

Genoa: 7000122 Marc Bianca 43 headsail V1.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:	17.325m
Leech geodesic:	14.655m
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:	15.793m
ORC Headsail area:	50.215m?
IRC Headsail area:	50.092m?
Surface area:	50.683m?
Forestay height:	16.800m
J:	5.550m

Draft Stripes

- 1, Luff: 4.352m ; Leech: 2.211m ;
- 2, Luff: 8.702m ; Leech: 6.371m ;
- 3, Luff: 13.034m ; Leech: 10.476m ;

Luff Slides

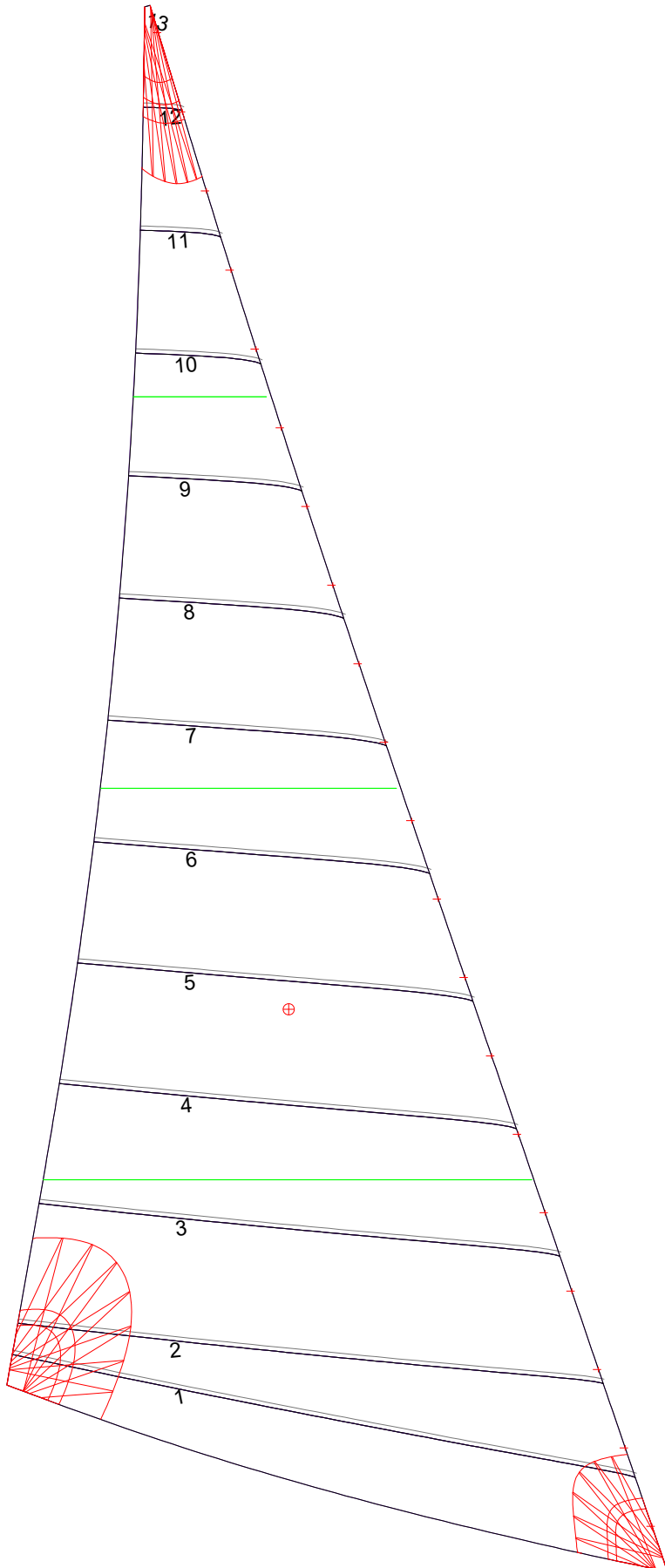
- 1, Position: 0.500m
- 2, Position: 1.370m
- 3, Position: 2.239m
- 4, Position: 3.109m
- 5, Position: 3.979m
- 6, Position: 4.849m
- 7, Position: 5.718m
- 8, Position: 6.588m
- 9, Position: 7.458m
- 10, Position: 8.328m
- 11, Position: 9.197m
- 12, Position: 10.067m
- 13, Position: 10.937m
- 14, Position: 11.807m
- 15, Position: 12.676m
- 16, Position: 13.546m
- 17, Position: 14.416m
- 18, Position: 15.286m
- 19, Position: 16.155m
- 20, Position: 17.025m

Luff Curve

17.321m,	0.000m
15.882m,	0.059m
14.290m,	0.106m
12.889m,	0.131m
11.259m,	0.140m
8.620m,	0.123m
5.629m,	0.083m
2.928m,	0.042m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.347m])		Before BSeam
100% (17.322m) :	0.000m	-0.000m
90% (15.590m) :	-0.069m	-0.022m
80% (13.859m) :	-0.119m	-0.031m
70% (12.126m) :	-0.144m	-0.025m
60% (10.394m) :	-0.147m	-0.011m
50% (8.661m) :	-0.133m	0.007m
40% (6.929m) :	-0.111m	0.023m
30% (5.197m) :	-0.084m	0.033m
20% (3.465m) :	-0.056m	0.034m
10% (1.731m) :	-0.028m	0.021m
0% (0.000m) :	0.000m	0.000m

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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	50.82	1,2,3,4,5 6,7,8,9,10 11,12,13