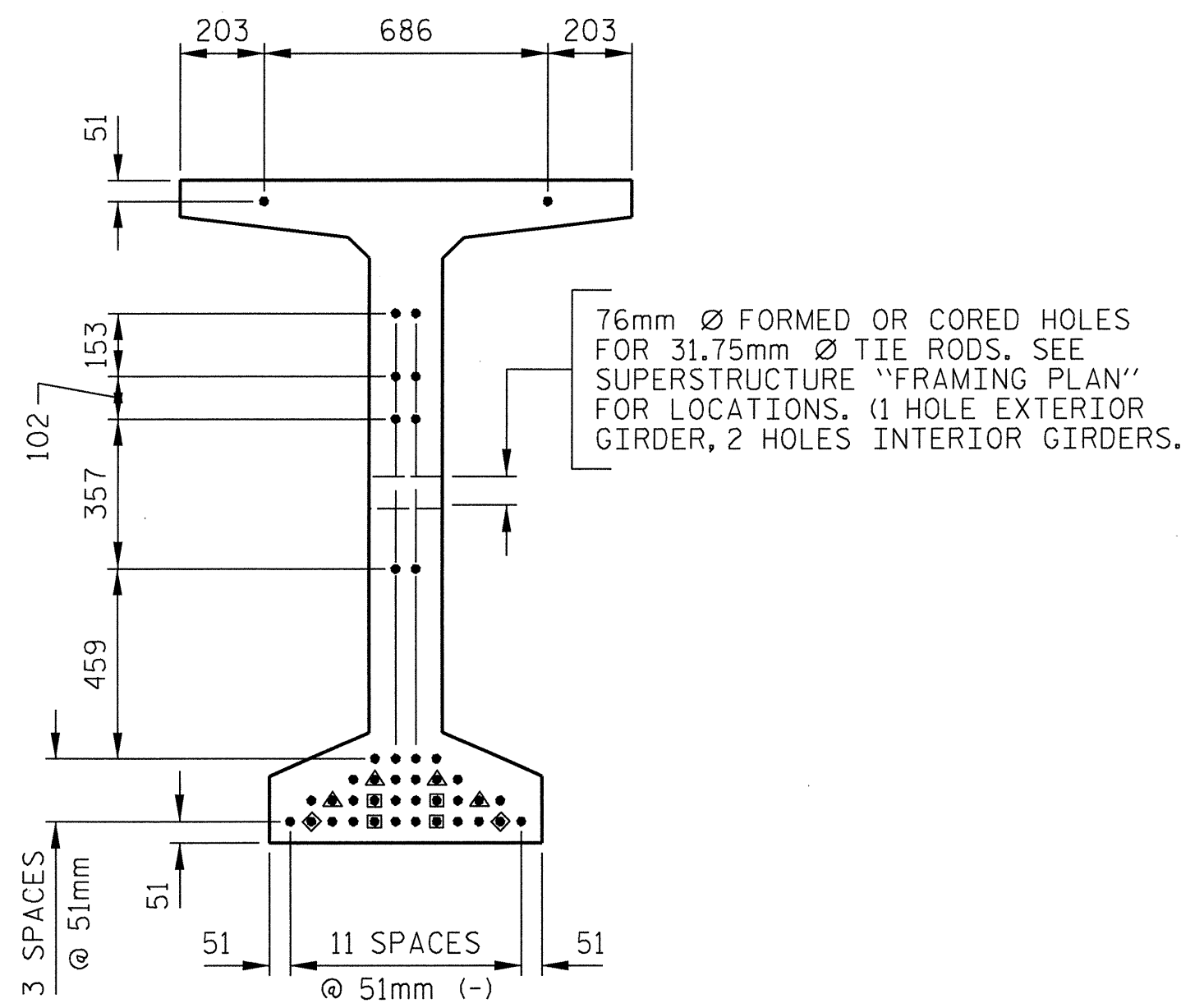


SECTION A-A

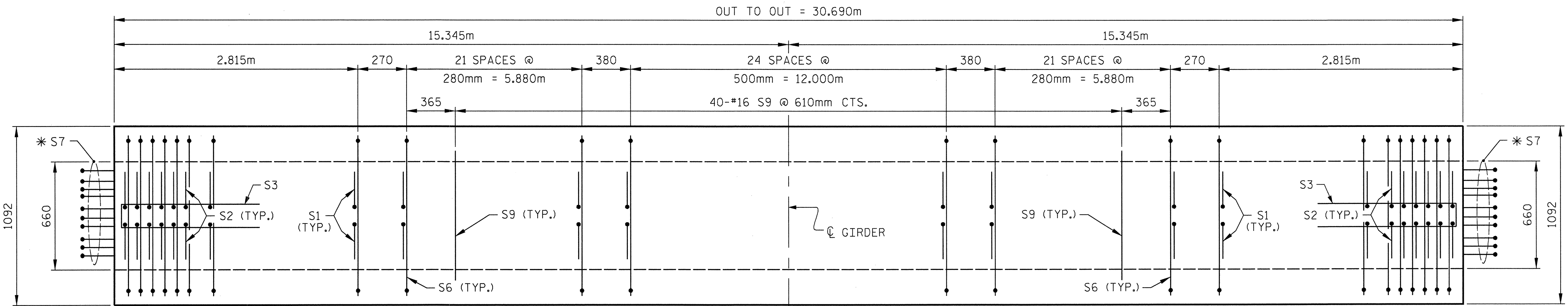
* FOR S7 BARS, SEE DETAIL "C" OF PRESTRESSED CONCRETE GIRDER CONTINUOUS FOR LIVE LOAD DETAILS SHEET.

- DEBONDING LEGEND
- FULLY BONDED STRANDS
 - ▲ STRANDS DEBONDED FOR 0.600m FROM END OF GIRDER
 - ▣ STRANDS DEBONDED FOR 1.220m FROM END OF GIRDER
