

6.50
classemini

RG 650

Series Production MINI 6.50

GYD
G Yacht Design

www.rg650.com

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RG 650

Series Production MINI 6.50



THE TEAM

The RG650 is a new Series design a joint project of the builder Riotecna and GYD.

As a third generation Mini design, the RG-650 features the latest design trends including a high performance chine hull and high aspect ratio appendages.

The RG650 has evolved directly from GYDs experience with their proto No Koncept ARG 695.

THE YARD



Riotecna has been founded in 1992 with its first 470 boat launched in 1993, and their famous Lange Optimist in 1994. With 19 years of hard work and more than 30 years of experience Riotecna is now a world recognized brand in the manufacturing of dinghies.

Riotecna counts with a manufacturing plant of 1440 m2 and 210m2 of technical office and showroom.

Their experience in series production of one design dinghies, hi tech composite knowledge, strict quality control and their passion for sailing is only some of the reasons why there is no better place for the RG650!

OUR SUPPLIERS



spinlock



THE DESIGN



GYD has been created in 2006 by Nicolas Goldenberg.

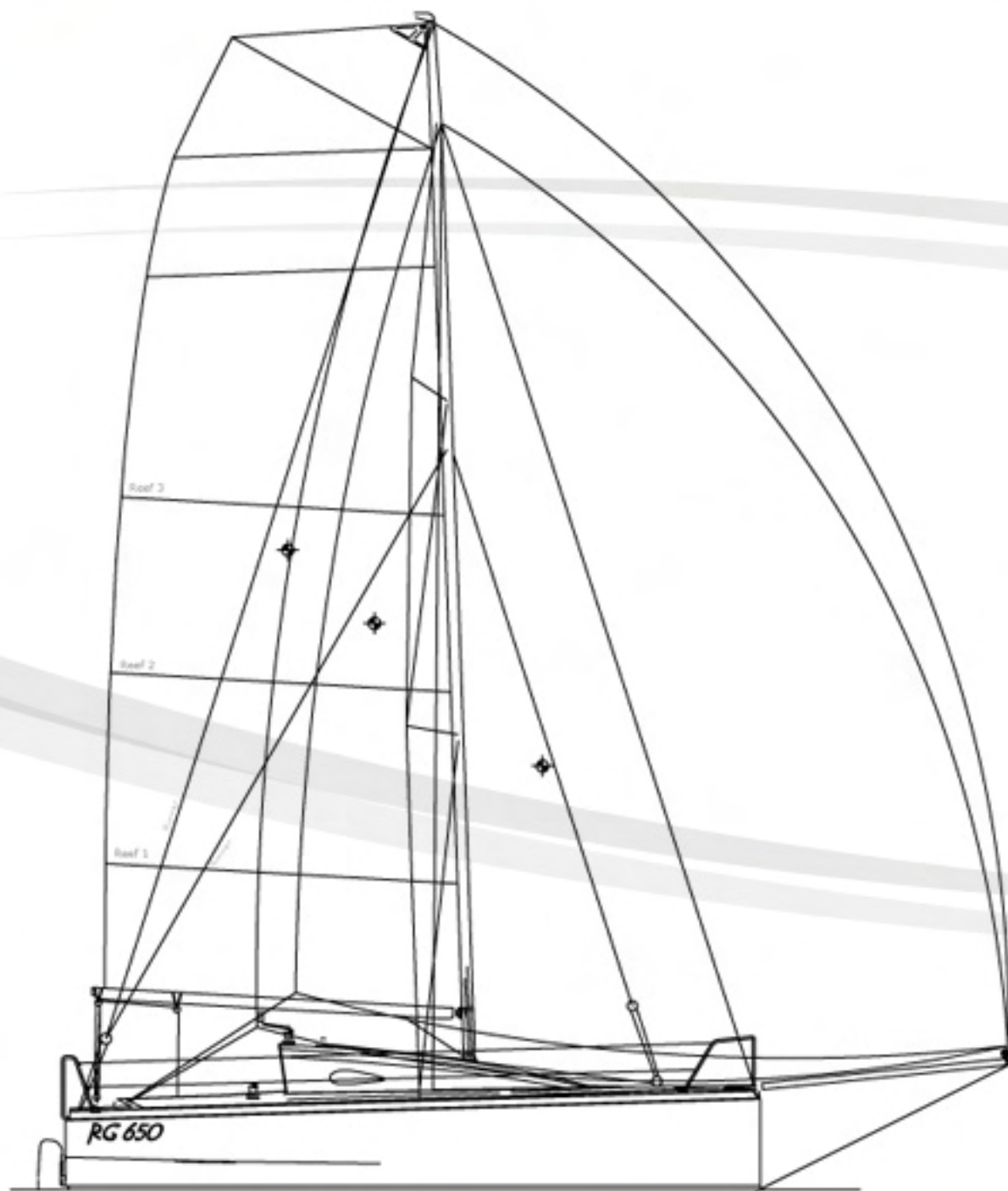
As a chief Naval Architect, Nicolas, has always been involved in innovative high tech projects; building the first professionally build Mini 6.50 in Argentina which is also the first boat in the region to feature a square top main sail, twin asymmetric daggerboards, and carbon canting keel structure.

