

# Genoa: 8000913 James Headsail.des

Design Info  
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Design File:  
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000913 James h

Initial Design Date: 13/9/2024  
Boat:

Comments:

Client:

Design Data  
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Genoa

## Measurements

Luff geodesic:	12.177m
Leech geodesic:	11.200m
Foot geodesic:	4.200m
Headboard width:	0.035m
Luff perpendicular (HLP):	3.875m
Upper width (HUW):	0.419m
Three-quarter width (HTW):	0.829m
Half width (HHW):	1.756m
Quarter width (HQW):	2.775m
Foot median:	11.598m
ORC Headsail area:	22.387m?
IRC Headsail area:	22.346m?
Surface area:	22.391m?
Forestay height:	12.359m
J:	3.800m

## Draft Stripes

1, Luff: 4.032m ; Leech: 3.381m ;  
2, Luff: 8.059m ; Leech: 7.220m ;

## Luff Curve

12.176m,	0.000m
11.164m,	0.031m
10.045m,	0.055m
9.060m,	0.068m
7.914m,	0.073m
6.059m,	0.064m
3.957m,	0.044m
2.058m,	0.022m
0.000m,	0.000m

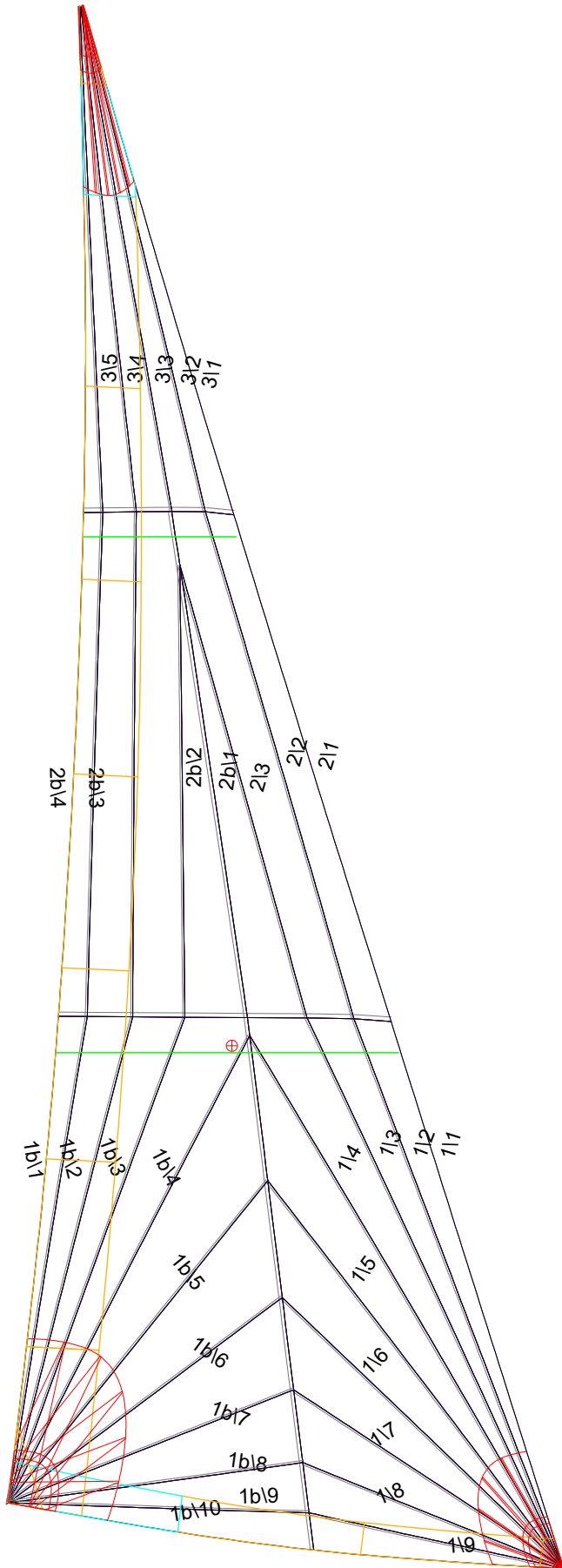
## Fanned Luff (@ 5.00% [0.207m])

100% (12.176m) :	0.000m
90% (10.958m) :	-0.033m
80% (9.742m) :	-0.057m
70% (8.523m) :	-0.069m
60% (7.306m) :	-0.071m
50% (6.088m) :	-0.066m
40% (4.871m) :	-0.056m
30% (3.653m) :	-0.043m
20% (2.436m) :	-0.030m
10% (1.217m) :	-0.016m
0% (0.000m) :	0.000m

## Before BSeam

0.000m
-0.007m
-0.008m
-0.002m
0.007m
0.016m
0.022m
0.024m
0.023m
0.015m
0.000m

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## Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.025m	0.015m	0.032m
Zone: 1/b	0.025m	0.015m	0.032m
Zone: 2/a	0.025m	0.015m	0.032m
Zone: 2/b	0.025m	0.015m	0.032m
Zone: 3	0.025m	0.015m	0.032m
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	3.77
Radial/Vertical	88.29
Bi-Radial Split	8.14

## Materials

Material	Area (m <sup>2</sup> )	Panels
Material 2	22.44	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1\9,1b\1 1b\2,1b\3,1b\4,1b\5,1b\6 1b\7,1b\8,1b\9,1b\10,2\1 2\2,2\3,2b\1,2b\2,2b\3 2b\4,3\1,3\2,3\3,3\4 3\5