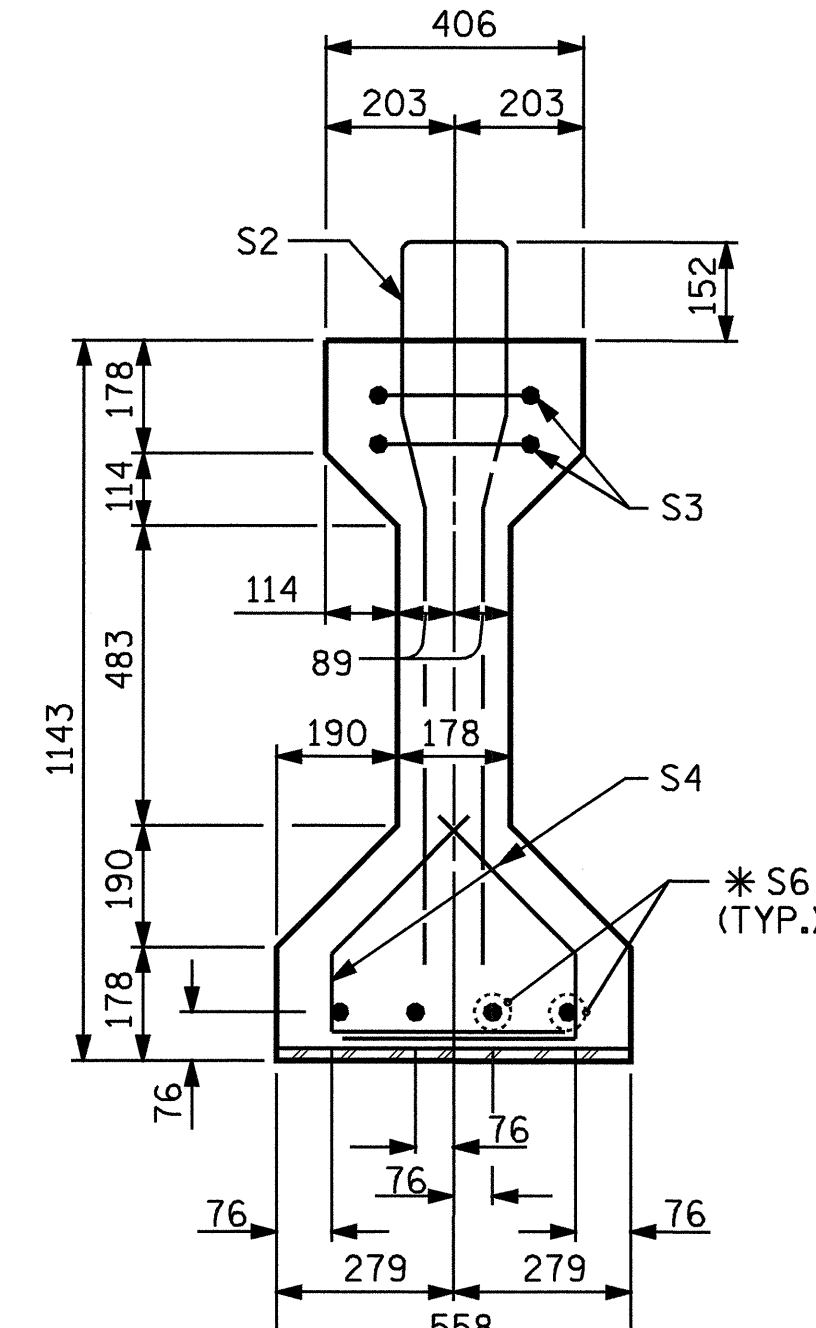
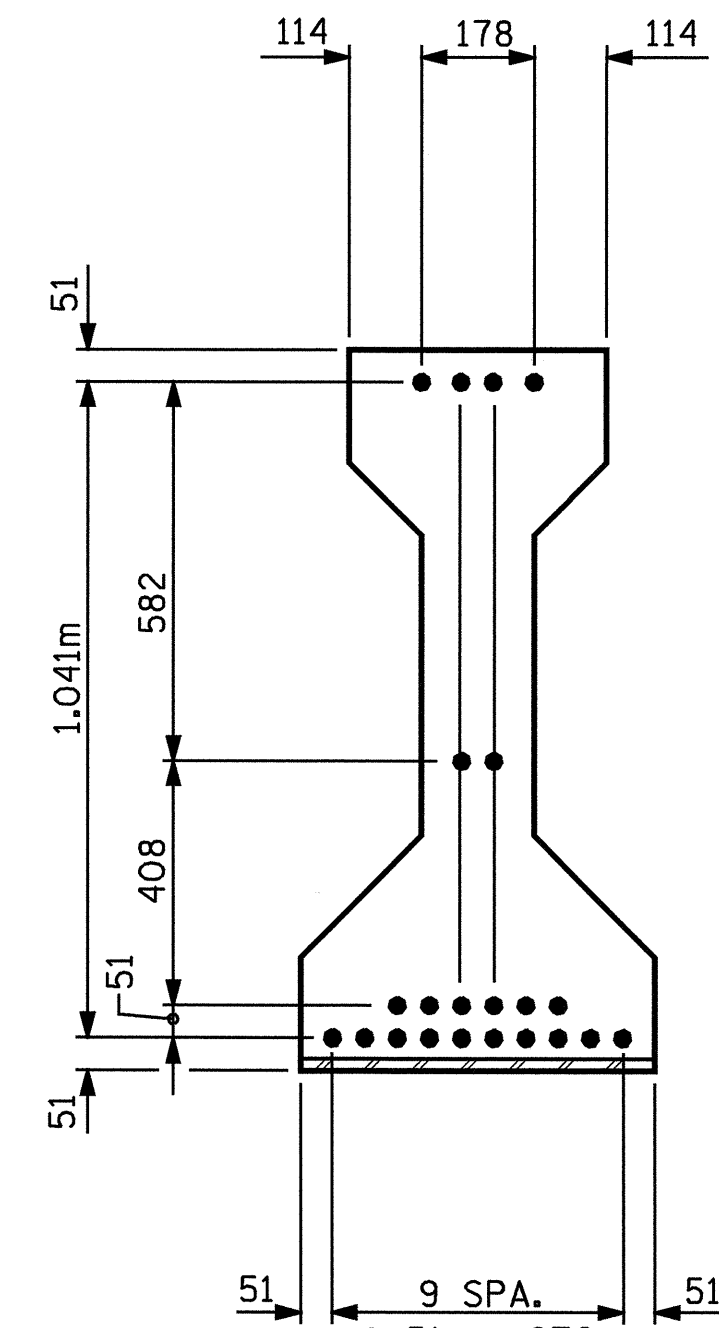


