

Mainsail: 6001208 Mario-1 Main.des

Design Info
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Design File:
F:\Dropbox\Dropbox\Fareast Sails\2022 Order\Need confirm order\6001208 Mario\6001208 Mario-1 Main.des

Initial Design Date: 17/12/2022
Boat:

Comments:

Client:

Design Data
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Main

Measurements

Luff geodesic: 7.315m
 Leech geodesic: 7.731m
 Foot geodesic: 2.690m
 Head geodesic: 0.115m
 Upper width (MUW): 0.636m
 Three-quarter width (MTW): 1.170m
 Half width (MHW): 1.957m
 Quarter width (MQW): 2.412m
 Foot median: 7.511m
 ORC Mainsail area: 12.687m?
 Surface area: 13.282m?
 Clew height: 0.100m
 Mast rake: 0.000m

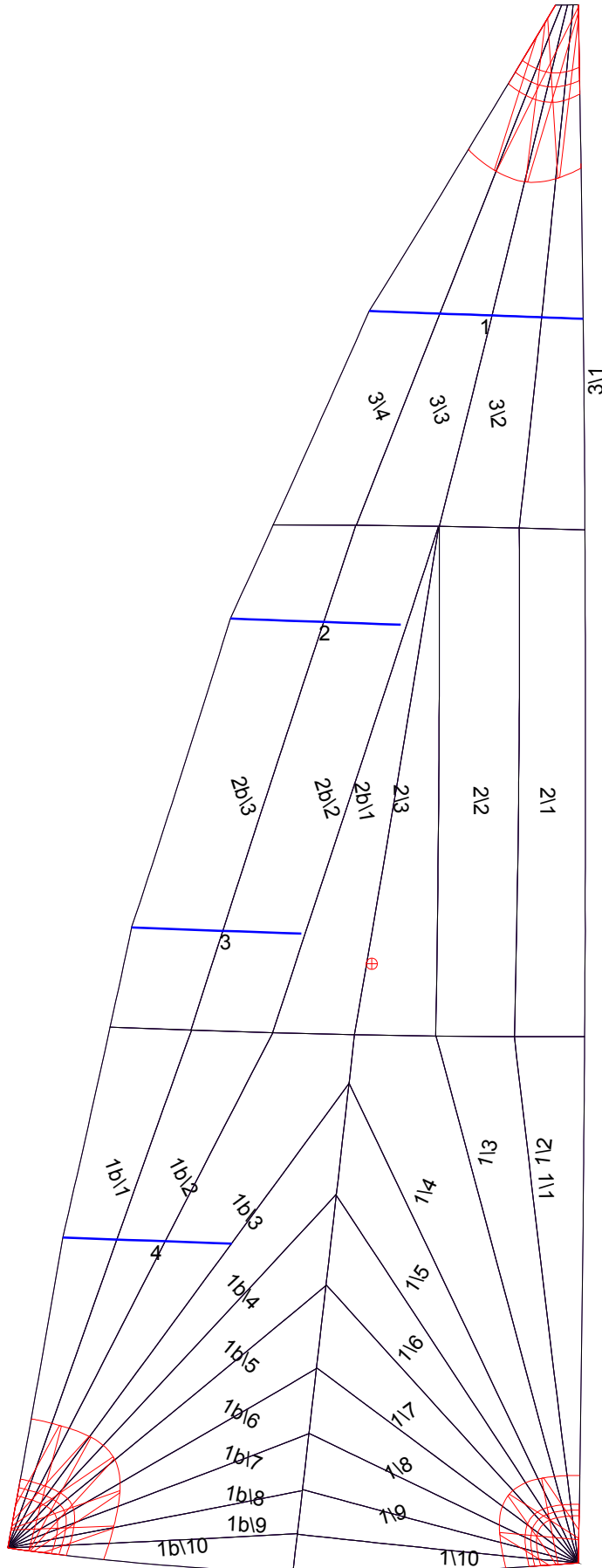
Battens

Position	Length	Roach	Angle	Luff	Leech	Full
80.000%	1.078m	0.374m	72.562?	5.841m	6.147m	Full
60.000%	0.805m	0.504m	72.562?	4.374m	4.610m	
40.000%	0.805m	0.442m	72.562?	2.906m	3.074m	
20.000%	0.800m	0.248m	72.562?	1.440m	1.537m	

Luff Curve

		Fanned Luff (@ 5.00% [0.134m])	Before BSeam
7.315m,	0.000m	100% (7.315m) :	0.000m
6.403m,	-0.015m	90% (6.584m) :	0.008m
5.486m,	-0.026m	80% (5.852m) :	0.015m
4.567m,	-0.032m	70% (5.121m) :	0.019m
3.657m,	-0.033m	60% (4.389m) :	0.021m
2.726m,	-0.030m	50% (3.658m) :	0.021m
1.829m,	-0.024m	40% (2.926m) :	0.019m
0.912m,	-0.014m	30% (2.195m) :	0.016m
0.000m,	0.000m	20% (1.463m) :	0.012m
		10% (0.732m) :	0.006m
		0% (0.000m) :	0.000m

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Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.025m	0.015m	0.025m
Zone: 1/b	0.025m	0.015m	0.025m
Zone: 2/a	0.025m	0.015m	0.025m
Zone: 2/b	0.025m	0.015m	0.025m
Zone: 3	0.025m	0.015m	0.025m

Edge Excesses

Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	3.88
Radial/Vertical	53.08
Bi-Radial Split	5.16

Materials

Material	Area (m ²)	Panels
Material 1	13.30	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1\9,1\10 1b\1,1b\2,1b\3,1b\4,1b\5 1b\6,1b\7,1b\8,1b\9,1b\10 2\1,2\2,2\3,2b\1,2b\2 2b\3,3\1,3\2,3\3,3\4