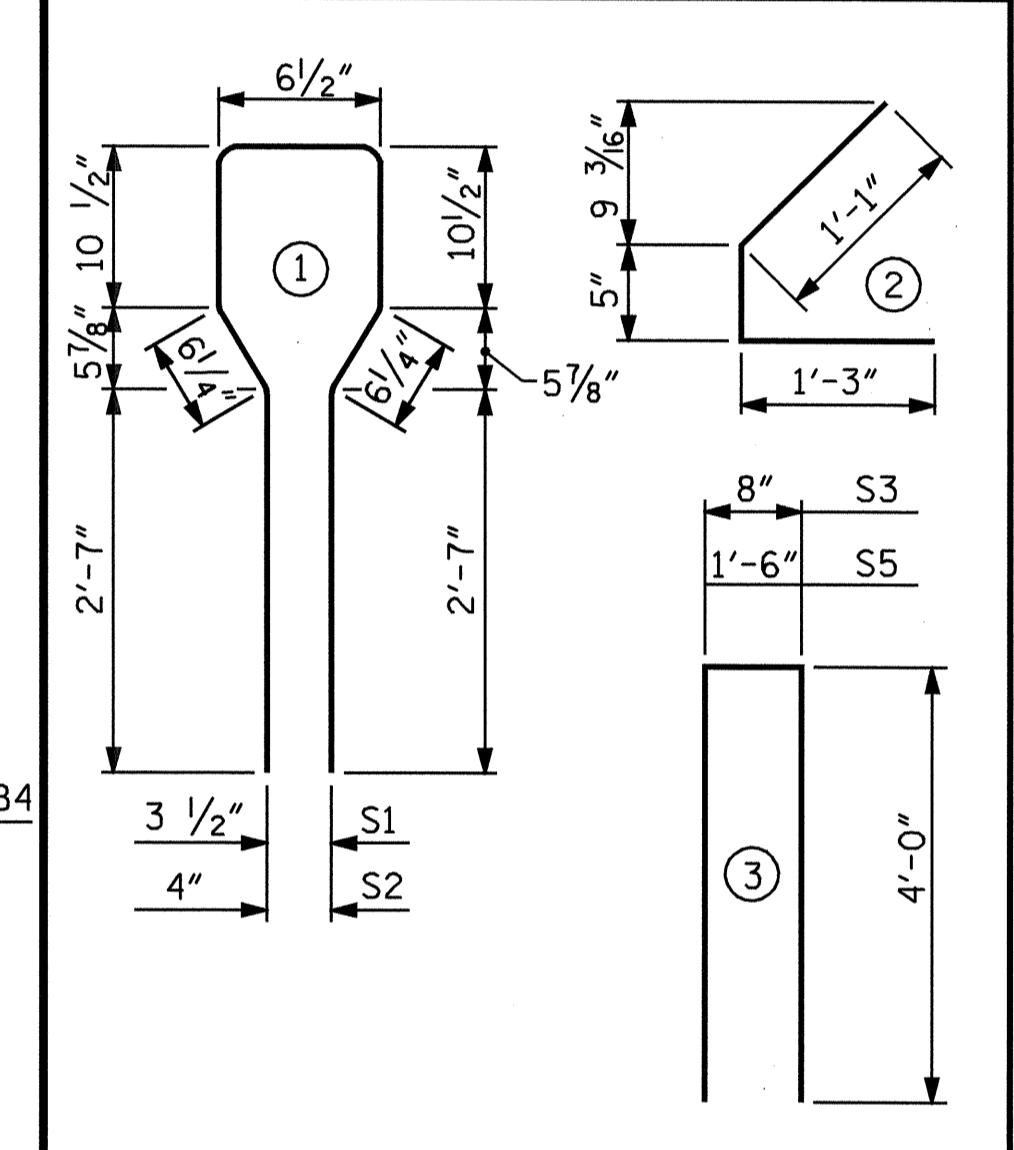


1/2" Ø L. R. GRADE 270 STRANDS		
AREA (SQUARE INCHES)	ULTIMATE STRENGTH (LBS. PER STRAND)	APPLIED PRESTRESS (LBS. PER STRAND)
0.153	41,300	30,980

REINFORCING STEEL FOR ONE GIRDER						
BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT	
GDR. B1	S1	S2	#4	1	8'-6"	295
GDRS. B2 THRU B4	S1	S2	#4	1	8'-6"	284
GDR. B5	S1	S2	#4	1	8'-6"	307
	S2	S3	#6	1	8'-6"	153
	S3	S4	#4	3	8'-8"	23
GDRS. B1 THRU B4	S4	S5	#4	2	2'-9"	110
GDR. B5	S4	S5	#4	2	2'-9"	118
	S5	S6	#4	3	9'-6"	6
	*S6		#5	STR	3'-8"	15

* 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	6200 PSI CONCRETE	1/2" Ø L.R. STRANDS
	LB.	C.Y.	No.
GIRDER B1	602	9.6	24
GIRDER B2	591	9.6	24
GIRDER B3	591	9.7	24
GIRDER B4	591	9.7	24
GIRDER B5	622	9.7	24

