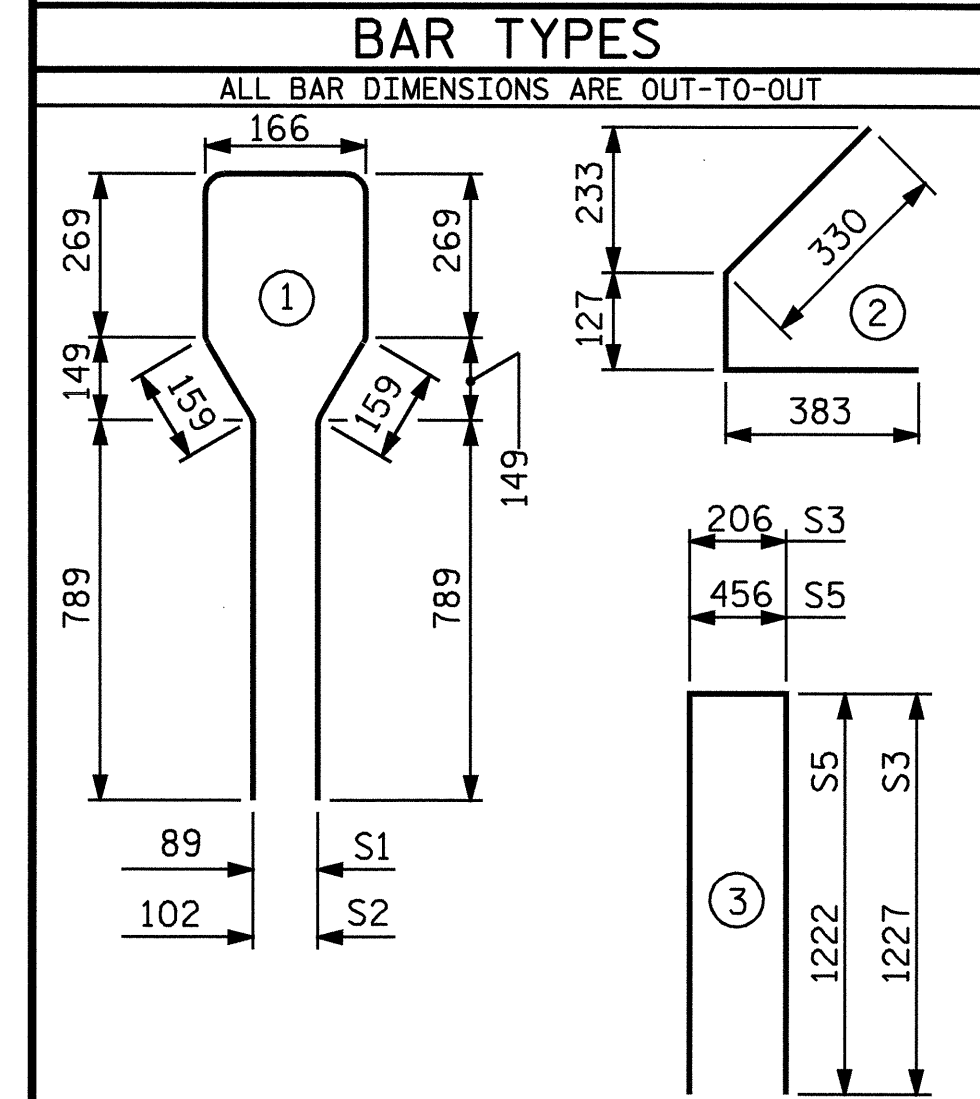


12.70mm Ø L. R. GRADE 270 STRANDS					
AREA (mm <sup>2</sup> )	ULTIMATE STRENGTH (kN PER STRAND)	APPLIED PRESTRESS (kN PER STRAND)			
98.71	183.7	137.8			
REINFORCING STEEL FOR ONE GDR.					
BAR NUMBER	SIZE	TYPE	LENGTH	WEIGHT	
GDR. C1	S1	#13	1	2600	134
GDR. C2	S1	#13	1	2600	140
GDR. C3	S1	#13	1	2600	140
GDR. C4	S1	#13	1	2600	140
GDR. C5	S1	#13	1	2600	140
GDR. C6	S1	#13	1	2600	145
	S2	#19	1	2600	70
	S3	#13	3	2660	11
	S4	#13	2	840	50
	S5	#13	3	2900	3
	*S6	#16 STR	1120	7	



