

Genoa: 8000410 Richard-2 Sirius 22 hanksjib.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000410 Richard 2

Initial Design Date: 2/5/2024
Boat:
Sirius 22
Client:

Comments:

Design Data
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Genoa

Measurements

Luff geodesic: 25.656Ft
Leech geodesic: 21.826Ft
Foot geodesic: 9.649Ft
Headboard width: 0.135Ft
Luff perpendicular (HLP): 8.075Ft
Upper width (HUW): 0.967Ft
Three-quarter width (HTW): 1.833Ft
Half width (HHW): 3.725Ft
Quarter width (HQW): 5.825Ft
Foot median: 23.530Ft
ORC Headsail area: 99.735Ft?
IRC Headsail area: 99.547Ft?
Surface area: 100.356Ft?
Forestay height: 25.000Ft
J: 8.500Ft

Draft Stripes

1, Luff: 8.509Ft ; Leech: 5.497Ft ;
2, Luff: 16.981Ft ; Leech: 13.507Ft ;

Luff Slides

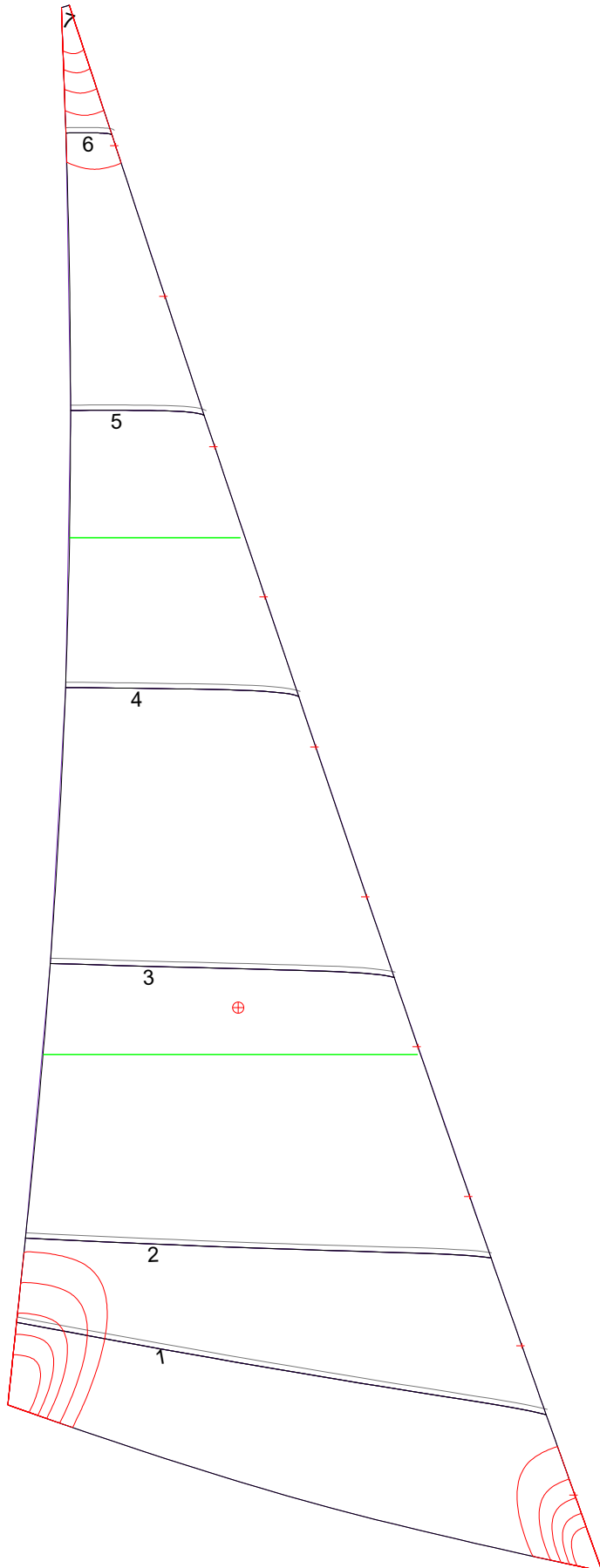
1, Position: 1.250Ft
2, Position: 3.707Ft
3, Position: 6.163Ft
4, Position: 8.620Ft
5, Position: 11.076Ft
6, Position: 13.533Ft
7, Position: 15.990Ft
8, Position: 18.446Ft
9, Position: 20.903Ft
10, Position: 23.360Ft

Luff Curve

25.653Ft, 0.000Ft
20.509Ft, 0.109Ft
15.368Ft, 0.150Ft
10.236Ft, 0.137Ft
5.114Ft, 0.086Ft
0.000Ft, 0.000Ft

Fanned Luff (@ 5.00% [0.460Ft])		Before BSeam
100% (25.653Ft) :	0.000Ft	0.000Ft
90% (23.090Ft) :	-0.055Ft	0.013Ft
80% (20.523Ft) :	-0.111Ft	0.019Ft
70% (17.958Ft) :	-0.147Ft	0.031Ft
60% (15.392Ft) :	-0.164Ft	0.046Ft
50% (12.827Ft) :	-0.166Ft	0.058Ft
40% (10.261Ft) :	-0.158Ft	0.061Ft
30% (7.695Ft) :	-0.139Ft	0.055Ft
20% (5.131Ft) :	-0.105Ft	0.046Ft
10% (2.562Ft) :	-0.057Ft	0.031Ft
0% (0.000Ft) :	0.000Ft	0.000Ft

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Seam Allowances			
Zone: 1	Split	Radial	Cross
	0.000Ft	0.000Ft	0.082Ft

Edge Excesses			
Sail:	Luff	Leech	Foot
	0.000Ft	0.000Ft	0.000Ft

Total Seam Lengths (Ft)

Horizontal	28.41
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (Ft ²)	Panels
Material 1	100.76	1,2,3,4,5 6,7