

Genoa: 5000103 David jib.des

Design Info

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Design File:

D:\dropbox\Dropbox\Fareast Sails\2021\5000103 David\5000103 David jib.des

Initial Design Date: 16/2/2021
Boat:

Comments:

Client:

Design Data

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Genoa

Measurements

Luff geodesic:	5.432m
Leech geodesic:	4.660m
Foot geodesic:	1.829m
Headboard width:	0.050m
Luff perpendicular (HLP):	1.524m
Upper width (HUW):	0.180m
Three-quarter width (HTW):	0.329m
Half width (HHW):	0.696m
Quarter width (HQW):	1.103m
Foot median:	5.034m
ORC Headsail area:	3.955m ²
IRC Headsail area:	3.944m ²
Surface area:	4.018m ²
Forestay height:	5.780m
J:	1.960m

Luff Curve

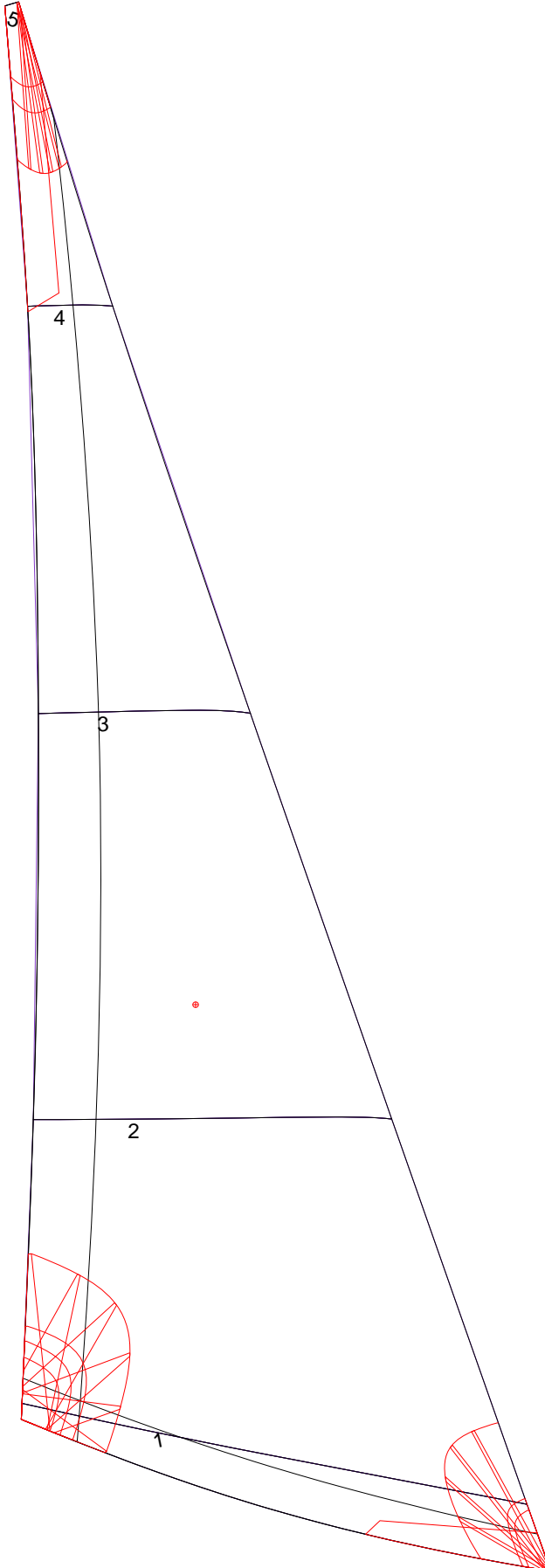
5.431m,	0.000m
4.980m,	0.018m
4.480m,	0.033m
4.041m,	0.041m
3.530m,	0.044m
2.703m,	0.039m
1.765m,	0.026m
0.918m,	0.013m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.087m])

100% (5.431m) :	-0.000m	-0.000m
90% (4.887m) :	-0.024m	-0.015m
80% (4.346m) :	-0.041m	-0.022m
70% (3.802m) :	-0.048m	-0.020m
60% (3.259m) :	-0.049m	-0.013m
50% (2.716m) :	-0.044m	-0.004m
40% (2.172m) :	-0.037m	0.003m
30% (1.629m) :	-0.029m	0.008m
20% (1.086m) :	-0.020m	0.009m
10% (0.543m) :	-0.011m	0.005m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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Seam Allowances			
	Split	Radial	Cross
Zone: 1	0.000m	0.000m	0.015m
Cover 1	0.025m	0.025m	0.025m
Cover 2	0.025m	0.025m	0.025m

Edge Excesses			
	Luff	Leech	Foot
Sail:	0.000m	0.000m	0.000m
Cover 0	0.050m	0.100m	0.050m
Cover 1	0.050m	0.100m	0.050m

Total Seam Lengths (m)

Horizontal	3.98
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	4.05	1,2,3,4,5

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