

Genoa: 8000330 Leon-2 HeadsailV1.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000330 Leon Ma

Initial Design Date: 27/4/2024
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	9.800m
Leech geodesic:	8.900m
Foot geodesic:	3.800m
Headboard width:	0.035m
Luff perpendicular (HLP):	3.477m
Upper width (HUW):	0.386m
Three-quarter width (HTW):	0.761m
Half width (HHW):	1.592m
Quarter width (HQW):	2.514m
Foot median:	9.315m
ORC Headsail area:	16.298m?
IRC Headsail area:	16.240m?
Surface area:	16.511m?
Forestay height:	9.050m
J:	3.335m

Draft Stripes

1, Luff: 3.249m ; Leech: 2.721m ;
2, Luff: 6.492m ; Leech: 5.750m ;

Luff Curve

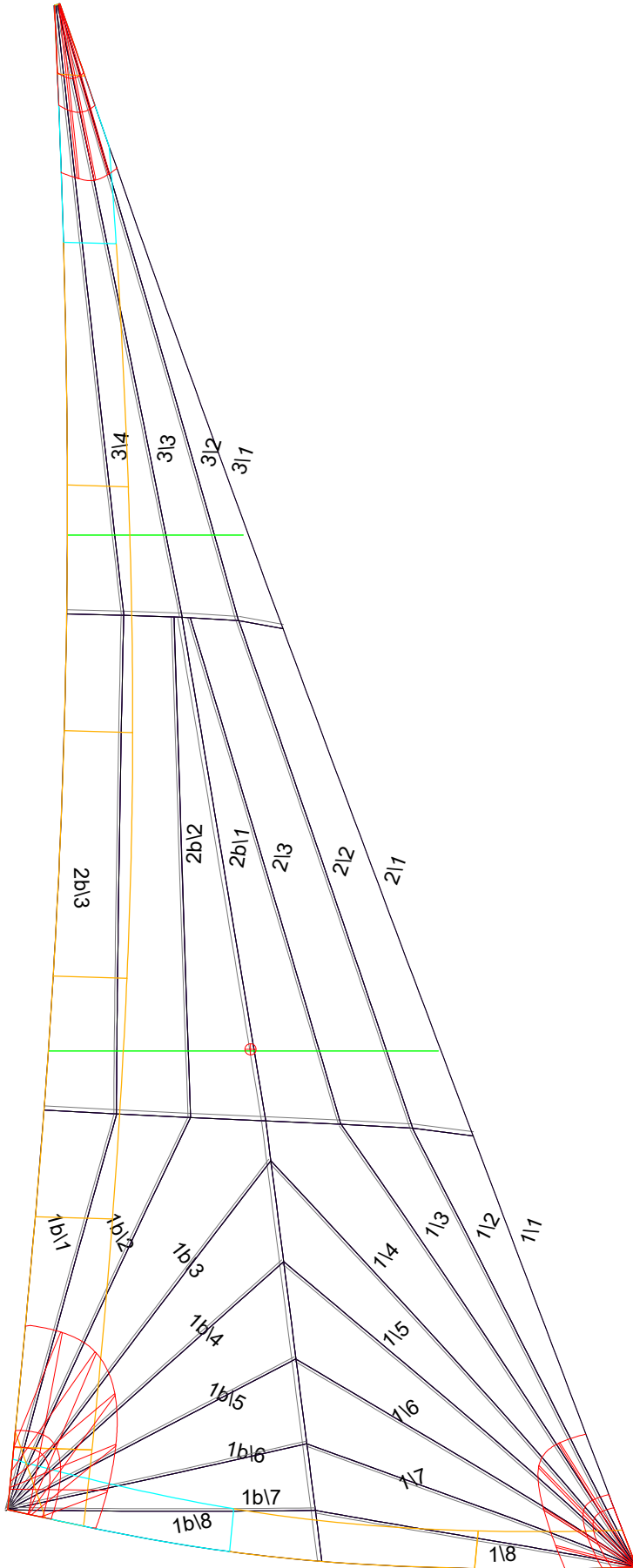
9.799m,	0.000m
8.984m,	0.029m
8.084m,	0.052m
7.291m,	0.063m
6.369m,	0.068m
4.876m,	0.060m
3.185m,	0.041m
1.656m,	0.020m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.185m])

100% (9.799m) :	-0.000m	-0.000m
90% (8.818m) :	-0.033m	-0.007m
80% (7.840m) :	-0.057m	-0.007m
70% (6.859m) :	-0.068m	0.001m
60% (5.880m) :	-0.069m	0.013m
50% (4.900m) :	-0.062m	0.024m
40% (3.920m) :	-0.052m	0.033m
30% (2.940m) :	-0.040m	0.036m
20% (1.960m) :	-0.027m	0.032m
10% (0.979m) :	-0.013m	0.020m
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	0.025m
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
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	4.03
Radial/Vertical	57.58
Bi-Radial Split	5.77

Materials

Material	Area (m ²)	Panels
Material 1	16.53	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1b\1,1b\2 1b\3,1b\4,1b\5,1b\6,1b\7 1b\8,2\1,2\2,2\3,2b\1 2b\2,2b\3,3\1,3\2,3\3 3\4