

Genoa: 7000214 Matt headsail.des

Design Info

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Design File:

F:\Dropbox\Dropbox-20221019\Dropbox20221213\Dropbox\Fareast Sails\2023 Order\Need Confrim Order\7000214 M

Initial Design Date: 21/2/2023

Boat:

Comments:

Client:

Design Data

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Genoa

Measurements

Luff geodesic:	5.630m
Leech geodesic:	5.010m
Foot geodesic:	2.370m
Headboard width:	0.030m
Luff perpendicular (HLP):	2.120m
Upper width (HUW):	0.247m
Three-quarter width (HTW):	0.475m
Half width (HHW):	0.977m
Quarter width (HQW):	1.532m
Foot median:	5.283m
ORC Headsail area:	5.736m?
IRC Headsail area:	5.722m?
Surface area:	5.818m?
Forestay height:	6.000m
J:	2.300m

Luff Curve

5.629m,	0.000m
5.161m,	0.019m
4.644m,	0.035m
4.188m,	0.042m
3.659m,	0.045m
2.801m,	0.040m
1.829m,	0.027m
0.951m,	0.014m
0.000m,	0.000m

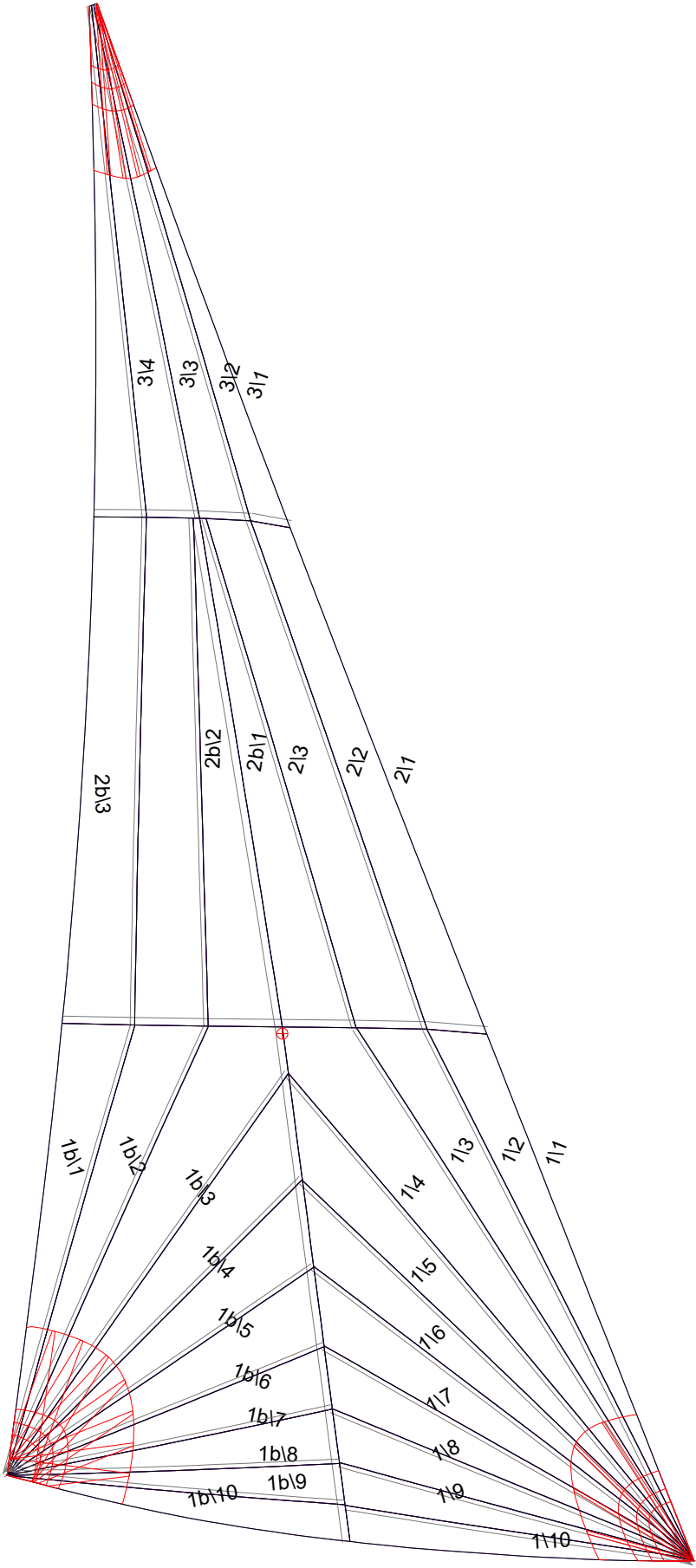
Fanned Luff (@ 5.00% [0.116m])

100% (5.629m) :	0.000m
90% (5.066m) :	-0.021m
80% (4.504m) :	-0.037m
70% (3.941m) :	-0.044m
60% (3.378m) :	-0.045m
50% (2.815m) :	-0.041m
40% (2.252m) :	-0.034m
30% (1.689m) :	-0.026m
20% (1.126m) :	-0.017m
10% (0.563m) :	-0.008m
0% (0.000m) :	0.000m

Before BSeam

-0.000m
-0.003m
-0.003m
0.000m
0.006m
0.011m
0.015m
0.015m
0.013m
0.009m
0.000m

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Seam Allowances			
	Split	Radial	Cross
Zone: 1/a	0.025m	0.015m	0.025m
Zone: 1/b	0.025m	0.015m	0.025m
Zone: 2/a	0.025m	0.015m	0.025m
Zone: 2/b	0.025m	0.015m	0.025m
Zone: 3	0.025m	0.015m	0.025m

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

Total Seam Lengths (m)	
Horizontal	2.22
Radial/Vertical	40.02
Bi-Radial Split	3.69

Materials		
Material	Area (m²)	Panels
Material 1	5.83	1l1,1l2,1l3,1l4,1l5 1l6,1l7,1l8,1l9,1l10 1b1,1b2,1b3,1b4,1b5 1b6,1b7,1b8,1b9,1b10 2l1,2l2,2l3,2b1,2b2 2b3,3l1,3l2,3l3,3l4