

Mainsail: 7000119 Tom-1 mainsail.des

Design Info
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Design File:
F:\Dropbox\Dropbox-20221019\Dropbox20221213\Dropbox\Fareast Sails\2023 Order\Need Confrim Order\7000119 To

Initial Design Date: 31/1/2023
Boat:

Comments:

Client:

Design Data
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Main

Measurements

Luff geodesic:	6.100m
Leech geodesic:	6.630m
Foot geodesic:	2.630m
Head geodesic:	0.100m
Upper width (MUW):	0.525m
Three-quarter width (MTW):	0.953m
Half width (MHW):	1.663m
Quarter width (MQW):	2.195m
Foot median:	6.298m
ORC Mainsail area:	9.418m?
Surface area:	9.711m?
Clew height:	-0.001m
Mast rake:	0.000m

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
81.500%	0.530m	0.169m	90.000?	4.726m	5.379m	
62.000%	0.760m	0.244m	90.000?	3.330m	4.092m	
41.700%	0.760m	0.212m	90.000?	1.882m	2.752m	
21.600%	0.760m	0.127m	90.000?	0.454m	1.426m	

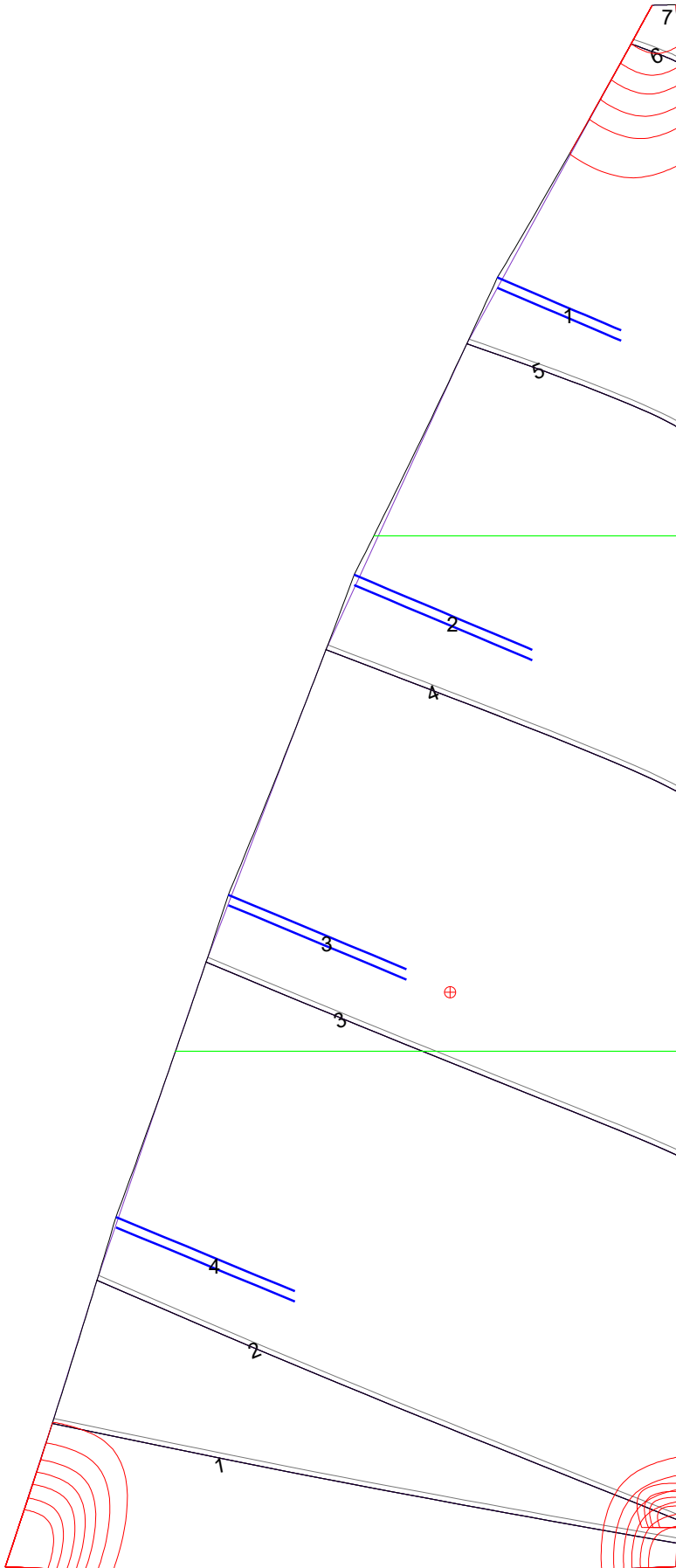
Draft Stripes

1, Luff: 2.013m ; Leech: 2.130m ;
2, Luff: 4.026m ; Leech: 4.283m ;

Luff Curve

		Fanned Luff (@ 5.00% [0.131m])	Before BSeam
6.100m,	0.000m	100% (6.100m) :	0.000m
5.340m,	-0.015m	90% (5.490m) :	0.008m
4.575m,	-0.026m	80% (4.880m) :	0.053m
3.808m,	-0.032m	70% (4.270m) :	0.073m
3.050m,	-0.033m	60% (3.660m) :	0.084m
2.273m,	-0.030m	50% (3.050m) :	0.086m
1.525m,	-0.024m	40% (2.440m) :	0.078m
0.760m,	-0.014m	30% (1.830m) :	0.063m
0.000m,	0.000m	20% (1.220m) :	0.044m
		10% (0.610m) :	0.006m
		0% (0.000m) :	0.000m

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Seam Allowances			
Zone: 1	Split	Radial	Cross
	0.000m	0.000m	0.020m

Edge Excesses			
Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	9.81
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	9.68	1,2,3,4,5 6,7