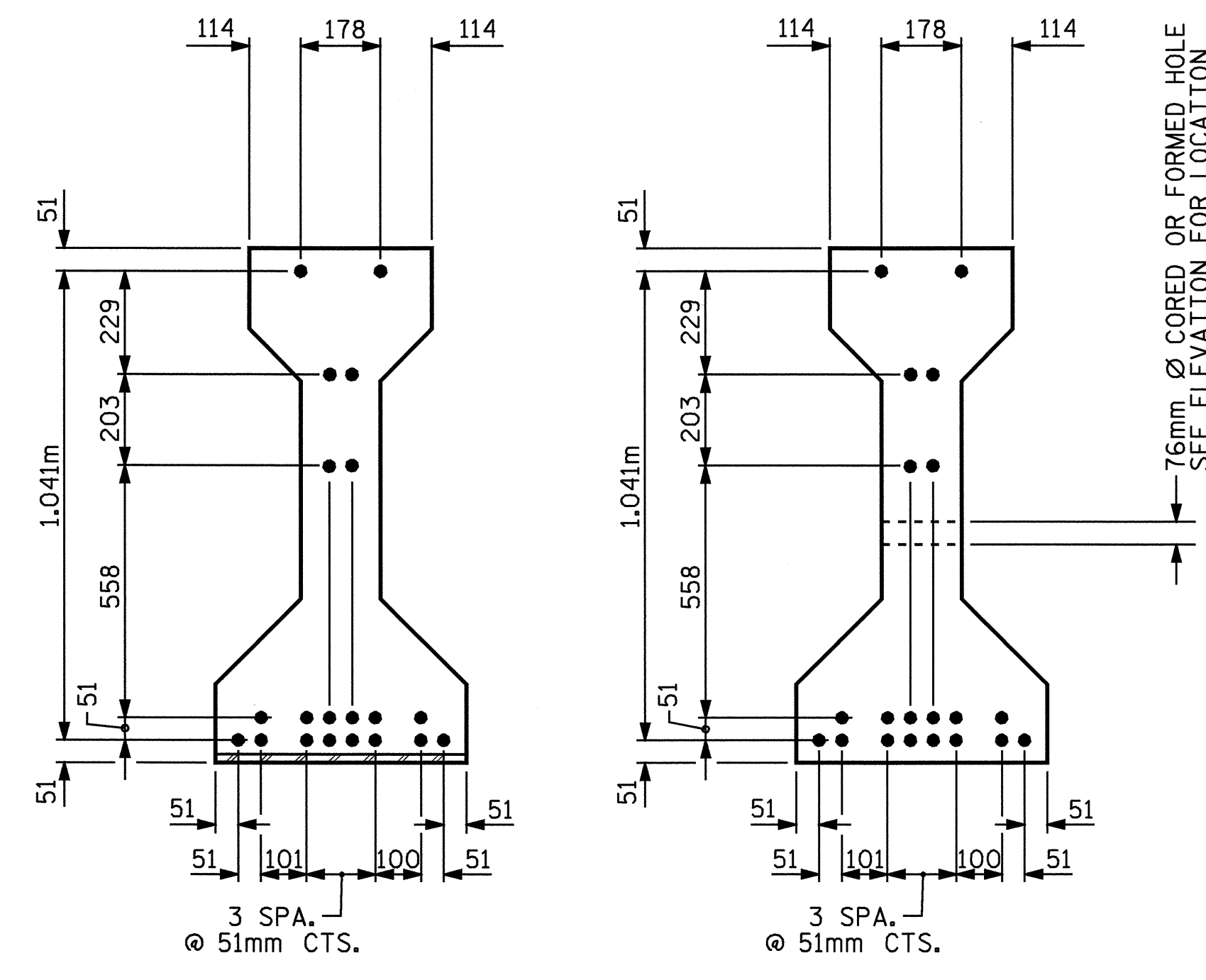


SECTION A-A

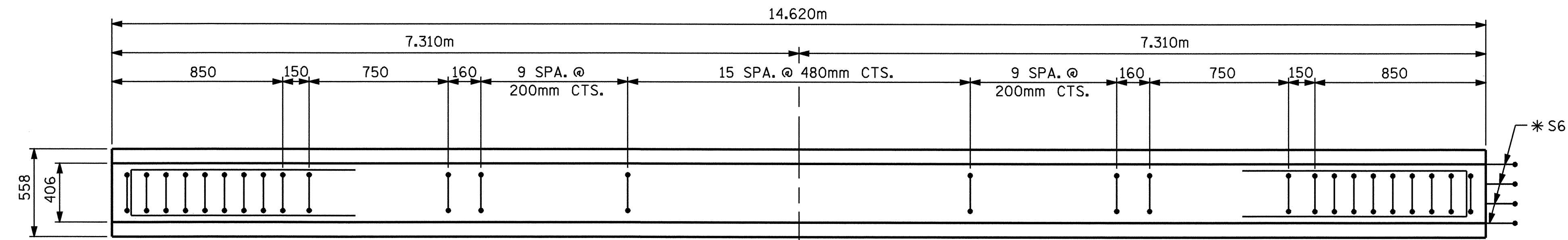
SECTION B-B



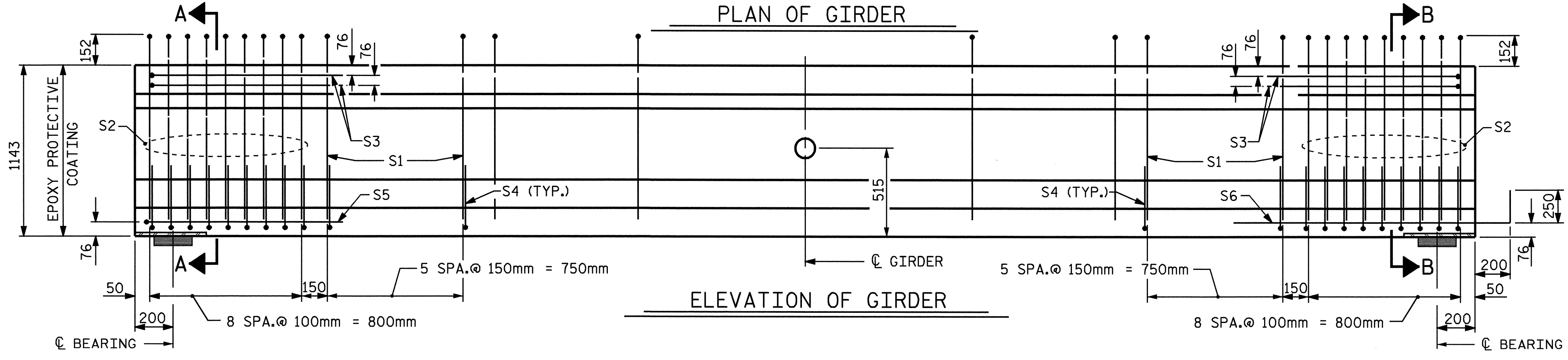
AT END OF GIRDER

AT CL OF GIRDER

12.70mm Ø LOW RELAXATION STRAND LAYOUT



PLAN OF GIRDER



ELEVATION OF GIRDER

EXP

