

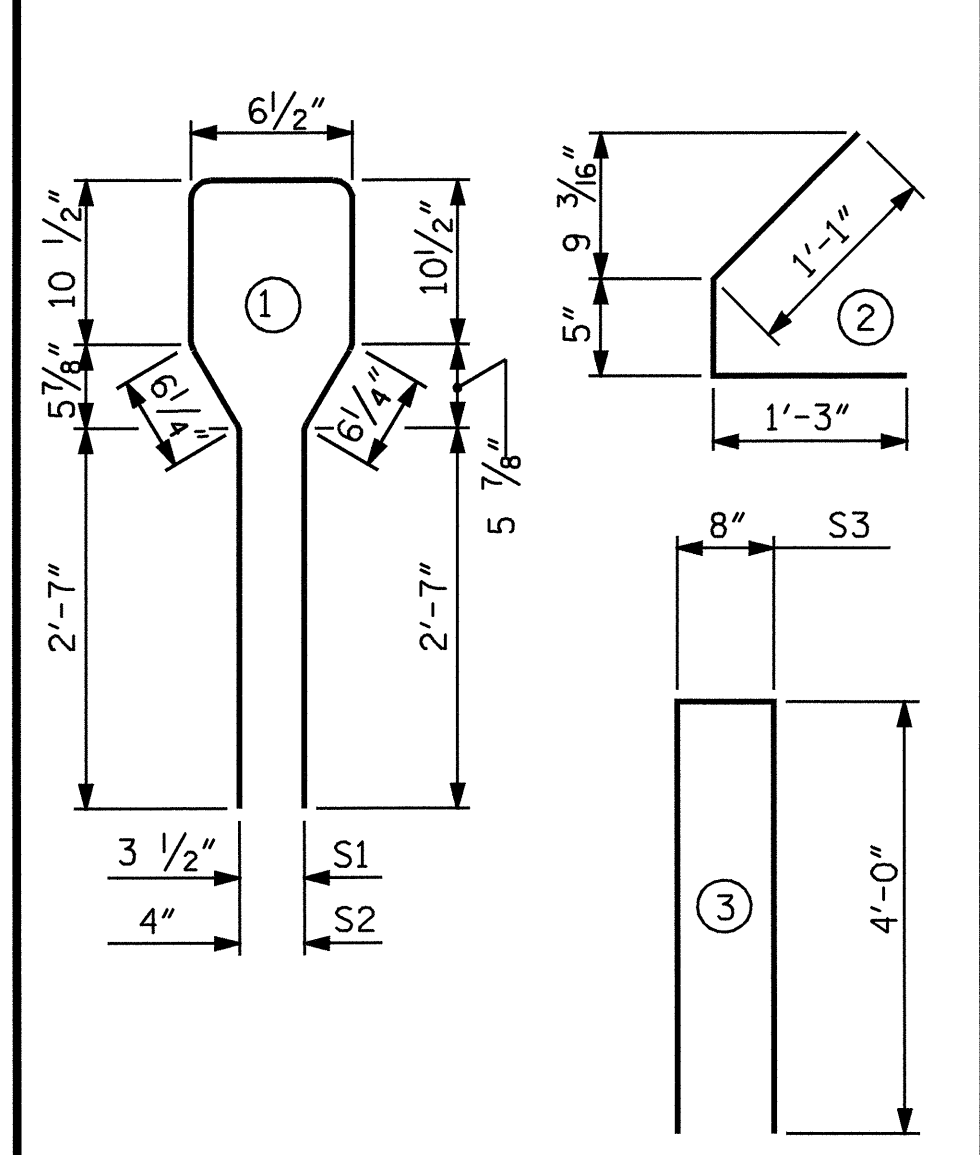
DIAPHRAGM LOCATION	
GIRDER	DIMENSION A
B1	1'-9"
B2	1'-7"
B3	1'-6"
B4	1'-8"

1/2" Ø L.R. GRADE 270 STRANDS		
AREA (SQUARE INCHES)	ULTIMATE STRENGTH (LBS. PER STRAND)	APPLIED PRESTRESS (LBS. PER STRAND)
0.153	41,300	30,980

REINFORCING STEEL FOR ONE GIRDER					
BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT
S1	48	#4	1	8'-6"	273
S2	12	#6	1	8'-6"	153
S3	4	#4	3	8'-8"	23
S4	60	#4	2	2'-9"	110
* S6	8	#5	STR	3'-8"	31

* NOTE: S6 BARS SHALL BE BENT BEFORE SHIPMENT. HEAT BENDING SHALL NOT BE ALLOWED.

BAR TYPES
ALL BAR DIMENSIONS ARE OUT-TO-OUT

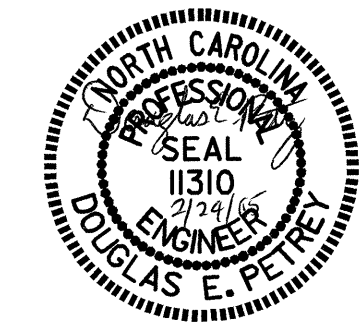


QUANTITIES FOR ONE GIRDER		
REINFORCING STEEL	6000 PSI CONCRETE	1/2" Ø L.R. STRANDS
LB.	C.Y.	No.
590	9.2	28

GIRDERS REQUIRED		
NUMBER	LENGTH	TOTAL LENGTH
B1 - B4	64'-2"	256.67'

PROJECT NO. B-3922
WATAUGA COUNTY
 STATION: 11+06.50 -L-

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



ASSEMBLED BY : A.R.CHESSON	DATE : 7-04	CADD STANDARD
CHECKED BY : B.N.GRADY	DATE : 9-04	
DRAWN BY : RB	2/97	REV. 8/16/99 ARB/LES
CHECKED BY : VP	2/97	

REVISIONS						SHEET NO.	
NO.	BY:	DATE:	NO.	BY:	DATE:	S-12	
1			3			TOTAL SHEETS	
2			4			41	