

Genoa: 7001006 Johannes-2 HeadsailV1.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need to be Confirmed\7001006 Johannes

Initial Design Date: 14/10/2023
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	14.820m
Leech geodesic:	13.914m
Foot geodesic:	5.926m
Headboard width:	0.035m
Luff perpendicular (HLP):	5.580m
Upper width (HUW):	0.609m
Three-quarter width (HTW):	1.215m
Half width (HHW):	2.552m
Quarter width (HQW):	4.026m
Foot median:	14.234m
ORC Headsail area:	39.462m?
IRC Headsail area:	39.359m?
Surface area:	39.641m?
Forestay height:	15.700m
J:	4.650m

Draft Stripes

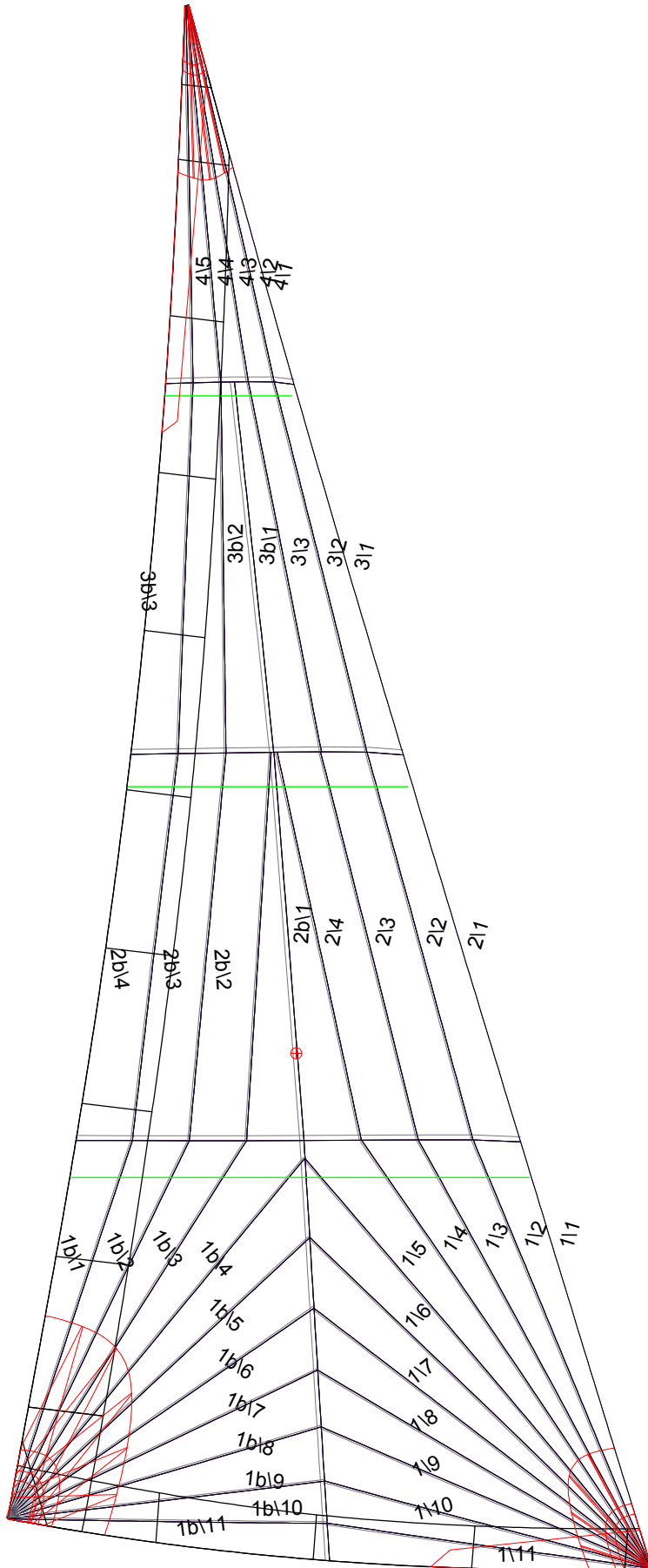
- 1, Luff: 3.721m ; Leech: 3.169m ;
- 2, Luff: 7.441m ; Leech: 6.758m ;
- 3, Luff: 11.146m ; Leech: 10.311m ;

Luff Curve

14.817m,	0.000m
13.586m,	0.050m
12.224m,	0.090m
11.025m,	0.111m
9.631m,	0.119m
7.374m,	0.105m
4.816m,	0.071m
2.505m,	0.035m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.293m])		Before BSeam
100% (14.818m) :	-0.000m	0.000m
90% (13.335m) :	-0.053m	-0.013m
80% (11.856m) :	-0.091m	-0.017m
70% (10.373m) :	-0.111m	-0.010m
60% (8.891m) :	-0.114m	0.003m
50% (7.409m) :	-0.105m	0.017m
40% (5.927m) :	-0.089m	0.027m
30% (4.445m) :	-0.069m	0.031m
20% (2.964m) :	-0.047m	0.029m
10% (1.481m) :	-0.025m	0.020m
0% (0.000m) :	0.000m	0.000m

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Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.038m	0.016m	0.045m
Zone: 1/b	0.038m	0.016m	0.045m
Zone: 2/a	0.038m	0.016m	0.045m
Zone: 2/b	0.038m	0.016m	0.045m
Zone: 3/a	0.038m	0.016m	0.045m
Zone: 3/b	0.038m	0.016m	0.045m
Zone: 4	0.038m	0.016m	0.045m
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	8.05
Radial/Vertical	124.61
Bi-Radial Split	11.05

Materials

Material	Area (m ²)	Panels
Material 1	39.72	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1\9,1\10 1\11,1b\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 2\4,2b\1,2b\2,2b\3,2b\4 3\1,3\2,3\3,3b\1,3b\2 3b\3,4\1,4\2,4\3,4\4 4\5