

Mainsail: 6001219 David mainsail -V2.des

Design Info
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Design File:
F:\Dropbox\Dropbox-20221019\Dropbox20221213\Dropbox\Fareast Sails\2023 Order\Need Confrim Order\6001219 D

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): 0.871m
 Three-quarter width (MTW): 1.559m
 Half width (MHW): 2.799m
 Quarter width (MQW): 3.847m
 Foot median: 15.816m
 ORC Mainsail area: 41.479m?
 Surface area: 42.126m?
 Clew height: 0.130m
 Mast rake: 0.000m

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
80.000%	1.321m	0.122m	75.156?	12.414m	12.848m	Full
60.000%	2.356m	0.165m	75.156?	9.307m	9.636m	Full
40.000%	3.257m	0.144m	75.156?	6.201m	6.424m	Full
20.000%	4.047m	0.083m	75.156?	3.096m	3.212m	Full

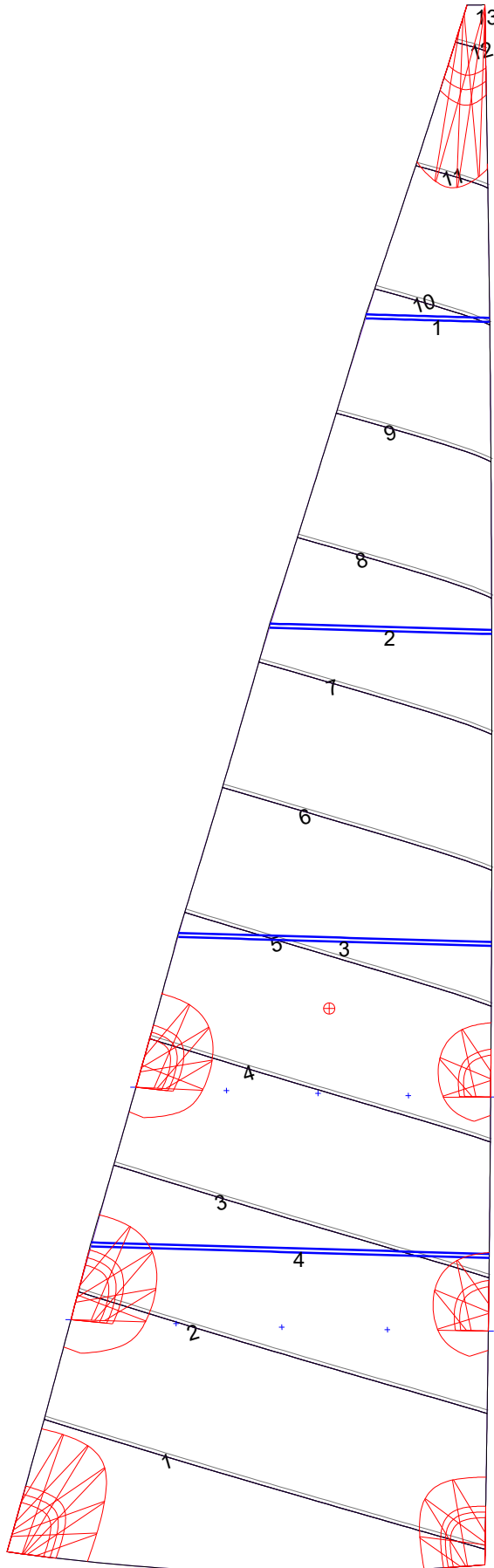
Reefing Points

1, Luff: 2.329m ; Leech: 2.407m ; Offset: 0.000m ; Number Eyelets: 3
 2, Luff: 4.658m ; Leech: 4.812m ; 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) :	0.018m
11.647m,	-0.056m	80% (12.424m) :	0.097m
9.695m,	-0.068m	70% (10.871m) :	0.133m
7.765m,	-0.070m	60% (9.318m) :	0.154m
5.786m,	-0.065m	50% (7.765m) :	0.159m
3.882m,	-0.052m	40% (6.212m) :	0.147m
1.935m,	-0.029m	30% (4.659m) :	0.121m
0.000m,	0.000m	20% (3.106m) :	0.085m
		10% (1.553m) :	0.015m
		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	31.66
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	42.19	1,2,3,4,5 6,7,8,9,10 11,12,13