

Genoa: 8000218 Jason-2 Wildcat 350 Catamaran headsail.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000218 Jason W

Initial Design Date: 28/2/2024
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	12.650m
Leech geodesic:	11.723m
Foot geodesic:	3.696m
Headboard width:	0.045m
Luff perpendicular (HLP):	3.420m
Upper width (HUW):	0.386m
Three-quarter width (HTW):	0.747m
Half width (HHW):	1.553m
Quarter width (HQW):	2.457m
Foot median:	12.133m
ORC Headsail area:	20.624m?
IRC Headsail area:	20.566m?
Surface area:	20.624m?
Forestay height:	12.770m
J:	3.600m

Draft Stripes

- 1, Luff: 4.187m ; Leech: 3.551m ;
- 2, Luff: 8.370m ; Leech: 7.564m ;

Luff Curve

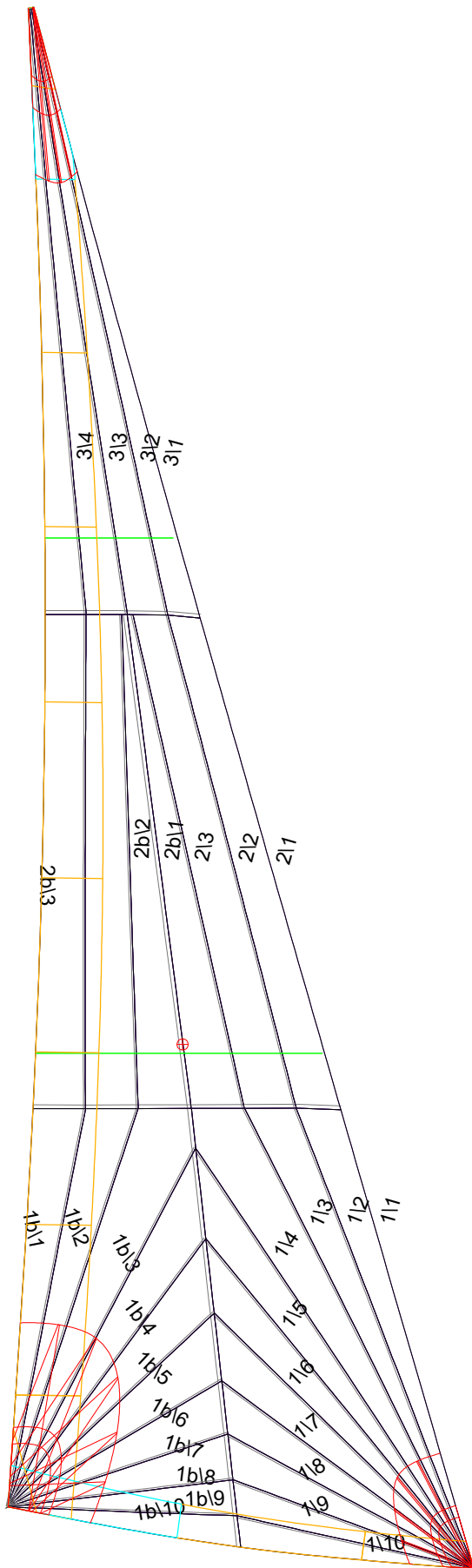
12.649m,	0.000m
11.598m,	0.032m
10.435m,	0.058m
9.412m,	0.071m
8.222m,	0.076m
6.294m,	0.067m
4.111m,	0.045m
2.138m,	0.023m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.182m])

100% (12.649m) :	-0.000m	0.000m
90% (11.384m) :	-0.034m	-0.009m
80% (10.120m) :	-0.059m	-0.012m
70% (8.855m) :	-0.071m	-0.008m
60% (7.590m) :	-0.073m	0.000m
50% (6.325m) :	-0.068m	0.009m
40% (5.060m) :	-0.058m	0.016m
30% (3.795m) :	-0.045m	0.019m
20% (2.530m) :	-0.030m	0.018m
10% (1.264m) :	-0.016m	0.013m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.030m	0.015m	0.030m
Zone: 1/b	0.030m	0.015m	0.030m
Zone: 2/a	0.030m	0.015m	0.030m
Zone: 2/b	0.030m	0.015m	0.030m
Zone: 3	0.030m	0.015m	0.030m
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	3.77
Radial/Vertical	78.80
Bi-Radial Split	7.55

Materials

Material	Area (m ²)	Panels
Material 1	20.66	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 2\1,2\2,2\3,2b\1,2b\2 2b\3,3\1,3\2,3\3,3\4