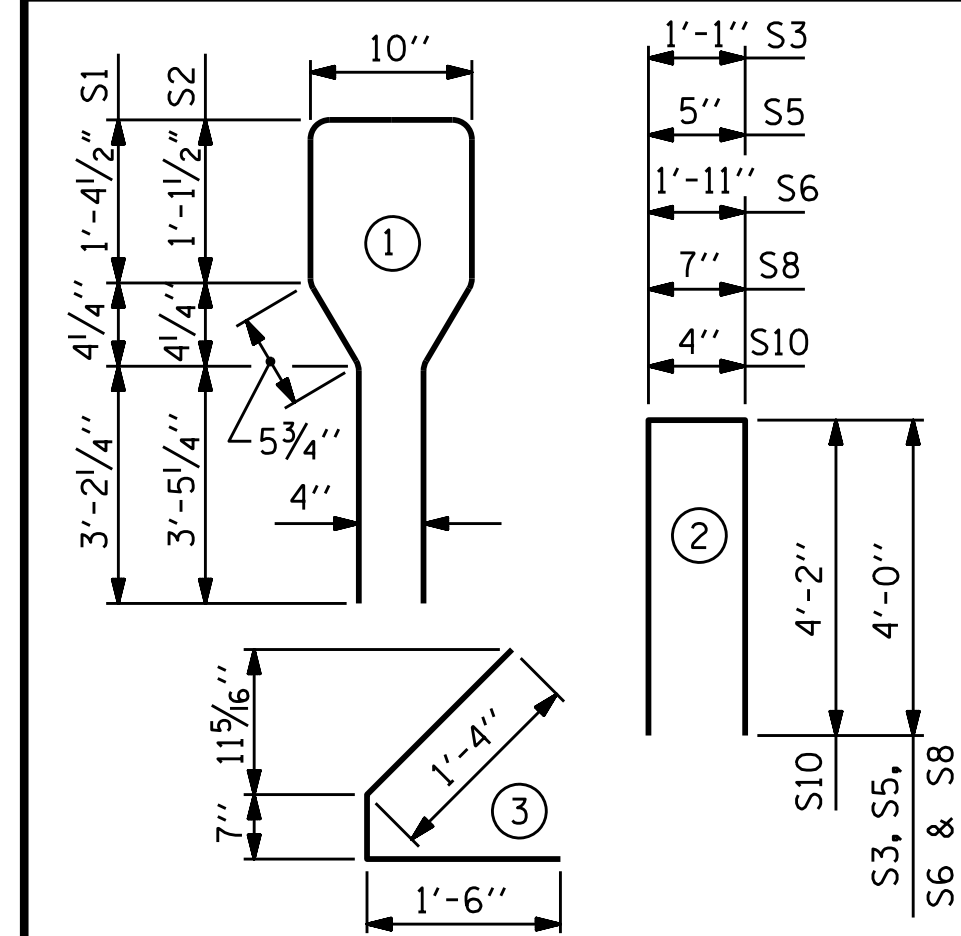
0.6" Ø LOW RELAXATION STRAND LAYOUT  
36 STRANDS REQUIRED  
STRANDS DEBONDED FOR 4'-0" FROM END OF GIRDER

EXTERIOR GDR.	S10	2	#5	2	8'-8"	18
INTERIOR GDR.	S10	4	#5	2	8'-8"	36
EXTERIOR GDR.	S11	5	#4	STR	7'-0"	23
INTERIOR GDR.	S12	5	#4	STR	12'-5"	41

0.6" Ø L. R. GRADE 270 STRANDS					
AREA (SQ. 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	157	#4	1	10'-11"	1145
S2	12	#6	1	10'-11"	197
S3	4	#4	2	9'-1"	24
S4	88	#4	3	3'-5"	201
S5	6	#4	2	8'-5"	34
S6	1	#4	2	9'-11"	7
*S7	6	#5	STR	3'-8"	23
S8	4	#4	2	8'-7"	23
S9	1	#3	STR	1'-10"	1
S10	2	#5	2	8'-8"	18
S11	5	#4	STR	7'-0"	23
S12	5	#4	STR	12'-5"	41

