

Genoa: 8000923 Stephan furljib.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000923 Stephan

Initial Design Date: 25/9/2024
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	12.820m
Leech geodesic:	12.173m
Foot geodesic:	4.242m
Headboard width:	0.035m
Luff perpendicular (HLP):	4.037m
Upper width (HUW):	0.424m
Three-quarter width (HTW):	0.841m
Half width (HHW):	1.794m
Quarter width (HQW):	2.876m
Foot median:	12.409m
ORC Headsail area:	24.343m?
IRC Headsail area:	24.266m?
Surface area:	24.269m?
Forestay height:	13.490m
J:	3.670m

Draft Stripes

- 1, Luff: 4.247m ; Leech: 3.859m ;
- 2, Luff: 8.488m ; Leech: 7.942m ;

Luff Curve

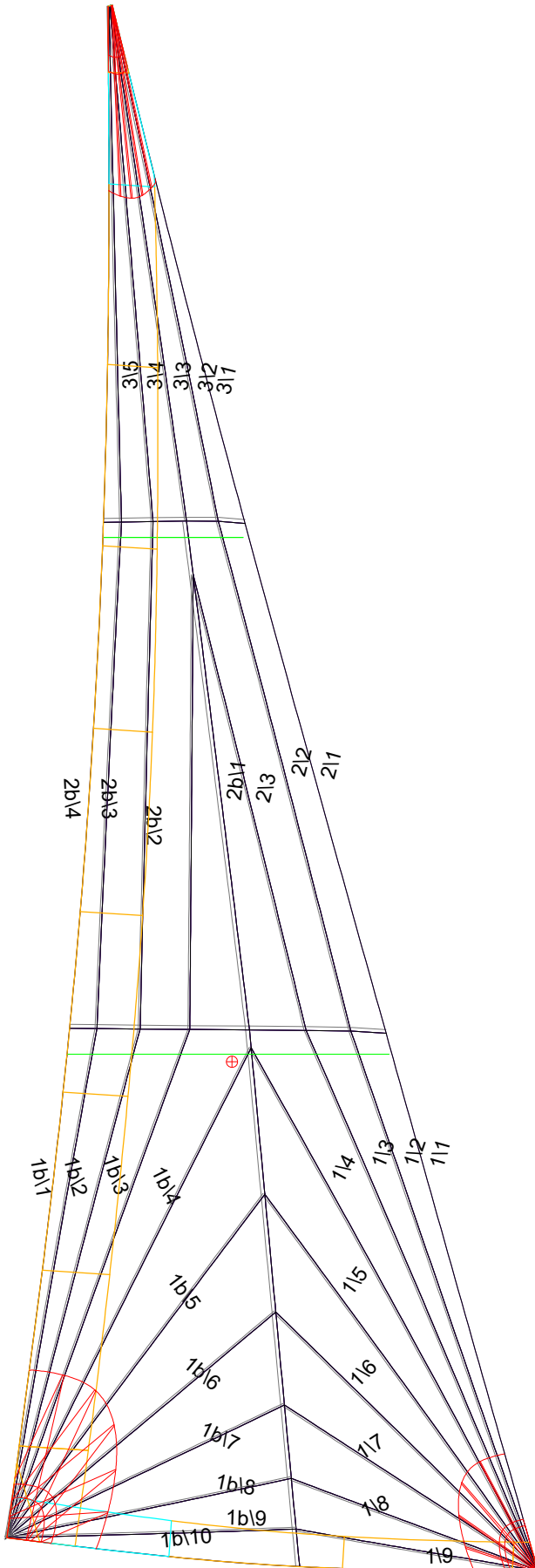
12.818m,	0.000m
11.752m,	0.043m
10.574m,	0.079m
9.538m,	0.097m
8.332m,	0.104m
6.379m,	0.091m
4.166m,	0.062m
2.167m,	0.031m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.210m])

100% (12.818m) :	-0.000m	0.000m
90% (11.535m) :	-0.046m	-0.019m
80% (10.256m) :	-0.080m	-0.027m
70% (8.973m) :	-0.096m	-0.025m
60% (7.691m) :	-0.099m	-0.015m
50% (6.409m) :	-0.092m	-0.003m
40% (5.127m) :	-0.078m	0.007m
30% (3.845m) :	-0.060m	0.013m
20% (2.564m) :	-0.041m	0.015m
10% (1.281m) :	-0.021m	0.011m
0% (0.000m) :	0.000m	0.000m

Before BSeam

0.000m
-0.019m
-0.027m
-0.025m
-0.015m
-0.003m
0.007m
0.013m
0.015m
0.011m
0.000m



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	3.79
Radial/Vertical	93.48
Bi-Radial Split	8.64

Materials

Material	Area (m ²)	Panels
Material 2	24.32	1b1,1b2,1b3,1b4,1b5 1b6,1b7,1b8,1b9,1b10 1b11,1b12,1b13,1b14,1b15,1b16 1b17,1b18,1b19,1b20,2b1 2b2,2b3,2b4,2b5,2b6 2b7,3b1,3b2,3b3,3b4 3b5