

# Genoa: 8000522 Rob-2 HeadsailV1.des

Design Info  
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Design File:  
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000522 Rob main

Initial Design Date: 19/6/2024  
Boat:

Comments:

Client:

Design Data  
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## Genoa

### Measurements

Luff geodesic: 37.536Ft  
Leech geodesic: 35.619Ft  
Foot geodesic: 18.747Ft  
Headboard width: 0.164Ft  
Luff perpendicular (HLP): 17.701Ft  
Upper width (HUW): 2.055Ft  
Three-quarter width (HTW): 4.050Ft  
Half width (HHW): 8.393Ft  
Quarter width (HQW): 12.974Ft  
Foot median: 36.081Ft  
ORC Headsail area: 323.161Ft?  
IRC Headsail area: 322.393Ft?  
Surface area: 327.205Ft?  
Forestay height: 38.000Ft  
J: 11.420Ft

### Draft Stripes

- 1, Luff: 9.431Ft ; Leech: 8.030Ft ;
- 2, Luff: 18.834Ft ; Leech: 17.263Ft ;
- 3, Luff: 28.206Ft ; Leech: 26.373Ft ;

### Luff Curve

37.532Ft, 0.000Ft  
30.006Ft, 0.163Ft  
22.485Ft, 0.225Ft  
14.976Ft, 0.204Ft  
7.482Ft, 0.129Ft  
0.000Ft, 0.000Ft

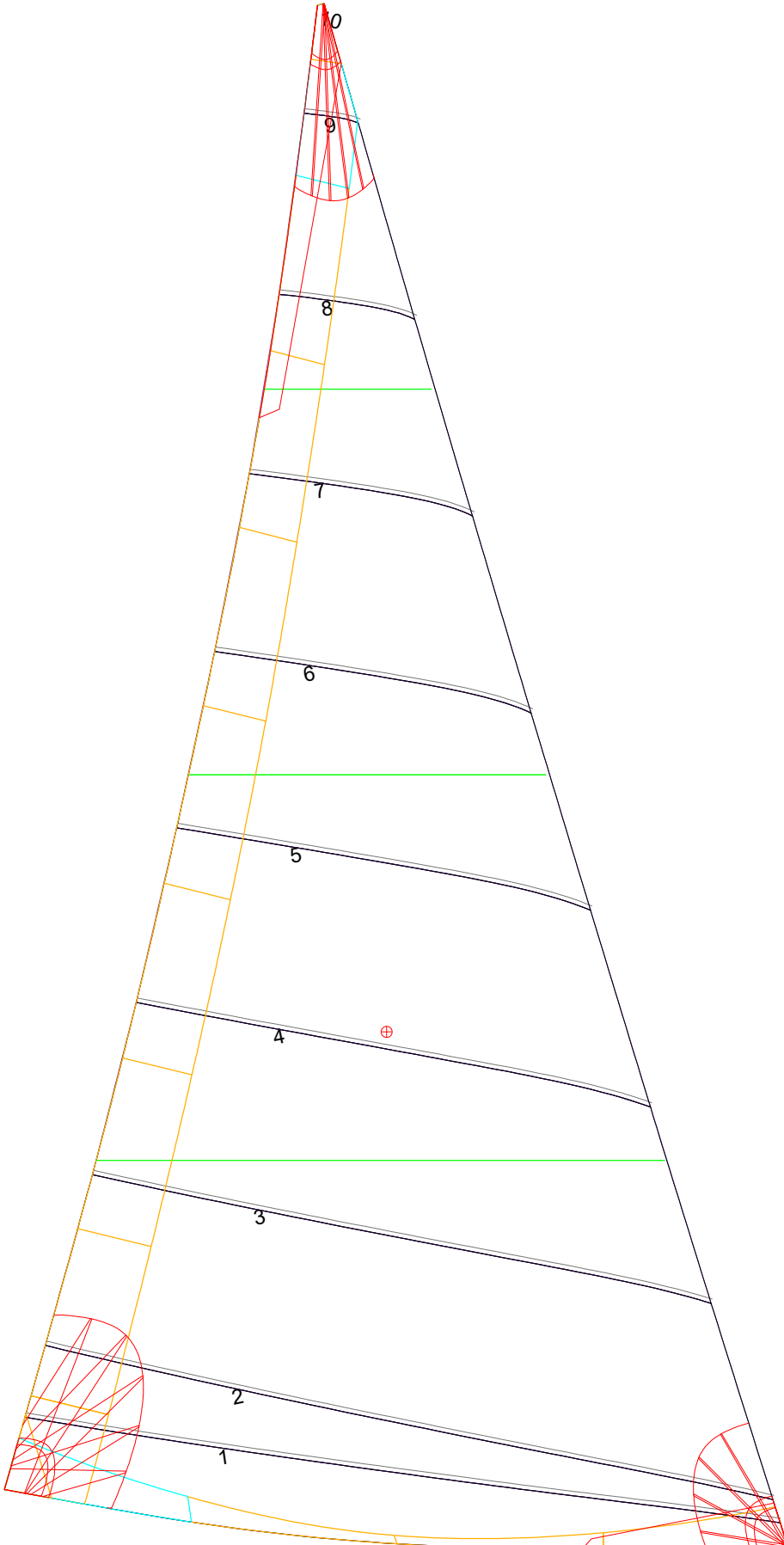
### Fanned Luff (@ 5.00% [0.913Ft])

100% (37.532Ft) : -0.000Ft  
90% (33.777Ft) : -0.082Ft  
80% (30.028Ft) : -0.157Ft  
70% (26.273Ft) : -0.207Ft  
60% (22.520Ft) : -0.225Ft  
50% (18.766Ft) : -0.224Ft  
40% (15.013Ft) : -0.210Ft  
30% (11.259Ft) : -0.182Ft  
20% (7.508Ft) : -0.134Ft  
10% (3.749Ft) : -0.072Ft  
0% (0.000Ft) : 0.000Ft

### Before BSeam

0.000Ft  
0.033Ft  
0.066Ft  
0.107Ft  
0.151Ft  
0.185Ft  
0.198Ft  
0.186Ft  
0.148Ft  
0.085Ft  
0.000Ft

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## Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1	0.000Ft	0.000Ft	0.105Ft
Cover 1	0.082Ft	0.082Ft	0.082Ft
Cover 2	0.082Ft	0.082Ft	0.082Ft
Cover 3	0.000Ft	0.000Ft	0.000Ft
Cover 4	0.000Ft	0.000Ft	0.000Ft

## Edge Excesses

	Luff	Leech	Foot
Sail:	0.000Ft	0.000Ft	0.000Ft
Cover 0	0.230Ft	0.328Ft	0.230Ft
Cover 1	0.230Ft	0.230Ft	0.328Ft
Cover 2	0.000Ft	0.230Ft	0.230Ft
Cover 3	0.000Ft	0.230Ft	0.230Ft

## Total Seam Lengths (Ft)

Horizontal	93.20
Radial/Vertical	0.00
Bi-Radial Split	0.00

## Materials

Material	Area (Ft <sup>2</sup> )	Panels
Material 1	327.74	1,2,3,4,5 6,7,8,9,10