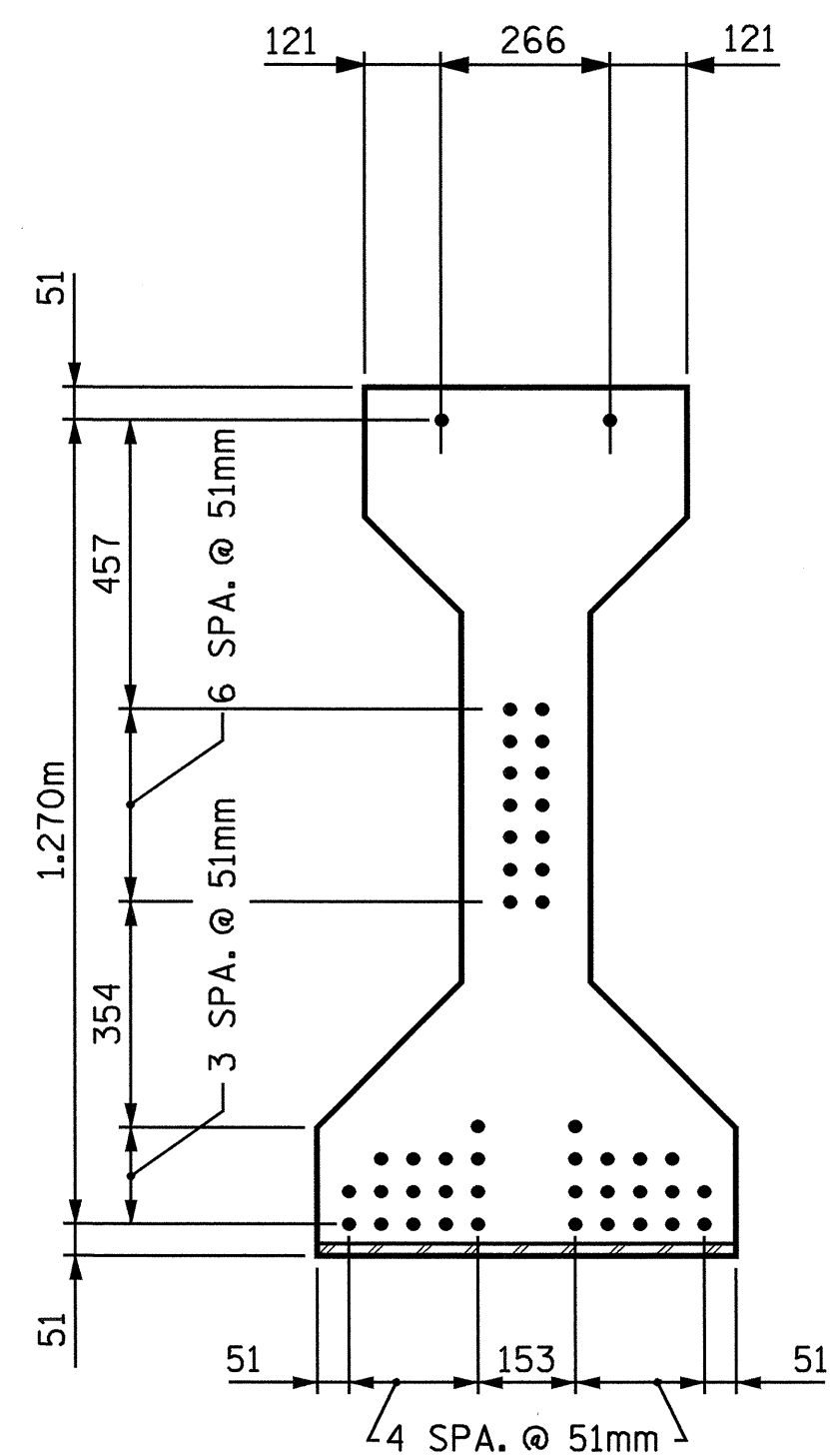
