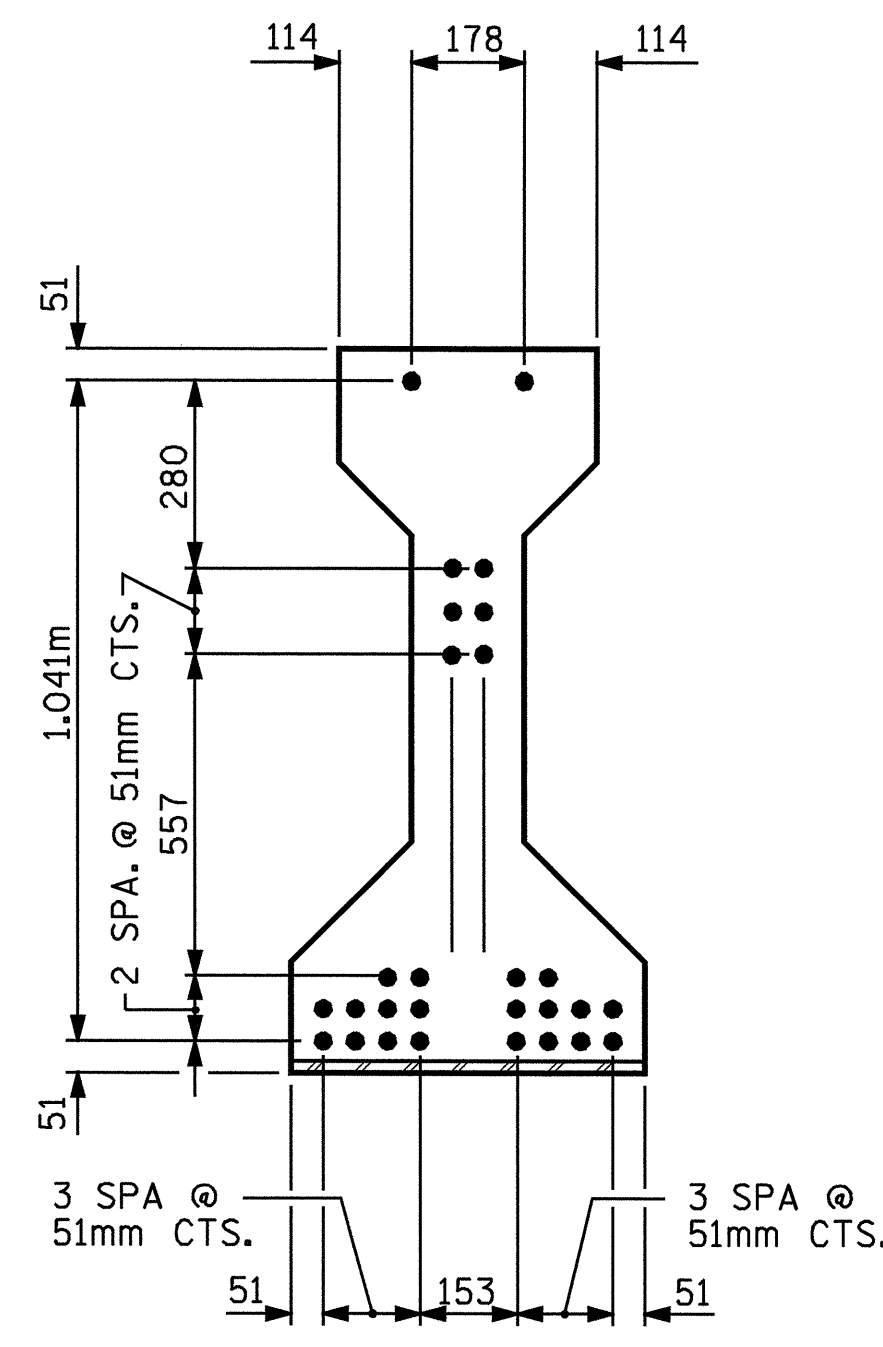
