

Mainsail: 6000913.des

Design Info
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Design File:
F:\Dropbox\Dropbox\Fareast Sails\2022 Order\Need confirm order\6000913 Gary\6000913.des

Initial Design Date: 28/9/2022
Boat:

Comments:

Client:

Design Data
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Main

Measurements

Luff geodesic:	10.395m
Leech geodesic:	10.947m
Foot geodesic:	3.732m
Head geodesic:	0.115m
Upper width (MUW):	0.709m
Three-quarter width (MTW):	1.308m
Half width (MHW):	2.305m
Quarter width (MQW):	3.081m
Foot median:	10.577m
ORC Mainsail area:	22.390m?
Surface area:	22.843m?
Clew height:	0.100m
Mast rake:	0.000m

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
83.333%	0.961m	0.179m	72.200?	8.658m	9.090m	Full
66.667%	1.746m	0.300m	72.200?	6.926m	7.272m	Full
50.000%	2.338m	0.267m	72.200?	5.194m	5.454m	Full
33.333%	2.866m	0.213m	72.200?	3.462m	3.636m	Full
16.667%	3.317m	0.115m	72.200?	1.731m	1.818m	Full

Reefing Points

1, Luff: 1.999m ; Leech: 2.074m ; Offset: 0.000m ; Number Eyelets: 2
2, Luff: 3.999m ; Leech: 4.152m ; Offset: 0.000m ; Number Eyelets: 2

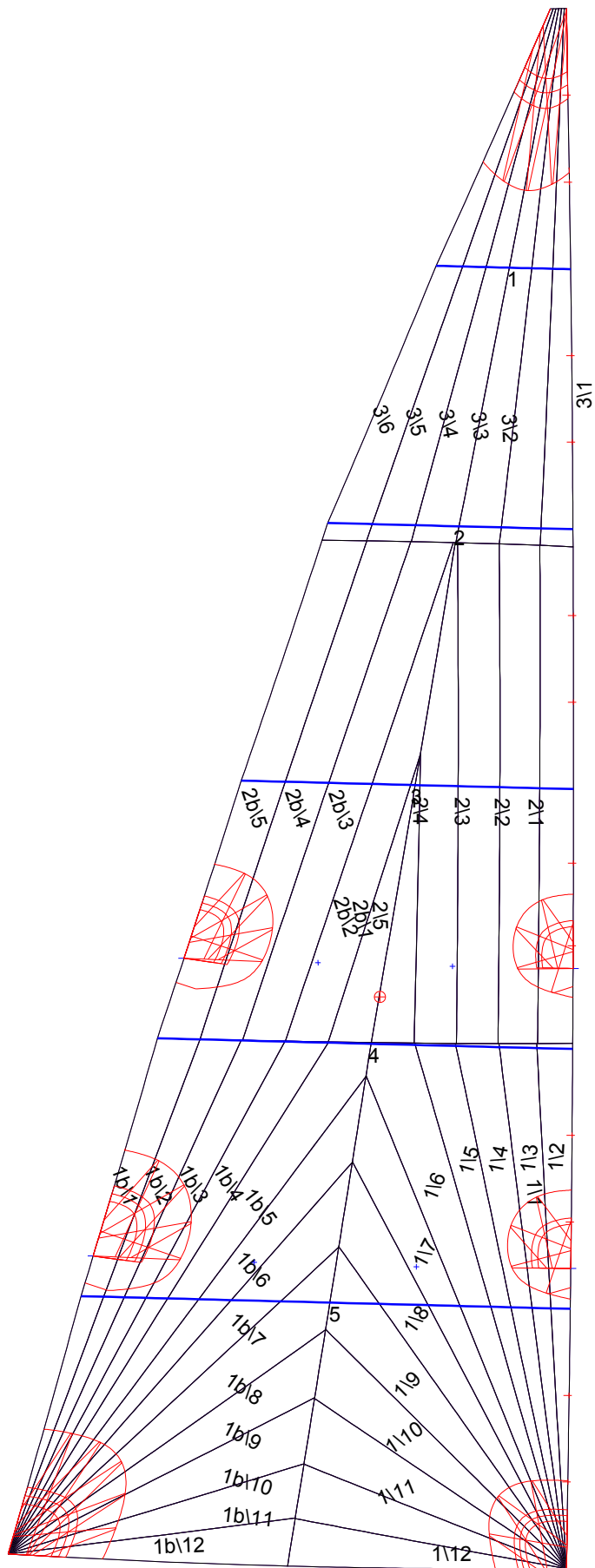
Luff Slides

1, Position: 0.577m
2, Position: 1.155m
3, Position: 2.309m
4, Position: 2.887m
5, Position: 4.150m
6, Position: 4.700m
7, Position: 5.773m
8, Position: 6.351m
9, Position: 7.505m
10, Position: 8.083m
11, Position: 9.238m
12, Position: 9.817m

Luff Curve

		Fanned Luff (@ 5.00% [0.186m])	Before BSeam	
10.395m,	0.000m	100% (10.395m) :	0.000m	-0.000m
9.099m,	-0.022m	90% (9.356m) :	0.012m	0.038m
7.796m,	-0.037m	80% (8.316m) :	0.022m	0.074m
6.489m,	-0.045m	70% (7.277m) :	0.029m	0.103m
5.197m,	-0.047m	60% (6.237m) :	0.031m	0.119m
3.873m,	-0.043m	50% (5.198m) :	0.031m	0.121m
2.599m,	-0.034m	40% (4.158m) :	0.028m	0.110m
1.295m,	-0.020m	30% (3.119m) :	0.024m	0.089m
0.000m,	0.000m	20% (2.079m) :	0.017m	0.062m
		10% (1.040m) :	0.009m	0.030m
		0% (0.000m) :	0.000m	0.000m

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Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1/a	0.038m	0.015m	0.038m
Zone: 1/b	0.038m	0.015m	0.038m
Zone: 2/a	0.038m	0.015m	0.038m
Zone: 2/b	0.038m	0.015m	0.038m
Zone: 3	0.038m	0.015m	0.038m

Edge Excesses

Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	4.65
Radial/Vertical	109.86
Bi-Radial Split	7.25

Materials

Material	Area (m ²)	Panels
Material 1	22.88	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1\9,1\10 1\11,1\12,1b\1,1b\2,1b\3 1b\4,1b\5,1b\6,1b\7,1b\8 1b\9,1b\10,1b\11,1b\12,2\1 2\2,2\3,2\4,2\5,2b\1 2b\2,2b\3,2b\4,2b\5,3\1 3\2,3\3,3\4,3\5,3\6