**QUANTITIES FOR ONE GIRDER**

	REINFORCING STEEL	41.4 MPa CONCRETE	12.70mm Ø L.R. STRANDS
	kg	m <sup>3</sup>	No.
GIRDER C1	275	7.551	30
GIRDER C2	281	7.574	30
GIRDER C3	281	7.597	30
GIRDER C4	281	7.620	30
GIRDER C5	281	7.643	30
GIRDER C6	286	7.666	30

**GIRDERS REQUIRED**

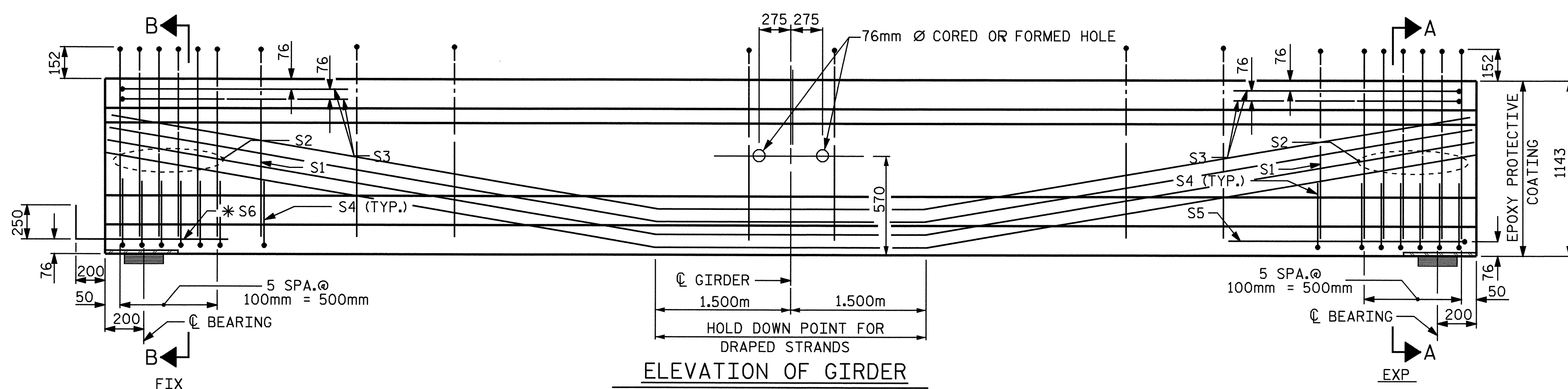
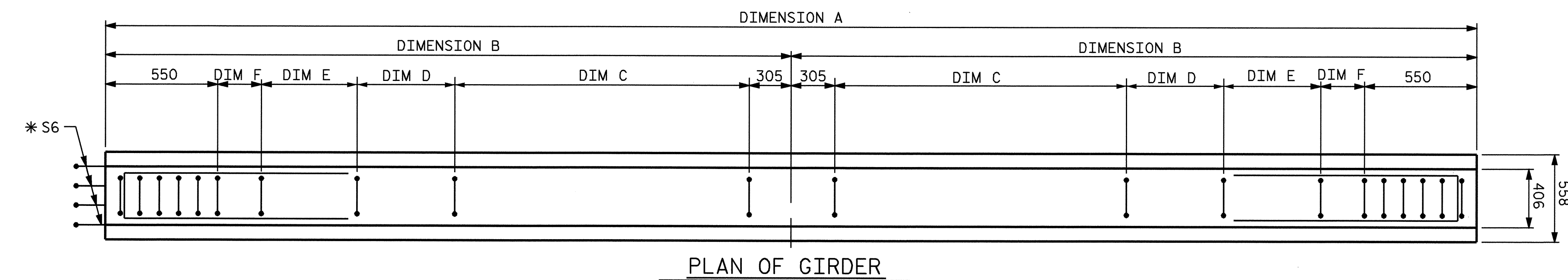
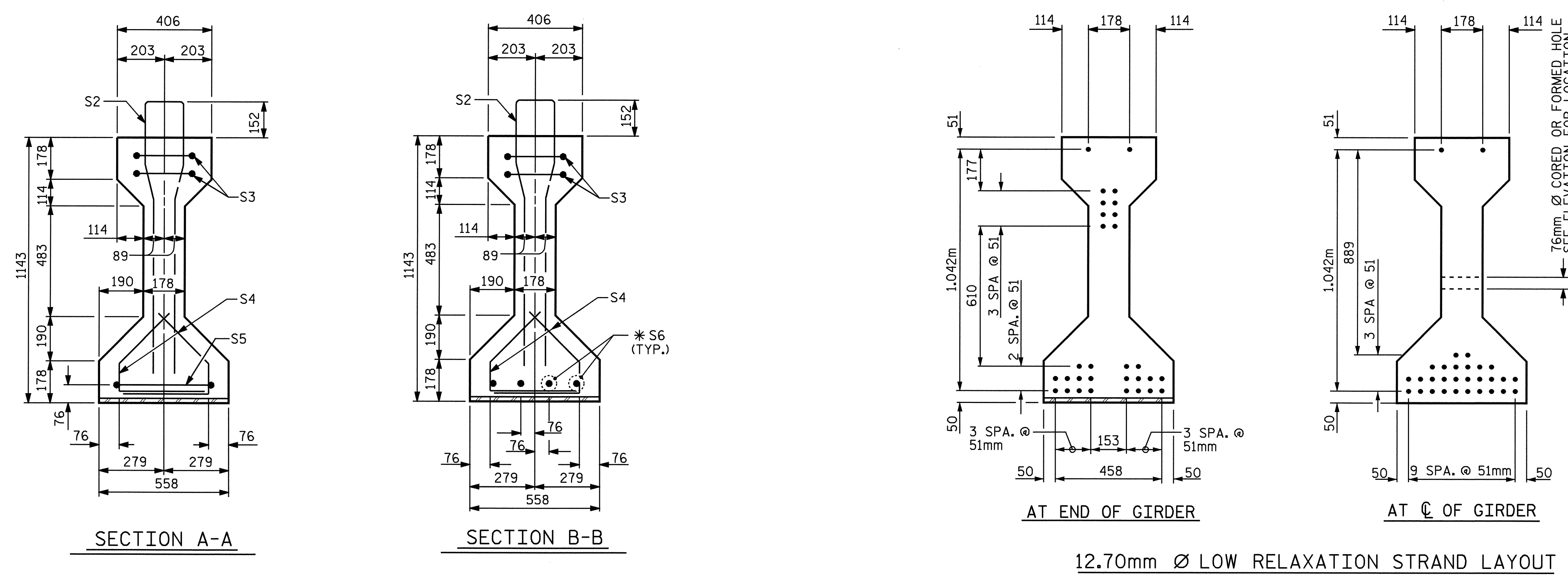
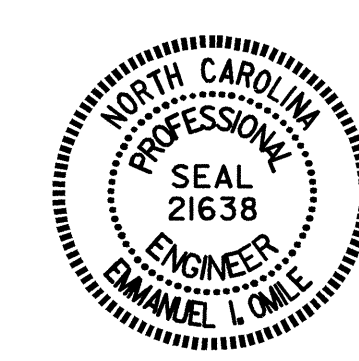
NUMBER	LENGTH	TOTAL LENGTH
6	VARIABLES	126.456

