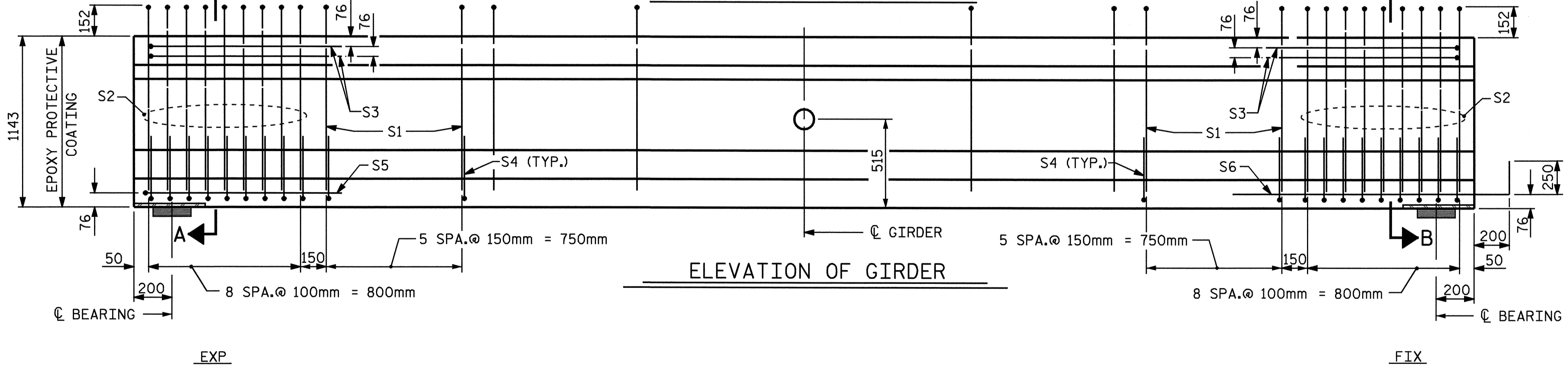
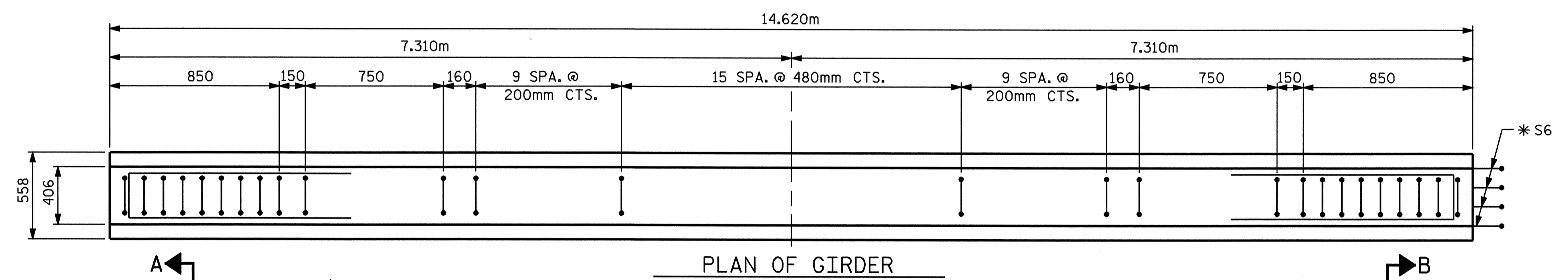


