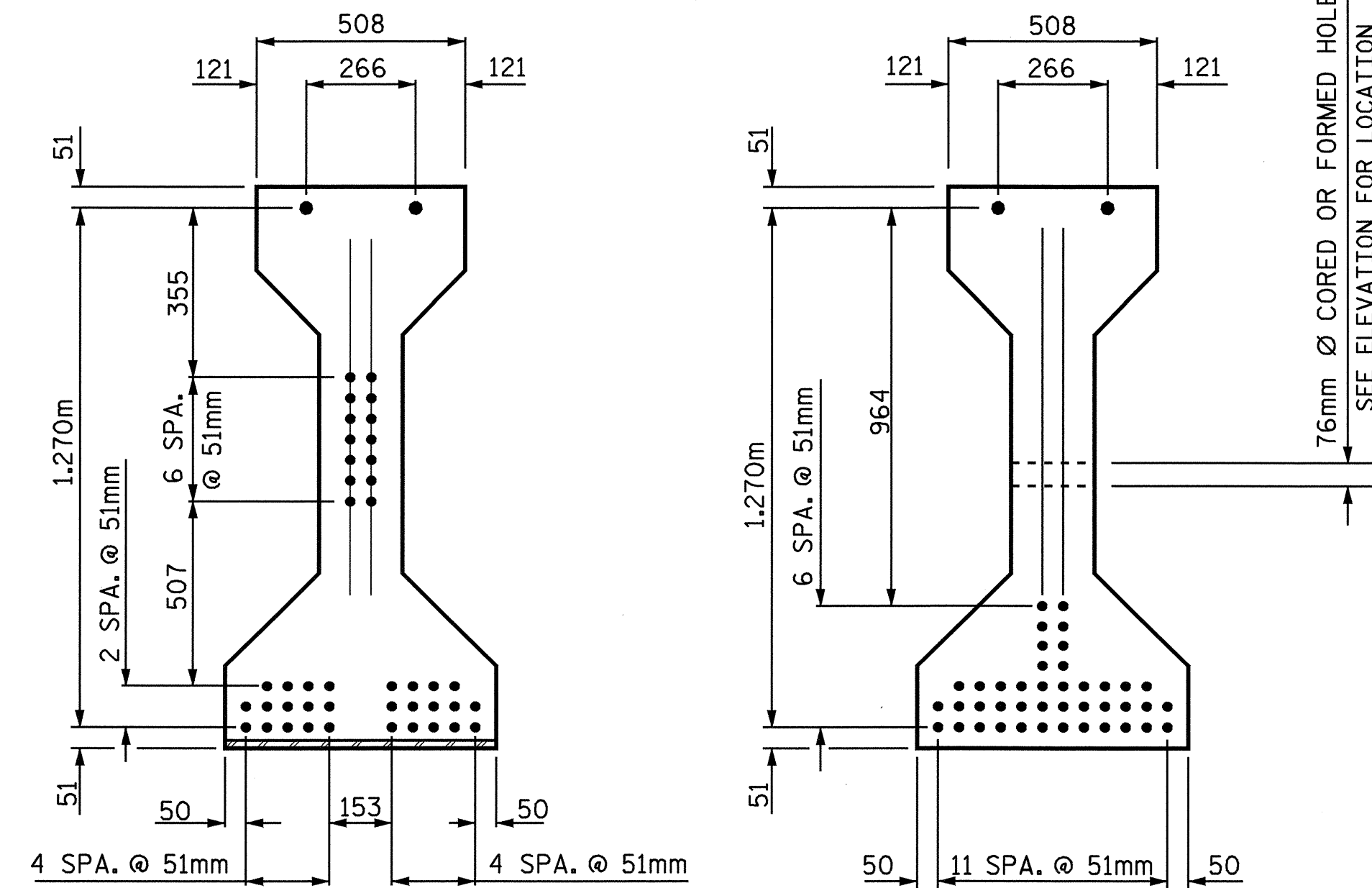
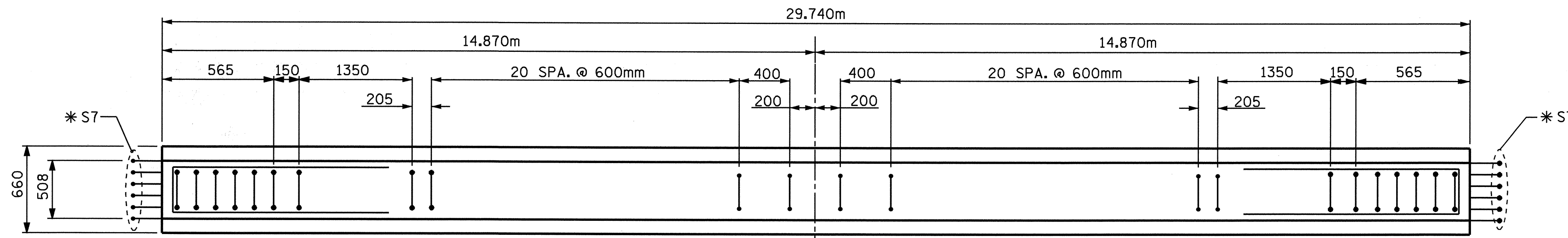