PROJECT NO. R-2562C  
BLADEN COUNTY  
 STATION: 178+79.500 -L- REV

SHEET 3 OF 4

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH  
 STANDARD  
 AASHTO TYPE III  
 PRESTRESSED CONCRETE  
 GIRDER CONTINUOUS  
 FOR LIVE LOAD  
 (SPAN C) (RIGHT LANE)

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-46
1			3			TOTAL SHEETS 68
2			4			



**GIRDER DIMENSIONS**

	SPAN C					
	DIMENSION A	DIMENSION B	DIMENSION C	DIMENSION D	DIMENSION E	DIMENSION F
GIRDER C1	20.916 m	10.458 m	15 SPA @ 500	9 SPA @ 200	103	2 SPA @ 100
GIRDER C2	20.980 m	10.490 m	15 SPA @ 500	9 SPA @ 200	135	2 SPA @ 100
GIRDER C3	21.044 m	10.522 m	15 SPA @ 500	9 SPA @ 200	67	3 SPA @ 100
GIRDER C4	21.108 m	10.554 m	15 SPA @ 500	9 SPA @ 200	99	3 SPA @ 100
GIRDER C5	21.172 m	10.586 m	15 SPA @ 500	9 SPA @ 200	131	3 SPA @ 100
GIRDER C6	21.236 m	10.618 m	15 SPA @ 500	9 SPA @ 200	63	4 SPA @ 100

ASSEMBLED BY : J. G. KHARVA DATE : 06-08-04  
 CHECKED BY : E. L. OMILE DATE : 08-24-04  
 DRAWN BY : ELR 8/91 REV. 5/16/97 EEM/RGW  
 CHECKED BY : GRP 8/91 REV. 7/17/98 RWW/LES  
 REV. 10/17/00 RWW/LES