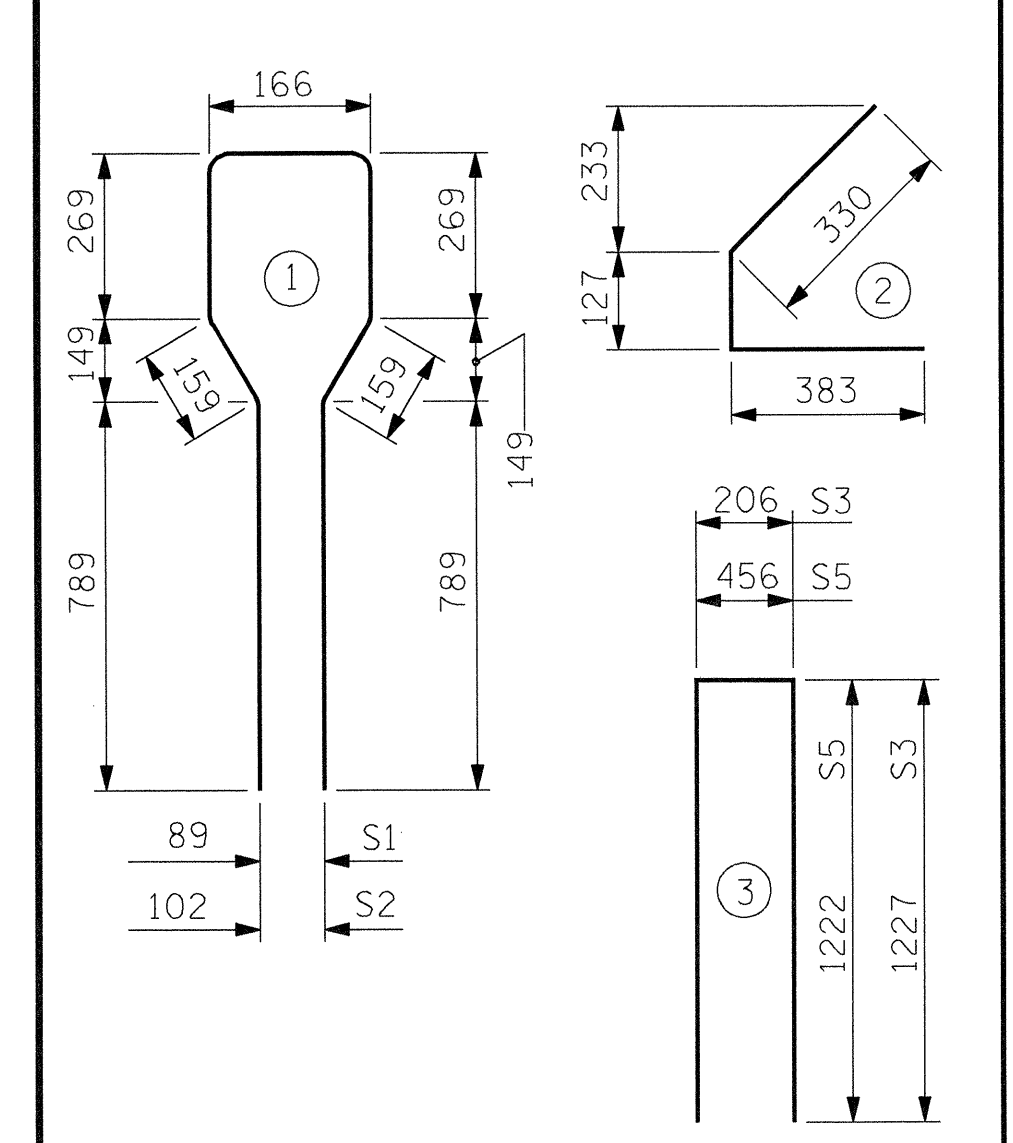


12.70mm Ø L. R. GRADE 270 STRANDS		
AREA (mm ²)	ULTIMATE STRENGTH (kN PER STRAND)	APPLIED PRESTRESS (kN PER STRAND)
98.71	183.7	137.8

REINFORCING STEEL FOR ONE GIRDER						
BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT	
S1	30	#13	1	2600	78	
S2	12	#19	1	2600	70	
S3	4	#13	3	2660	11	
S4	56	#13	2	840	47	
S5	1	#13	3	2900	3	
* S6	4	#16	STR	1120	7	

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

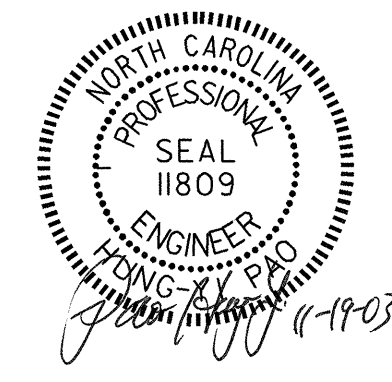
BAR TYPES
 ALL BAR DIMENSIONS ARE OUT-TO-OUT



QUANTITIES FOR ONE GIRDER			
	REINFORCING STEEL	34.5 MPa CONCRETE	12.70mm Ø L.R. STRANDS
	kg	m ³	No.
SPAN C	216	4.2	10

GIRDERS REQUIRED		
NUMBER	LENGTH	TOTAL LENGTH
5	11.696m	58.480m

PROJECT NO. R-2610A
 CHATHAM COUNTY
 STATION: 18+04.666 -L-



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

REVISIONS						SHEET NO.	
NO.	BY:	DATE:	NO.	BY:	DATE:	S-13	
1			3			TOTAL SHEETS	
2			4			82	

Stantec Consulting Services Inc.
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 Raleigh, NC 27606
 Tel. 919.851.6866
 Fax. 919.851.7024
 www.stantec.com

ASSEMBLED BY : M. J. OSTRISHKO	DATE : 7-10-03
CHECKED BY : H. PAO	DATE : 9-19-03
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