

# Genoa: 8000409 Jordi Decision 7.5 Headsail.des

Design Info  
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Design File:  
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000409 Jordi Dec

Initial Design Date: 22/5/2024  
Boat:  
Decision 7.5  
Client:

Comments:

Design Data  
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Genoa

Measurements

Luff geodesic:	7.470m
Leech geodesic:	6.719m
Foot geodesic:	2.770m
Headboard width:	0.030m
Luff perpendicular (HLP):	2.500m
Upper width (HUW):	0.286m
Three-quarter width (HTW):	0.554m
Half width (HHW):	1.146m
Quarter width (HQW):	1.802m
Foot median:	7.064m
ORC Headsail area:	8.944m?
IRC Headsail area:	8.923m?
Surface area:	9.034m?
Forestay height:	8.300m
J:	2.500m

Draft Stripes

1, Luff: 3.747m ; Leech: 3.126m ;

Luff Curve

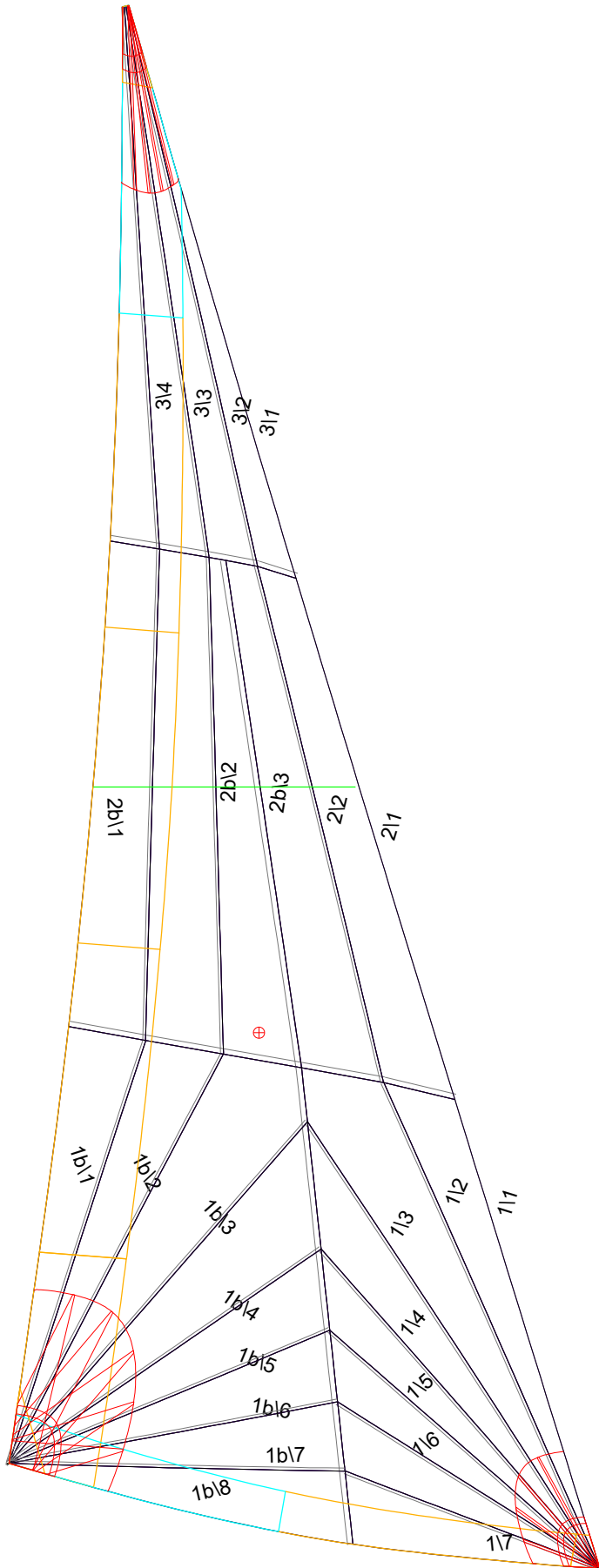
7.469m,	0.000m
6.848m,	0.019m
6.162m,	0.034m
5.558m,	0.042m
4.855m,	0.045m
3.717m,	0.039m
2.427m,	0.027m
1.262m,	0.013m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.135m])

100% (7.469m) :	-0.000m	0.000m
90% (6.723m) :	-0.020m	-0.001m
80% (5.976m) :	-0.035m	-0.000m
70% (5.229m) :	-0.042m	0.004m
60% (4.482m) :	-0.044m	0.010m
50% (3.735m) :	-0.041m	0.016m
40% (2.988m) :	-0.034m	0.020m
30% (2.241m) :	-0.027m	0.020m
20% (1.494m) :	-0.018m	0.018m
10% (0.747m) :	-0.010m	0.012m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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## Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.025m	0.013m	0.025m
Zone: 1/b	0.025m	0.013m	0.025m
Zone: 2/a	0.025m	0.013m	0.025m
Zone: 2/b	0.025m	0.013m	0.025m
Zone: 3	0.025m	0.013m	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	2.78
Radial/Vertical	38.76
Bi-Radial Split	4.70

## Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	9.05	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1b\1,1b\2,1b\3 1b\4,1b\5,1b\6,1b\7,1b\8 2\1,2\2,2b\3,2b\2,2b\1 3\1,3\2,3\3,3\4