

Genoa: 8000933 Gabor HeadsailV1.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000933 Gabor he

Initial Design Date: 17/12/2024
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	9.600m
Leech geodesic:	8.900m
Foot geodesic:	2.900m
Headboard width:	0.035m
Luff perpendicular (HLP):	2.688m
Upper width (HUW):	0.295m
Three-quarter width (HTW):	0.572m
Half width (HHW):	1.200m
Quarter width (HQW):	1.915m
Foot median:	9.203m
ORC Headsail area:	12.187m?
IRC Headsail area:	12.153m?
Surface area:	12.173m?
Forestay height:	9.545m
J:	2.965m

Draft Stripes

- 1, Luff: 3.179m ; Leech: 2.744m ;
- 2, Luff: 6.353m ; Leech: 5.765m ;

Luff Curve

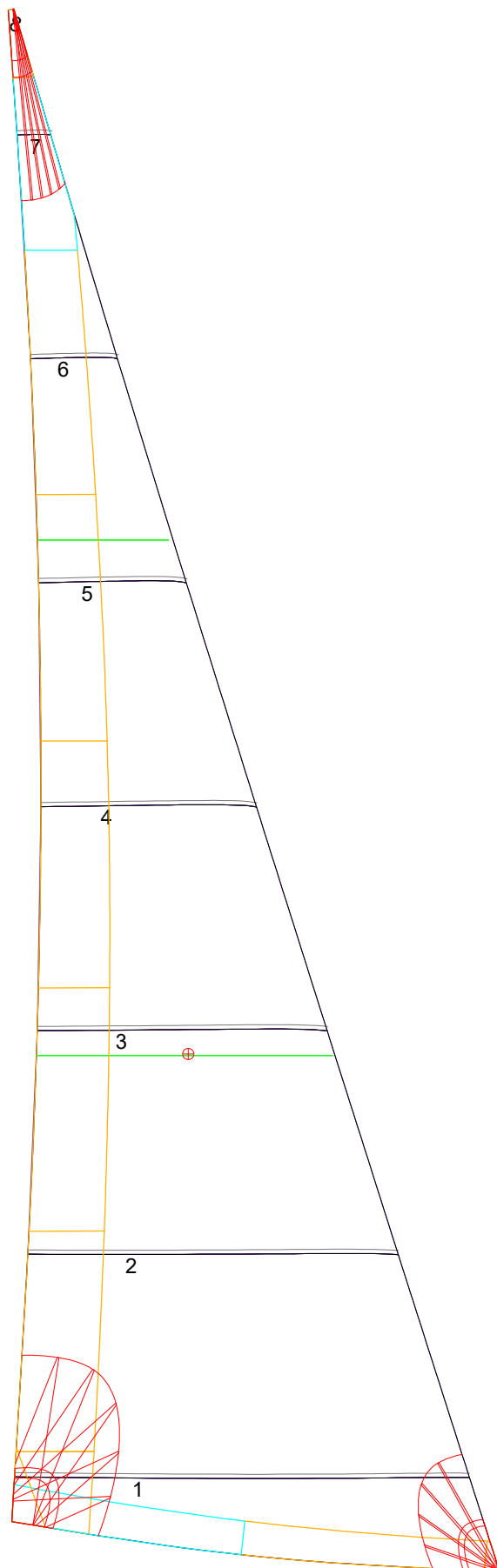
9.599m,	0.000m
8.801m,	0.024m
7.919m,	0.044m
7.143m,	0.054m
6.240m,	0.058m
4.777m,	0.051m
3.120m,	0.034m
1.622m,	0.017m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.143m])

100% (9.599m) :	0.000m	0.000m
90% (8.639m) :	-0.025m	-0.007m
80% (7.680m) :	-0.044m	-0.009m
70% (6.720m) :	-0.054m	-0.006m
60% (5.760m) :	-0.055m	0.000m
50% (4.800m) :	-0.051m	0.008m
40% (3.840m) :	-0.043m	0.013m
30% (2.880m) :	-0.034m	0.015m
20% (1.920m) :	-0.023m	0.015m
10% (0.959m) :	-0.012m	0.010m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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Seam Allowances			
	Split	Radial	Cross
Zone: 1	0.025m	0.025m	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	0.070m	0.070m
Cover 1	0.070m	0.070m	0.070m
Cover 2	0.000m	0.070m	0.070m
Cover 3	0.000m	0.070m	0.070m

Total Seam Lengths (m)

Horizontal	9.73
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	12.22	1,2,3,4,5 6,7,8