

Mainsail: 6000906 Phil mainsail.des

Design Info
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Design File:
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Initial Design Date: 10/8/2015
Boat:

Comments:

Client:

Design Data
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Main

Measurements

Luff geodesic:	8.100m
Leech geodesic:	8.350m
Foot geodesic:	2.500m
Head geodesic:	0.115m
Upper width (MUW):	0.471m
Three-quarter width (MTW):	0.830m
Half width (MHW):	1.459m
Quarter width (MQW):	2.007m
Foot median:	8.210m
ORC Mainsail area:	11.344m?
Surface area:	11.533m?
Clew height:	0.100m
Mast rake:	0.000m

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
80.000%	0.711m	0.066m	75.833?	6.473m	6.675m	Full
60.000%	1.240m	0.090m	75.833?	4.853m	5.007m	Full
40.000%	1.697m	0.075m	75.833?	3.233m	3.338m	Full
20.000%	2.115m	0.043m	75.833?	1.614m	1.669m	Full

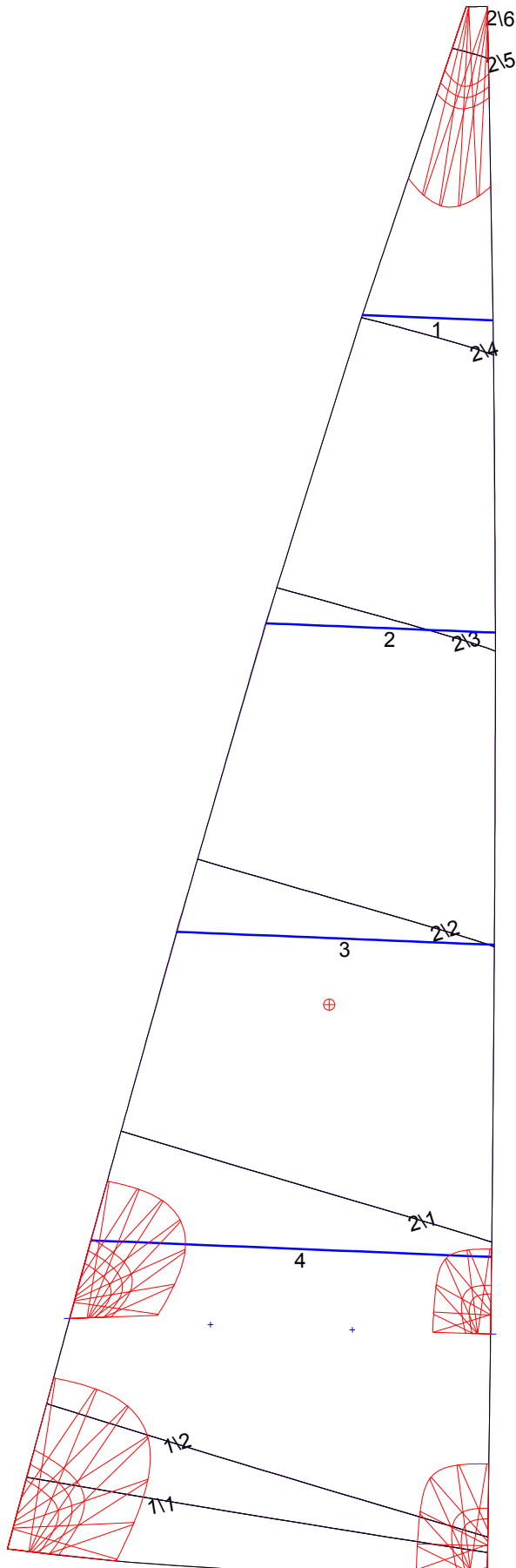
Reefing Points

1, Luff: 1.214m ; Leech: 1.239m ; Offset: 0.000m ; Number Eyelets: 2

Luff Curve

		Fanned Luff (@ 5.00% [0.125m])	Before BSeam
8.100m,	0.000m	100% (8.100m) :	0.000m
6.116m,	-0.034m	90% (7.290m) :	0.013m
4.054m,	-0.040m	80% (6.480m) :	0.024m
2.027m,	-0.027m	70% (5.670m) :	0.031m
0.000m,	0.000m	60% (4.860m) :	0.034m
		50% (4.050m) :	0.032m
		40% (3.240m) :	0.029m
		30% (2.430m) :	0.023m
		20% (1.620m) :	0.016m
		10% (0.810m) :	0.007m
		0% (0.000m) :	0.000m

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Seam Allowances

	Split	Radial	Cross
Zone: 1	0.025m	0.025m	0.025m
Zone: 2	0.025m	0.025m	0.025m

Edge Excesses

Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	10.70
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	11.54	1/1, 1/2, 2/1, 2/2, 2/3 2/4, 2/5, 2/6