

# Mainsail: 6001219 David.des

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

Initial Design Date: 4/1/2023  
Boat:

Comments:

Client:

Design Data  
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Main

## Measurements

Luff geodesic:	15.591m
Leech geodesic:	16.157m
Foot geodesic:	4.740m
Head geodesic:	0.190m
Upper width (MUW):	0.952m
Three-quarter width (MTW):	1.710m
Half width (MHW):	2.978m
Quarter width (MQW):	3.954m
Foot median:	15.881m
ORC Mainsail area:	43.297m?
Surface area:	44.230m?
Clew height:	0.100m
Mast rake:	0.000m

## Battens

Position	Length	Roach	Angle	Luff	Leech	Full
80.000%	1.478m	0.275m	75.254?	12.463m	12.892m	Full
60.000%	2.564m	0.370m	75.254?	9.344m	9.669m	Full
40.000%	3.435m	0.330m	75.254?	6.226m	6.446m	Full
20.000%	4.140m	0.197m	75.254?	3.109m	3.223m	Full

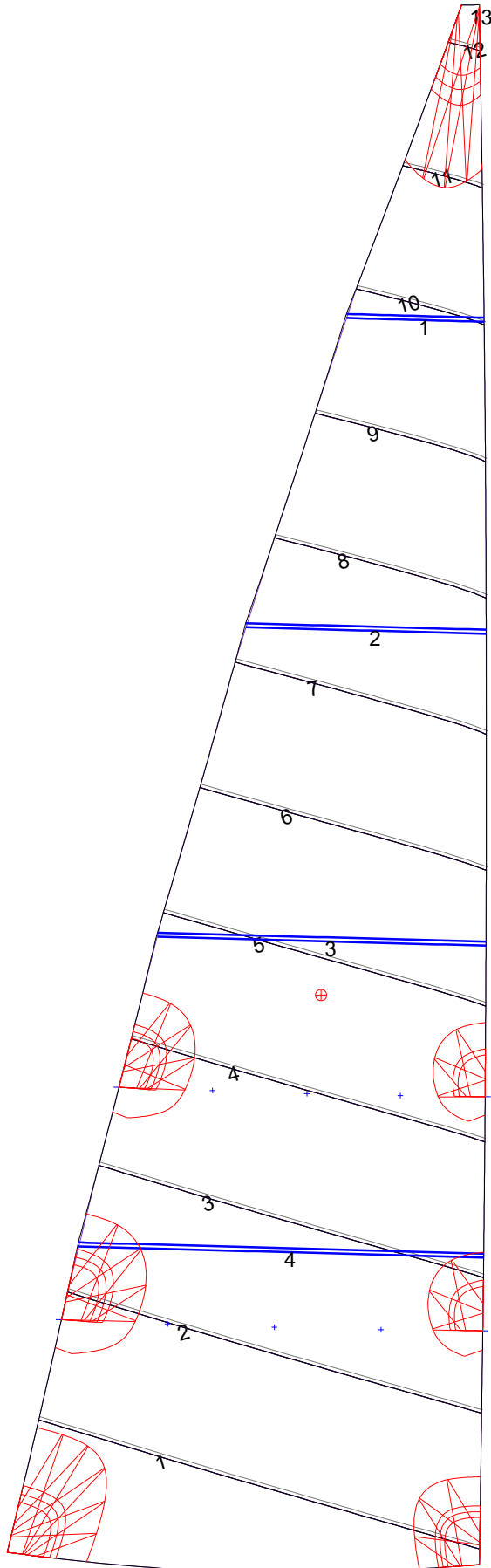
## Reefing Points

1, Luff: 2.338m ; Leech: 2.396m ; Offset: 0.000m ; Number Eyelets: 3  
2, Luff: 4.676m ; Leech: 4.795m ; Offset: 0.000m ; Number Eyelets: 3

## Luff Curve

		Fanned Luff (@ 5.00% [0.236m])	Before BSeam
15.591m,	0.000m	100% (15.591m) :	0.000m
13.648m,	-0.032m	90% (14.032m) :	0.052m
11.693m,	-0.056m	80% (12.473m) :	0.102m
9.733m,	-0.068m	70% (10.914m) :	0.141m
7.795m,	-0.070m	60% (9.355m) :	0.162m
5.809m,	-0.065m	50% (7.796m) :	0.164m
3.898m,	-0.052m	40% (6.236m) :	0.150m
1.943m,	-0.029m	30% (4.677m) :	0.122m
0.000m,	0.000m	20% (3.118m) :	0.085m
		10% (1.559m) :	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	33.16
Radial/Vertical	0.00
Bi-Radial Split	0.00

### Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	44.28	1,2,3,4,5 6,7,8,9,10 11,12,13