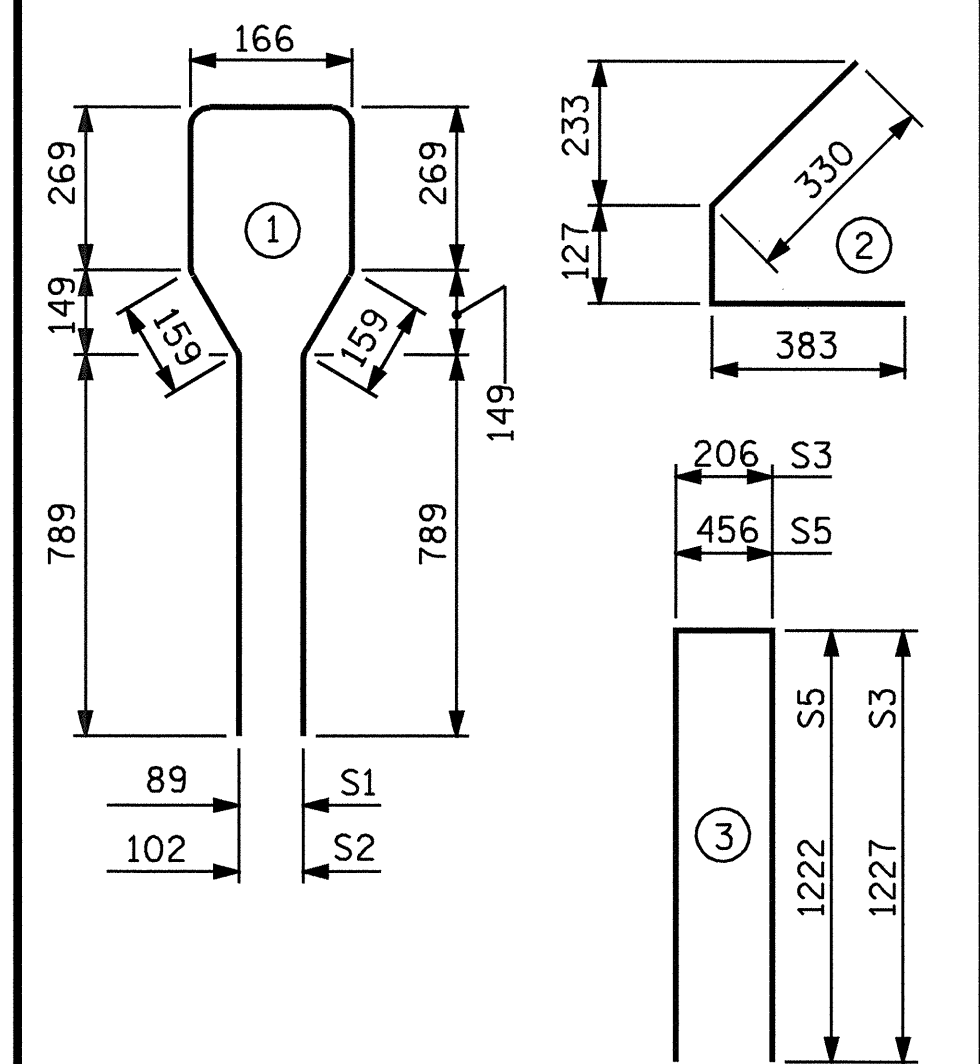
FIX

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

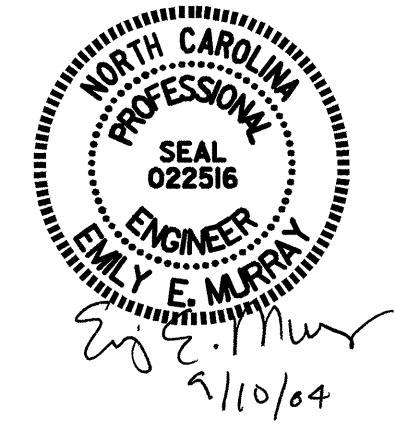


QUANTITIES FOR ONE GIRDER			
	REINFORCING STEEL	34.5 MPa CONCRETE	12.70mm Ø L.R. STRANDS
	kg	m ³	No.
	295	5.3	20

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"
 RIGHT LANE

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			3-175
2			4			TOTAL SHEETS 374

ASSEMBLED BY : PEGGY ADKINS	DATE : 2-04
CHECKED BY : T. AVERETTE	DATE : 3-04
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