

Genoa: 8000329 Mark-2 hanks jibV1.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000329 Mark ma

Initial Design Date: 3/4/2024
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	10.390m
Leech geodesic:	9.900m
Foot geodesic:	3.800m
Headboard width:	0.065m
Luff perpendicular (HLP):	3.627m
Upper width (HUW):	0.432m
Three-quarter width (HTW):	0.821m
Half width (HHW):	1.681m
Quarter width (HQW):	2.629m
Foot median:	10.072m
ORC Headsail area:	18.189m?
IRC Headsail area:	18.133m?
Surface area:	18.248m?
Forestay height:	9.800m
J:	3.200m

Draft Stripes

1, Luff: 3.444m ; Leech: 3.261m ;
2, Luff: 6.883m ; Leech: 6.518m ;

Luff Slides

1, Position: 0.689m
2, Position: 1.359m
3, Position: 2.030m
4, Position: 2.700m
5, Position: 3.370m
6, Position: 4.040m
7, Position: 4.710m
8, Position: 5.381m
9, Position: 6.051m
10, Position: 6.721m
11, Position: 7.391m
12, Position: 8.061m
13, Position: 8.732m
14, Position: 9.402m
15, Position: 10.072m

Luff Curve

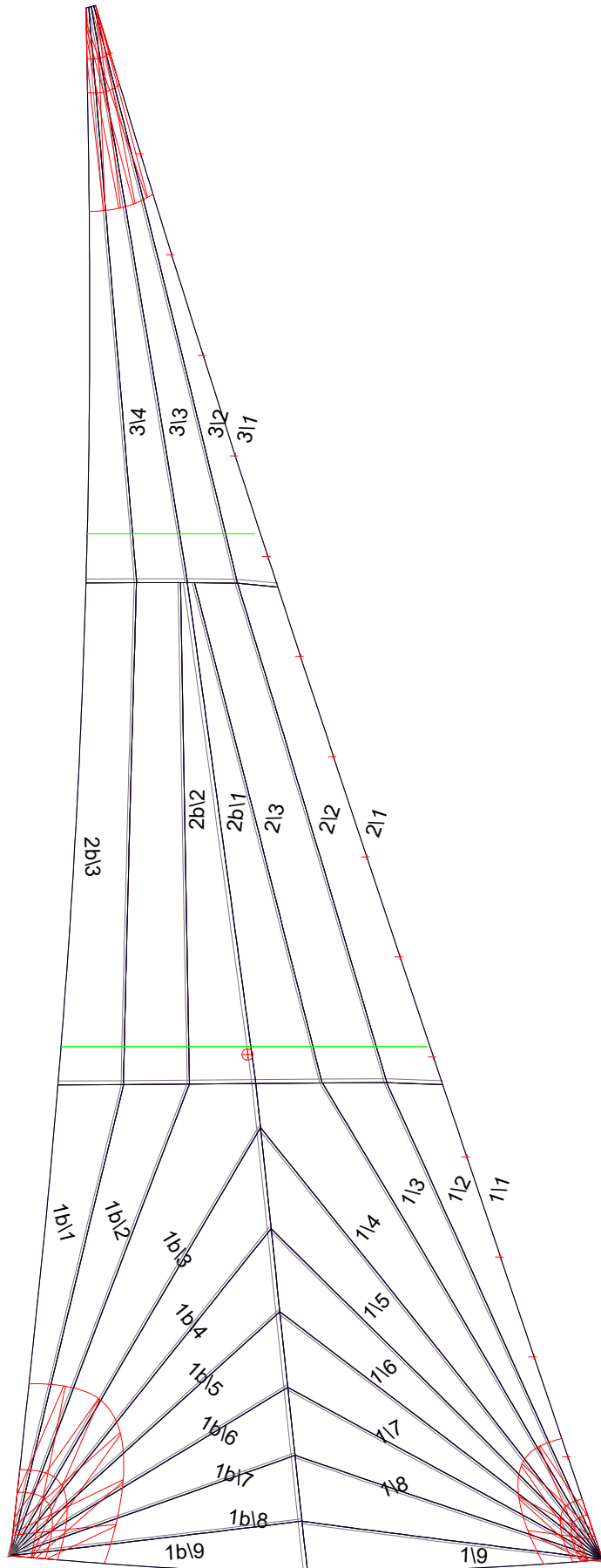
10.388m,	0.000m
9.525m,	0.033m
8.570m,	0.060m
7.730m,	0.074m
6.753m,	0.079m
5.170m,	0.070m
3.376m,	0.047m
1.756m,	0.024m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.188m])

100% (10.388m) :	-0.000m	0.000m
90% (9.349m) :	-0.035m	-0.009m
80% (8.312m) :	-0.061m	-0.013m
70% (7.272m) :	-0.074m	-0.009m
60% (6.234m) :	-0.077m	-0.001m
50% (5.194m) :	-0.071m	0.008m
40% (4.156m) :	-0.061m	0.015m
30% (3.116m) :	-0.047m	0.017m
20% (2.078m) :	-0.032m	0.017m
10% (1.038m) :	-0.017m	0.012m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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Seam Allowances

Zone:	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

Edge Excesses

Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	3.83
Radial/Vertical	67.16
Bi-Radial Split	6.52

Materials

Material	Area (m ²)	Panels
Material 1	18.28	1l1,1l2,1l3,1l4,1l5 1l6,1l7,1l8,1l9,1b1 1b2,1b3,1b4,1b5,1b6 1b7,1b8,1b9,2l1,2l2 2l3,2b1,2b2,2b3,3l1 3l2,3l3,3l4