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

BAR TYPES ALL BAR DIMENSIONS ARE OUT-TO-OUT

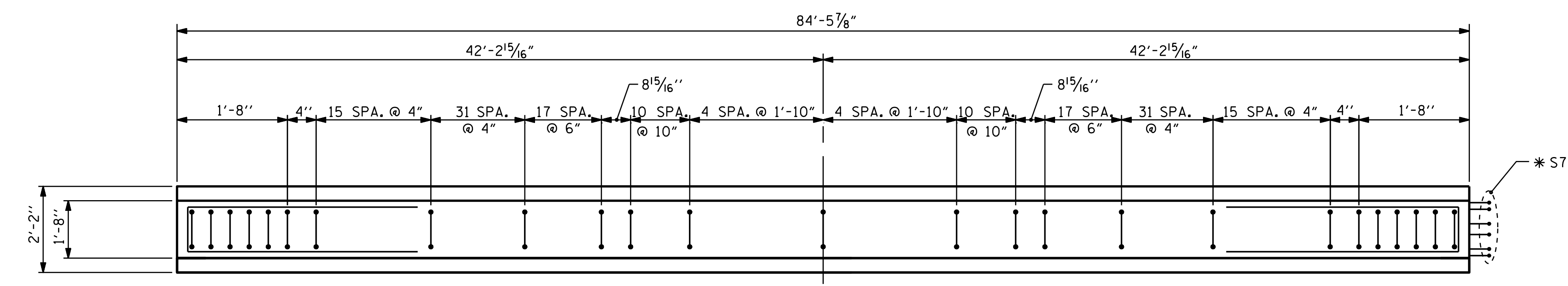


SHOWING INTERMEDIATE DIAPHRAGM REINFORCING STEEL FOR GIRDERS Nos. B2, B3, B4, & B5 FOR LOCATION OF BOLT HOLES IN GIRDERS, SEE SHEET 3 OF 4.

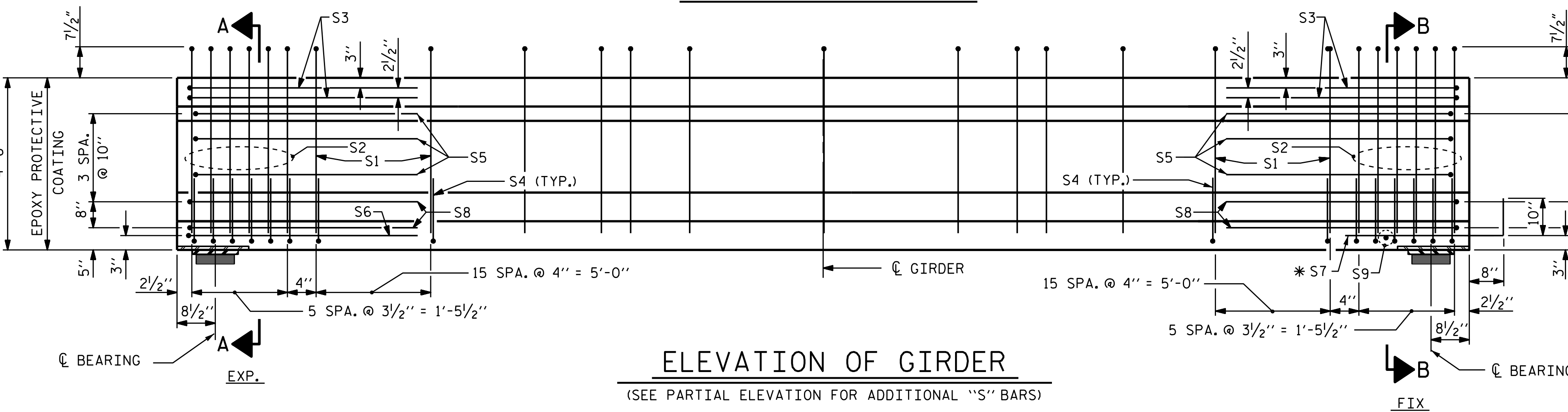
QUANTITIES FOR ONE GIRDER

	REINFORCING STEEL LB.	7500 PSI CONCRETE C.Y.	0.6" Ø L. R. STRANDS No.
EXTERIOR GDR.	1696	17.1	36
INTERIOR GDR.	1732	17.1	36

