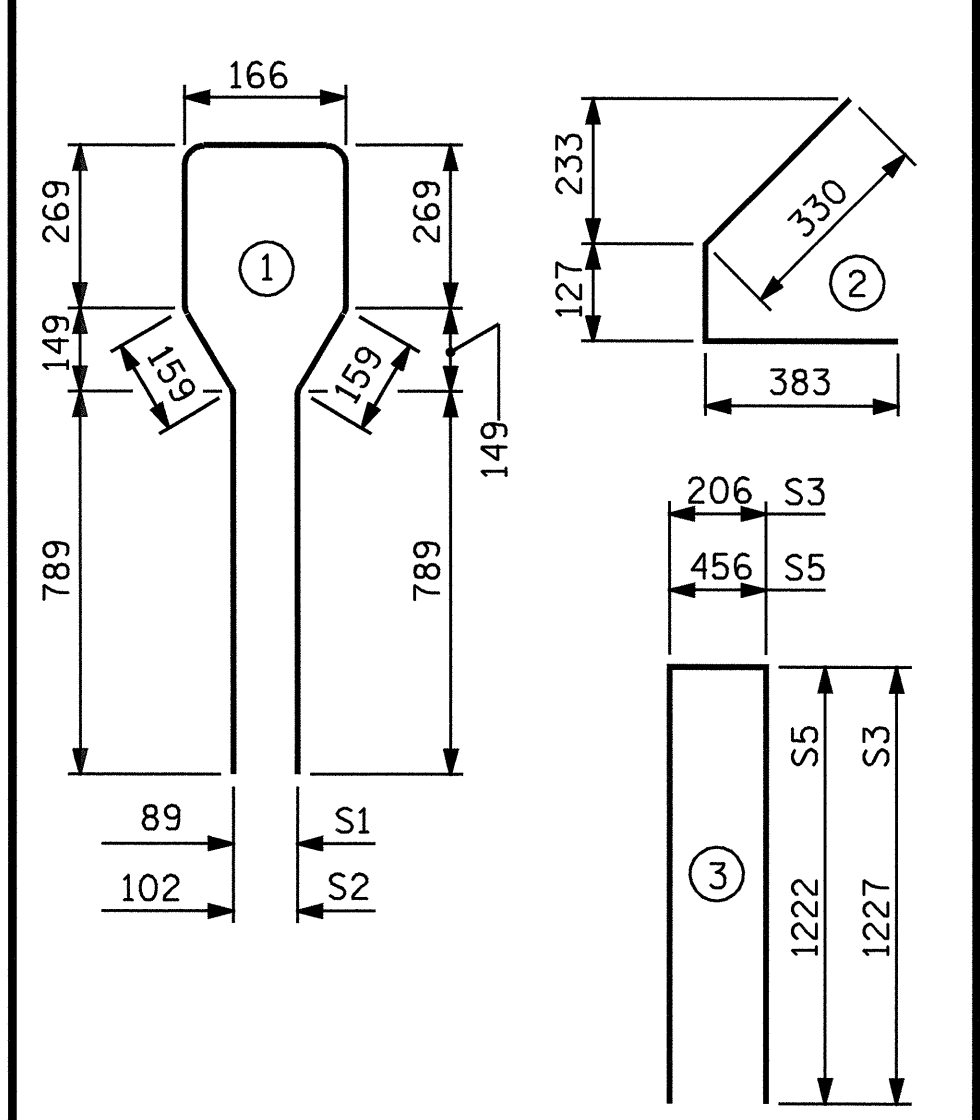


12.70mm Ø L. R. GRADE 270 STRANDS		
AREA (mm ²)	ULTIMATE STRENGTH (kN PER STRAND)	APPLIED PRESTRESS (kN PER STRAND)
98.71	183.7	137.8

REINFORCING STEEL FOR ONE GIRDER					
BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT
S1	74	#13	1	2600	191
S2	12	#19	1	2600	70
S3	4	#13	3	2660	11
S4	96	#13	2	840	80
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



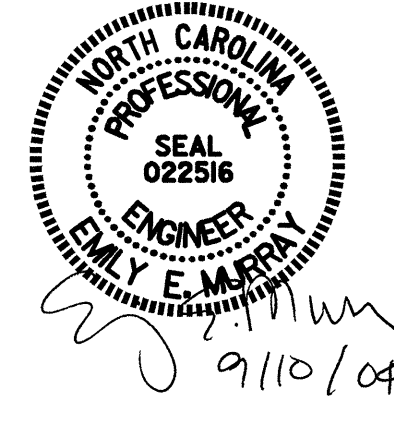
QUANTITIES FOR ONE GIRDER			
GIRDER	REINFORCING STEEL	41.4 MPa CONCRETE	12.70mm Ø L.R. STRANDS
	kg	m ³	No.
GIRDER	362	5.9	22

GIRDERS REQUIRED		
NUMBER	LENGTH	TOTAL LENGTH
8	16.220	129.760

PROJECT NO. R-2206C
LINCOLN-CATAWBA COUNTY
STATION: 256+91.000 -L-
SHEET 1 OF 3

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

REVISIONS					SHEET NO. 3-351
NO.	BY:	DATE:	NO.	BY:	
1			3		TOTAL SHEETS 374
2			4		



ASSEMBLED BY : PEGGY ADKINS DATE : 2-04
CHECKED BY : W. D. CRUTCHER DATE : 2-04
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