

# Genoa: 8000330 Leon-2 HeadsailV3.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: 8/5/2024  
Boat:

Comments:

Client:

Design Data  
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## Genoa

### Measurements

Luff geodesic:	9.800m
Leech geodesic:	9.265m
Foot geodesic:	5.000m
Headboard width:	0.035m
Luff perpendicular (HLP):	4.701m
Upper width (HUW):	0.525m
Three-quarter width (HTW):	1.043m
Half width (HHW):	2.207m
Quarter width (HQW):	3.438m
Foot median:	9.351m
ORC Headsail area:	22.259m?
IRC Headsail area:	22.187m?
Surface area:	22.443m?
Forestay height:	9.050m
J:	3.335m

### Draft Stripes

- 1, Luff: 3.250m ; Leech: 2.901m ;
- 2, Luff: 6.493m ; Leech: 6.022m ;

### Luff Curve

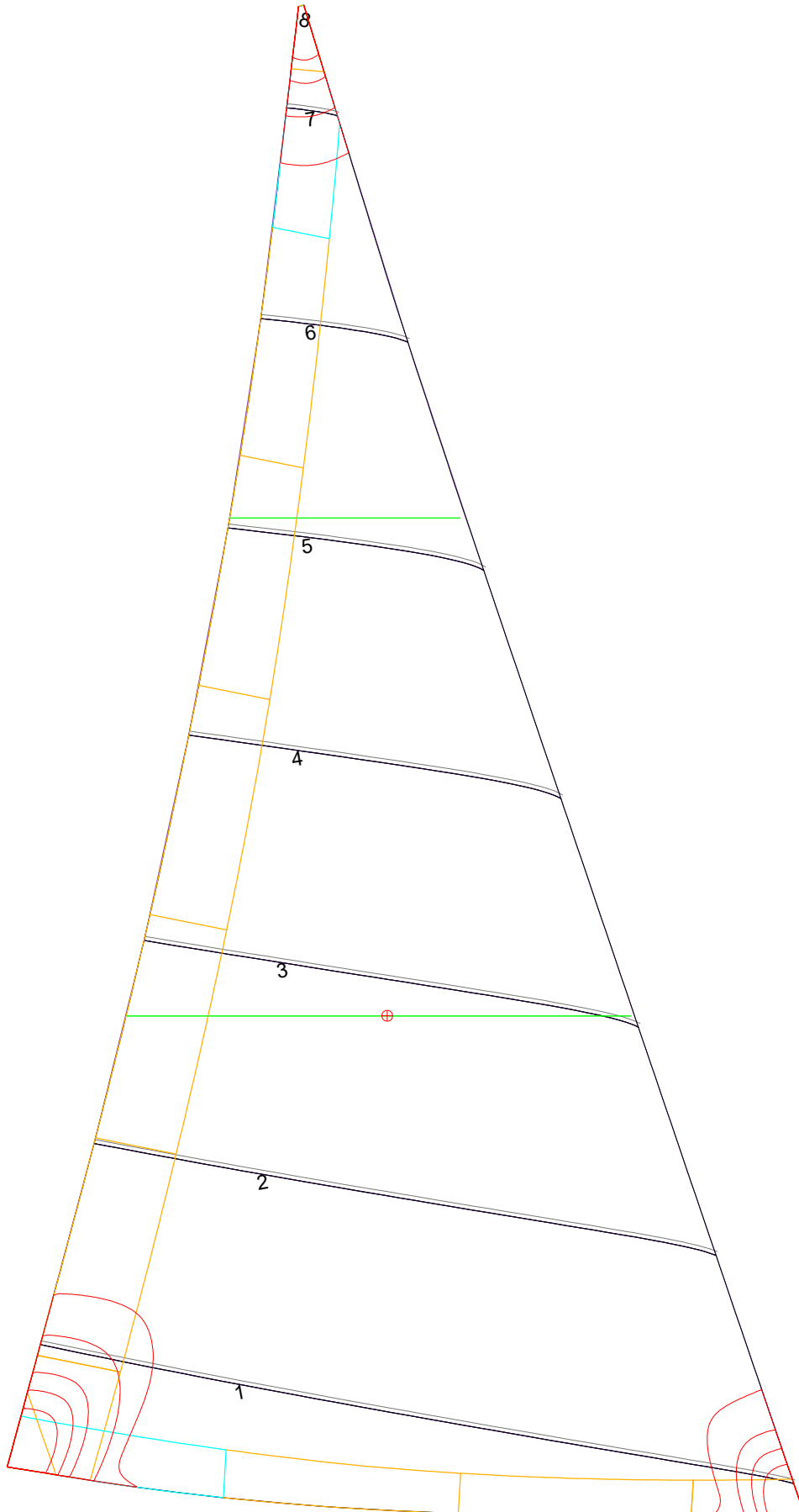
9.798m,	0.000m
8.984m,	0.033m
8.083m,	0.060m
7.291m,	0.074m
6.369m,	0.079m
4.876m,	0.070m
3.184m,	0.047m
1.656m,	0.024m
0.000m,	0.000m

### Fanned Luff (@ 5.00% [0.246m])

100% (9.798m) :	-0.000m	-0.000m
90% (8.817m) :	-0.038m	-0.012m
80% (7.840m) :	-0.069m	-0.017m
70% (6.859m) :	-0.081m	-0.003m
60% (5.879m) :	-0.080m	0.019m
50% (4.899m) :	-0.071m	0.034m
40% (3.920m) :	-0.059m	0.042m
30% (2.940m) :	-0.045m	0.044m
20% (1.960m) :	-0.030m	0.037m
10% (0.979m) :	-0.016m	0.020m
0% (0.000m) :	0.000m	0.000m

### Before BSeam

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## Seam Allowances

Zone:	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

Sail:	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	17.52
Radial/Vertical	0.00
Bi-Radial Split	0.00

## Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	22.51	1,2,3,4,5 6,7,8