

Genoa: 8000706 Romuald-2 Kelt 9m furlgen.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000706 Romuald

Initial Design Date: 22/7/2024
Boat:
Kelt 9m
Client:

Comments:

Design Data
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Genoa

Measurements

Luff geodesic: 10.970m
Leech geodesic: 10.624m
Foot geodesic: 5.506m
Headboard width: 0.045m
Luff perpendicular (HLP): 5.265m
Upper width (HUW): 0.610m
Three-quarter width (HTW): 1.205m
Half width (HHW): 2.500m
Quarter width (HQW): 3.862m
Foot median: 10.668m
ORC Headsail area: 28.104m?
IRC Headsail area: 28.038m?
Surface area: 28.488m?
Forestay height: 10.930m
J: 3.510m

Draft Stripes

1, Luff: 2.757m ; Leech: 2.642m ;
2, Luff: 5.505m ; Leech: 5.309m ;
3, Luff: 8.244m ; Leech: 7.946m ;

Luff Curve

10.969m, 0.000m
8.769m, 0.047m
6.571m, 0.064m
4.377m, 0.058m
2.187m, 0.037m
0.000m, 0.000m

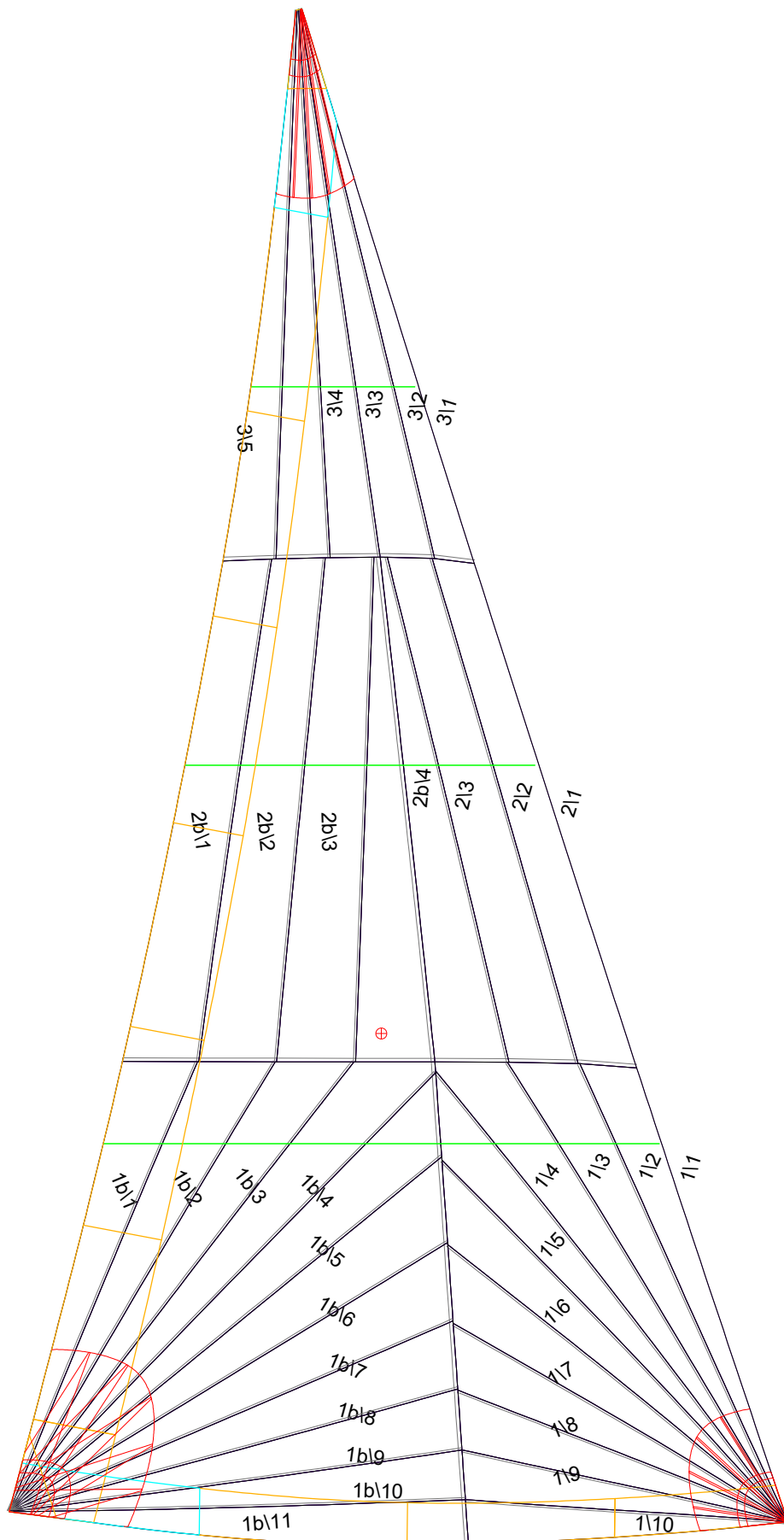
Fanned Luff (@ 5.00% [0.269m])

100% (10.969m) : -0.000m
90% (9.871m) : -0.023m
80% (8.776m) : -0.045m
70% (7.678m) : -0.059m
60% (6.582m) : -0.065m
50% (5.484m) : -0.065m
40% (4.388m) : -0.061m
30% (3.290m) : -0.053m
20% (2.194m) : -0.039m
10% (1.096m) : -0.021m
0% (0.000m) : 0.000m

Before BSeam

0.000m
0.010m
0.020m
0.032m
0.045m
0.055m
0.058m
0.054m
0.043m
0.024m
0.000m

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Seam Allowances			
	Split	Radial	Cross
Zone: 1/a	0.025m	0.015m	0.025m
Zone: 1/b	0.025m	0.015m	0.025m
Zone: 2/a	0.025m	0.015m	0.025m
Zone: 2/b	0.025m	0.015m	0.025m
Zone: 3	0.025m	0.015m	0.025m
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	5.62
Radial/Vertical	97.22
Bi-Radial Split	7.04

Materials		
Material	Area (m ²)	Panels
Material 1	28.52	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1\9,1\10 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\3,2b\4 2b\3,2b\2,2b\1,3\1,3\2 3\3,3\4,3\5