

Mainsail: 3000624 John furling main R0

Design Info

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Initial Design Date: 23/7/2019
Boat:

Client:

Design File:

E:\Dropbox\Dropbox\Mike computer\Fareast Sails Production\2019\3000624 John\3000624 John furling main R0.des

Comments:
tack angle 85.5

Design Data

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Main

Measurements

Luff geodesic:	18.030m
Leech geodesic:	18.543m
Foot geodesic:	5.850m
Head geodesic:	0.033m
Upper width (MUW):	0.625m
Three-quarter width (MTW):	1.261m
Half width (MHW):	2.694m
Quarter width (MQW):	4.232m
Foot median:	18.007m
ORC Mainsail area:	50.109m?
Surface area:	49.156m?

Luff Curve

18.030m,	0.000m
13.523m,	0.000m
9.015m,	0.000m
4.508m,	0.000m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0. Before BSeam

100% (18.030m) :	0.000m	-0.000m
90% (16.227m) :	0.000m	0.020m
80% (14.424m) :	0.000m	0.041m
70% (12.621m) :	0.001m	0.061m
60% (10.818m) :	0.001m	0.077m
50% (9.015m) :	-0.001m	0.083m
40% (7.212m) :	-0.002m	0.079m
30% (5.409m) :	-0.004m	0.066m
20% (3.606m) :	-0.006m	0.046m
10% (1.803m) :	-0.006m	0.021m
0% (0.000m) :	0.000m	0.000m

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Seam Allowances

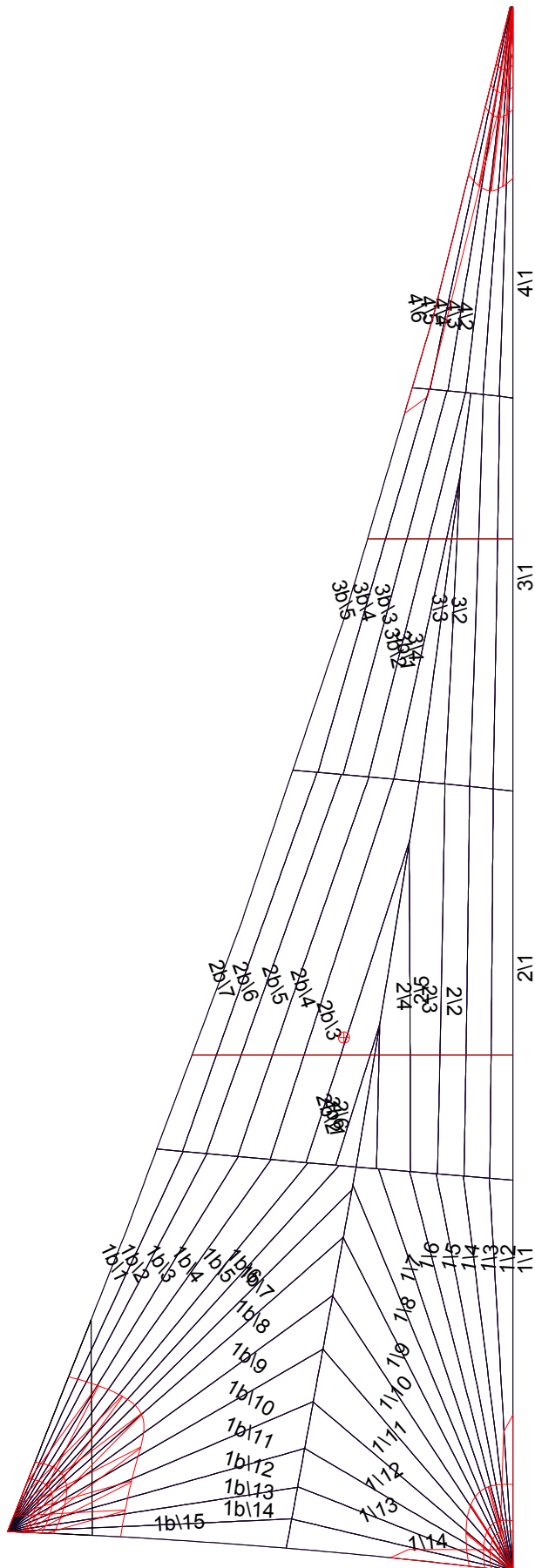
	Split	Radial	Cross
Zone: 1/a	0.045m	0.021m	0.045m
Zone: 1/b	0.045m	0.021m	0.045m
Zone: 2/a	0.045m	0.021m	0.045m
Zone: 2/b	0.045m	0.021m	0.045m
Zone: 3/a	0.045m	0.021m	0.045m
Zone: 3/b	0.045m	0.021m	0.045m
Zone: 4	0.045m	0.021m	0.045m
Cover 1	0.015m	0.015m	0.015m
Cover 2	0.015m	0.015m	0.015m

Edge Excesses

	Luff	Leech	Foot
Sail:	0.000m	0.000m	0.000m
Cover 0	0.000m	0.000m	0.000m
Cover 1	0.000m	0.000m	0.000m

Materials

Material	Area (m ²)	Panels
Material 1	49.39	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1\9,1\10 1\11,1\12,1\13,1\14,1b\1 1b\2,1b\3,1b\4,1b\5,1b\6 1b\7,1b\8,1b\9,1b\10,1b\11 1b\12,1b\13,1b\14,1b\15,2\1 2\2,2\3,2\4,2\5,2\6 2b\1,2b\2,2b\3,2b\4,2b\5 2b\6,2b\7,3\1,3\2,3\3 3\4,3b\1,3b\2,3b\3,3b\4 3b\5,4\1,4\2,4\3,4\4 4\5,4\6



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