

# Genoa: 7000623 Dennis Self-tacking jib.des

Design Info  
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Design File:  
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need Confrim Order\7000623 Dennis\7000

Initial Design Date: 12/7/2023  
Boat:

Comments:

Client:

Design Data  
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Genoa

## Measurements

Luff geodesic: 8.910m  
Leech geodesic: 7.925m  
Foot geodesic: 2.757m  
Headboard width: 0.050m  
Luff perpendicular (HLP): 2.403m  
Upper width (HUW): 0.284m  
Three-quarter width (HTW): 0.533m  
Half width (HHW): 1.094m  
Quarter width (HQW): 1.725m  
Foot median: 8.378m  
ORC Headsail area: 10.243m?  
IRC Headsail area: 10.212m?  
Surface area: 10.290m?  
Forestay height: 8.700m  
J: 3.000m

## Luff Curve

8.908m, 0.000m  
8.168m, 0.030m  
7.349m, 0.055m  
6.629m, 0.067m  
5.791m, 0.072m  
4.433m, 0.063m  
2.895m, 0.043m  
1.506m, 0.021m  
0.000m, 0.000m

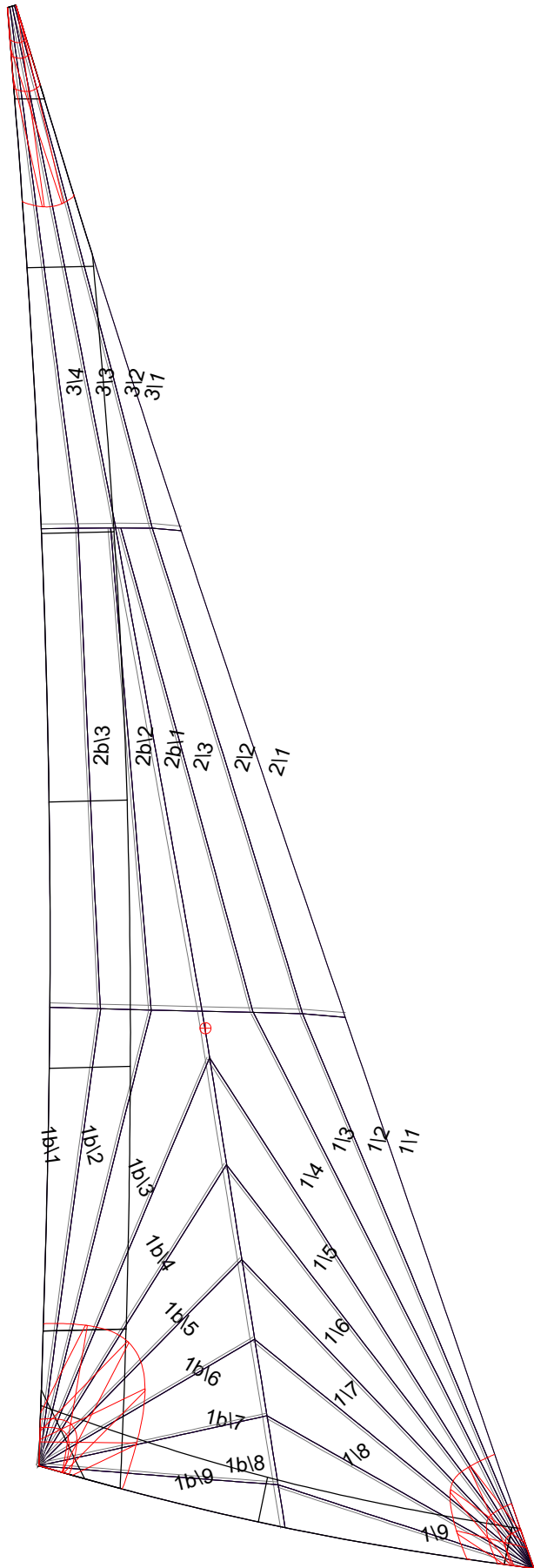
## Fanned Luff (@ 5.00% [0.134m])

100% (8.908m) : 0.000m  
90% (8.018m) : -0.034m  
80% (7.128m) : -0.058m  
70% (6.236m) : -0.070m  
60% (5.346m) : -0.072m  
50% (4.454m) : -0.066m  
40% (3.564m) : -0.055m  
30% (2.673m) : -0.043m  
20% (1.782m) : -0.029m  
10% (0.890m) : -0.015m  
0% (0.000m) : 0.000m

## Before BSeam

0.000m  
-0.016m  
-0.024m  
-0.024m  
-0.019m  
-0.011m  
-0.004m  
0.001m  
0.003m  
0.003m  
0.000m

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## Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.025m	0.014m	0.025m
Zone: 1/b	0.025m	0.014m	0.025m
Zone: 2/a	0.025m	0.014m	0.025m
Zone: 2/b	0.025m	0.014m	0.025m
Zone: 3	0.025m	0.014m	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	2.46
Radial/Vertical	54.60
Bi-Radial Split	5.68

## Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	10.31	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\9,2\1,2\2 2\3,2b\1,2b\2,2b\3,3\1 3\2,3\3,3\4