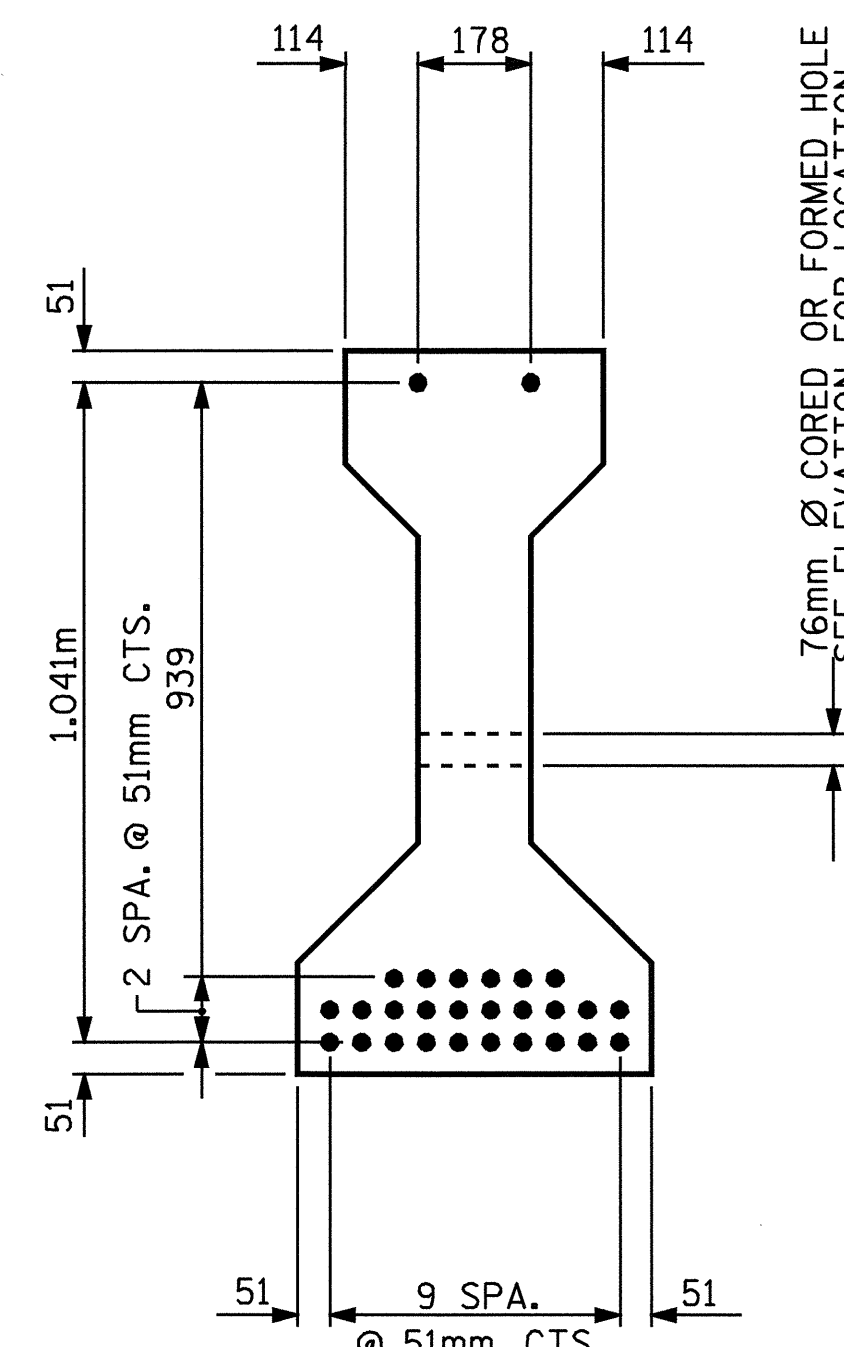


