

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

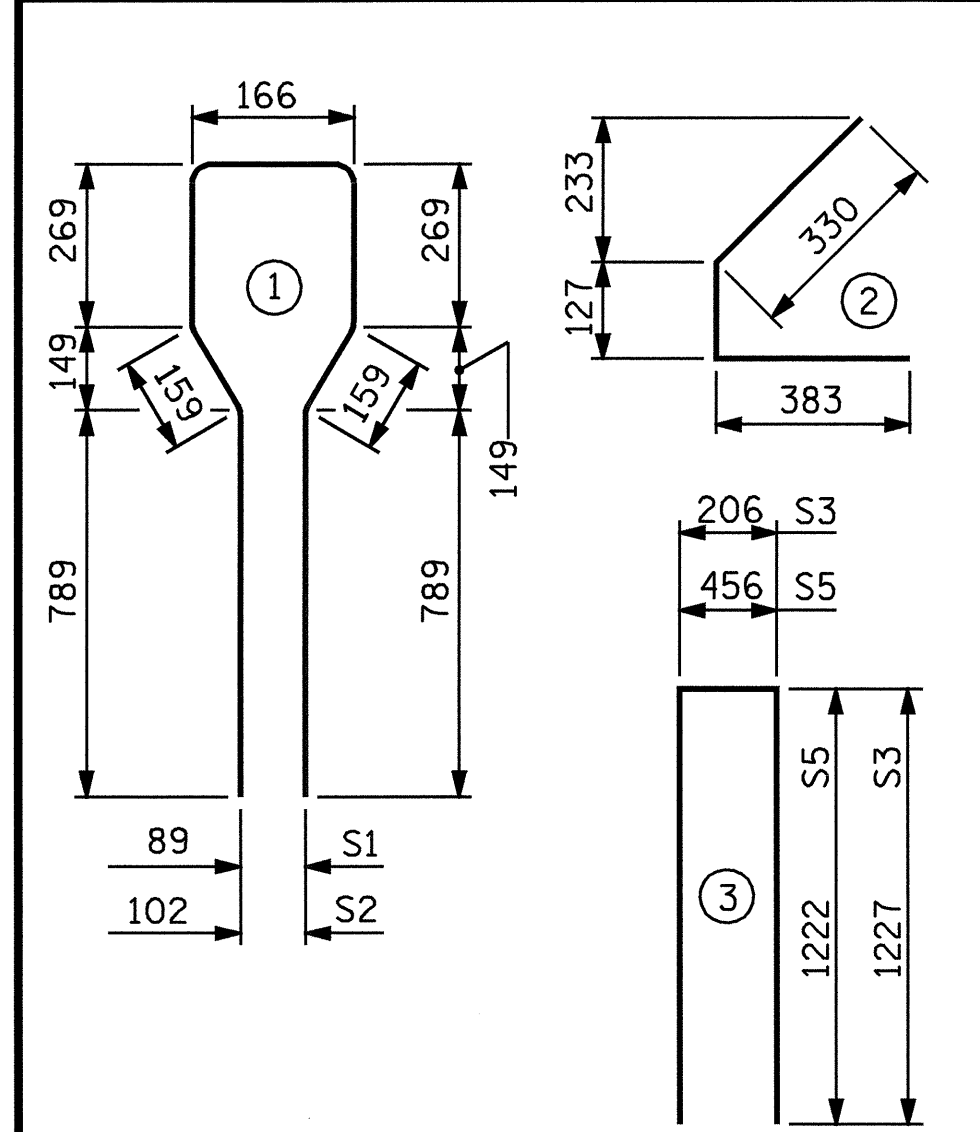
SPAN C		
Ø 76mm Ø HOLE DIMENSIONS		
GIRDER	"A"	"B"
1	—	361
2	361	361
3	361	361
4	361	—

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
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

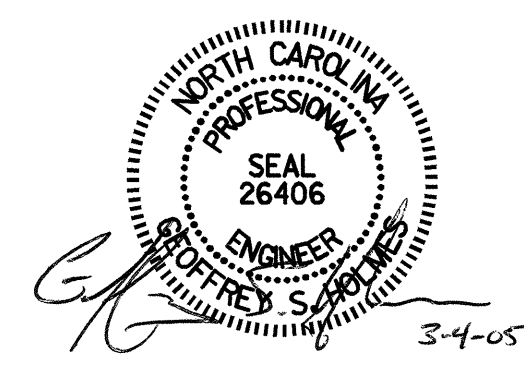


QUANTITIES FOR ONE GIRDER			
	REINFORCING STEEL	39.3 MPa CONCRETE	12.70mm Ø L.R. STRANDS
	kg	m <sup>3</sup>	No.
	262	6.6	28

GIRDERS REQUIRED		
NUMBER	LENGTH	TOTAL LENGTH
8	18.340m	146.720m

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

STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH  
  
STANDARD  
AASHTO TYPE III  
PRESTRESSED CONCRETE GIRDER  
CONTINUOUS FOR LIVE LOAD  
SPANS A AND C



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/RGW  
REV. 7/17/98 RWW/LES  
REV. 10/17/00 RWW/LES

REVISIONS						TOTAL SHEETS
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			5-160
2			4			431