This Mini, known as the No Koncept #695 has been a solid test ground for the creation of the RG 650.

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TECHNICAL DATA

<i>Name</i>	<i>RG 650</i>
<i>Design</i>	<i>G Yacht Design</i>
<i>Yard</i>	<i>RioTecna</i>
<i>Type</i>	<i>Serie Mini 650</i>

<i>LOA</i>	<i>6.50 m</i>
<i>BOA</i>	<i>3.00 m</i>
<i>Draft</i>	<i>1.60 m</i>
<i>Displacement</i>	<i>950 kg</i>
<i>Ballast</i>	<i>450 kg</i>

<i>Main</i>	<i>27 m²</i>
<i>Jib</i>	<i>14.2 m²</i>
<i>Spi max</i>	<i>84 m²</i>
<i>Spi small</i>	<i>55 m²</i>
<i>C0 Max</i>	<i>35 m²</i>

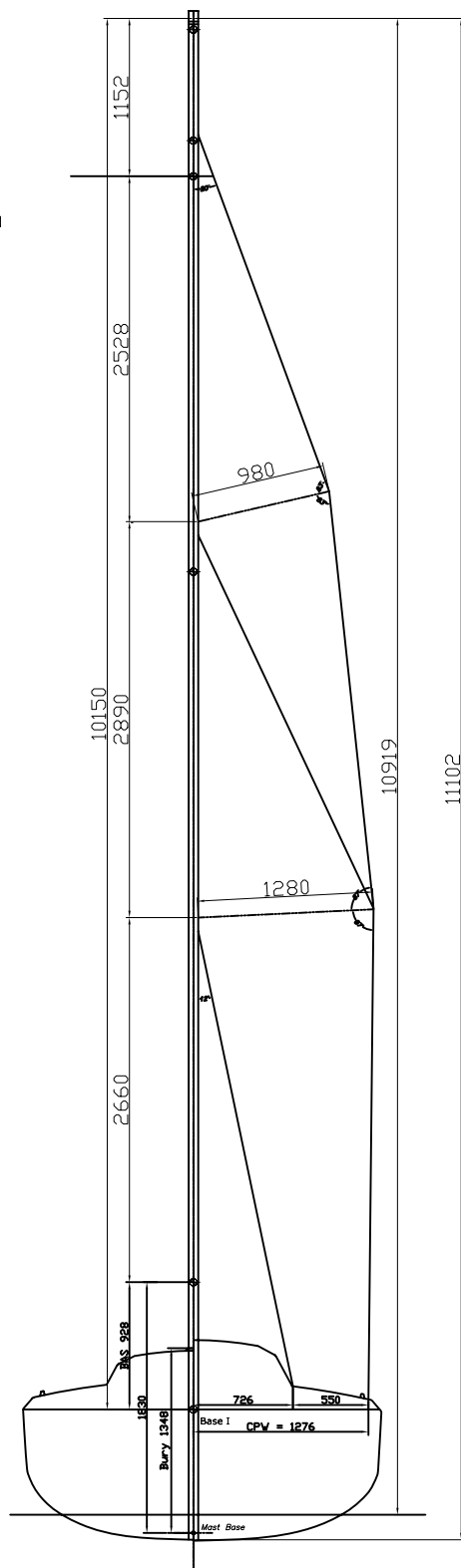
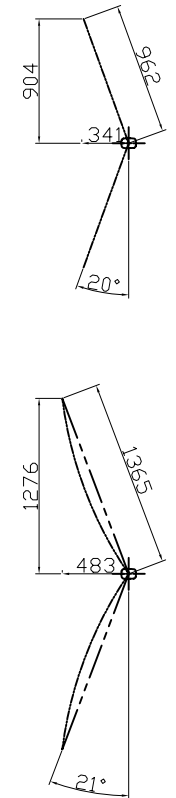
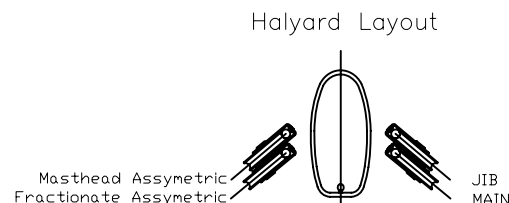
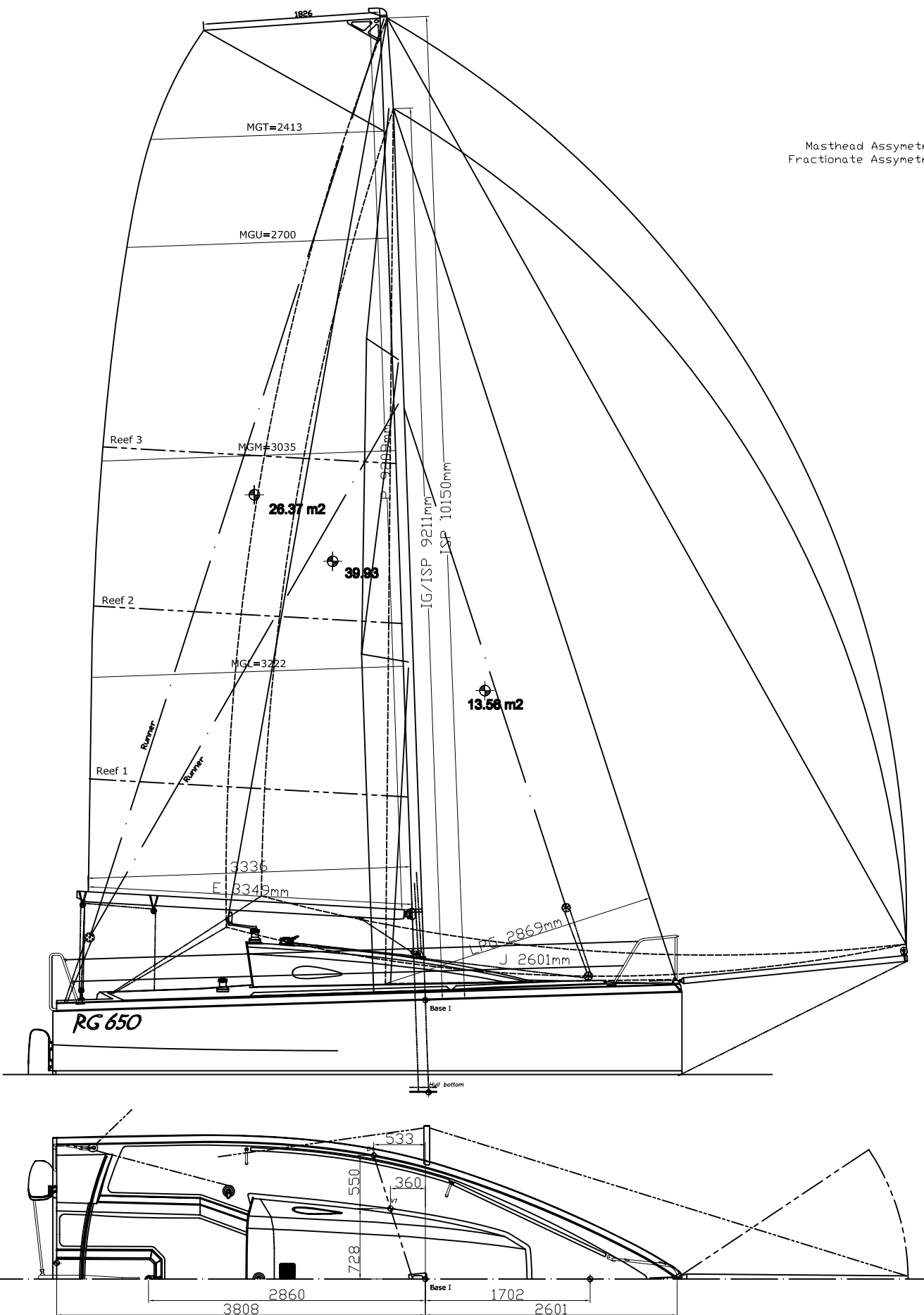
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RG 650

