

Genoa: 8000120-2 HeadsailV1.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000120\headsailV1

Initial Design Date: 26/4/2024
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	12.500m
Leech geodesic:	12.250m
Foot geodesic:	5.590m
Headboard width:	0.050m
Luff perpendicular (HLP):	5.411m
Upper width (HUW):	0.609m
Three-quarter width (HTW):	1.206m
Half width (HHW):	2.518m
Quarter width (HQW):	3.948m
Foot median:	12.381m
ORC Headsail area:	32.618m?
IRC Headsail area:	32.492m?
Surface area:	33.329m?
Forestay height:	13.500m
J:	3.670m

Draft Stripes

- 1, Luff: 3.138m ; Leech: 3.055m ;
- 2, Luff: 6.275m ; Leech: 6.130m ;
- 3, Luff: 9.400m ; Leech: 9.167m ;

Luff Curve

12.497m,	0.000m
11.459m,	0.044m
10.310m,	0.080m
9.299m,	0.098m
8.124m,	0.105m
6.219m,	0.092m
4.062m,	0.063m
2.112m,	0.031m
0.000m,	0.000m

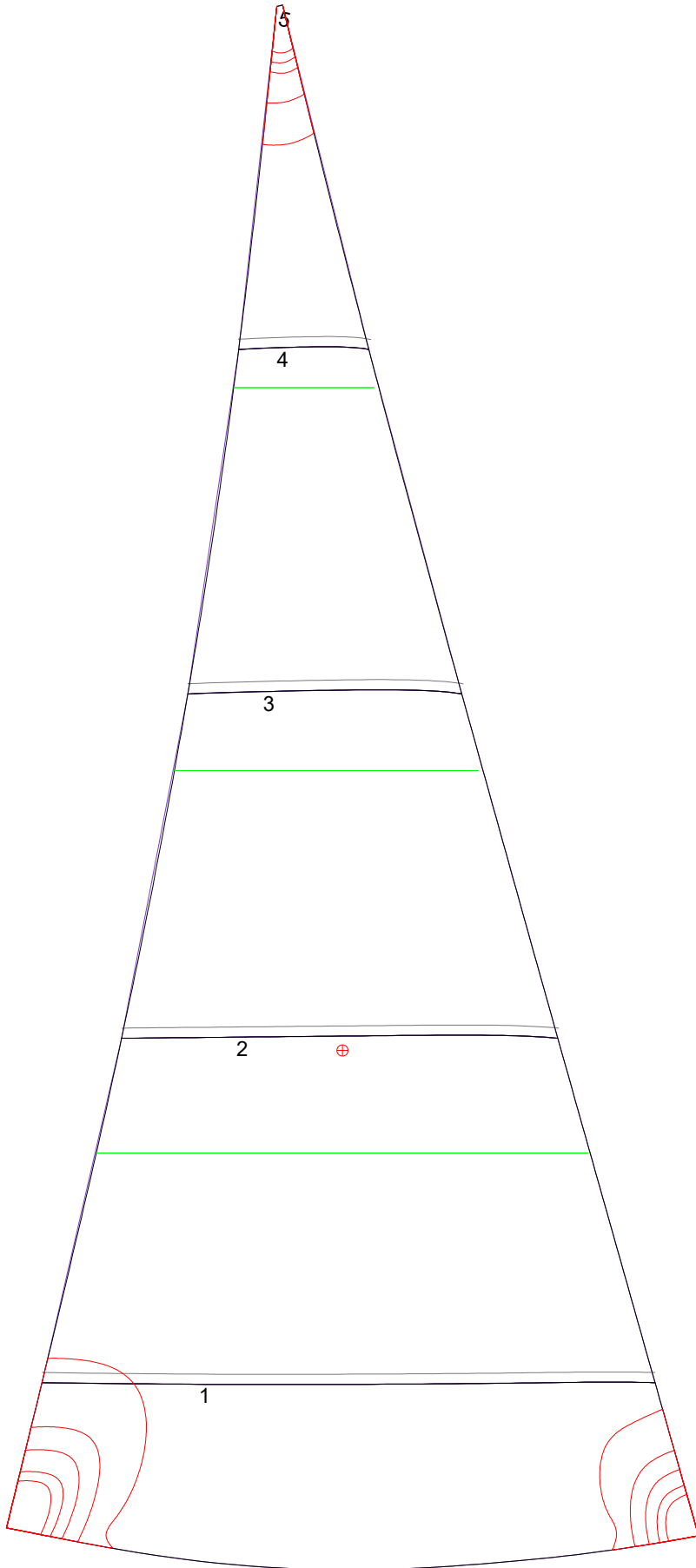
Fanned Luff (@ 5.00% [0.273m])

100% (12.498m) :	0.000m
90% (11.247m) :	-0.050m
80% (10.000m) :	-0.085m
70% (8.749m) :	-0.102m
60% (7.499m) :	-0.103m
50% (6.249m) :	-0.094m
40% (4.999m) :	-0.079m
30% (3.749m) :	-0.060m
20% (2.500m) :	-0.041m
10% (1.249m) :	-0.021m
0% (0.000m) :	-0.000m

Before BSeam

0.000m
-0.012m
-0.013m
-0.004m
0.012m
0.029m
0.042m
0.047m
0.040m
0.023m
0.000m

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Seam Allowances

Zone: 1	Split	Radial	Cross
	0.080m	0.080m	0.080m

Edge Excesses

Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	12.07
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	33.45	1,2,3,4,5