

# Genoa: 7000722 Ian Headsail.des

Design Info  
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Design File:  
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need Confrim Order\7000722 Ian\7000722

Initial Design Date: 26/7/2023  
Boat:

Comments:

Client:

Design Data  
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Genoa

## Measurements

Luff geodesic:	9.900m
Leech geodesic:	9.000m
Foot geodesic:	4.000m
Headboard width:	0.030m
Luff perpendicular (HLP):	3.646m
Upper width (HUW):	0.407m
Three-quarter width (HTW):	0.804m
Half width (HHW):	1.679m
Quarter width (HQW):	2.627m
Foot median:	9.366m
ORC Headsail area:	17.275m?
IRC Headsail area:	17.257m?
Surface area:	17.408m?
Forestay height:	9.000m
J:	3.500m

## Draft Stripes

1, Luff: 3.295m ; Leech: 2.792m ;  
2, Luff: 6.561m ; Leech: 5.827m ;

## Luff Curve

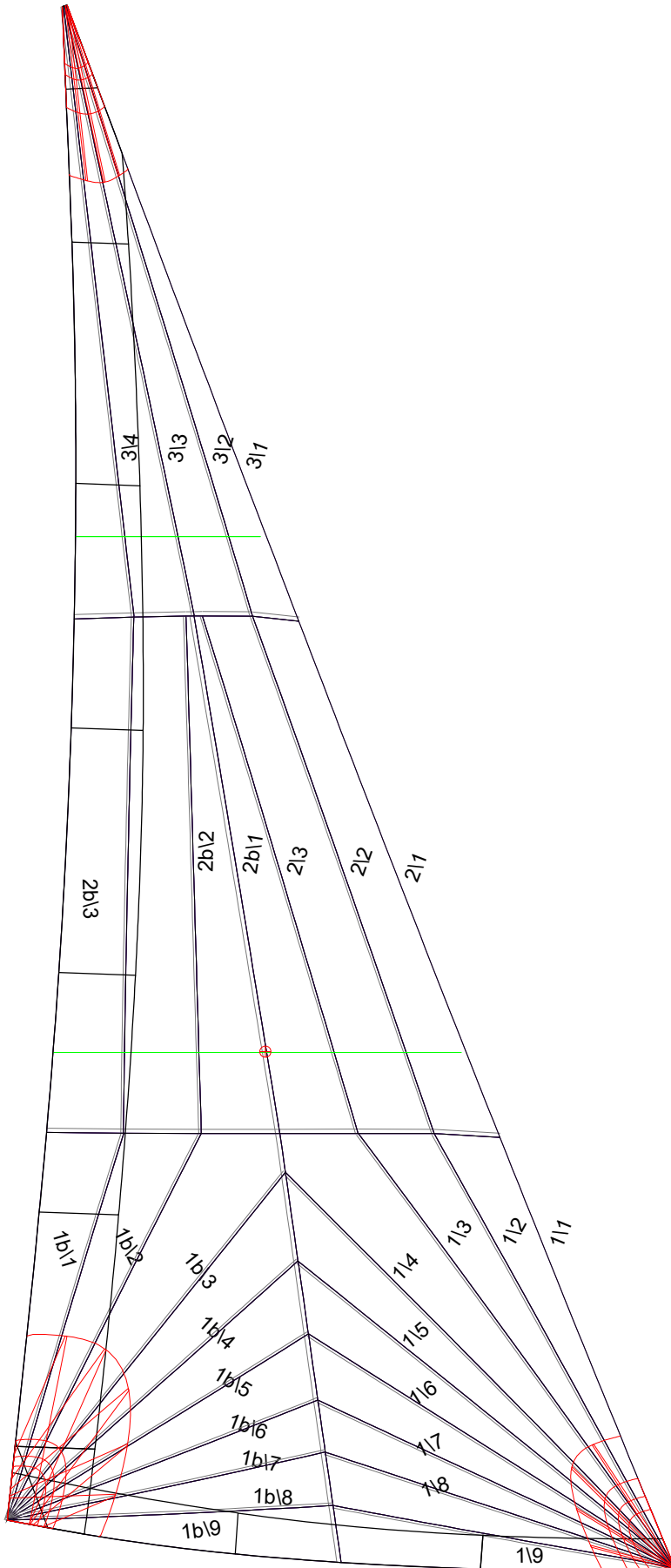
9.898m,	0.000m
7.424m,	0.059m
4.949m,	0.079m
2.475m,	0.059m
0.000m,	0.000m

## Fanned Luff (@ 5.00% [0.197m])

100% (9.898m) :	-0.000m	0.000m
90% (8.908m) :	-0.026m	0.000m
80% (7.919m) :	-0.050m	0.003m
70% (6.929m) :	-0.067m	0.009m
60% (5.939m) :	-0.078m	0.014m
50% (4.949m) :	-0.082m	0.015m
40% (3.959m) :	-0.080m	0.013m
30% (2.969m) :	-0.071m	0.011m
20% (1.980m) :	-0.053m	0.011m
10% (0.988m) :	-0.028m	0.008m
0% (0.000m) :	0.000m	0.000m

## Before BSeam

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## Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.025m	0.015m	0.025m
Zone: 1/b	0.025m	0.015m	0.025m
Zone: 2/a	0.025m	0.015m	0.025m
Zone: 2/b	0.025m	0.015m	0.025m
Zone: 3	0.025m	0.015m	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	4.21
Radial/Vertical	63.55
Bi-Radial Split	5.83

## Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	17.44	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\9,2\1,2\2 2\3,2b\1,2b\2,2b\3,3\1 3\2,3\3,3\4