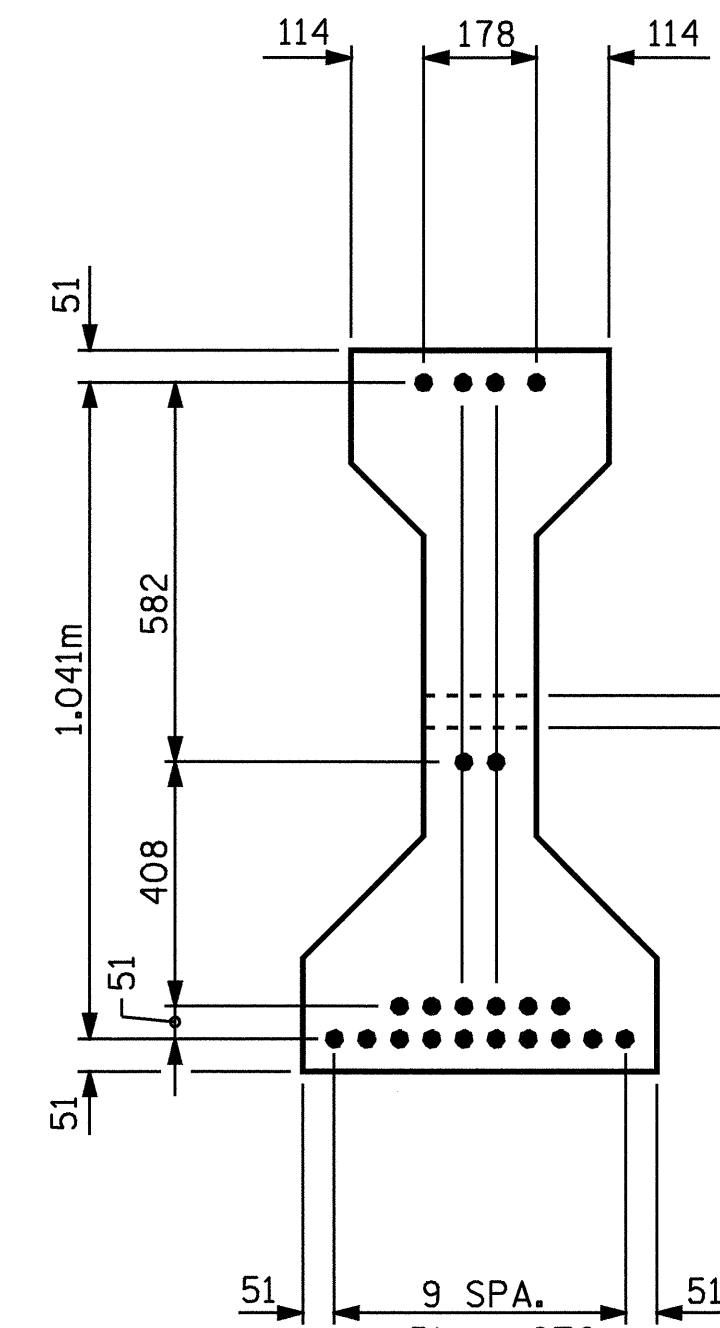
SECTION A-A



SECTION B-B



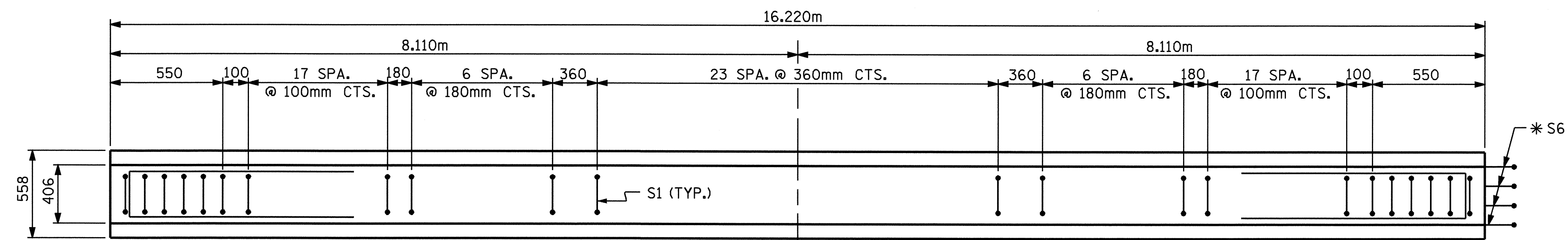
AT END OF GIRDER



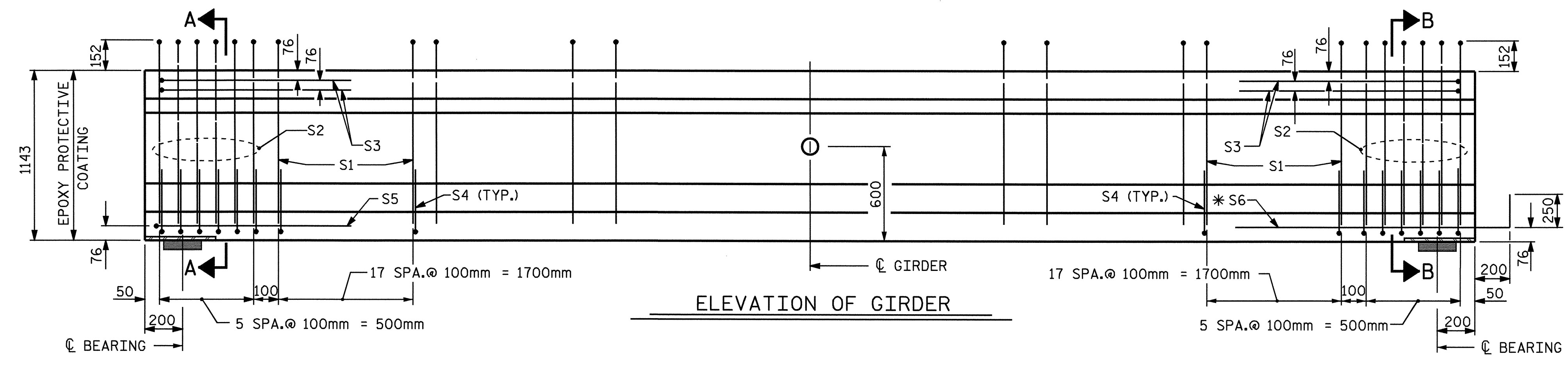
AT CL OF GIRDER

12.70mm Ø LOW RELAXATION STRAND LAYOUT

76mm Ø CORED OR FORMED HOLE  
SEE ELEVATION FOR LOCATION



PLAN OF GIRDER



ELEVATION OF GIRDER

