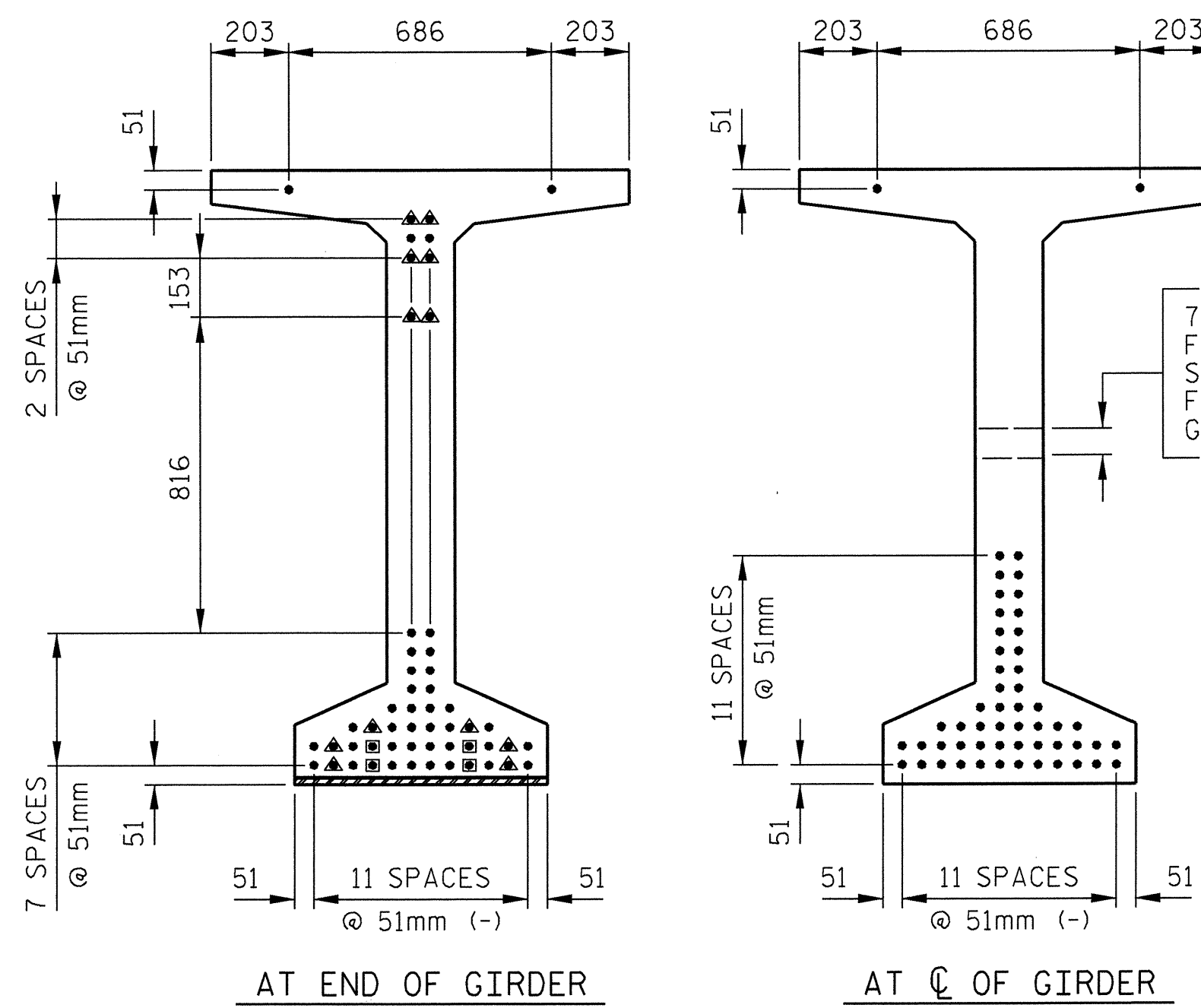


* FOR S7 BARS, SEE DETAIL "C" OF PRESTRESSED CONCRETE GIRDER CONTINUOUS FOR LIVE LOAD DETAILS SHEET.

DEBONDING LEGEND

- FULLY BONDED STRANDS
- ▲ STRANDS DEBONDED FOR 0.600m FROM END OF GIRDER
- STRANDS DEBONDED FOR 1.220m FROM END OF GIRDER



NOTES
SEE SHEET 3 OF 3 FOR NOTES.

76mm Ø FORMED OR CORED HOLES FOR 31.75mm Ø TIE RODS. SEE SUPERSTRUCTURE "FRAMING PLAN" FOR LOCATIONS. (1 HOLE EXTERIOR GIRDER, 2 HOLES INTERIOR GIRDERS.)

