

Genoa: 6000122 Genoa-v2

Design Info

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Design File:

E:\dropbox\Dropbox\Fareast Sails\2022 Order\6000122\6000122 Genoa-v2.des

Initial Design Date: 2/2/2022

Boat:

Comments:

Client:

Design Data

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Genoa

Measurements

Luff geodesic:	13.015m
Leech geodesic:	11.615m
Foot geodesic:	5.890m
Headboard width:	0.025m
Luff perpendicular (HLP):	5.297m
Upper width (HUW):	0.636m
Three-quarter width (HTW):	1.263m
Half width (HHW):	2.577m
Quarter width (HQW):	3.938m
Foot median:	12.234m
ORC Headsail area:	33.990m?
IRC Headsail area:	33.929m?
Surface area:	34.767m?
Forestay height:	12.890m
J:	3.770m

Luff Curve

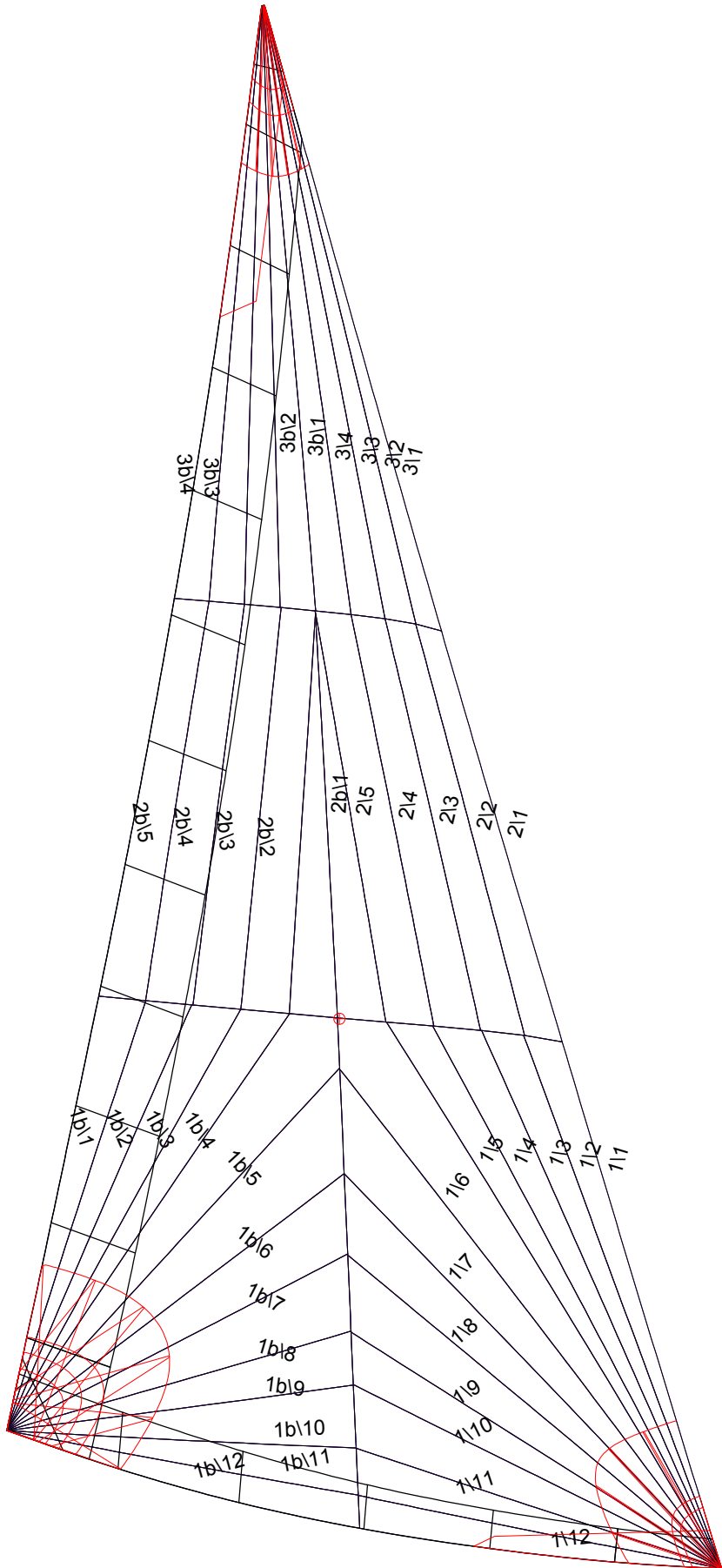
13.014m,	0.000m
10.404m,	0.048m
7.796m,	0.072m
5.193m,	0.066m
2.594m,	0.038m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.286m])

100% (13.014m) :	0.000m	0.000m
90% (11.712m) :	-0.025m	0.012m
80% (10.412m) :	-0.050m	0.024m
70% (9.110m) :	-0.067m	0.034m
60% (7.808m) :	-0.077m	0.044m
50% (6.507m) :	-0.078m	0.051m
40% (5.206m) :	-0.072m	0.054m
30% (3.904m) :	-0.060m	0.048m
20% (2.603m) :	-0.044m	0.036m
10% (1.300m) :	-0.024m	0.021m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.038m	0.015m	0.038m
Zone: 1/b	0.038m	0.015m	0.038m
Zone: 2/a	0.038m	0.015m	0.038m
Zone: 2/b	0.038m	0.015m	0.038m
Zone: 3/a	0.038m	0.015m	0.038m
Zone: 3/b	0.038m	0.015m	0.038m
Cover 1	0.025m	0.025m	0.025m
Cover 2	0.025m	0.025m	0.025m
Cover 3	0.000m	0.000m	0.000m
Cover 4	0.000m	0.000m	0.000m

Edge Excesses

	Luff	Leech	Foot
Sail:	0.000m	0.000m	0.000m
Cover 0	0.070m	0.070m	0.070m
Cover 1	0.070m	0.070m	0.070m
Cover 2	0.000m	0.000m	0.000m
Cover 3	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	6.17
Radial/Vertical	139.63
Bi-Radial Split	12.63

Materials

Material	Area (m ²)	Panels
Material 1	34.80	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1\9,1\10 1\11,1\12,1b\1,1b\2,1b\3 1b\4,1b\5,1b\6,1b\7,1b\8 1b\9,1b\10,1b\11,1b\12,2\1 2\2,2\3,2\4,2\5,2b\1 2b\2,2b\3,2b\4,2b\5,3\1 3\2,3\3,3\4,3b\1,3b\2 3b\3,3b\4