Mainsail: 6000324 Thomas.des

Design Info
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Design File:
E:\Dropbox\Fareast Sails\2022 Order\6000324 Thomas\6000324 Thomas.des

Comments:

Initial Design Date: 24/3/2022
Boat:

Client:

Design Data
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Main

Measurements

Luff geodesic:	12.177m
Leech geodesic:	12.924m
Foot geodesic:	4.356m
Head geodesic:	0.115m
Upper width (MUW):	0.769m
Three-quarter width (MTW):	1.423m
Half width (MHW):	2.577m
Quarter width (MQW):	3.529m
Foot median:	12.529m
ORC Mainsail area:	29.725m?
Surface area:	30.397m?
Clew height:	0.000m
Mast rake:	0.000m

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
80.000%	1.203m	0.134m	70.853?	9.739m	10.309m	Full
60.000%	2.177m	0.180m	70.853?	7.304m	7.732m	Full
40.000%	1.303m	0.153m	70.853?	4.869m	5.155m	
20.000%	1.086m	0.088m	70.853?	2.434m	2.577m	

Reefing Points

1, Luff: 1.827m ; Leech: 1.924m ; Offset: 0.000m ; Number Eyelets: 3
2, Luff: 3.288m ; Leech: 3.462m ; Offset: 0.000m ; Number Eyelets: 3
3, Luff: 4.700m ; Leech: 4.948m ; Offset: 0.000m ; Number Eyelets: 2

Luff Slides

1, Position: 0.812m
2, Position: 1.623m
3, Position: 2.400m
4, Position: 3.000m
5, Position: 3.900m
6, Position: 5.000m
7, Position: 5.750m
8, Position: 6.550m
9, Position: 8.116m
10, Position: 8.927m
11, Position: 10.552m
12, Position: 11.364m

Luff Curve

12.176m,	0.000m
10.659m,	-0.042m
9.132m,	-0.072m
7.602m,	-0.087m
6.088m,	-0.090m
4.537m,	-0.083m
3.044m,	-0.067m
1.517m,	-0.038m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.217m])		Before BSeam
100% (12.177m) :	0.000m	0.000m
90% (10.959m) :	0.023m	0.055m
80% (9.742m) :	0.044m	0.107m
70% (8.524m) :	0.056m	0.146m
60% (7.306m) :	0.062m	0.168m
50% (6.089m) :	0.062m	0.171m
40% (4.871m) :	0.059m	0.159m
30% (3.653m) :	0.051m	0.133m
20% (2.435m) :	0.038m	0.093m
10% (1.218m) :	0.020m	0.047m
0% (0.000m) :	0.000m	0.000m

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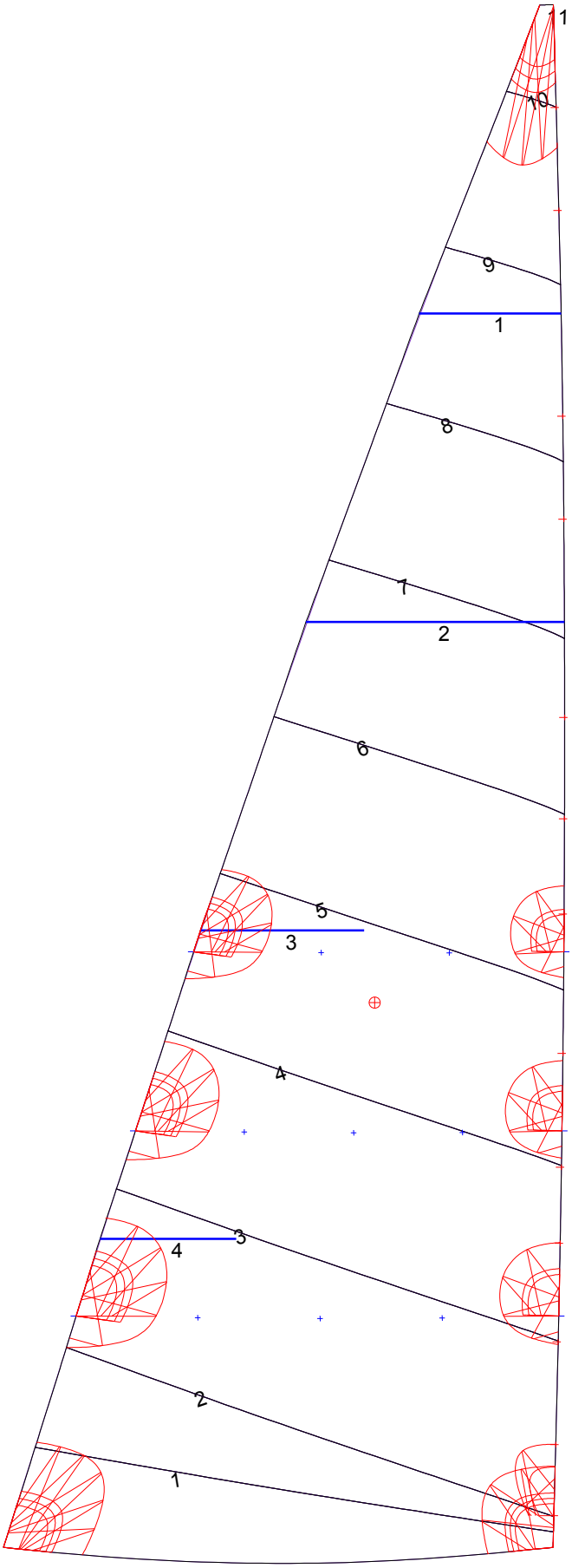

Seam Allowances

	Split	Radial	Cross
Zone: 1	0.000m	0.000m	0.025m

Edge Excesses

	Luff	Leech	Foot
Sail:	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	26.05
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m?	Panels
Material 1	30.42	1,2,3,4,5 6,7,8,9,10 11