

Genoa: 8000822 Hakans Headsail.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000822 Hakans H

Initial Design Date: 10/9/2024
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	10.652m
Leech geodesic:	9.956m
Foot geodesic:	3.919m
Headboard width:	0.030m
Luff perpendicular (HLP):	3.679m
Upper width (HUW):	0.383m
Three-quarter width (HTW):	0.774m
Half width (HHW):	1.674m
Quarter width (HQW):	2.656m
Foot median:	10.231m
ORC Headsail area:	18.617m?
IRC Headsail area:	18.539m?
Surface area:	18.709m?
Forestay height:	11.540m
J:	2.830m

Draft Stripes

- 1, Luff: 3.528m ; Leech: 2.961m ;
- 2, Luff: 7.051m ; Leech: 6.397m ;

Luff Curve

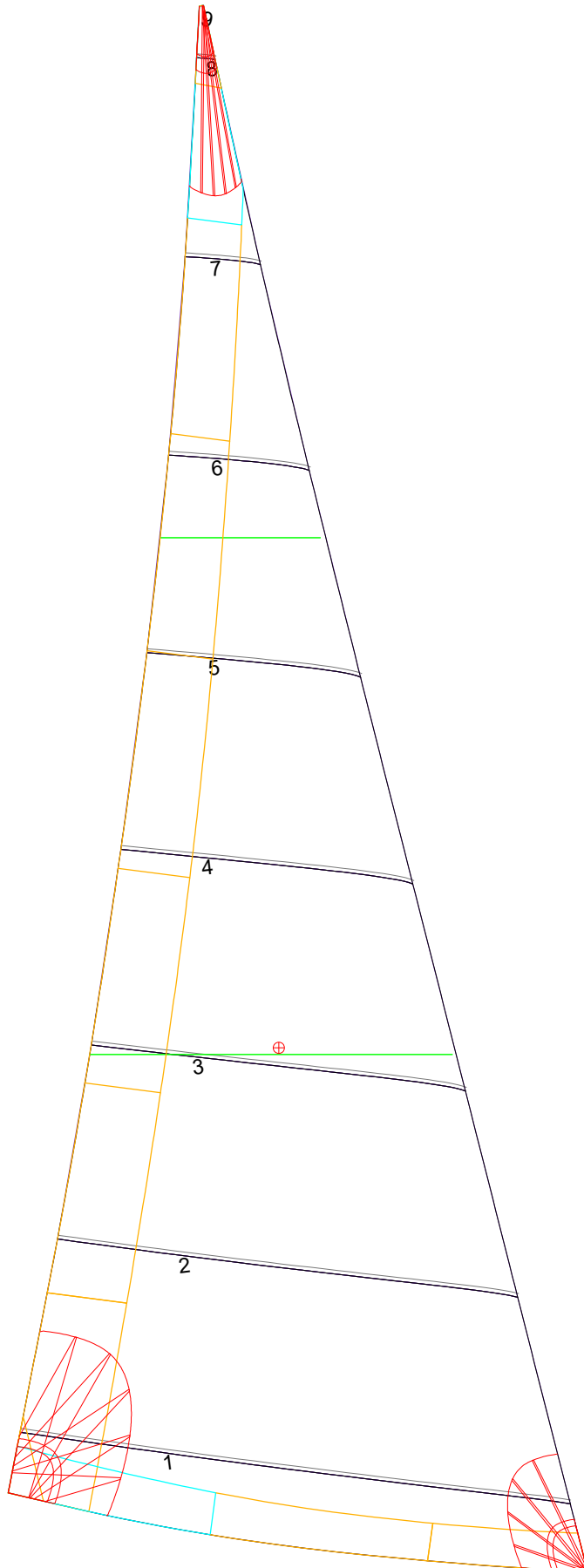
10.650m,	0.000m
9.765m,	0.036m
8.786m,	0.065m
7.925m,	0.080m
6.923m,	0.086m
5.300m,	0.076m
3.461m,	0.051m
1.800m,	0.026m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.191m])

100% (10.650m) :	-0.000m	0.000m
90% (9.585m) :	-0.043m	-0.022m
80% (8.521m) :	-0.072m	-0.029m
70% (7.456m) :	-0.084m	-0.022m
60% (6.391m) :	-0.084m	-0.008m
50% (5.325m) :	-0.076m	0.008m
40% (4.260m) :	-0.063m	0.021m
30% (3.195m) :	-0.048m	0.029m
20% (2.130m) :	-0.032m	0.027m
10% (1.065m) :	-0.017m	0.015m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1	0.000m	0.000m	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	14.73
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	18.75	1,2,3,4,5 6,7,8,9