

Genoa: 7000122 Marc Bianca 43 headsail.des

Design Info

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Design File:

F:\Dropbox\Dropbox-20221019\Dropbox20221213\Dropbox\Fareast Sails\2023 Order\Need Confrim Order\7000122 M

Initial Design Date: 3/2/2023

Boat:

Client:

Comments:

LP 110%%

tack height off deck 0

clew height off deck 1955mm

Design Data

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Genoa

Measurements

Luff geodesic:	17.333m
Leech geodesic:	14.662m
Foot geodesic:	7.263m
Headboard width:	0.060m
Luff perpendicular (HLP):	6.105m
Upper width (HUW):	0.672m
Three-quarter width (HTW):	1.319m
Half width (HHW):	2.757m
Quarter width (HQW):	4.373m
Foot median:	15.801m
ORC Headsail area:	50.238m?
IRC Headsail area:	50.115m?
Surface area:	50.707m?
Forestay height:	16.800m
J:	5.550m

Draft Stripes

1, Luff: 4.354m ; Leech: 2.213m ;
2, Luff: 8.706m ; Leech: 6.375m ;
3, Luff: 13.040m ; Leech: 10.482m ;

Luff Curve

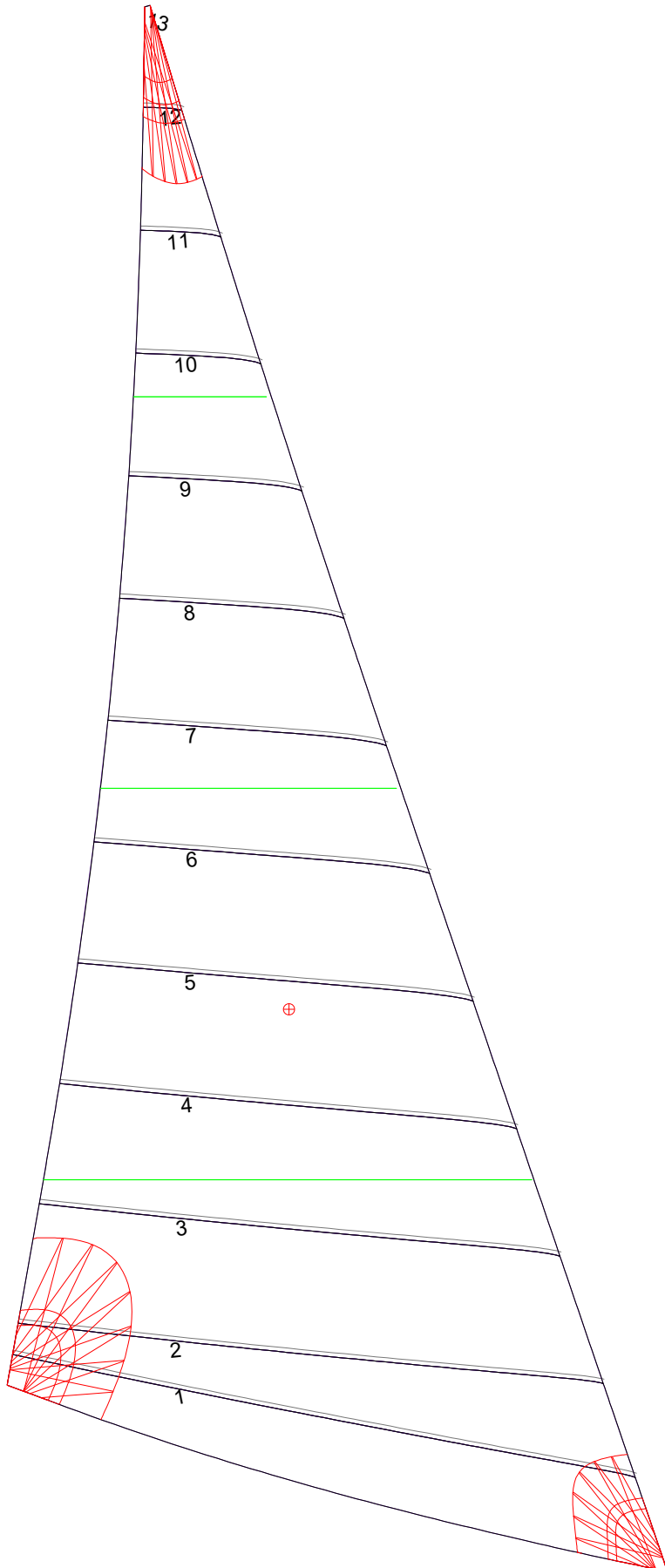
17.329m,	0.000m
15.889m,	0.059m
14.297m,	0.106m
12.895m,	0.131m
11.264m,	0.140m
8.624m,	0.123m
5.632m,	0.083m
2.929m,	0.042m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.347m])

100% (17.330m) :	-0.000m	0.000m
90% (15.598m) :	-0.068m	-0.022m
80% (13.865m) :	-0.118m	-0.031m
70% (12.132m) :	-0.142m	-0.025m
60% (10.399m) :	-0.145m	-0.011m
50% (8.665m) :	-0.132m	0.007m
40% (6.932m) :	-0.109m	0.023m
30% (5.199m) :	-0.082m	0.033m
20% (3.466m) :	-0.055m	0.034m
10% (1.732m) :	-0.028m	0.021m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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Seam Allowances			
Zone: 1	Split	Radial	Cross
	0.000m	0.000m	0.045m

Edge Excesses			
Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	42.04
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	50.84	1,2,3,4,5 6,7,8,9,10 11,12,13