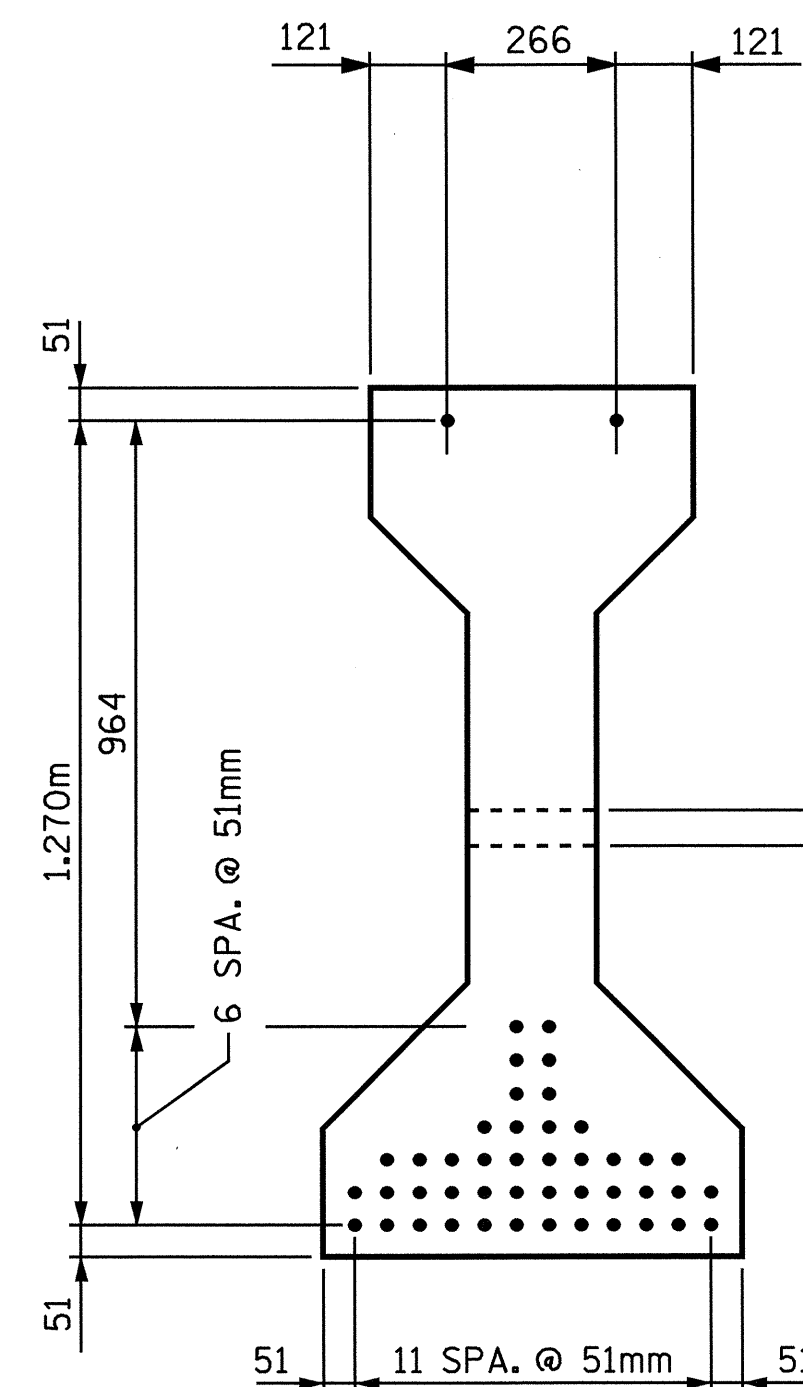


