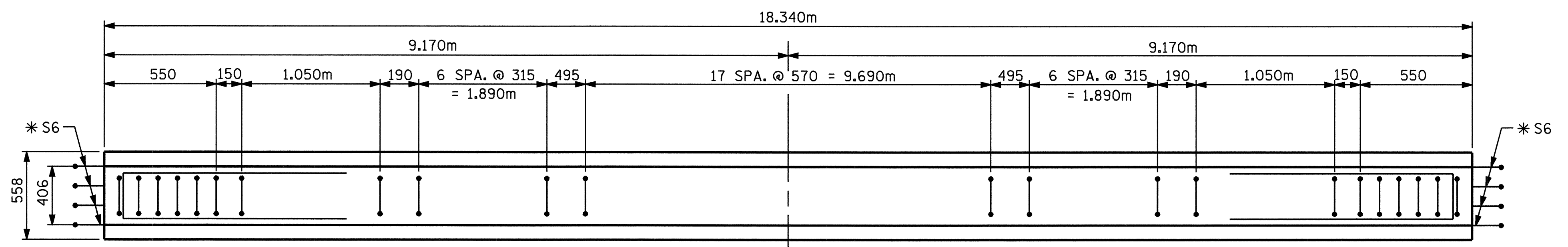
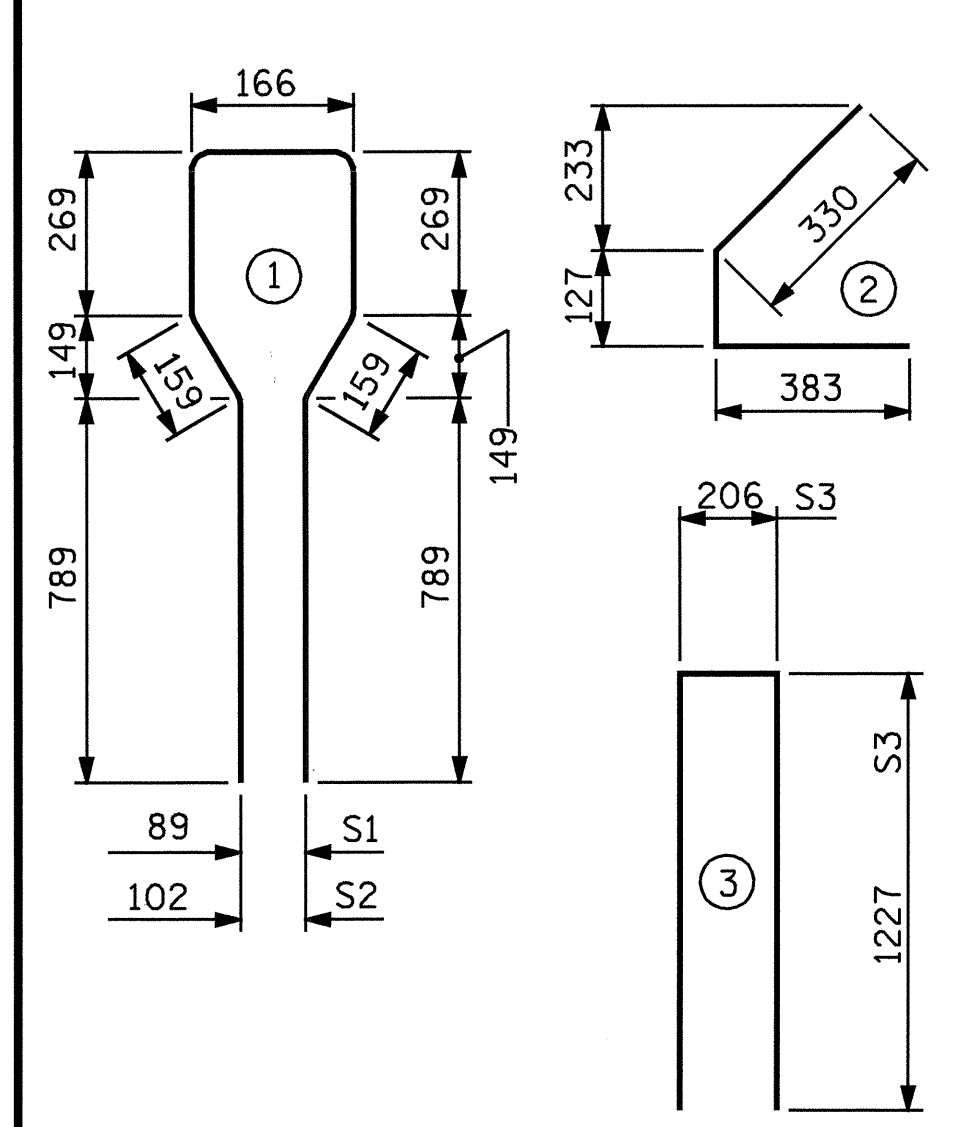


