

# Mainsail: 6001226 Daniel Furling Main Bavaria 30.des

Design Info  
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Design File:  
F:\Dropbox\Dropbox\Fareast Sails\2022 Order\Need confirm order\6001226 Daniel Bavaria 30\6001226 Daniel Furling

Initial Design Date: 31/12/2022  
Boat:

Comments:

Client:

Design Data  
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## Main

### Measurements

Luff geodesic:	10.960m
Leech geodesic:	11.303m
Foot geodesic:	4.100m
Head geodesic:	0.040m
Upper width (MUW):	0.542m
Three-quarter width (MTW):	1.054m
Half width (MHW):	2.094m
Quarter width (MQW):	3.102m
Foot median:	10.999m
ORC Mainsail area:	22.790m?
Surface area:	22.787m?
Clew height:	0.429m
Mast rake:	0.000m

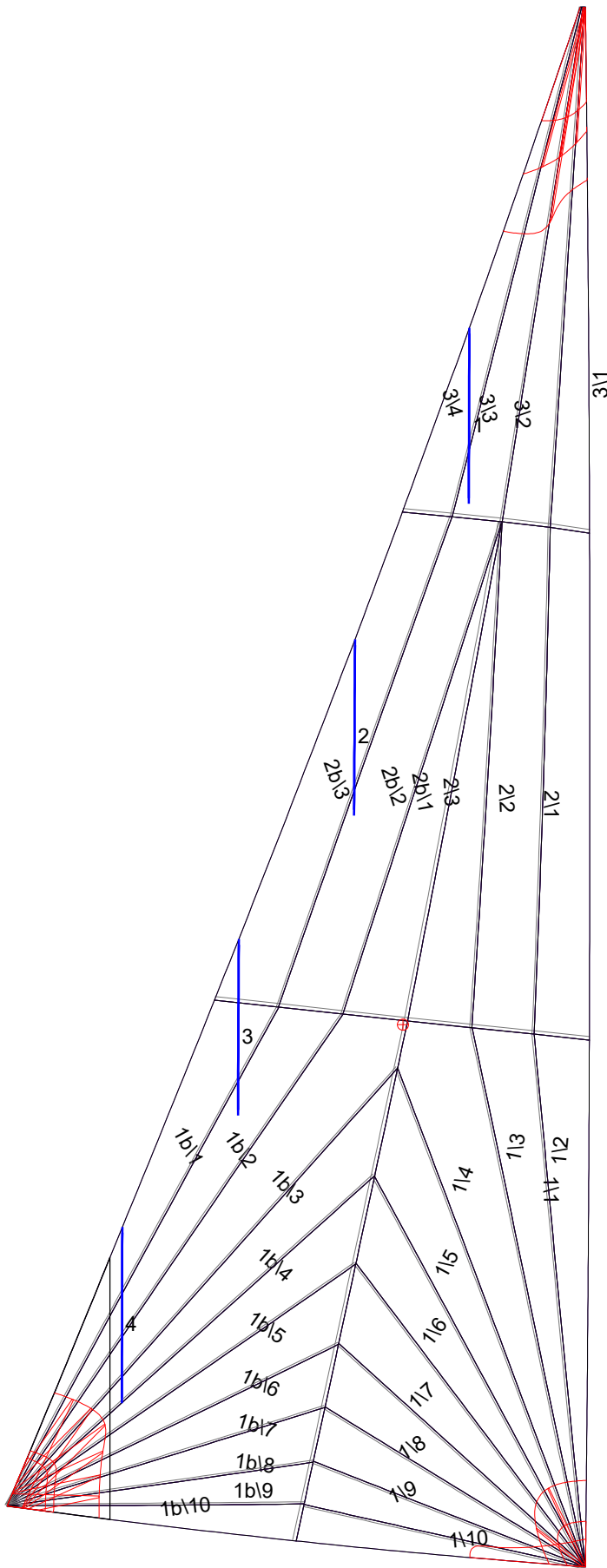
### Battens

Position	Length	Roach	Angle	Luff	Leech	Full
80.000%	1.200m	-0.051m	159.085?	100.807m	9.020m	
60.000%	1.200m	-0.080m	159.085?	186.449m	6.765m	
40.000%	1.200m	-0.080m	159.085?	272.090m	4.510m	
20.000%	1.200m	-0.051m	159.085?	357.731m	2.255m	

### Luff Curve

		Fanned Luff (@ 5.00% [0.203m])	Before BSeam
10.960m,	0.000m	100% (10.960m) :	-0.000m
9.594m,	-0.014m	90% (9.864m) :	0.008m
8.220m,	-0.024m	80% (8.768m) :	0.015m
6.842m,	-0.029m	70% (7.672m) :	0.020m
5.480m,	-0.030m	60% (6.576m) :	0.021m
4.084m,	-0.028m	50% (5.480m) :	0.021m
2.740m,	-0.022m	40% (4.384m) :	0.018m
1.366m,	-0.013m	30% (3.288m) :	0.015m
0.000m,	0.000m	20% (2.192m) :	0.010m
		10% (1.096m) :	0.005m
		0% (0.000m) :	0.000m

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## Seam Allowances

	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

## Edge Excesses

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

## Total Seam Lengths (m)

Horizontal	4.16
Radial/Vertical	79.67
Bi-Radial Split	7.51

## Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	22.78	1l1,1l2,1l3,1l4,1l5 1l6,1l7,1l8,1l9,1l10 1b1,1b2,1b3,1b4,1b5 1b6,1b7,1b8,1b9,1b10 2l1,2l2,2l3,2b1,2b2 2b3,3l1,3l2,3l3,3l4