

Genoa: 8000926 Tobias Baltic 42 FurljibV3.des

Design Info

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Design File:

\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000926 Tobias h

Initial Design Date: 8/10/2024

Boat:

Baltic 42

Client:

Comments:

Design Data

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Genoa

Measurements

Luff geodesic:	16.236m
Leech geodesic:	14.754m
Foot geodesic:	5.767m
Headboard width:	0.045m
Luff perpendicular (HLP):	5.250m
Upper width (HUW):	0.569m
Three-quarter width (HTW):	1.122m
Half width (HHW):	2.358m
Quarter width (HQW):	3.752m
Foot median:	15.363m
ORC Headsail area:	40.332m?
IRC Headsail area:	40.236m?
Surface area:	40.362m?
Forestay height:	17.000m
J:	5.250m

Draft Stripes

1, Luff: 4.072m ; Leech: 3.070m ;
2, Luff: 8.144m ; Leech: 6.963m ;
3, Luff: 12.204m ; Leech: 10.826m ;

Luff Curve

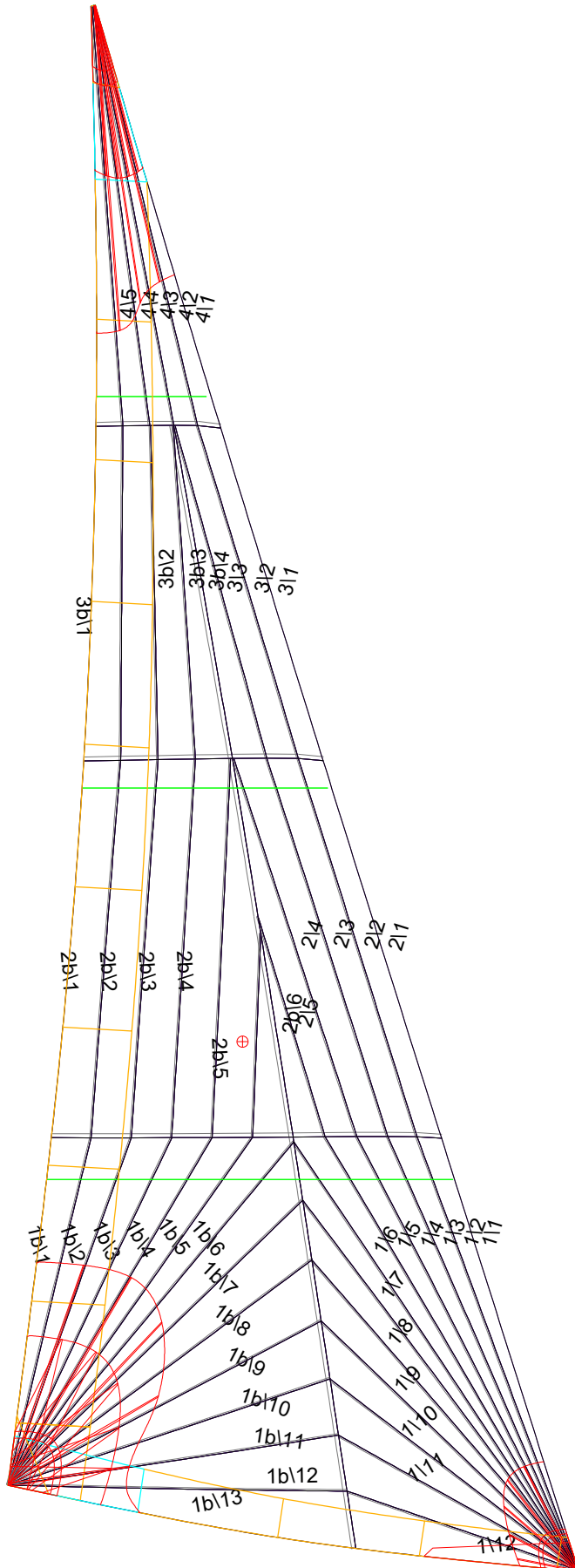
16.234m,	0.000m
14.885m,	0.041m
13.393m,	0.074m
12.080m,	0.091m
10.553m,	0.097m
8.079m,	0.085m
5.276m,	0.058m
2.744m,	0.029m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.283m])

100% (16.235m) :	0.000m	-0.000m
90% (14.611m) :	-0.043m	-0.006m
80% (12.988m) :	-0.075m	-0.007m
70% (11.365m) :	-0.091m	0.001m
60% (9.741m) :	-0.095m	0.012m
50% (8.117m) :	-0.088m	0.023m
40% (6.494m) :	-0.075m	0.031m
30% (4.870m) :	-0.058m	0.034m
20% (3.247m) :	-0.040m	0.031m
10% (1.623m) :	-0.021m	0.018m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.040m	0.015m	0.040m
Zone: 1/b	0.040m	0.015m	0.040m
Zone: 2/a	0.040m	0.015m	0.040m
Zone: 2/b	0.040m	0.015m	0.040m
Zone: 3/a	0.040m	0.015m	0.040m
Zone: 3/b	0.040m	0.015m	0.040m
Zone: 4	0.040m	0.015m	0.040m
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	0.100m	0.070m
Cover 1	0.070m	0.070m	0.100m
Cover 2	0.000m	0.070m	0.070m
Cover 3	0.000m	0.070m	0.070m

Total Seam Lengths (m)

Horizontal	7.85
Radial/Vertical	156.17
Bi-Radial Split	11.69

Materials

Material	Area (m ²)	Panels
Material 1	40.44	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, 1b\13 2\1, 2\2, 2\3, 2\4, 2\5 2b\6, 2b\5, 2b\4, 2b\3, 2b\2 2b\1, 3\1, 3\2, 3\3, 3b\4 3b\3, 3b\2, 3b\1, 4\1, 4\2 4\3, 4\4, 4\5