 - ◆ STRANDS DEBONDED FOR 3.050m FROM END OF GIRDER

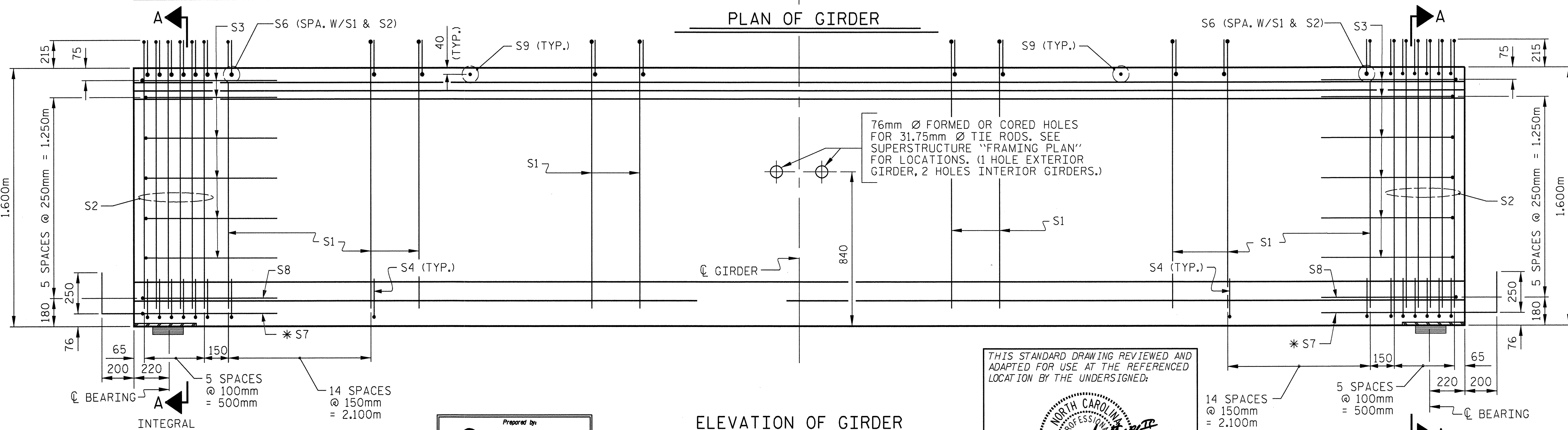


42 - 15.24mm Ø LOW RELAXATION STRAND LAYOUT

(ALL STRANDS ARE STRAIGHT)



PLAN OF GIRDER



ELEVATION OF GIRDER

NOTES:
FOR NOTES SEE SHEET 3 OF 3

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 GIRDER.)