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

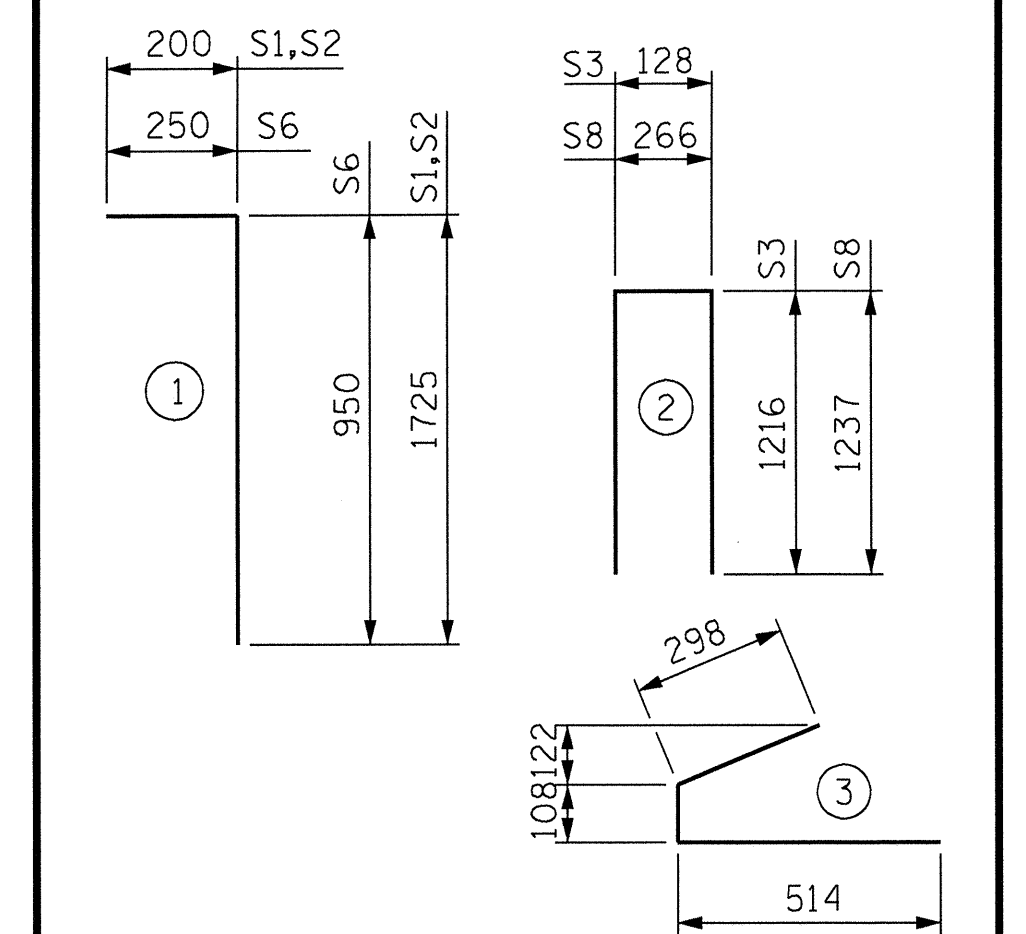
REINFORCING STEEL FOR ONE GIRDER

BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT
S1	194	#13	1	1925	371
S2	24	#16	1	1925	72
S3	12	#13	2	2560	31
S4	72	#13	3	920	66
S6	218	#16	1	1200	406
* S7	20	#16	STR	1120	35
S8	2	#16	2	2740	9
S9	42	#16	STR	980	64

* 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 A	REINFORCING STEEL	55.2 MPa CONCRETE	12.70mm Ø L.R. STRANDS
	kg	m ³	No.
SPAN A	1,054	15.2	54

