

Genoa: 6001223 Jaime GIBSEA 43 headsail.des

Design Info
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Design File:
F:\Dropbox\Dropbox-20221019\Dropbox20221213\Dropbox\Fareast Sails\2023 Order\Need Confrim Order\6001223 Ja

Initial Design Date: 11/1/2023
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	14.030m
Leech geodesic:	13.470m
Foot geodesic:	6.760m
Headboard width:	0.030m
Luff perpendicular (HLP):	6.433m
Upper width (HUW):	0.708m
Three-quarter width (HTW):	1.417m
Half width (HHW):	2.980m
Quarter width (HQW):	4.658m
Foot median:	13.584m
ORC Headsail area:	43.280m?
IRC Headsail area:	43.210m?
Surface area:	43.669m?
Forestay height:	15.100m
J:	5.050m

Luff Curve

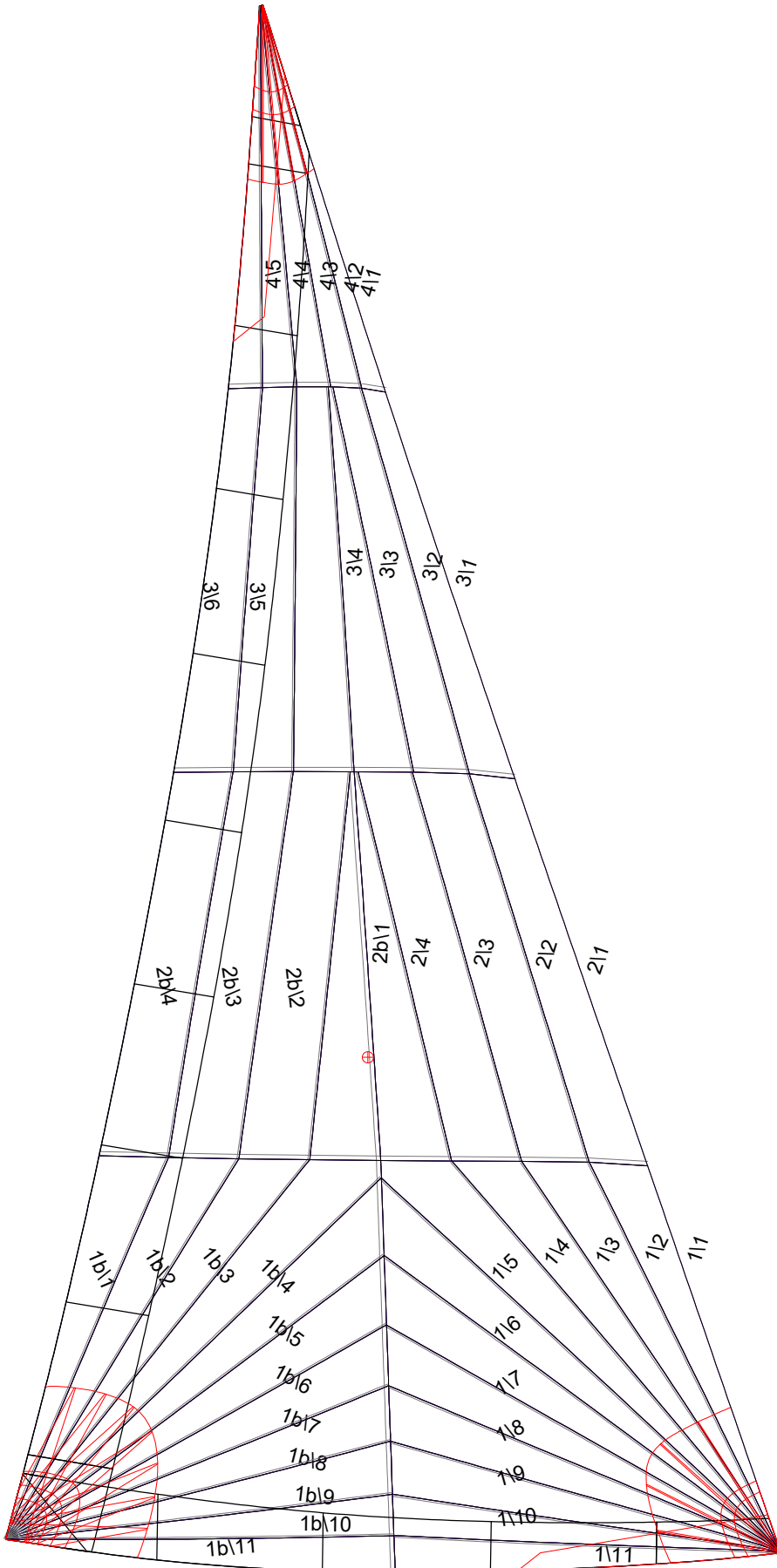
14.027m,	0.000m
12.862m,	0.048m
11.573m,	0.086m
10.438m,	0.106m
9.118m,	0.113m
6.981m,	0.099m
4.559m,	0.068m
2.371m,	0.034m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.333m])

100% (14.028m) :	0.000m	0.000m
90% (12.624m) :	-0.050m	-0.001m
80% (11.224m) :	-0.088m	0.002m
70% (9.820m) :	-0.106m	0.013m
60% (8.417m) :	-0.109m	0.028m
50% (7.014m) :	-0.100m	0.041m
40% (5.611m) :	-0.083m	0.048m
30% (4.208m) :	-0.063m	0.046m
20% (2.806m) :	-0.041m	0.038m
10% (1.402m) :	-0.021m	0.025m
0% (0.000m) :	-0.000m	0.000m

Before BSeam

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Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.038m	0.016m	0.038m
Zone: 1/b	0.038m	0.016m	0.038m
Zone: 2/a	0.038m	0.016m	0.038m
Zone: 2/b	0.038m	0.016m	0.038m
Zone: 3	0.038m	0.016m	0.038m
Zone: 4	0.038m	0.016m	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	9.49
Radial/Vertical	128.98
Bi-Radial Split	7.11

Materials

Material	Area (m ²)	Panels
Material 1	43.76	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1\9,1\10 1\11,1b\1,1b\2,1b\3,1b\4 1b\5,1b\6,1b\7,1b\8,1b\9 1b\10,1b\11,2\1,2\2,2\3 2\4,2b\1,2b\2,2b\3,2b\4 3\1,3\2,3\3,3\4,3\5 3\6,4\1,4\2,4\3,4\4 4\5