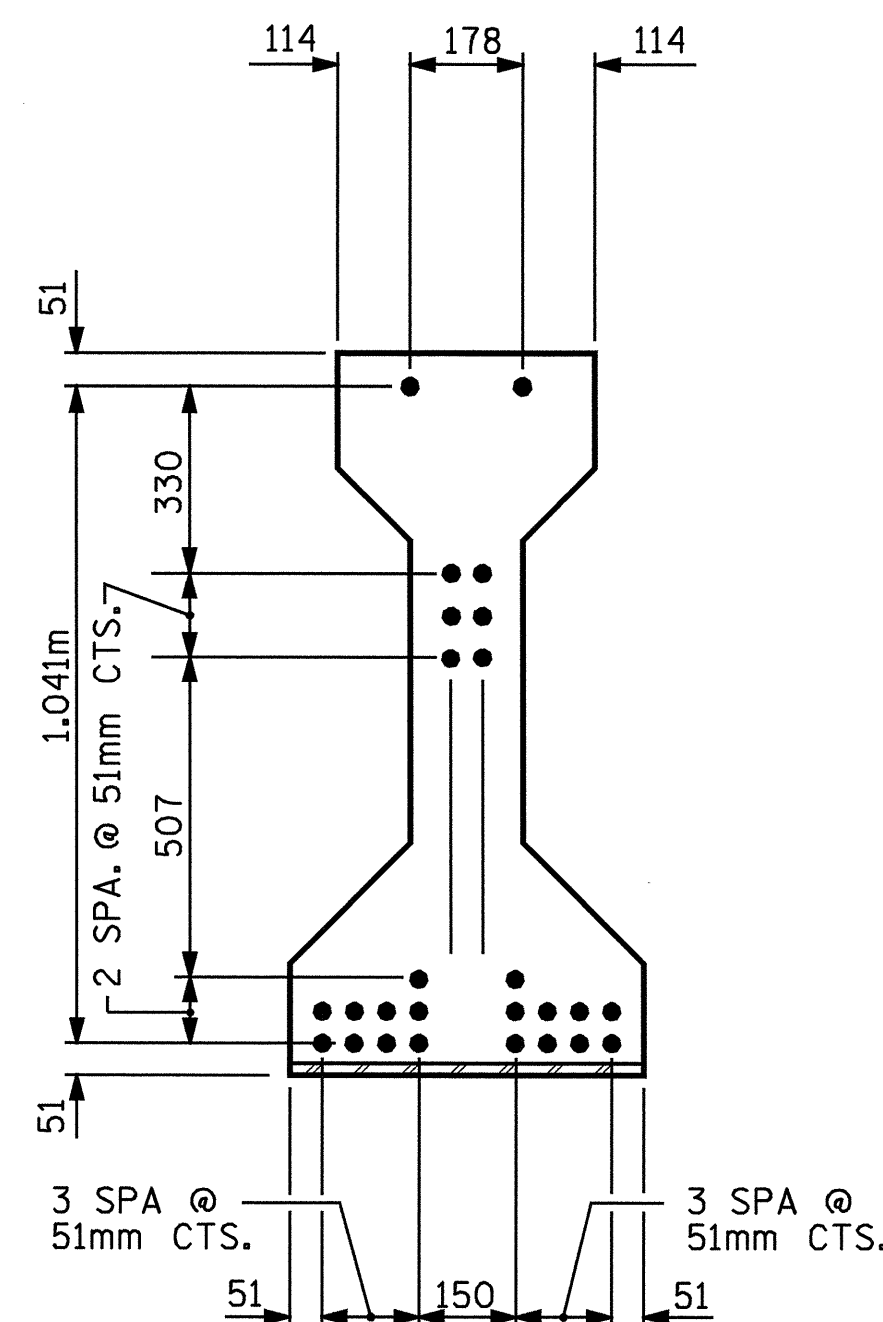