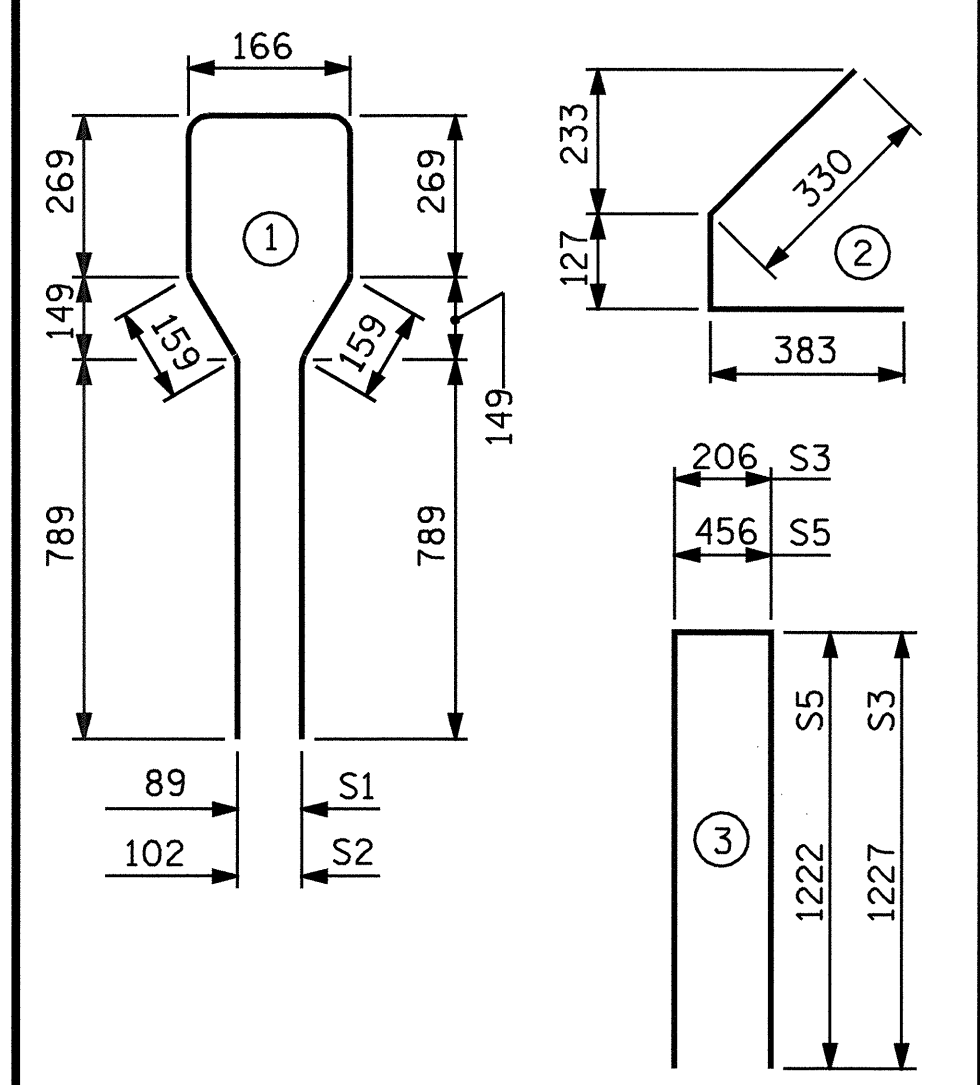
12.70mm Ø L. R. GRADE 270 STRANDS		
AREA (mm <sup>2</sup> )	ULTIMATE STRENGTH (kN PER STRAND)	APPLIED PRESTRESS (kN PER STRAND)
98.71	183.7	137.8

REINFORCING STEEL FOR ONE GIRDER					
BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT
S1	74	#13	1	2600	191
S2	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



GIRDER	REINFORCING STEEL	41.4 MPa CONCRETE	12.70mm Ø L.R. STRANDS
	kg	m <sup>3</sup>	No.
GIRDER	362	5.9	22

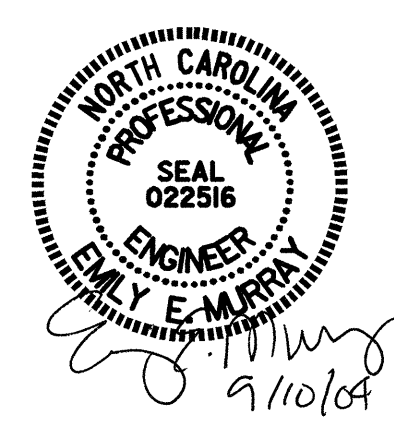
GIRDERS REQUIRED

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"  
LEFT LANE



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

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