

Mainsail: 6001219 David-V2.des

Design Info
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Design File:
C:\Users\Administrator\Desktop\0210(1)\0210\6001219 David-V2.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:	0.115m
Upper width (MUW):	0.819m
Three-quarter width (MTW):	1.520m
Half width (MHW):	2.785m
Quarter width (MQW):	3.851m
Foot median:	15.805m
ORC Mainsail area:	41.159m?
Surface area:	41.786m?
Clew height:	0.154m
Mast rake:	0.000m

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
80.000%	1.273m	0.134m	75.156?	12.416m	12.847m	Full
60.000%	2.331m	0.184m	75.156?	9.309m	9.635m	Full
40.000%	3.253m	0.169m	75.156?	6.203m	6.424m	Full
20.000%	4.053m	0.103m	75.156?	3.097m	3.212m	Full

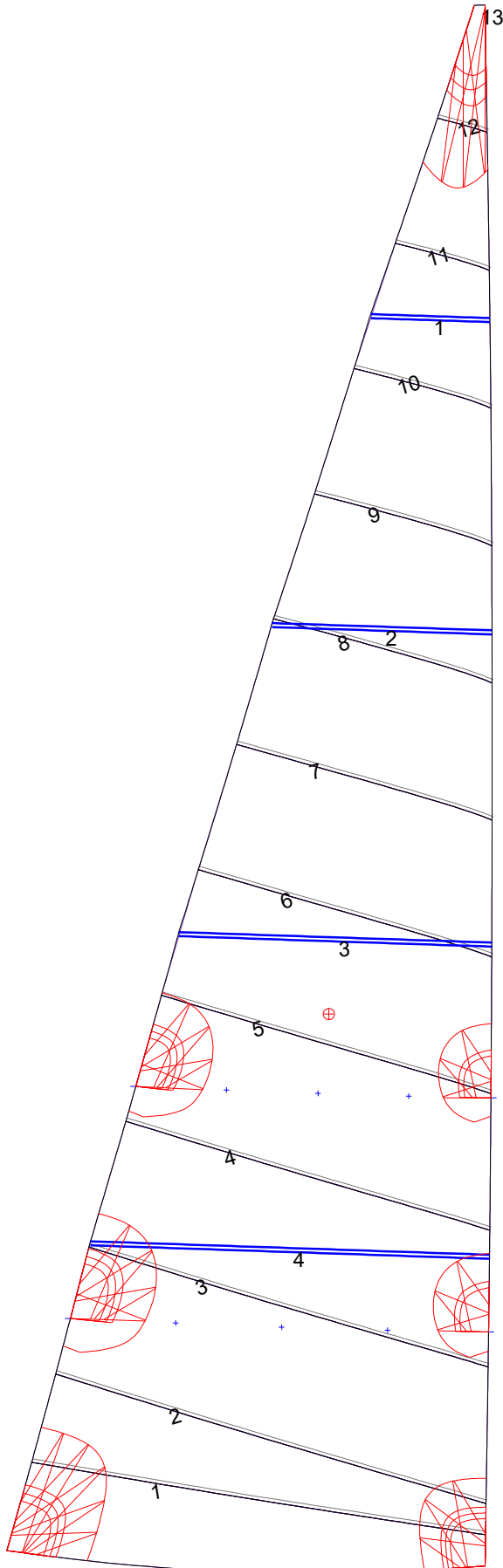
Reefing Points

1, Luff: 2.329m ; Leech: 2.403m ; Offset: 0.000m ; Number Eyelets: 3
2, Luff: 4.657m ; Leech: 4.805m ; 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) :	0.134m
7.765m,	-0.070m	60% (9.318m) :	0.155m
5.786m,	-0.065m	50% (7.765m) :	0.160m
3.882m,	-0.052m	40% (6.212m) :	0.148m
1.935m,	-0.029m	30% (4.659m) :	0.123m
0.000m,	0.000m	20% (3.106m) :	0.086m
		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	34.14
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	41.85	1,2,3,4,5 6,7,8,9,10 11,12,13