12.70mm Ø L. R. GRADE 270 STRANDS		
AREA (mm <sup>2</sup> )	ULTIMATE STRENGTH (KN PER STRAND)	APPLIED PRESTRESS (KN PER STRAND)
98.71	183.7	137.8

REINFORCING STEEL FOR ONE GIRDER					
BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT
S1	48	#13	1	2600	124
S2	12	#19	1	2600	70
S3	4	#13	3	2660	11
S4	56	#13	2	840	47
*S6	8	#16	STR	1120	14

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

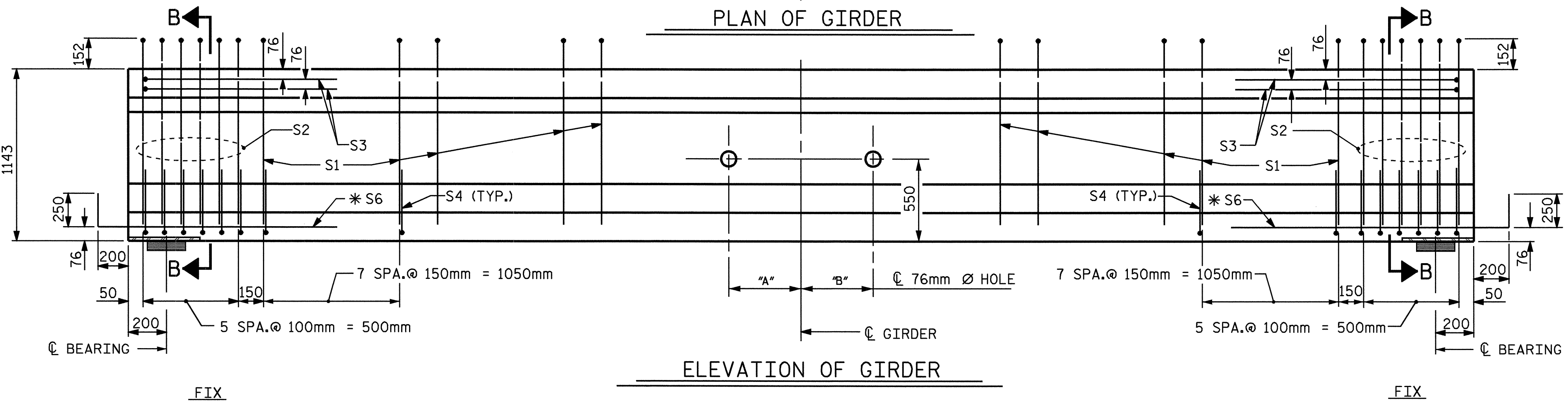
**BAR TYPES**  
ALL BAR DIMENSIONS ARE OUT-TO-OUT



QUANTITIES FOR ONE GIRDER			
REINFORCING STEEL	39.3 MPa CONCRETE	12.70mm Ø L.R. STRANDS	
kg	m <sup>3</sup>	No.	
266	6.6	28	

GIRDERS REQUIRED		
NUMBER	LENGTH	TOTAL LENGTH
4	18.340m	73.360m

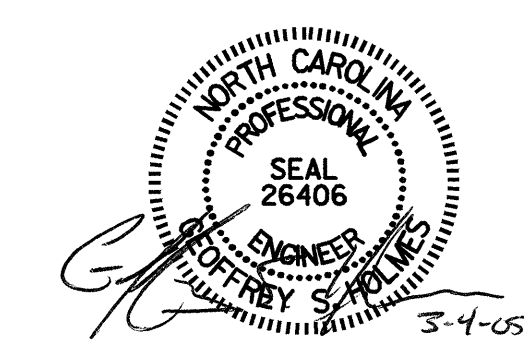
PROJECT NO. R-2552 B  
JOHNSTON COUNTY  
STATION: 14+72.000-Y11-REV



Ø 76mm Ø HOLE DIMENSIONS		
GIRDER	"A"	"B"
1	361	—
2	361	361
3	361	361
4	—	361

ASSEMBLED BY : R.D. MARTIN DATE : 8/25/04  
CHECKED BY : H. A. LUCAS DATE : 2/18/05  
DRAWN BY : ELR 8/91  
CHECKED BY : GRP 8/91

REV. 5/16/97 EEM/RGM  
REV. 7/17/98 RWW/LES  
REV. 10/17/00 RWW/LES



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH

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

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	TOTAL SHEETS
1			3			5-161
2			4			431