SECTION B-B

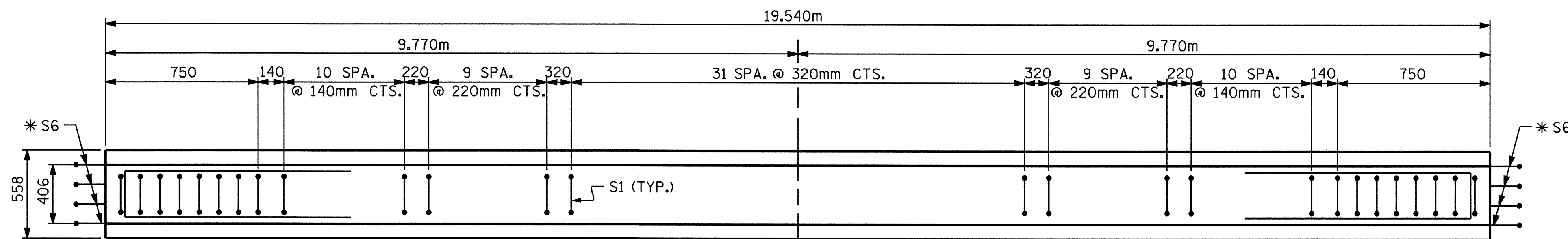


AT END OF GIRDER

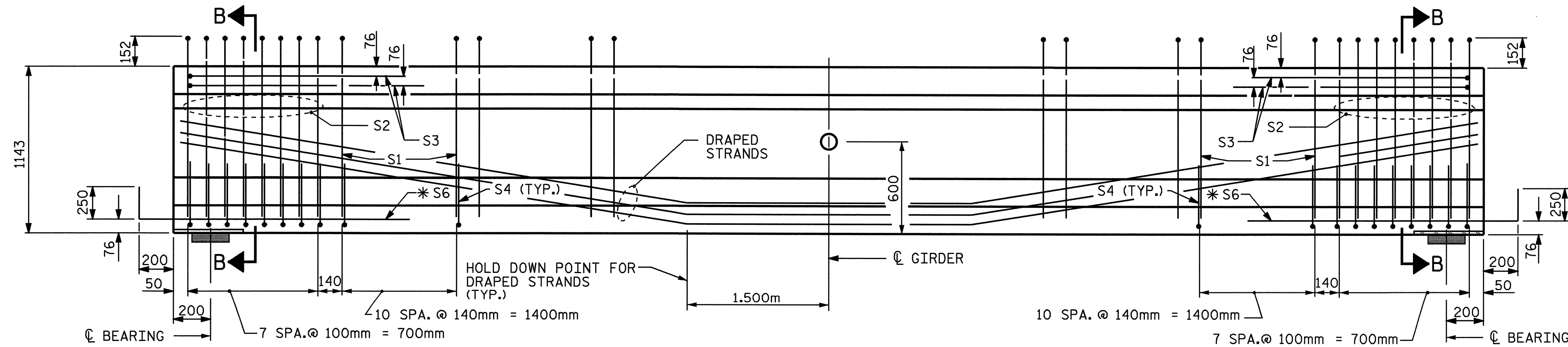


AT C OF GIRDER

12.70mm Ø LOW RELAXATION STRAND LAYOUT



PLAN OF GIRDER



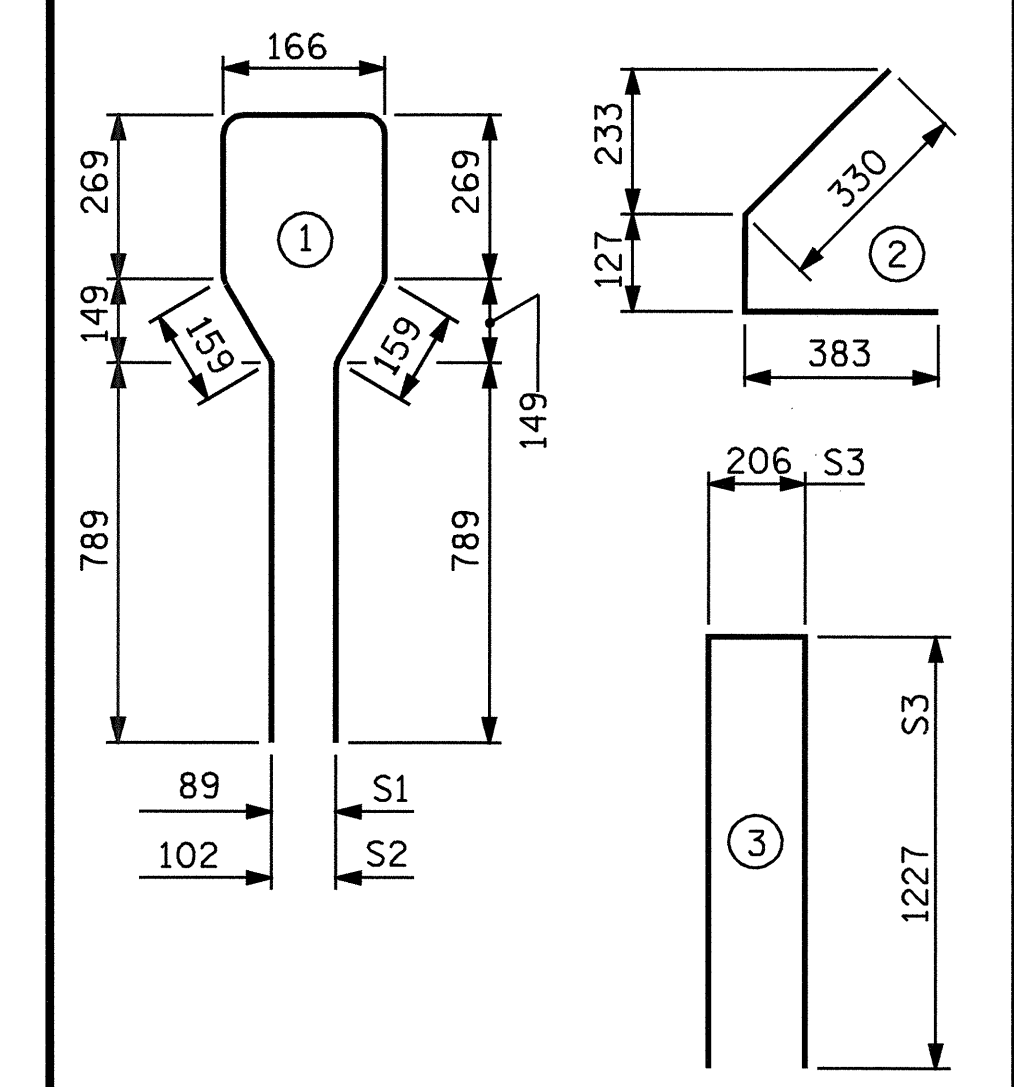
ELEVATION OF GIRDER

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	74	#13	1	2600	191
S2	16	#19	1	2600	93
S3	4	#13	3	2660	11
S4	76	#13	2	840	63
* 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



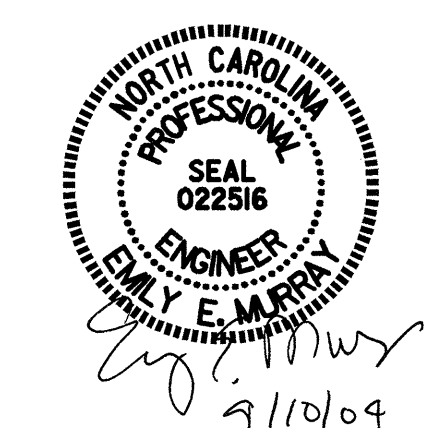
GIRDER	REINFORCING STEEL	41.4 MPa CONCRETE	12.70mm Ø L.R. STRANDS
	kg	m <sup>3</sup>	No.
GIRDER	372	7.1	28

GIRDERS REQUIRED		
NUMBER	LENGTH	TOTAL LENGTH
4	19.540	78.160

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

SHEET 2 OF 3

STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH  
STANDARD  
AASHTO TYPE III  
PRESTRESSED CONCRETE GIRDER  
CONTINUOUS FOR LIVE LOAD  
FOR SPAN "B"  
LEFT LANE



ASSEMBLED BY : PEGGY ADKINS	DATE : 1-04
CHECKED BY : W. D. CRUTCHER	DATE : 1-04
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

REVISIONS					SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		