

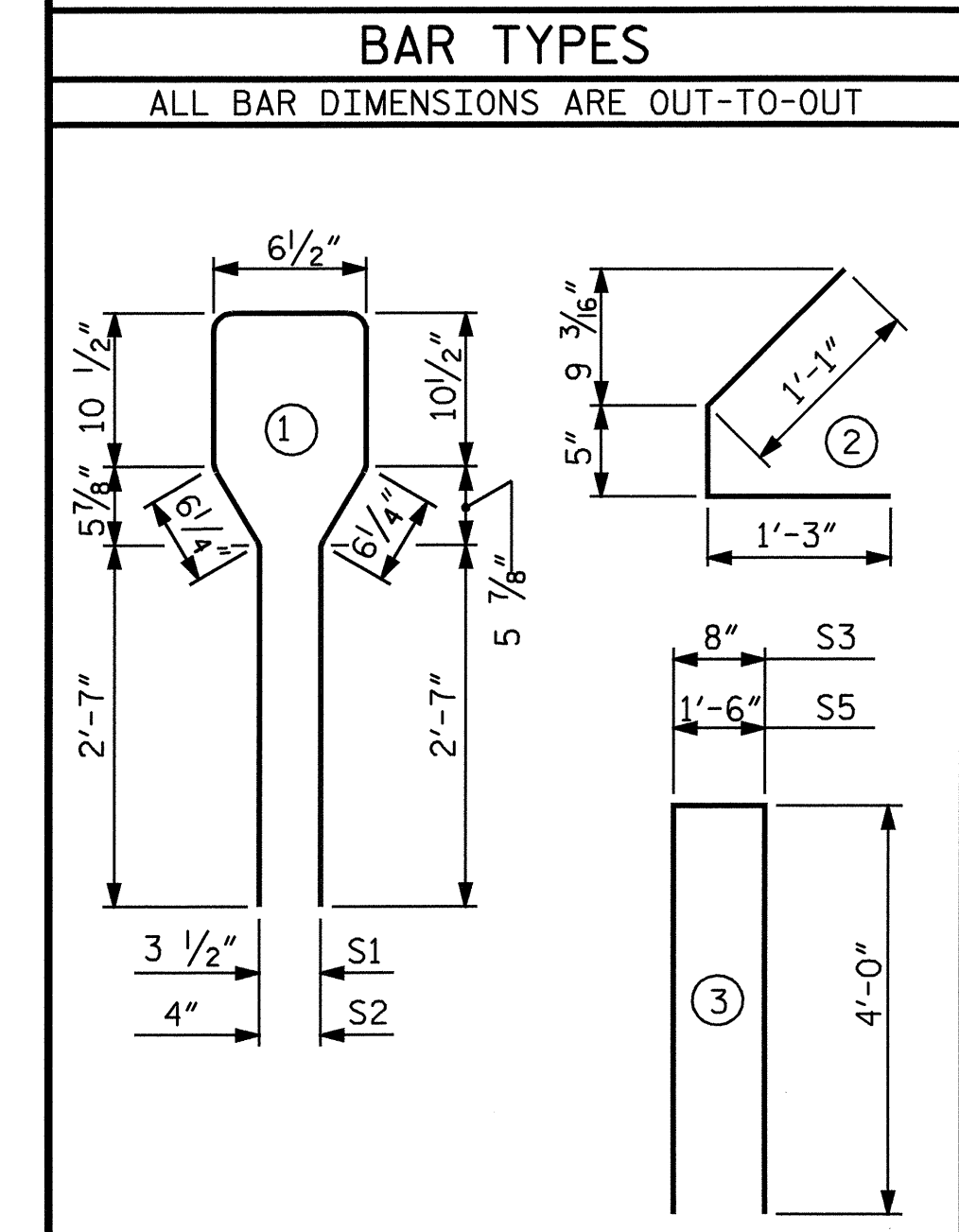
GIRDER DIMENSIONS			
GIRDER	DIMENSION A	DIMENSION B	DIMENSION C
C1	38'-1"	19'-0 1/2"	8 1/2"
C2	38'-1 5/8"	19'-0 3/16"	8 3/16"
C3	38'-3 1/2"	19'-1 3/4"	9 3/4"
C4	38'-6 3/4"	19'-3 3/8"	11 3/8"

GIRDERS REQUIRED	
NUMBER	LENGTH
C1	38'-1"
C2	38'-1 5/8"
C3	38'-3 1/2"
C4	38'-6 3/4"
TOTAL LENGTH	153.07'

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	34	#4	1	8'-6"	193
S2	12	#6	1	8'-6"	153
S3	4	#4	3	8'-8"	23
S4	60	#4	2	2'-9"	110
S5	1	#4	3	9'-6"	6
* S6	4	#5	STR	3'-8"	15

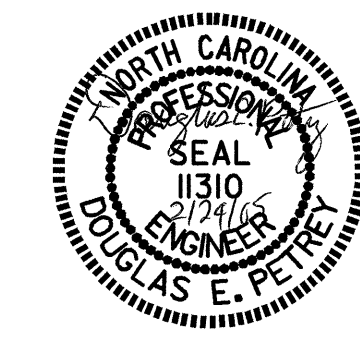
* NOTE: S6 BARS SHALL BE BENT BEFORE SHIPMENT. HEAT BENDING SHALL NOT BE ALLOWED.



QUANTITIES FOR ONE GIRDER			
GIRDER	REINFORCING STEEL LB.	5000 PSI CONCRETE C.Y.	1/2" Ø L.R. STRANDS No.
C1	500	5.5	12
C2	500	5.5	12
C3	500	5.5	12
C4	500	5.5	12

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 C



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

REVISIONS						SHEET NO.	
NO.	BY:	DATE:	NO.	BY:	DATE:	S-13	
1			3			TOTAL SHEETS	41
2			4				