

# Mainsail: 6001219 David-V1-0107.des

Design Info  
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Design File:  
F:\Dropbox\Dropbox\Fareast Sails\2022 Order\Need confirm order\6001219 David\6001219 David-V1-0107.des

Initial Design Date: 4/1/2023  
Boat:

Comments:

Client:

Design Data  
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Main

Measurements

Luff geodesic: 15.530m  
Leech geodesic: 16.093m  
Foot geodesic: 4.773m  
Head geodesic: 0.190m  
Upper width (MUW): 0.956m  
Three-quarter width (MTW): 1.718m  
Half width (MHW): 2.995m  
Quarter width (MQW): 3.979m  
Foot median: 15.815m  
ORC Mainsail area: 43.383m?  
Surface area: 44.319m?  
Clew height: 0.140m  
Mast rake: 0.000m

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
80.000%	1.485m	0.275m	75.156?	12.416m	12.840m	Full
60.000%	2.578m	0.370m	75.156?	9.311m	9.630m	Full
40.000%	3.455m	0.330m	75.156?	6.207m	6.420m	Full
20.000%	4.167m	0.197m	75.156?	3.103m	3.210m	Full

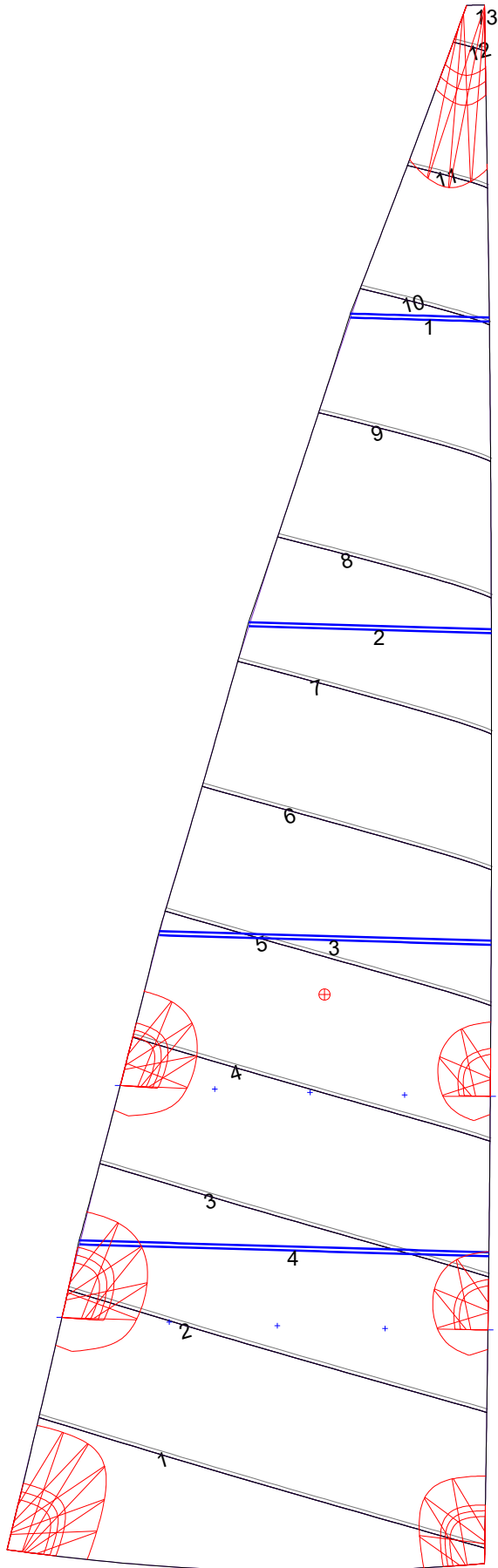
Reefing Points

1, Luff: 2.329m ; Leech: 2.387m ; Offset: 0.000m ; Number Eyelets: 3  
2, Luff: 4.658m ; Leech: 4.776m ; Offset: 0.000m ; Number Eyelets: 3

Luff Curve

		Fanned Luff (@ 5.00% [0.238m])	Before BSeam
15.530m,	0.000m	100% (15.530m) :	0.000m
13.594m,	-0.032m	90% (13.977m) :	0.017m
11.647m,	-0.056m	80% (12.424m) :	0.103m
9.695m,	-0.068m	70% (10.871m) :	0.141m
7.765m,	-0.070m	60% (9.318m) :	0.162m
5.786m,	-0.065m	50% (7.765m) :	0.165m
3.882m,	-0.052m	40% (6.212m) :	0.151m
1.935m,	-0.029m	30% (4.659m) :	0.123m
0.000m,	0.000m	20% (3.106m) :	0.085m
		10% (1.553m) :	0.041m
		0% (0.000m) :	0.000m

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Seam Allowances			
Zone: 1	Split	Radial	Cross
	0.000m	0.000m	0.035m

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

Total Seam Lengths (m)

Horizontal	33.36
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	44.37	1,2,3,4,5 6,7,8,9,10 11,12,13