

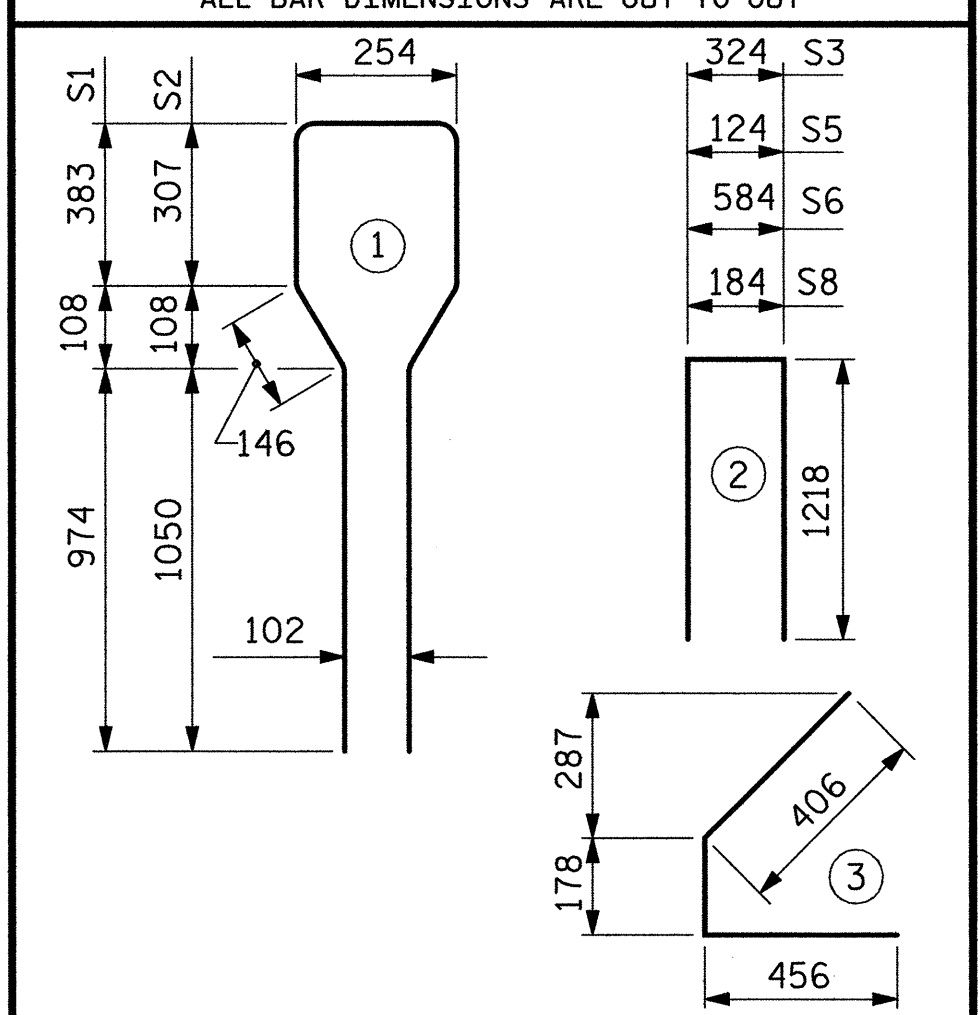
12.70mm Ø L. R. GRADE 270 STRANDS		
AREA (mm <sup>2</sup> )	ULTIMATE STRENGTH (kN PER STRAND)	APPLIED PRESTRESS (kN PER STRAND)
98.71	183.7	137.8

REINFORCING STEEL FOR ONE GIRDER					
BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT
S1	85	#13	1	3260	275
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	45.0 MPa CONCRETE	12.70mm Ø L.R. STRANDS
	kg	m <sup>3</sup>	No.
	478	12.1	38

GIRDERS REQUIRED		
NUMBER	LENGTH	TOTAL LENGTH
SPAN A	4	23.812m
SPAN C	4	23.812m
SPAN D	4	23.812m
SPAN F	4	23.812m

PROJECT NO. R-2552C

JOHNSTON COUNTY

STATION: 109+56.000 -L2LT- POT

SHEET 1 OF 3

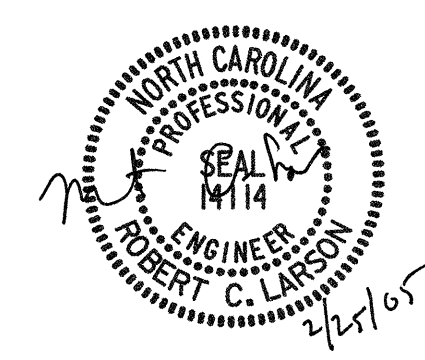
STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH

STANDARD  
AASHTO TYPE IV  
PRESTRESSED CONCRETE GIRDER  
CONTINUOUS FOR LIVE LOAD  
SPAN A, C, D & F (LEFT LANE)  
STD. NO. PCG6SM

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

TOTAL SHEETS: 4/31

THIS STANDARD DRAWING REVIEWED & ADOPTED FOR USE AT THE REFERENCED LOCATION BY THE UNDERSIGNED:



REFERENCE NO. BL-13

ASSEMBLED BY : W. B. ALLEN	DATE : 9/04
CHECKED BY : R. C. LARSON	DATE : 10/04
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

02/21/2005 07:03:08 AM P:\Structures\Site In\Left Lane\R2552C-SD.dwg