12.70mm Ø LOW RELAXATION STRAND LAYOUT

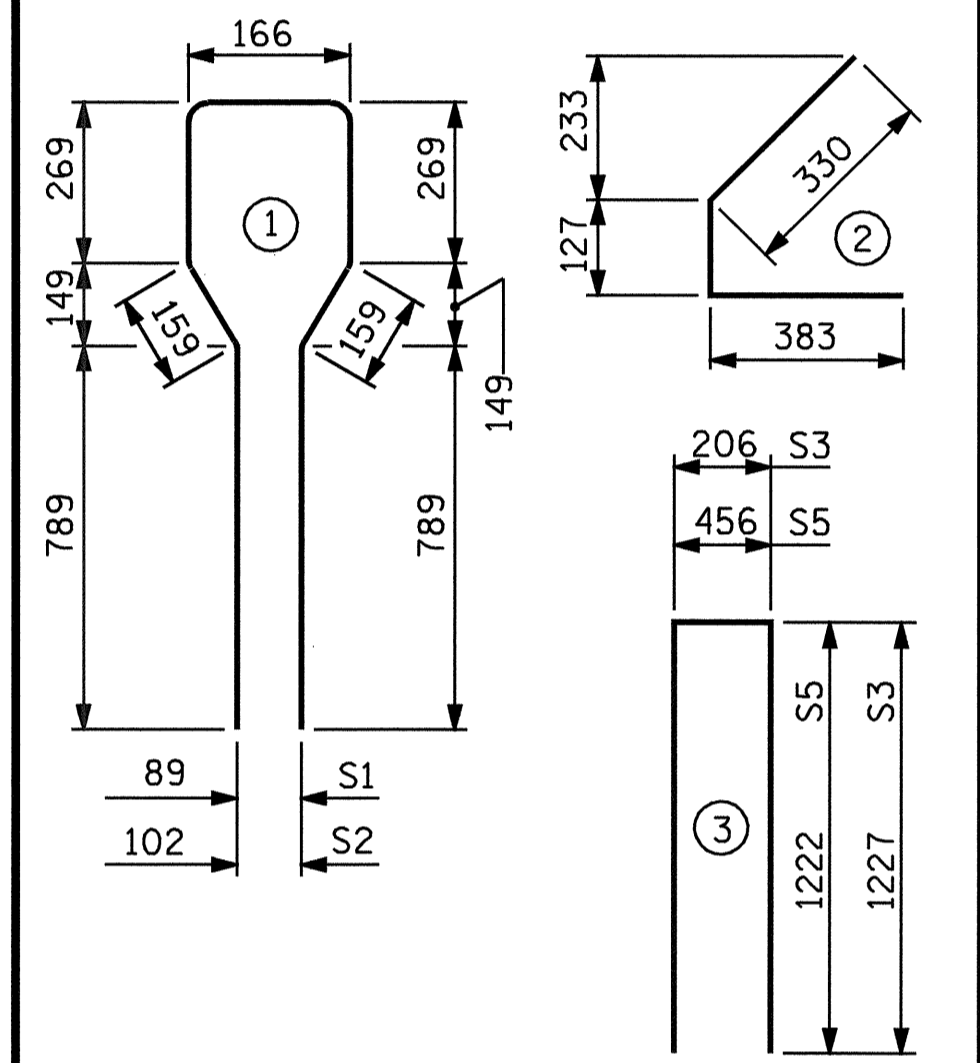


12.70mm Ø L.R. GRADE 270 STRANDS		
AREA (mm ²)	ULTIMATE STRENGTH (KN PER STRAND)	APPLIED PRESTRESS (KN PER STRAND)
98.71	183.7	137.8

REINFORCING STEEL FOR ONE GIRDER					
BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT
S1	46	#13	1	2600	119
S2	18	#19	1	2600	105
S3	4	#13	3	2660	11
S4	60	#13	2	840	50
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



QUANTITIES FOR ONE GIRDER			
	REINFORCING STEEL	34.5 MPa CONCRETE	12.70mm Ø L.R. STRANDS
	kg	m ³	No.
	295	5.3	20

GIRDERS REQUIRED		
NUMBER	LENGTH	TOTAL LENGTH
8	14.620m	116.960m

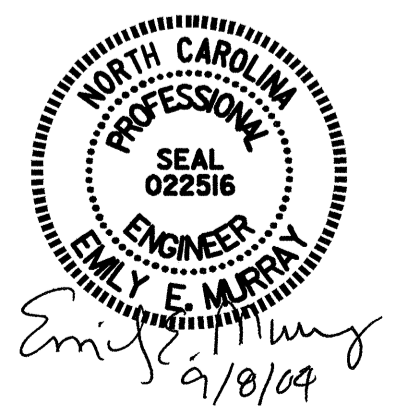
PROJECT NO. R-2206C
LINCOLN-CATAWBA COUNTY
STATION: 223+03.850 -L-

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		

SHEET NO. S-141
TOTAL SHEETS 374



ASSEMBLED BY : PEGGY ADKINS DATE : 12-03
CHECKED BY : T. AVERETTE DATE : 1-04
DRAWN BY : ELR 8/91 REV. 5/16/97 EEM/RCW
CHECKED BY : GRP 8/91 REV. 7/17/98 RWW/LES
REV. 10/17/00 RWW/LES