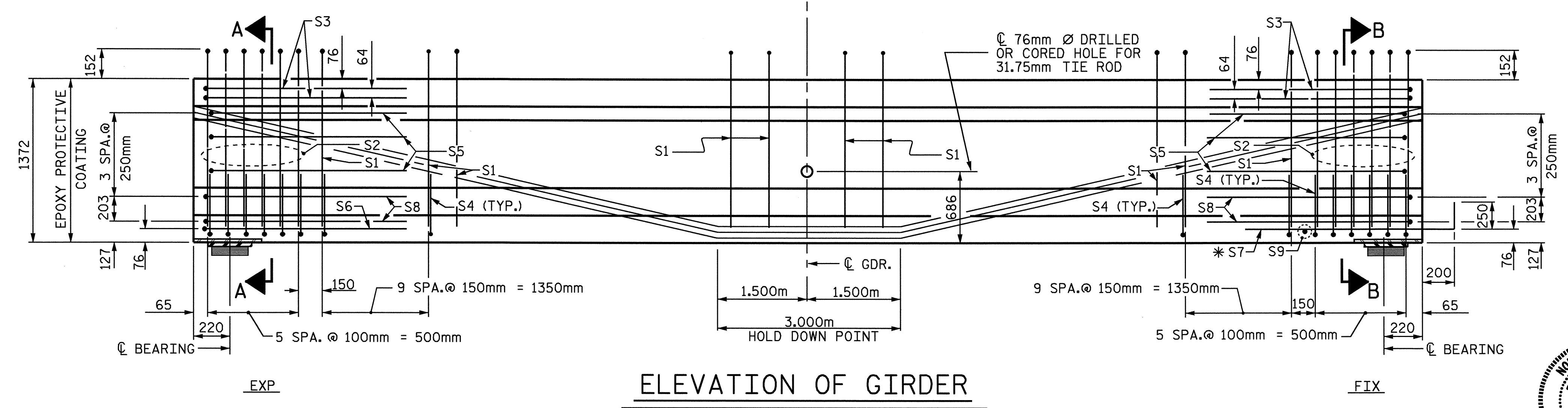
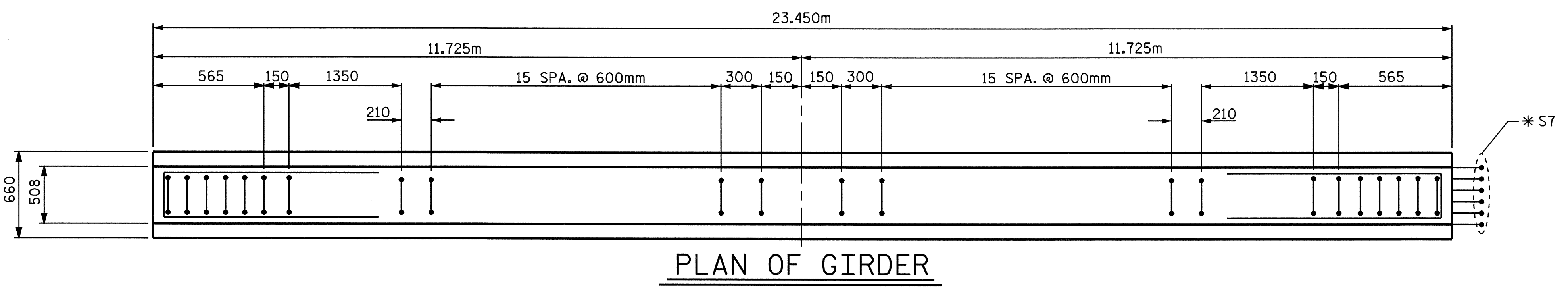
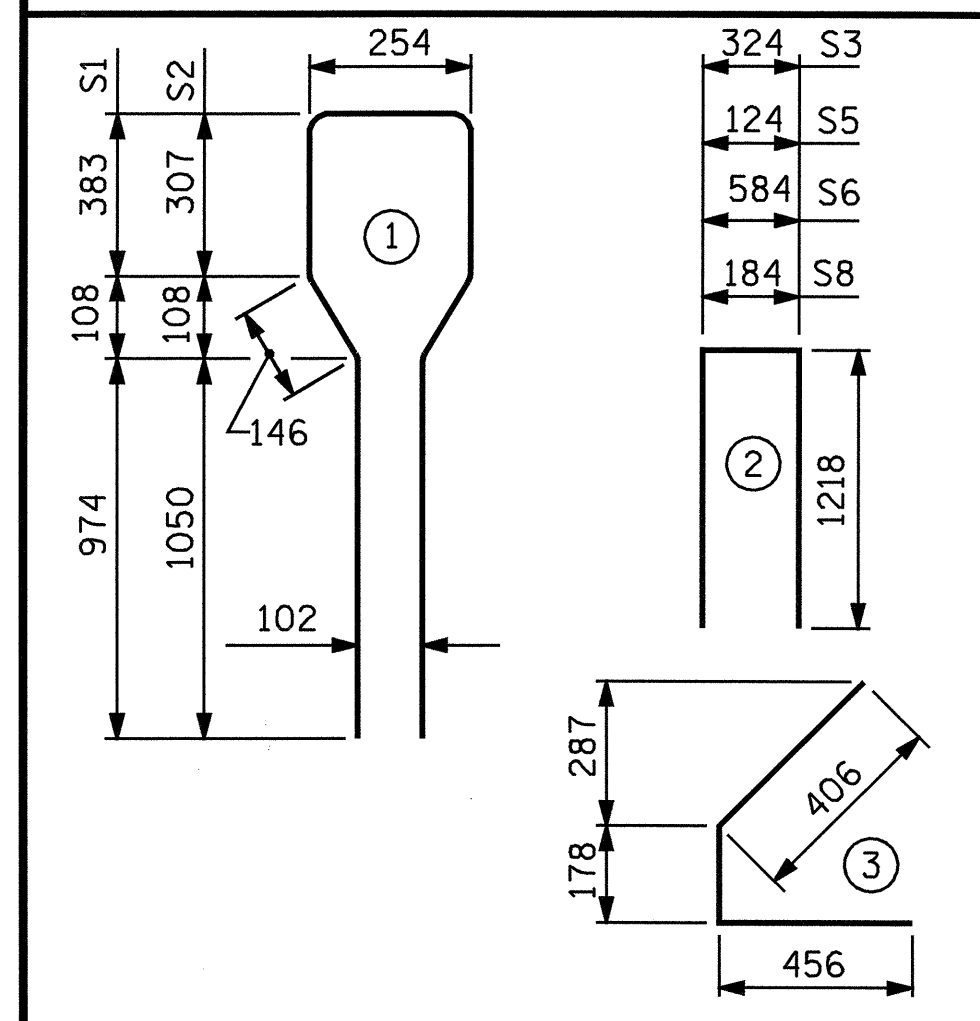


12.70mm Ø L. R. GRADE 270 STRANDS		
AREA (mm ²)	ULTIMATE STRENGTH (KN PER STRAND)	APPLIED PRESTRESS (KN PER STRAND)
98.71	183.7	137.8

REINFORCING STEEL FOR ONE GIRDER					
BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT
S1	54	#13	1	3260	175
S2	12	#19	1	3260	87
S3	4	#13	2	2760	11
S4	64	#13	3	1040	66
S5	6	#13	2	2560	15
S6	1	#13	2	3020	3
* S7	6	#16	STR	1120	10
S8	4	#13	2	2620	10
S9	1	#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	34.47 MPa CONCRETE	12.70mm Ø L.R. STRANDS
	Kg	m ³	No.
	378	11.936	26

GIRDERS REQUIRED		
NUMBER	LENGTH	TOTAL LENGTH
10	23.450m	234.500m

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

SHEET 1 OF 3

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
STANDARD
AASHTO TYPE IV
PRESTRESSED CONCRETE GIRDER
CONTINUOUS FOR LIVE LOAD
SPANS A & C
RIGHT LANE



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

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-77
1			3			TOTAL SHEETS
2			4			374