

# Mainsail: 1000211 Robin mainsail R1.des

Design Info  
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Design File:  
G:\System\Dropbox\Dropbox\Mike computer\Fareast Sails Production\2017\1000211 Robin-1-2\1000211 Robin mainsa

Initial Design Date: 23/2/2017  
Boat:

Comments:

Client:

Design Data  
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## Main

### Measurements

Luff Geodesic:	23.967Ft
Leech Geodesic:	24.872Ft
Foot Geodesic:	7.018Ft
Mainsail Girth Top(MGT) (87.5%):	1.331Ft
Mainsail Girth Upper(MGU) (75%):	2.299Ft
Mainsail Girth Medium(MGM)(50%):	4.035Ft
Mainsail Girth Lower(MGL) (25%):	5.588Ft
IMS Mainsail Area:	93.552Ft?
Mainsail Vertical Girth:	24.239Ft
Surface Area:	94.160Ft?

### Battens

Position	Length	Roach	Angle	Full
80.000%	1.470Ft	0.105Ft	74.625?	
60.000%	2.100Ft	0.143Ft	74.625?	
40.000%	2.100Ft	0.112Ft	74.625?	
20.000%	1.750Ft	0.062Ft	74.625?	

### Reefing Points

1, Luff: 3.595Ft ; Leech: 3.727Ft ; Offset: 0.000Ft ; Number Eyelets: 2

### Luff Curve

		Fanned Luff (@ 5.00% [0. Before BSeam		
23.966Ft,	0.000Ft	100% (23.967Ft) :	0.000Ft	-0.000Ft
18.098Ft,	-0.102Ft	90% (21.570Ft) :	0.039Ft	0.075Ft
11.994Ft,	-0.119Ft	80% (19.174Ft) :	0.073Ft	0.140Ft
5.997Ft,	-0.079Ft	70% (16.777Ft) :	0.093Ft	0.183Ft
0.000Ft,	0.000Ft	60% (14.380Ft) :	0.100Ft	0.204Ft
		50% (11.984Ft) :	0.097Ft	0.204Ft
		40% (9.587Ft) :	0.086Ft	0.188Ft
		30% (7.190Ft) :	0.070Ft	0.160Ft
		20% (4.793Ft) :	0.048Ft	0.116Ft
		10% (2.397Ft) :	0.022Ft	0.057Ft
		0% (0.000Ft) :	0.000Ft	0.000Ft

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#	Leech m	Luff m	Full	Length m
1	6.061	5.842		0.448
2	4.546	4.381		0.640
3	3.031	2.919		0.640
4	1.515	1.458		0.533

## Seam Allowances

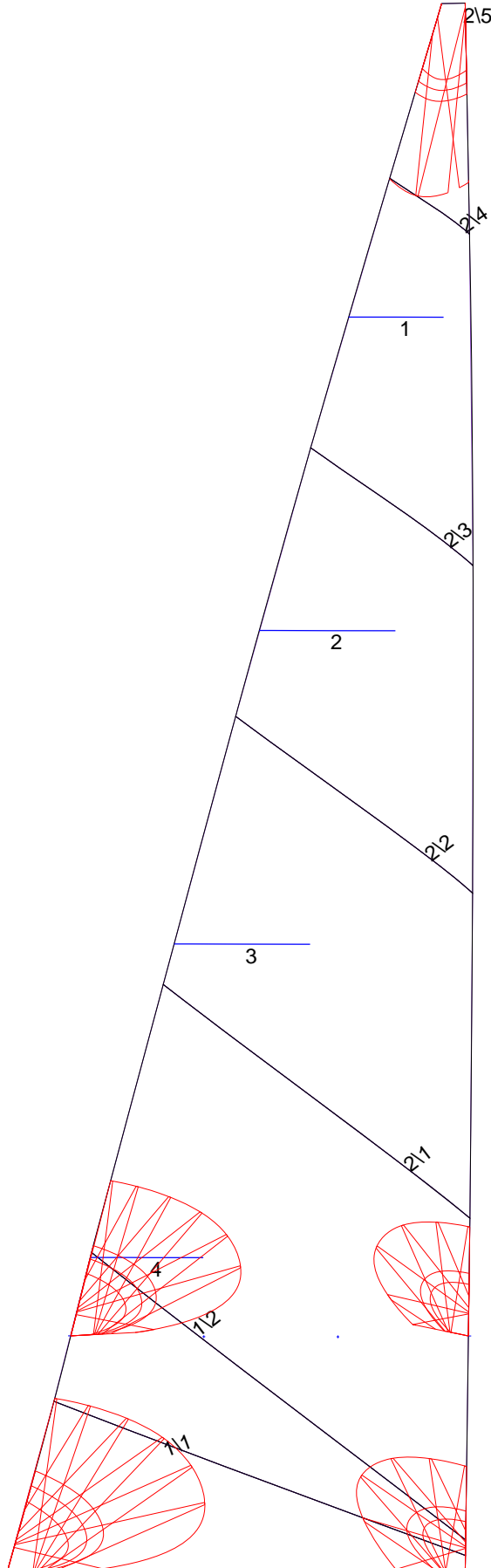
Zone:	Split	Radial	Cross
Zone: 1	0.000Ft	0.000Ft	0.082Ft
Zone: 2	0.000Ft	0.000Ft	0.082Ft

## Edge Excesses

Sail:	Luff	Leech	Foot
Sail:	0.000Ft	0.000Ft	0.000Ft

## Materials

Material	Area (Ft <sup>2</sup> )	Panels
Material 1	94.13	1\1,1\2,2\1,2\2,2\3 2\4,2\5



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