Project Name: RG 650

Note: Preliminar

A
B
C
D
E
F



TECHNICAL DATA	
MAIN DATA	
LOA:	6.50m
Bmax:	3.00m
Draft:	1.60m
Displacement:	940kg
STABILITY DATA	
SAIL DATA	
Main Area:	27.0 m ²
Jib Area:	14.0 m ²
A2:	80.0 m ²
A1:	50.0 m ²
Code Zero:	45 m ²
SA total:	41.0 m ²
P:	9209 mm
E:	3349 mm
BAS:	936 mm
IG/ISP:	9211 mm
ISP:	10150 mm
J:	2601 mm
CPW:	1276 mm
MAST DATA	
Tube Length:	11.102 m
Type:	2 spreaders, Keel stepped
Material:	Aluminium 6061 T6
Section Dimintions:	TBE
Section Modulus:	TBE
Weight min:	2.10 kg/m
Halyards:	4 - Main, Jib, A2, A3 -
Runners:	2 - Top & Mid -
RIGGING DATA	
V1/D1:	TBE
V2/D3:	TBE
D2:	TBE
Fore Stay:	TBE
BOOM DATA	
Material:	Aluminium 6061 T6
Section Dimintions:	TBE
Section Modulus:	TBE
BOWSPRIT DATA	
Tube Length:	2400 mm
Material:	Aluminium
Section Dimintions:	to be confirmed
Section Modulus:	to be confirmed

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07/08/2010 D1 correction
 07/04/2010 J correction
 23/03/2010 Z-Spar design mod.
 Last Updated: 17/03/2010 Mast Base and Bury measurement

 e-mail: info@gydchdesign.com	RG 650 Owner: Nicolas Goldenberg	
	Date: 25/02/2010	Scale: 1:55 @ A3
File Name: RG650-RGG-01-03	Page: 1 of 1	
Designer: Nicolas Goldenberg	Checked by:	

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THE RG 650 IN DETAIL

CONSTRUCTION

HULL

*Eglass/polyester infused on female moulds.
Structure grid infused on female moulds/ sandwich bulkheads.
Exterior finish in white gelcoat.
Interior finish white paint*

DECK

*Sandwich Eglass/polyester/corecell on female moulds
Non-skid deck finish
Water tight main hatch
Exterior finish in white gelcoat.*

APPENDAGES

*Keel blade in cast iron
Lead bulb
2 rudders*

MAST & RIGGING

*Z-Spar mast, boom and rigging.
2 set of spreaders: lower set curved.*

METALWORK

*Pulpit, pushpit, stanchions and lifelines.
Rotating bowsprit system.*

HARDWARE

*Holmatro winches
Karver & Ronstan Blocks and deck hardware.
Custom hardware and custom low friction rings.
Wichard padeyes*

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