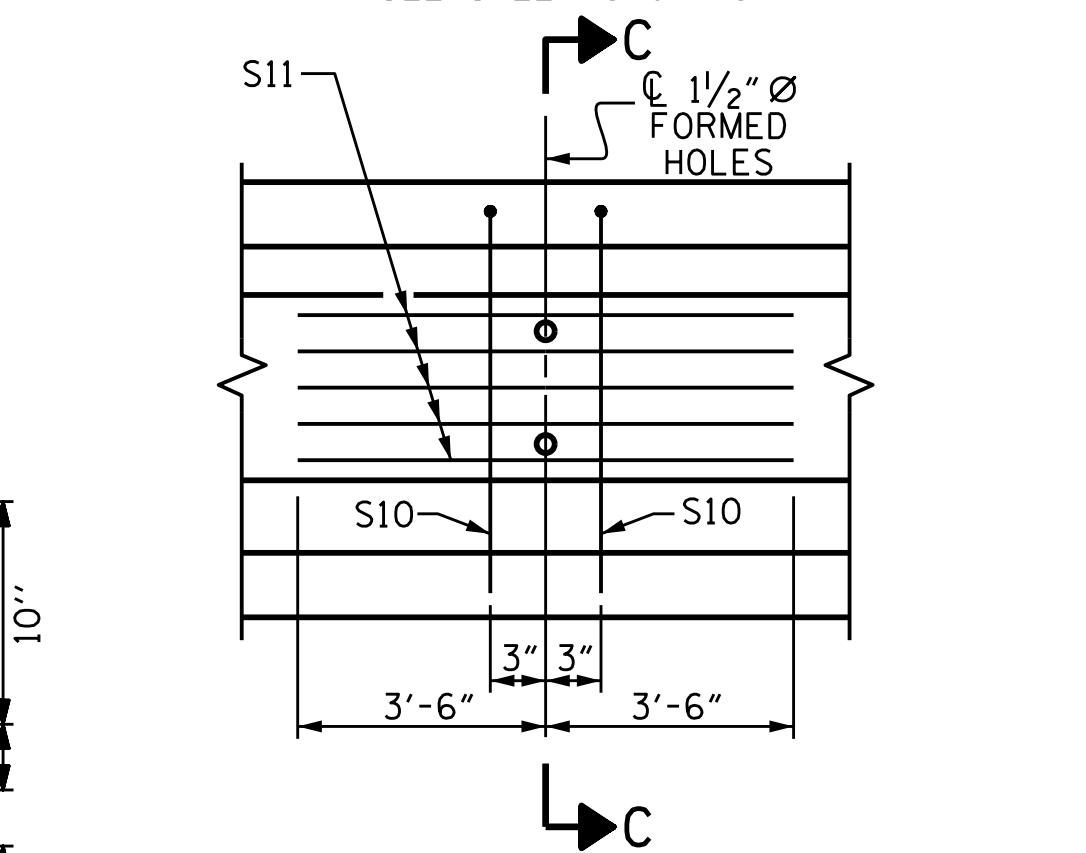
GIRDERS REQUIRED		
NUMBER	LENGTH	TOTAL LENGTH
6	84'-5 7/8"	506'-11 1/4"



PLAN OF GIRDER



ELEVATION OF GIRDER (SEE PARTIAL ELEVATION FOR ADDITIONAL "S" BARS)

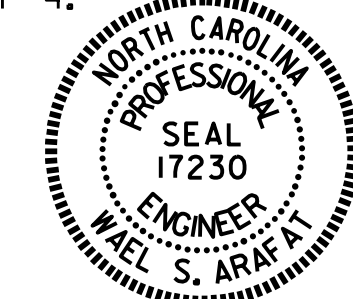


SHOWING INTERMEDIATE DIAPHRAGM REINFORCING STEEL FOR GIRDERS B1 & B6. FOR LOCATION OF BOLT HOLES IN GIRDERS, SEE SHEET 3 OF 4.

PROJECT NO. R-2915A  
WATAUGA/ASHE COUNTY  
STATION: 11+18.63 -L-

SHEET 2 OF 4

STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH  
STANDARD  
AASHTO TYPE IV  
PRESTRESSED CONCRETE GIRDER  
CONTINUOUS FOR LIVE LOAD  
SPAN B



REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-11
1			3			TOTAL SHEETS
2			4			31

ASSEMBLED BY: V.X. NGUYEN	DATE: 8-5-14
CHECKED BY: D. HODGE	DATE: 2-15
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
DESIGN ENGINEER OF RECORD: A.M. LEE	DATE: 4-15