* FOR S7 BARS, SEE
DETAIL "A" OF PRESTRESSED
CONCRETE GIRDER CONTINUOUS
FOR LIVE LOAD DETAILS SHEET

SECTION A-A



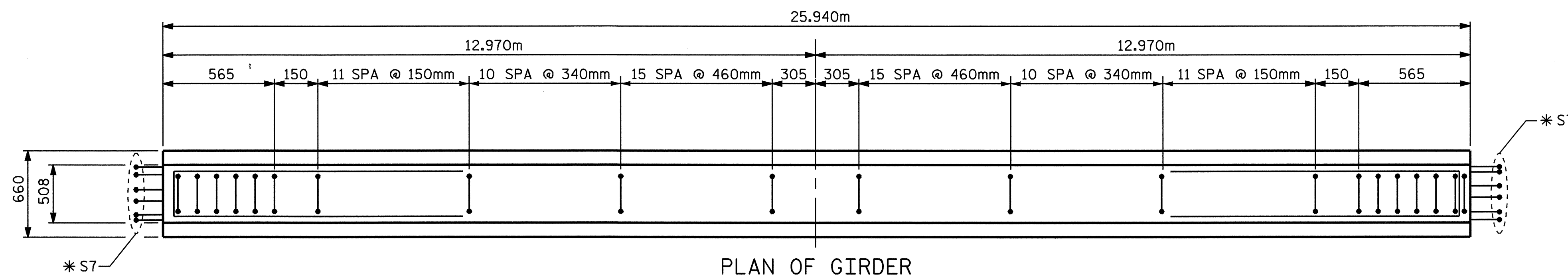
AT END OF GIRDER



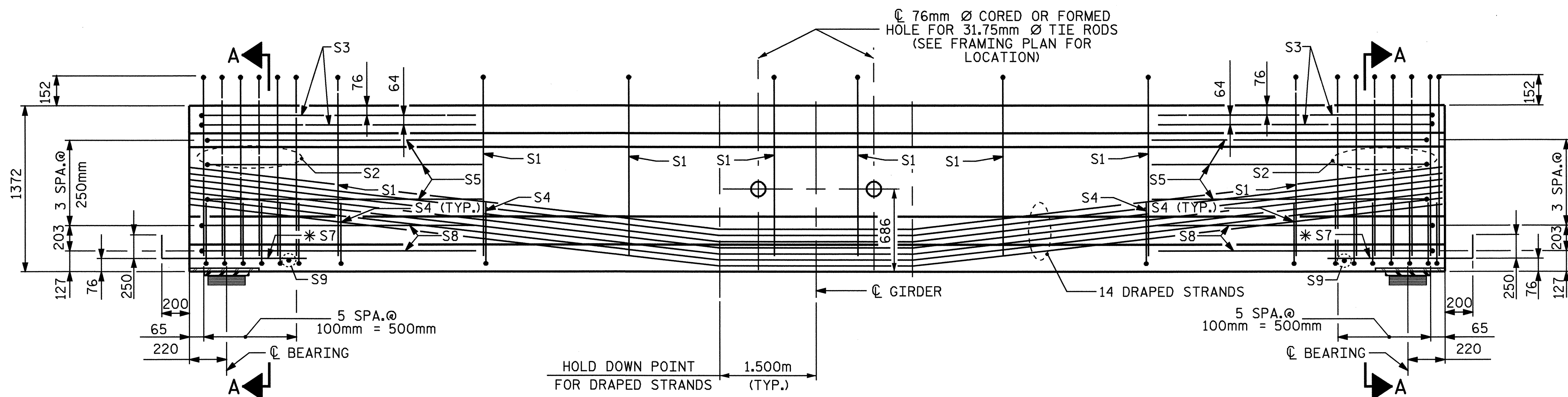
AT C OF GIRDER

76mm Ø CORED OR FORMED HOLE
SEE ELEVATION AND SUPERSTRUCTURE
FRAMING PLAN FOR LOCATION.