GIRDERS REQUIRED

LOCATION	NUMBER	LENGTH	TOTAL LENGTH
SPAN A	5	30.500m	152.500m

PROJECT NO. R-2552C

JOHNSTON COUNTY

STATION: 122+14.832 -L2RT-

SHEET 1 OF 3

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

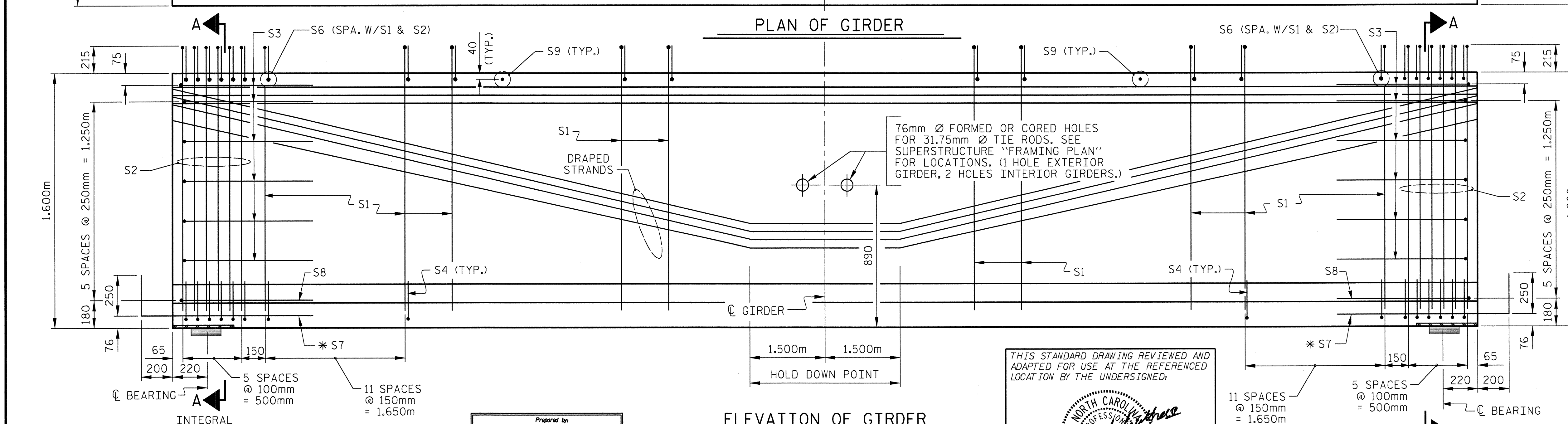
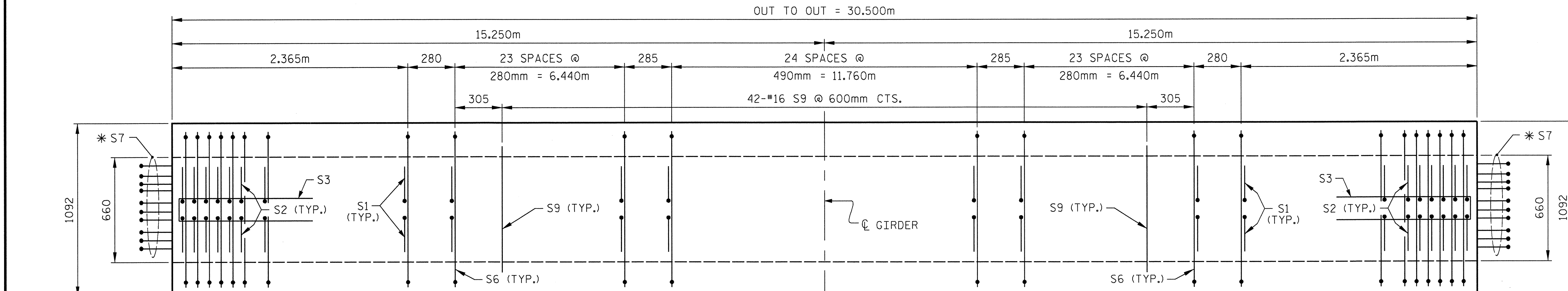
STANDARD
1600mm PRESTRESSED
CONCRETE MODIFIED BULB TEE
CONTINUOUS FOR LIVE LOAD
(RIGHT BRIDGE)

REVISIONS				SHEET NO.
NO.	BY:	DATE:	NO.	DATE:
1			3	
2			4	

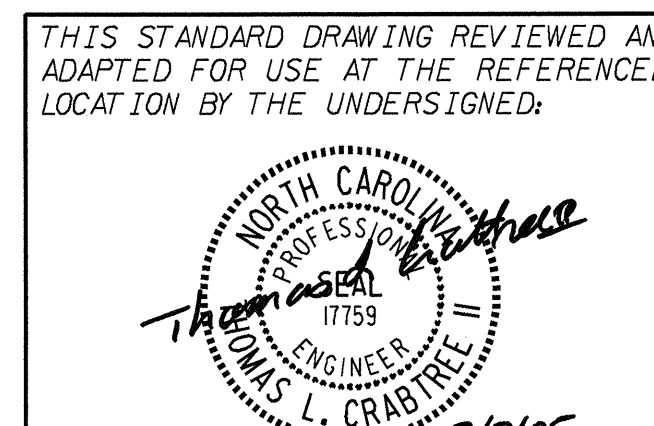
TOTAL SHEETS 431

R.N. RTB1-10
STD. No. PCG9SM

USER: RmJoffon
DGN: K:\78762\RT_Bridge\CADD\ppl2R1.dgn
DATE: 2/4/2005
TIME: 13:39:43



ASSEMBLED BY : LOFTON	DATE : 12/04
CHECKED BY : TLC	DATE : 12/04
DRAWN BY : EEM 2/6/97	REV. 7/17/98 RWW/LES
CHECKED BY : VAP 2/6/97	REV. 8/16/99 RWW/LES
	REV. 10/17/00 RWW/LES



USER: RmJoffon
 DGN: K:\78762\RT_Bridge\CADD\ppl2R1.dgn
 DATE: 2/4/2005
 TIME: 13:39:43