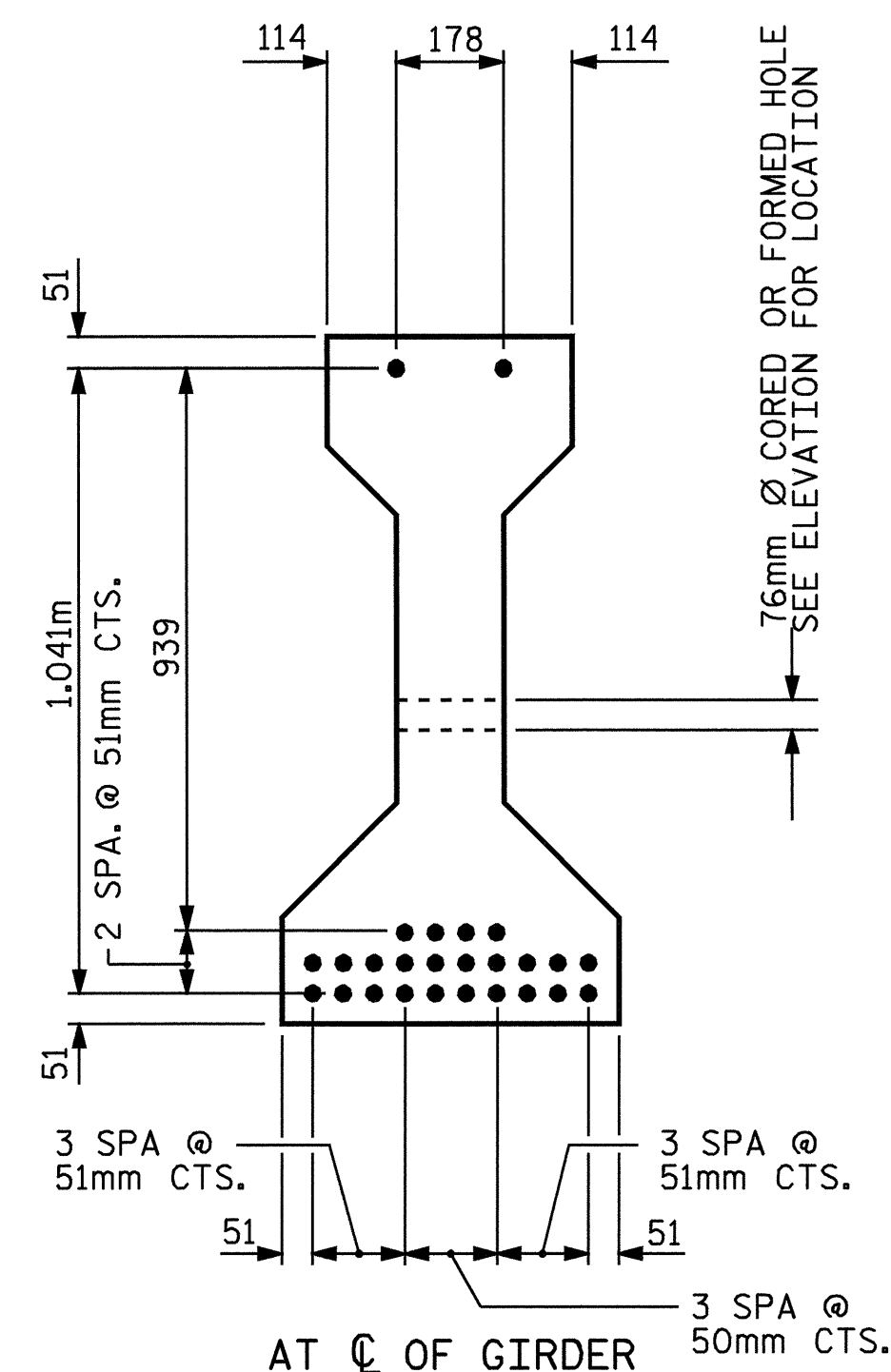


