

Mainsail: 8000613 Pepijn-1 Moody 425 furlingmain.des

Job Number:

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000613 Pepijn M

Job No:
Initial Design Date: 22/7/2024
Boat:
Moody 425
Client:

Comments:

Design Data
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Main

Measurements

Luff geodesic:	13.385m
Leech geodesic:	13.950m
Foot geodesic:	4.700m
Head geodesic:	0.040m
Upper width (MUW):	0.536m
Three-quarter width (MTW):	1.056m
Half width (MHW):	2.200m
Quarter width (MQW):	3.419m
Foot median:	13.505m
ORC Mainsail area:	30.243m?
Surface area:	29.978m?
Clew height:	0.266m
Mast rake:	0.000m

Draft Stripes

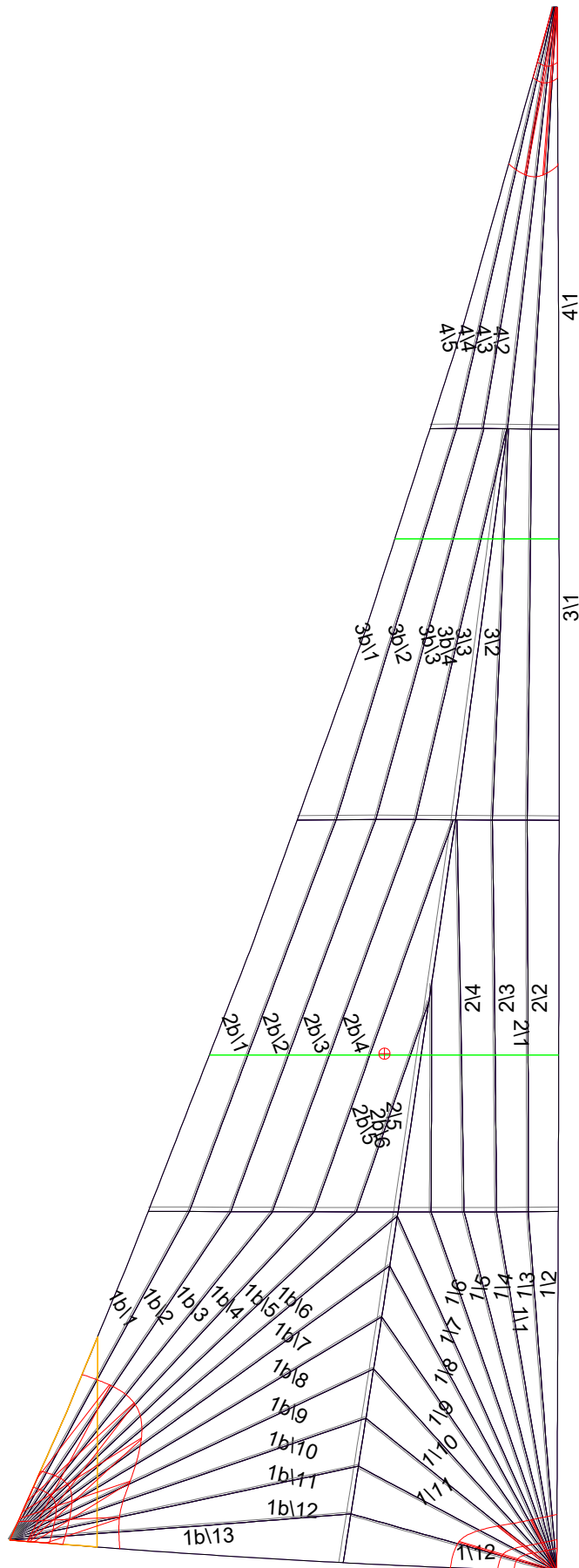
1, Luff: 4.417m ; Leech: 4.491m ;
2, Luff: 8.834m ; Leech: 9.181m ;

Luff Curve

		Fanned Luff (@ 5.00% [0.234m])	Before BSeam	
13.385m,	0.000m	100% (13.385m) :	0.000m	-0.000m
10.039m,	-0.014m	90% (12.047m) :	0.005m	0.018m
6.692m,	-0.018m	80% (10.708m) :	0.010m	0.035m
3.346m,	-0.013m	70% (9.370m) :	0.013m	0.050m
0.000m,	0.000m	60% (8.031m) :	0.014m	0.061m
		50% (6.693m) :	0.014m	0.067m
		40% (5.354m) :	0.012m	0.067m
		30% (4.015m) :	0.009m	0.059m
		20% (2.677m) :	0.005m	0.044m
		10% (1.339m) :	0.001m	0.023m
		0% (0.000m) :	0.000m	0.000m

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Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.038m	0.015m	0.038m
Zone: 1/b	0.038m	0.015m	0.038m
Zone: 2/a	0.038m	0.015m	0.038m
Zone: 2/b	0.038m	0.015m	0.038m
Zone: 3/a	0.038m	0.015m	0.038m
Zone: 3/b	0.038m	0.015m	0.038m
Zone: 4	0.038m	0.015m	0.038m
Cover 1	0.000m	0.000m	0.000m
Cover 2	0.000m	0.000m	0.000m

Edge Excesses

	Luff	Leech	Foot
Sail:	0.000m	0.000m	0.000m
Cover 0	0.000m	0.070m	0.070m
Cover 1	0.000m	0.070m	0.070m

Total Seam Lengths (m)

Horizontal	7.03
Radial/Vertical	133.66
Bi-Radial Split	10.18

Materials

Material	Area (m ²)	Panels
Material 1	30.03	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1\9,1\10 1\11,1\12,1b\1,1b\2,1b\3 1b\4,1b\5,1b\6,1b\7,1b\8 1b\9,1b\10,1b\11,1b\12,1b\13 2\1,2\2,2\3,2\4,2\5 2b\6,2b\5,2b\4,2b\3,2b\2 2b\1,3\1,3\2,3\3,3b\4 3b\3,3b\2,3b\1,4\1,4\2 4\3,4\4,4\5