

Mainsail: 8000420 Thorsten-1 Bavaria34 vertfurlmainV1.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\8000420 Thorsten

Job No:
Initial Design Date: 2/5/2024
Boat:
Bavaria 34
Client:

Comments:

Design Data
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Main

Measurements

Luff geodesic: 10.820m
Leech geodesic: 11.297m
Foot geodesic: 4.080m
Head geodesic: 0.030m
Upper width (MUW): 0.700m
Three-quarter width (MTW): 1.287m
Half width (MHW): 2.309m
Quarter width (MQW): 3.219m
Foot median: 10.915m
ORC Mainsail area: 24.049m?
Surface area: 24.305m?
Clew height: 0.250m
Mast rake: 0.150m

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
92.000%	2.000m	0.103m	159.028?	82.243m	10.362m	
76.000%	2.200m	0.203m	159.028?	212.977m	8.560m	
59.000%	2.400m	0.199m	159.028?	351.882m	6.645m	
42.000%	2.400m	0.153m	159.028?	490.786m	4.730m	
25.000%	2.000m	0.095m	159.028?	629.692m	2.816m	

Draft Stripes

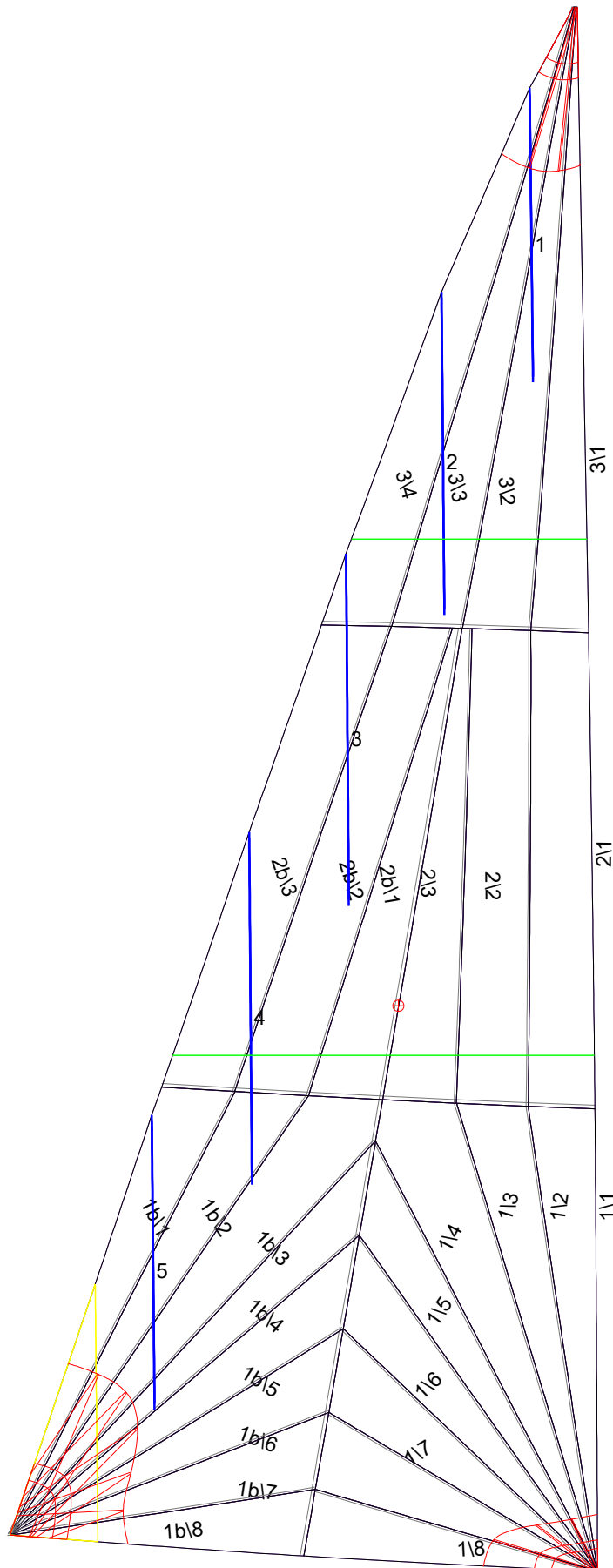
1, Luff: 3.569m ; Leech: 3.516m ;
2, Luff: 7.140m ; Leech: 7.291m ;

Luff Curve

		Fanned Luff (@ 5.00% [0.203m])	Before BSeam
10.820m,	0.000m	100% (10.820m) :	-0.000m
9.433m,	-0.006m	90% (9.738m) :	0.029m
8.115m,	-0.014m	80% (8.656m) :	0.055m
5.410m,	-0.025m	70% (7.574m) :	0.077m
2.705m,	-0.020m	60% (6.492m) :	0.090m
0.000m,	0.000m	50% (5.410m) :	0.091m
		40% (4.328m) :	0.082m
		30% (3.246m) :	0.066m
		20% (2.164m) :	0.044m
		10% (1.082m) :	0.019m
		0% (0.000m) :	0.000m

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Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1/a	0.025m	0.015m	0.025m
Zone: 1/b	0.025m	0.015m	0.025m
Zone: 2/a	0.025m	0.015m	0.025m
Zone: 2/b	0.025m	0.015m	0.025m
Zone: 3	0.025m	0.015m	0.025m
Cover 1	0.000m	0.000m	0.000m
Cover 2	0.000m	0.000m	0.000m

Edge Excesses

Sail:	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	5.04
Radial/Vertical	67.67
Bi-Radial Split	6.67

Materials

Material	Area (m ²)	Panels
Material 1	24.34	1/1, 1/2, 1/3, 1/4, 1/5 1/6, 1/7, 1/8, 1b1, 1b2 1b3, 1b4, 1b5, 1b6, 1b7 1b8, 2/1, 2/2, 2/3, 2b1 2b2, 2b3, 3/1, 3/2, 3/3 3/4