

Genoa: 8000526 Eivind hanks genoa.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000526 Eivind he

Initial Design Date: 30/5/2024
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	11.880m
Leech geodesic:	11.600m
Foot geodesic:	3.760m
Headboard width:	0.055m
Luff perpendicular (HLP):	3.662m
Upper width (HUW):	0.395m
Three-quarter width (HTW):	0.766m
Half width (HHW):	1.655m
Quarter width (HQW):	2.633m
Foot median:	11.716m
ORC Headsail area:	20.635m?
IRC Headsail area:	20.542m?
Surface area:	20.682m?
Forestay height:	12.550m
J:	2.830m

Draft Stripes

1, Luff: 3.933m ; Leech: 3.798m ;
2, Luff: 7.862m ; Leech: 7.629m ;

Luff Slides

1, Position: 0.700m
2, Position: 1.463m
3, Position: 2.226m
4, Position: 2.989m
5, Position: 3.751m
6, Position: 4.514m
7, Position: 5.277m
8, Position: 6.040m
9, Position: 6.803m
10, Position: 7.566m
11, Position: 8.329m
12, Position: 9.091m
13, Position: 9.854m
14, Position: 10.617m
15, Position: 11.380m

Luff Curve

11.878m,	0.000m
10.891m,	0.040m
9.799m,	0.073m
8.838m,	0.090m
7.721m,	0.096m
5.911m,	0.084m
3.860m,	0.057m
2.008m,	0.029m
0.000m,	0.000m

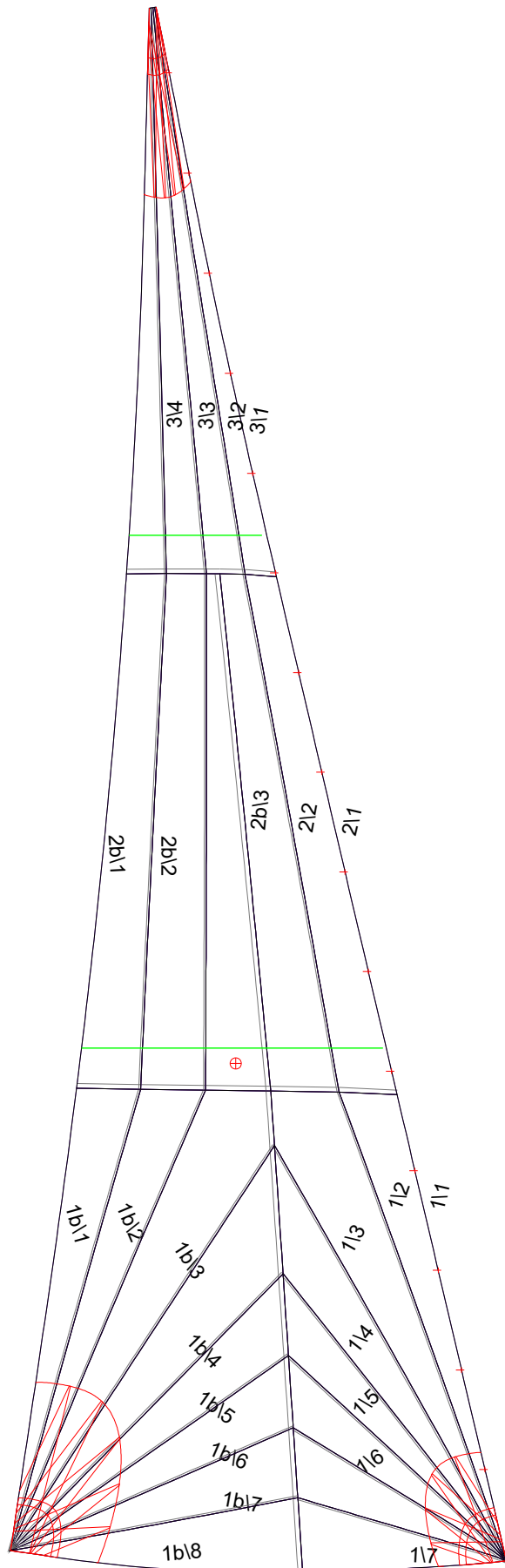
Fanned Luff (@ 5.00% [0.185m])

100% (11.878m) :	0.000m
90% (10.689m) :	-0.044m
80% (9.504m) :	-0.081m
70% (8.315m) :	-0.096m
60% (7.127m) :	-0.094m
50% (5.939m) :	-0.084m
40% (4.752m) :	-0.070m
30% (3.563m) :	-0.053m
20% (2.376m) :	-0.036m
10% (1.187m) :	-0.018m
0% (0.000m) :	-0.000m

Before BSeam

0.000m
-0.024m
-0.041m
-0.036m
-0.018m
-0.002m
0.009m
0.016m
0.015m
0.008m
0.000m

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Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.035m	0.015m	0.035m
Zone: 1/b	0.035m	0.015m	0.035m
Zone: 2/a	0.035m	0.015m	0.035m
Zone: 2/b	0.035m	0.015m	0.035m
Zone: 3	0.035m	0.015m	0.035m

Edge Excesses

Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	3.69
Radial/Vertical	61.52
Bi-Radial Split	7.66

Materials

Material	Area (m ²)	Panels
Material 1	20.72	1/1, 1/2, 1/3, 1/4, 1/5 1/6, 1/7, 1b/1, 1b/2, 1b/3 1b/4, 1b/5, 1b/6, 1b/7, 1b/8 2/1, 2/2, 2b/3, 2b/2, 2b/1 3/1, 3/2, 3/3, 3/4