PROJECT NO. B-3310
BUNCOMBE COUNTY
STATION: 19+80.00 -L-

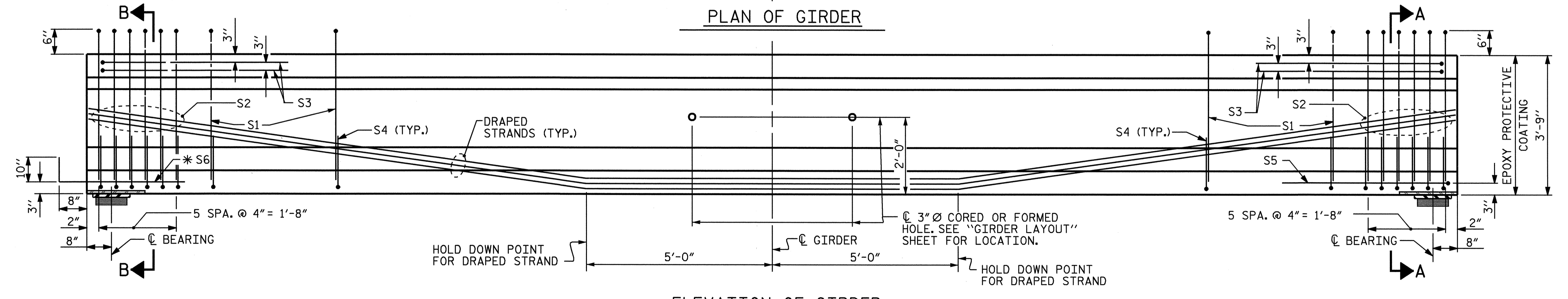
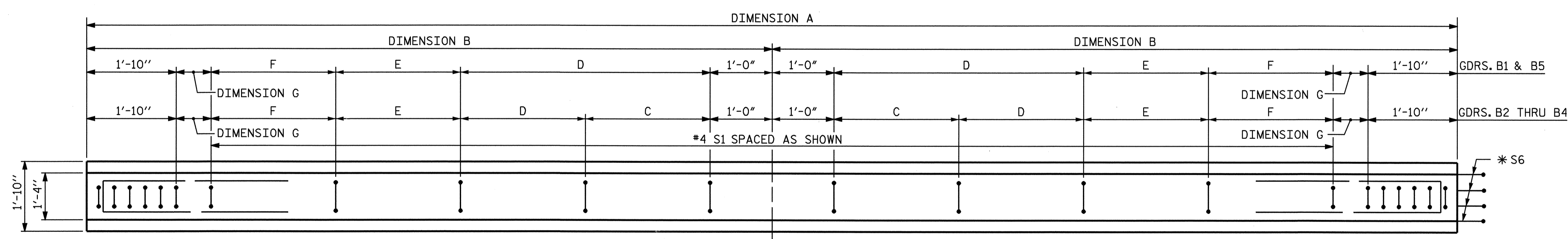
SHEET 2 OF 3

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

AASHTO TYPE III
PRESTRESSED CONCRETE GIRDER
CONTINUOUS FOR LIVE LOAD
SPAN B

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

SHEET NO. S-11
TOTAL SHEETS 32



GIRDER DETAILS							
	DIMENSION A	DIMENSION B	C	D	E	F	DIMENSION G
GIRDER B1	66'-8 3/8"	33'-4 3/16"		6 SPA. @ 1'-9"	11 SPA. @ 1'-5"	8 SPA. @ 6"	5 3/16"
GIRDER B2	66'-10 3/4"	33'-5 5/8"	2 SPA. @ 1'-11"	8 SPA. @ 1'-9"	6 SPA. @ 1'-5"	8 SPA. @ 6"	3 3/8"
GIRDER B3	67'-1 1/4"	33'-6 5/8"	2 SPA. @ 1'-11"	8 SPA. @ 1'-9"	6 SPA. @ 1'-5"	8 SPA. @ 6"	4 5/8"
GIRDER B4	67'-3 3/8"	33'-7 5/16"	2 SPA. @ 1'-11"	8 SPA. @ 1'-9"	6 SPA. @ 1'-5"	8 SPA. @ 6"	5 5/16"
GIRDER B5	67'-6 1/2"	33'-9 1/4"		6 SPA. @ 1'-9"	11 SPA. @ 1'-5"	9 SPA. @ 6"	4 1/4"

GIRDERS REQUIRED	
NUMBER	LENGTH
GIRDER B1	66'-8 3/8"
GIRDER B2	66'-10 3/4"
GIRDER B3	67'-1 1/4"
GIRDER B4	67'-3 3/8"
GIRDER B5	67'-6 1/2"
TOTAL LENGTH	335'-6 3/4"



ASSEMBLED BY: A.R.CHESSON DATE: 7-03
CHECKED BY: S.H.SOCKWELL DATE: 11-03
DRAWN BY: RB 2/97 REV. 8/16/99 ARB/LES
CHECKED BY: VP 2/97

CADD STANDARD