

Genoa: 5000532 Bert mainsail.des

Design Info

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Design File:

D:\dropbox\Dropbox\Fareast Sails\2021\5000532 Bert\5000532 Bert mainsail.des

Initial Design Date: 15/6/2021

Boat:

Client:

Comments:

Design Data

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Genoa

Measurements

Luff geodesic:	8.669m
Leech geodesic:	8.026m
Foot geodesic:	3.615m
Headboard width:	0.005m
Luff perpendicular (HLP):	3.372m
Upper width (HUW):	0.355m
Three-quarter width (HTW):	0.721m
Half width (HHW):	1.544m
Quarter width (HQW):	2.443m
Foot median:	8.280m
ORC Headsail area:	13.930m?
IRC Headsail area:	13.883m?
Surface area:	14.054m?
Forestay height:	9.925m
J:	3.372m

Luff Curve

8.667m,	0.000m
7.947m,	0.029m
7.151m,	0.053m
6.449m,	0.065m
5.634m,	0.070m
4.313m,	0.061m
2.817m,	0.042m
1.465m,	0.021m
0.000m,	0.000m

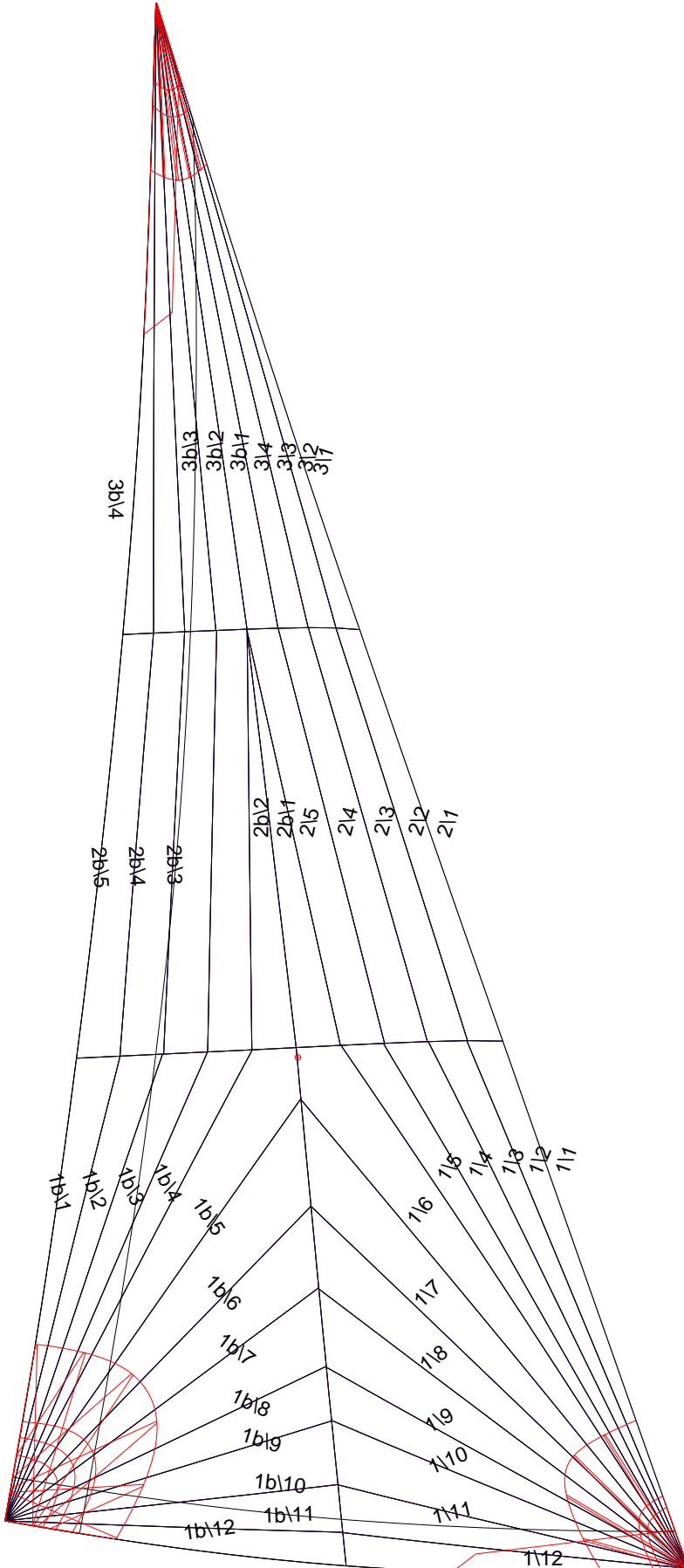
Fanned Luff (@ 5.00% [0.179m])

100% (8.667m) :	0.000m
90% (7.800m) :	-0.031m
80% (6.935m) :	-0.058m
70% (6.068m) :	-0.071m
60% (5.201m) :	-0.071m
50% (4.334m) :	-0.065m
40% (3.467m) :	-0.054m
30% (2.600m) :	-0.042m
20% (1.734m) :	-0.029m
10% (0.866m) :	-0.015m
0% (0.000m) :	0.000m

Before BSeam

0.000m
-0.011m
-0.018m
-0.015m
-0.004m
0.008m
0.021m
0.030m
0.030m
0.017m
0.000m

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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

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	3.64
Radial/Vertical	92.57
Bi-Radial Split	8.68

Materials

Material	Area (m ²)	Panels
Material 1	14.09	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

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