12.70mm Ø LOW RELAXATION STRAND LAYOUT



PLAN OF GIRDER



ELEVATION OF GIRDER

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

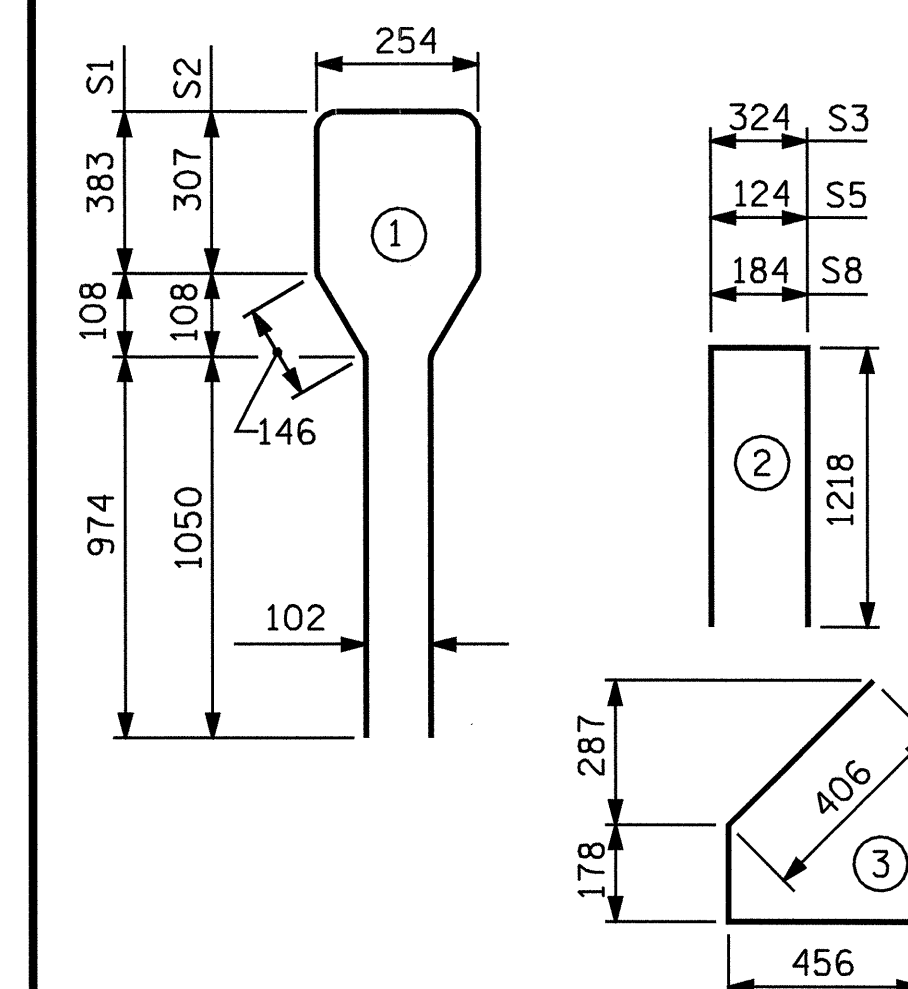
REINFORCING STEEL FOR ONE GDR.

BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT
S1	74	#13	1	3260	240
S2	12	#19	1	3260	87
S3	4	#13	2	2760	11
S4	72	#13	3	1040	74
S5	6	#13	2	2560	15
*S7	12	#16	STR.	1120	21
S8	4	#13	2	2620	10
S9	2	#10	STR.	560	1

* NOTE: S7 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

SPAN B	REINFORCING STEEL	45.0 MPa CONCRETE	12.70mm Ø L.R. STRANDS
	kg	m ³	No.
	459	13.203	46

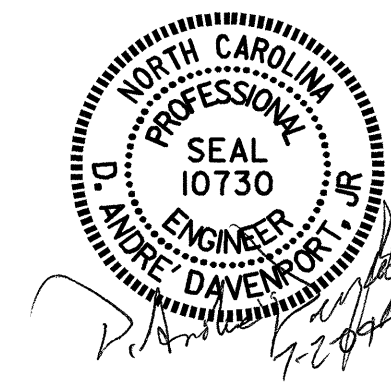
GIRDERS REQUIRED

NUMBER	LENGTH	TOTAL LENGTH
4	25.940	103.760

PROJECT NO. R-2610B
CHATHAM COUNTY
STATION: 22+83.400-L-

SHEET 2 OF 3

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
AASHTO TYPE IV
PRESTRESSED CONCRETE
GIRDER CONTINUOUS
FOR LIVE LOAD
SPAN B



ASSEMBLED BY : H. T. BARBOUR DATE : 3-12-04
CHECKED BY : D. A. DAVENPORT DATE : 5-04
DRAWN BY : EEM 2/97 REV. 8/16/99 RWW/LES
CHECKED BY : VP 2/97

CADD
STANDARD

REVISIONS						SHEET NO. S-11
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			TOTAL SHEETS 60
2			4			

STR. #1