SECTION B-B

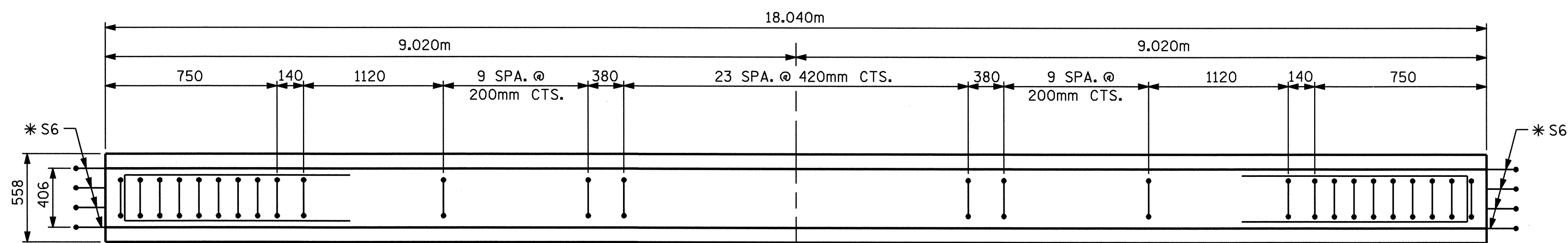


AT END OF GIRDER

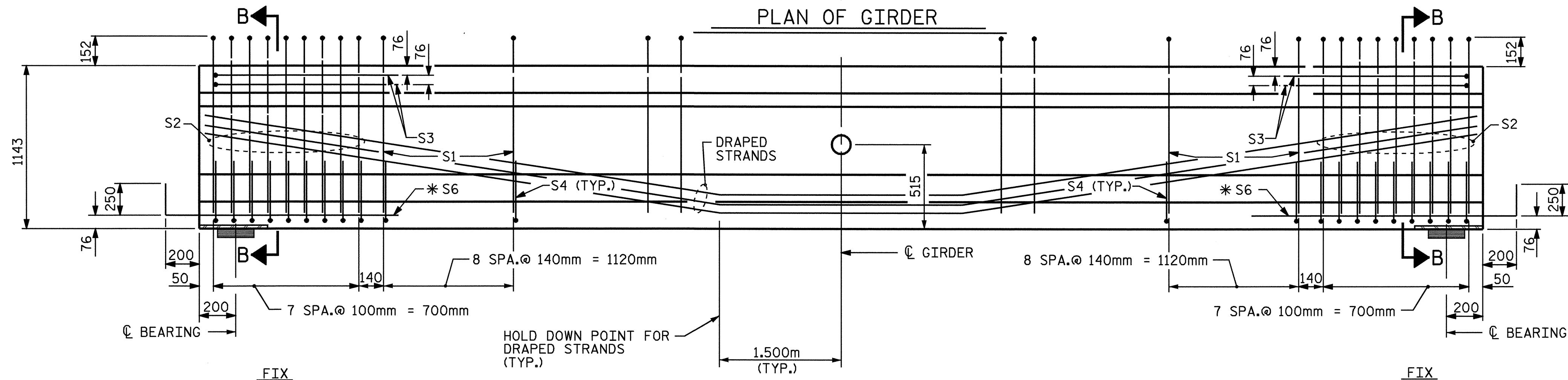


AT C OF GIRDER

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

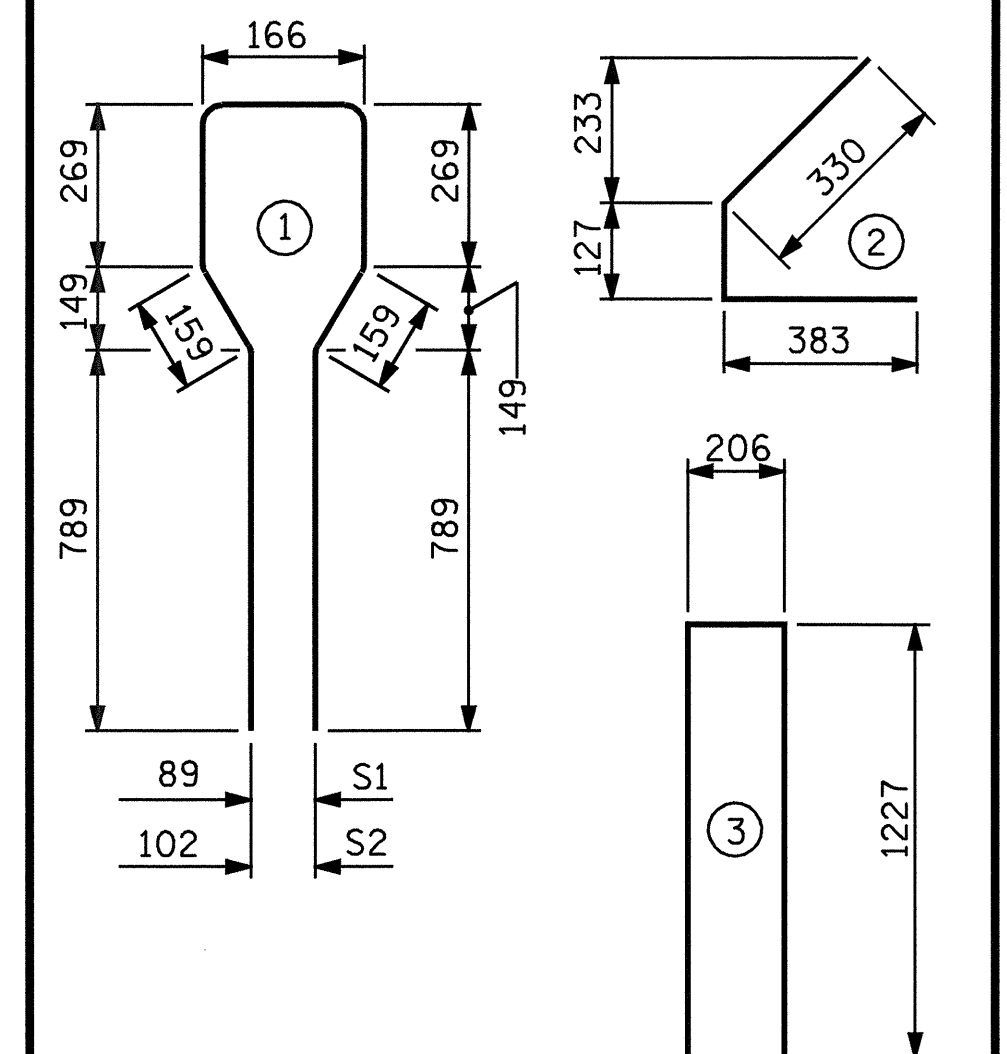
REINFORCING STEEL FOR ONE GIRDER

BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT
S1	60	#13	1	2600	155
S2	16	#19	1	2600	93
S3	4	#13	3	2660	11
S4	68	#13	2	840	57
* 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	37.9 MPa CONCRETE	12.70mm Ø L.R. STRANDS
kg	m <sup>3</sup>	No.
330	6.5	26

GIRDERS REQUIRED

NUMBER	LENGTH	TOTAL LENGTH
4	18.040m	72.160m

PROJECT NO. R-2206C  
LINCOLN-CATAWBA COUNTY  
STATION: 223+03.850 -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



Emily E. Murray  
9/8/04

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

ASSEMBLED BY : PEGGY ADKINS	DATE : 12-03
CHECKED BY : T. AVERETTE	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