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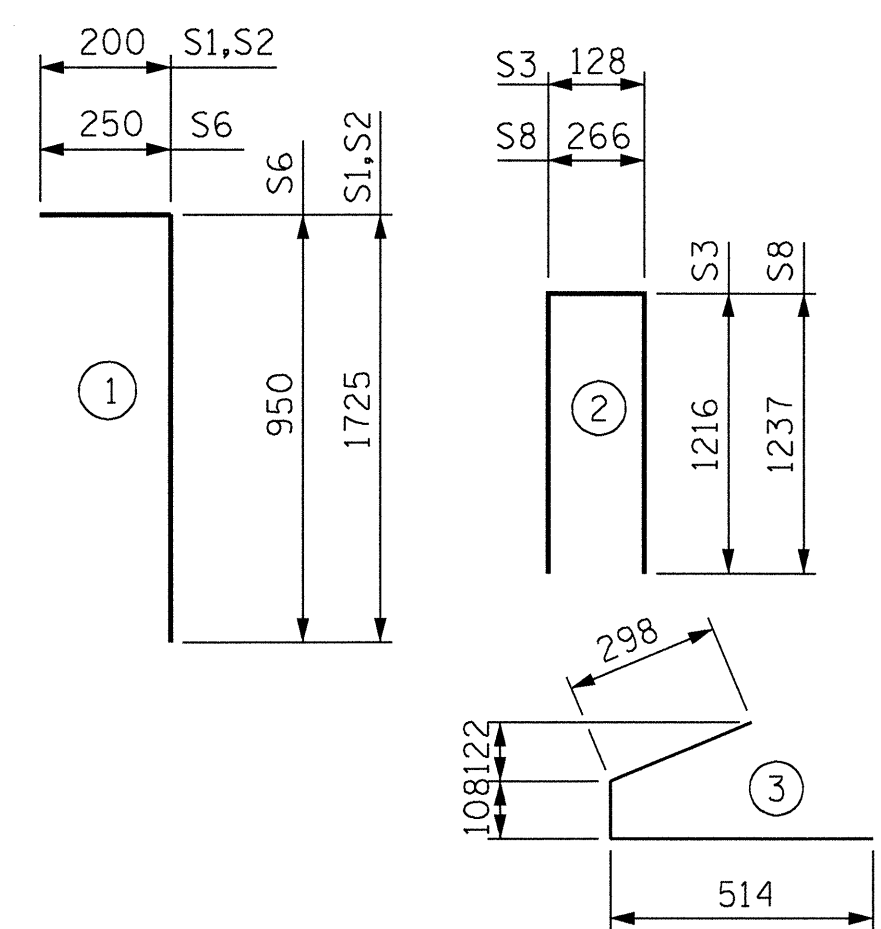
15.24mm Ø L. R. GRADE 270 STRANDS		
AREA (mm ²)	ULTIMATE STRENGTH (kN PER STRAND)	APPLIED PRESTRESS (kN PER STRAND)
140.0	260.7	195.5

REINFORCING STEEL FOR ONE GIRDER					
BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT
S1	198	#13	1	1925	379
S2	24	#16	1	1925	72
S3	12	#13	2	2560	31
S4	84	#13	3	920	77
S6	222	#16	1	1200	413
*S7	20	#16	STR	1120	35
S8	2	#16	2	2740	9
S9	40	#16	STR	980	61

* 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	55.2 MPa CONCRETE	15.24mm Ø L.R. STRANDS
	kg	m ³	No.
SPAN A	1,077	15.2	42

GIRDERS REQUIRED

LOCATION	NUMBER	LENGTH	TOTAL LENGTH
SPAN A	4	30.690m	122.760m

PROJECT NO. R-2552C
JOHNSTON COUNTY
STATION: 121+97.157 -L2LT-

SHEET 2 OF 3

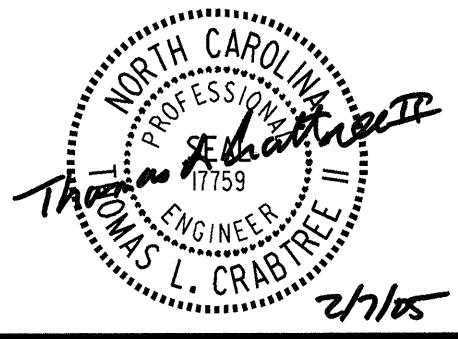
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

OPTIONAL
1600mm PRESTRESSED
CONCRETE MODIFIED BULB TEE
CONTINUOUS FOR LIVE LOAD
(LEFT BRIDGE)

REVISIONS					TOTAL SHEETS
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		

R.N. LTB1-11
STD. No. PCGD95M

THIS STANDARD DRAWING REVIEWED AND ADAPTED FOR USE AT THE REFERENCED LOCATION BY THE UNDERSIGNED:



ASSEMBLED BY : LOFTON	DATE : 12/04
CHECKED BY : TLC	DATE : 12/04
DRAWN BY : RWW 9/19/02	ADDED 9/19/02
CHECKED BY : GM 9/19/02	

USER: klmjgfton DATE: 2/4/2005
 DGN: K:\B162\U_Bridge\CADD\pgd2\U.dgn TIME: 15:22:33
 USER: klmjgfton DATE: 2/4/2005
 DGN: K:\B162\U_Bridge\CADD\pgd2\U.dgn TIME: 15:22:33