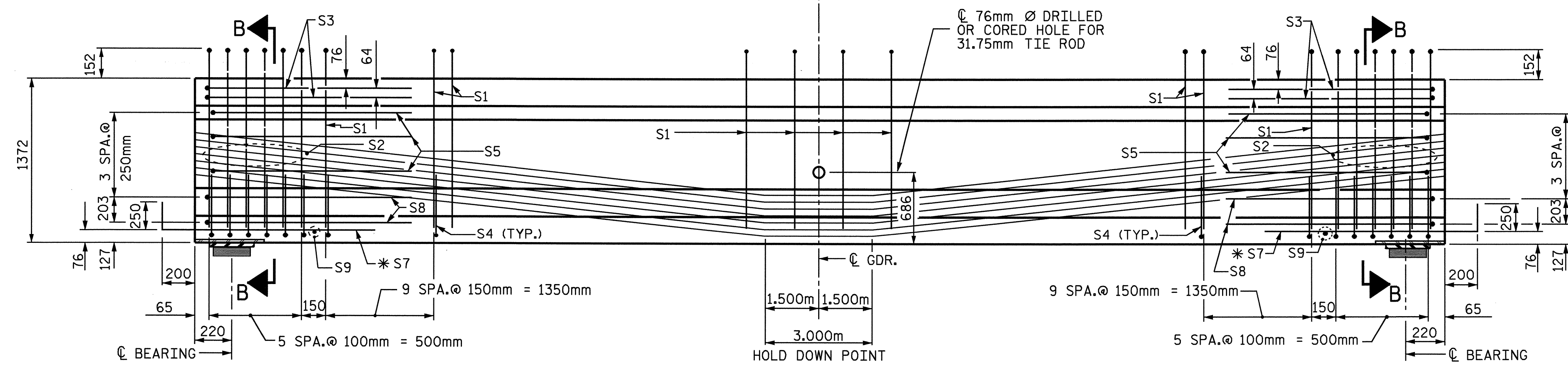
SECTION B-B



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

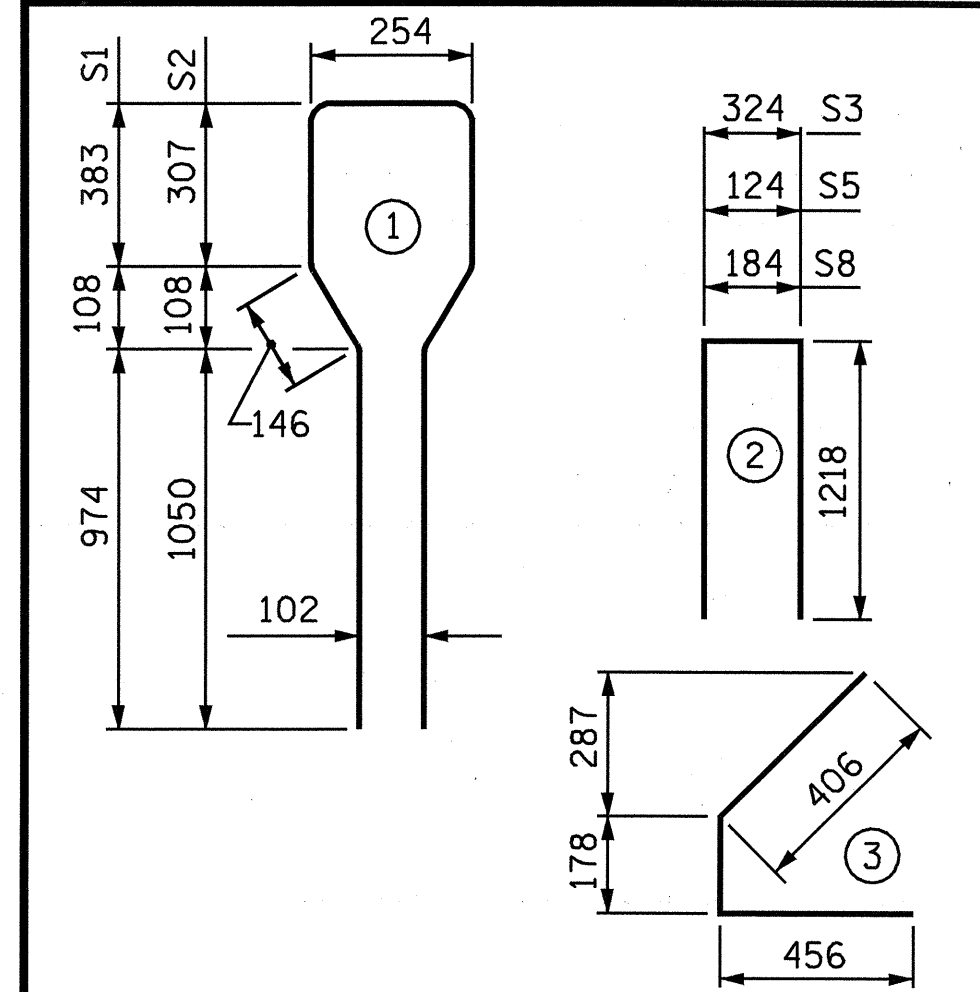
REINFORCING STEEL FOR ONE GIRDER

BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT
S1	64	#13	1	3260	207
S2	12	#19	1	3260	87
S3	4	#13	2	2760	11
S4	64	#13	3	1040	66
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

	REINFORCING STEEL	48.26 MPa CONCRETE	12.70mm Ø L.R. STRANDS
	kg	m <sup>3</sup>	No.
	418	15.138	44

GIRDERS REQUIRED

NUMBER	LENGTH	TOTAL LENGTH
5	29.740m	148.700m

PROJECT NO. R-2206C  
LINCOLN-CATAWBA COUNTY  
STATION: 199+48.000-L-

SHEET 2 OF 3

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



Emilie Murray  
9/10/04

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	5-78
1			3			TOTAL SHEETS
2			4			374

ASSEMBLED BY : M.D.PISO	DATE : 9/03
CHECKED BY : M.M.PARSONS	DATE : 9/03
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