

Genoa: 8000124 Kjetil Jeanneau SO 439 selftacking jibV1.des

Design Info

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Design File:

\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000124 Kjetil head

Initial Design Date: 20/2/2024

Boat:

Client:

Comments:

Design Data

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Genoa

Measurements

Luff geodesic:	16.070m
Leech geodesic:	15.000m
Foot geodesic:	4.450m
Headboard width:	0.055m
Luff perpendicular (HLP):	4.143m
Upper width (HUW):	0.462m
Three-quarter width (HTW):	0.894m
Half width (HHW):	1.869m
Quarter width (HQW):	2.966m
Foot median:	15.477m
ORC Headsail area:	31.617m?
IRC Headsail area:	31.528m?
Surface area:	31.586m?
Forestay height:	16.600m
J:	5.210m

Draft Stripes

1, Luff: 5.321m ; Leech: 4.700m ;
2, Luff: 10.635m ; Leech: 9.755m ;

Luff Curve

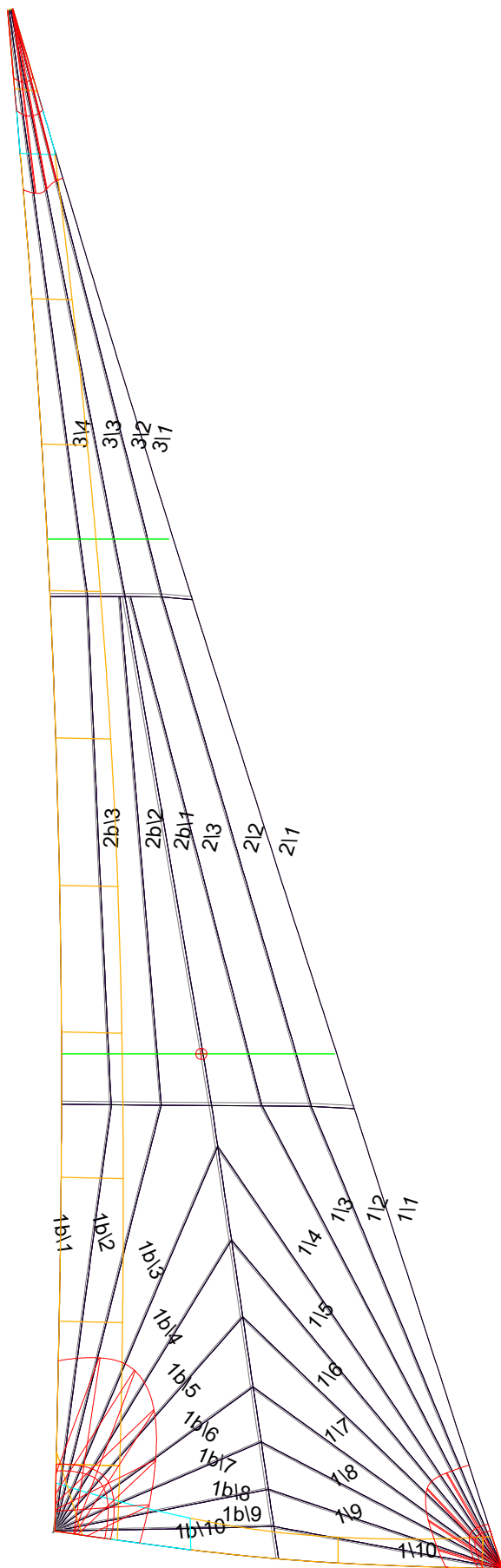
16.068m,	0.000m
14.733m,	0.040m
13.256m,	0.072m
11.956m,	0.089m
10.445m,	0.095m
7.996m,	0.083m
5.222m,	0.057m
2.716m,	0.028m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.220m])

100% (16.069m) :	0.000m	0.000m
90% (14.461m) :	-0.042m	-0.015m
80% (12.856m) :	-0.073m	-0.022m
70% (11.248m) :	-0.088m	-0.019m
60% (9.642m) :	-0.091m	-0.010m
50% (8.035m) :	-0.084m	0.001m
40% (6.428m) :	-0.071m	0.009m
30% (4.820m) :	-0.055m	0.014m
20% (3.214m) :	-0.038m	0.015m
10% (1.606m) :	-0.020m	0.011m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.025m	0.015m	0.030m
Zone: 1/b	0.025m	0.015m	0.030m
Zone: 2/a	0.025m	0.015m	0.030m
Zone: 2/b	0.025m	0.015m	0.030m
Zone: 3	0.025m	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	4.45
Radial/Vertical	99.63
Bi-Radial Split	9.81

Materials

Material	Area (m ²)	Panels
Material 1	31.65	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