

# Genoa: 8000522 Rob-2 Headsail.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: 29/5/2024  
Boat:

Comments:

Client:

Design Data  
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## Genoa

### Measurements

Luff geodesic:	38.362Ft
Leech geodesic:	37.708Ft
Foot geodesic:	18.308Ft
Headboard width:	0.164Ft
Luff perpendicular (HLP):	17.701Ft
Upper width (HUW):	2.058Ft
Three-quarter width (HTW):	4.054Ft
Half width (HHW):	8.405Ft
Quarter width (HQW):	12.982Ft
Foot median:	37.664Ft
ORC Headsail area:	330.486Ft?
IRC Headsail area:	329.701Ft?
Surface area:	334.553Ft?
Forestay height:	38.000Ft
J:	11.420Ft

### Draft Stripes

1, Luff: 9.637Ft ; Leech: 9.683Ft ;  
 2, Luff: 19.247Ft ; Leech: 19.042Ft ;  
 3, Luff: 28.826Ft ; Leech: 28.308Ft ;

### Luff Curve

		Fanned Luff (@ 5.00% [0.893Ft])	Before BSeam
38.358Ft,	0.000Ft	100% (38.358Ft) :	0.000Ft
30.666Ft,	0.163Ft	90% (34.519Ft) :	-0.082Ft
22.980Ft,	0.225Ft	80% (30.689Ft) :	-0.158Ft
15.306Ft,	0.204Ft	70% (26.851Ft) :	-0.209Ft
7.646Ft,	0.129Ft	60% (23.016Ft) :	-0.229Ft
0.000Ft,	0.000Ft	50% (19.179Ft) :	-0.229Ft
		40% (15.343Ft) :	-0.215Ft
		30% (11.506Ft) :	-0.187Ft
		20% (7.673Ft) :	-0.139Ft
		10% (3.831Ft) :	-0.074Ft
		0% (0.000Ft) :	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

Sail:	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	92.03
Radial/Vertical	0.00
Bi-Radial Split	0.00

## Materials

Material	Area (Ft <sup>2</sup> )	Panels
Material 1	335.11	1,2,3,4,5 6,7,8,9,10

