

Genoa: 8001030 Richard headsail.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8001030 Richard H

Initial Design Date: 5/11/2024
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	23.760Ft
Leech geodesic:	21.499Ft
Foot geodesic:	6.499Ft
Headboard width:	0.131Ft
Luff perpendicular (HLP):	5.755Ft
Upper width (HUW):	0.649Ft
Three-quarter width (HTW):	1.213Ft
Half width (HHW):	2.552Ft
Quarter width (HQW):	4.068Ft
Foot median:	22.552Ft
ORC Headsail area:	64.401Ft?
IRC Headsail area:	64.254Ft?
Surface area:	64.419Ft?
Forestay height:	25.000Ft
J:	7.500Ft

Draft Stripes

1, Luff: 11.917Ft ; Leech: 10.078Ft ;

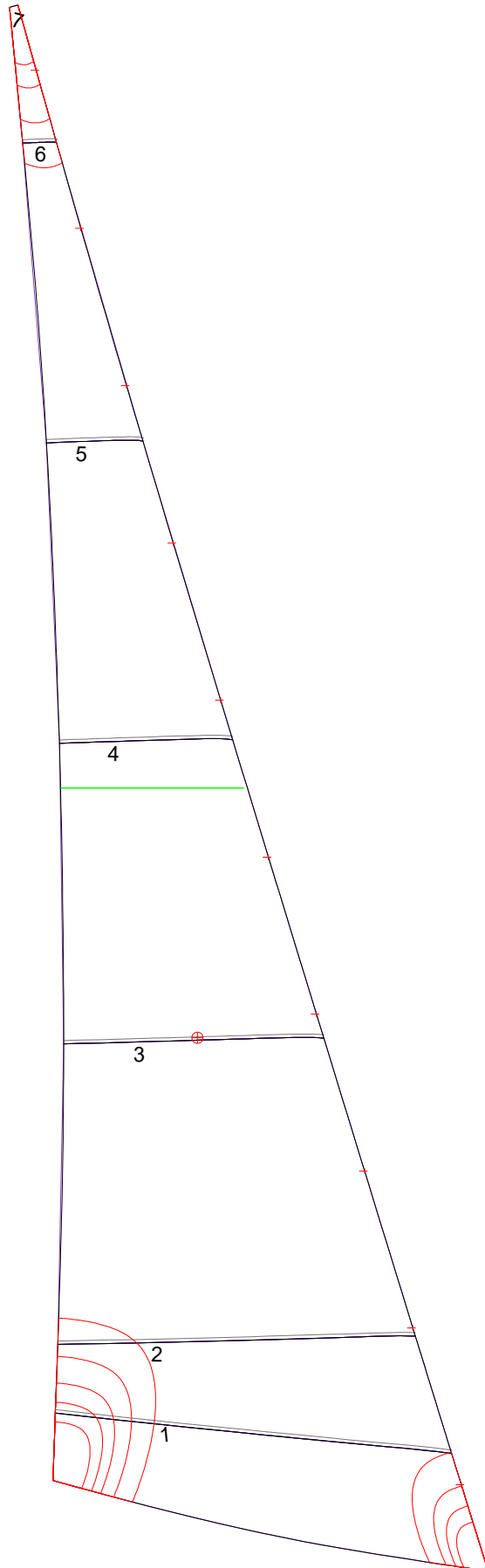
Luff Slides

- 1, Position: 1.312Ft
- 2, Position: 3.697Ft
- 3, Position: 6.082Ft
- 4, Position: 8.467Ft
- 5, Position: 10.852Ft
- 6, Position: 13.236Ft
- 7, Position: 15.621Ft
- 8, Position: 18.006Ft
- 9, Position: 20.391Ft
- 10, Position: 22.776Ft

Luff Curve

		Fanned Luff (@ 5.00% [0.316Ft])	Before BSeam	
23.757Ft,	0.000Ft	100% (23.758Ft) :	-0.000Ft	0.000Ft
21.783Ft,	0.060Ft	90% (21.382Ft) :	-0.065Ft	-0.028Ft
19.600Ft,	0.108Ft	80% (19.007Ft) :	-0.112Ft	-0.042Ft
17.678Ft,	0.133Ft	70% (16.631Ft) :	-0.135Ft	-0.040Ft
15.443Ft,	0.142Ft	60% (14.255Ft) :	-0.139Ft	-0.026Ft
11.823Ft,	0.125Ft	50% (11.879Ft) :	-0.128Ft	-0.009Ft
7.721Ft,	0.085Ft	40% (9.503Ft) :	-0.108Ft	0.005Ft
4.016Ft,	0.042Ft	30% (7.127Ft) :	-0.083Ft	0.014Ft
0.000Ft,	0.000Ft	20% (4.752Ft) :	-0.057Ft	0.018Ft
		10% (2.375Ft) :	-0.029Ft	0.014Ft
		0% (0.000Ft) :	0.000Ft	0.000Ft

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Seam Allowances			
Zone: 1	Split	Radial	Cross
	0.049Ft	0.049Ft	0.049Ft

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

Total Seam Lengths (Ft)

Horizontal	19.76
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (Ft ²)	Panels
Material 1	64.78	1,2,3,4,5 6,7