

# Mainsail: 8000612 Sean Jeanneau469 verbattmain.des

Design Info  
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Design File:  
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000612 Sean Jeanneau469

Initial Design Date: 15/8/2024  
Boat:  
Jeanneau469 verbatt  
Client:

Comments:  
tack angle 86 deg

Design Data  
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Main

Measurements

Luff geodesic: 15.050m  
Leech geodesic: 15.550m  
Foot geodesic: 5.050m  
Head geodesic: 0.035m  
Foot(Inc Luff Rope): 5.065m  
Head(Inc Luff Rope): 0.050m  
Upper width (MUW): 0.860m  
Three-quarter width (MTW): 1.591m  
Half width (MHW): 2.891m  
Quarter width (MQW): 4.040m  
Foot median: 15.152m  
ORC Mainsail area: 41.719m?  
Surface area: 41.850m?  
Clew height: 0.100m  
Mast rake: 0.000m

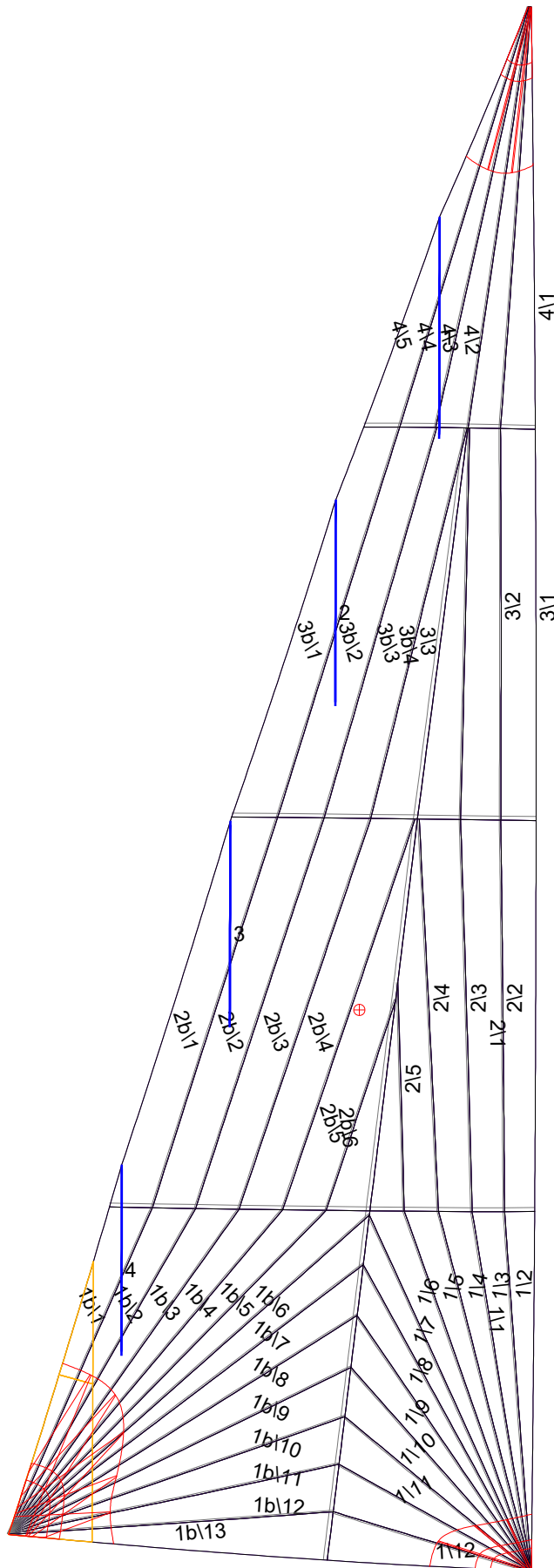
Battens

Position	Length	Roach	Angle	Luff	Leech	Full
82.000%	2.100m	0.203m	161.119?	94.012m	12.729m	
62.000%	1.950m	0.275m	161.119?	181.747m	9.624m	
42.000%	1.950m	0.227m	161.119?	269.481m	6.520m	
21.500%	1.800m	0.130m	161.119?	359.410m	3.337m	

Luff Curve

		Fanned Luff (@ 5.00% [0.251m])	Before BSeam
15.050m,	0.000m	100% (15.050m) :	0.000m
13.174m,	-0.021m	90% (13.545m) :	0.014m
11.287m,	-0.036m	80% (12.040m) :	0.025m
9.396m,	-0.044m	70% (10.535m) :	0.031m
7.525m,	-0.045m	60% (9.030m) :	0.033m
5.608m,	-0.042m	50% (7.525m) :	0.033m
3.762m,	-0.034m	40% (6.020m) :	0.030m
1.875m,	-0.019m	30% (4.515m) :	0.025m
0.000m,	0.000m	20% (3.010m) :	0.018m
		10% (1.505m) :	0.008m
		0% (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	0.025m	0.025m	0.025m
Cover 2	0.025m	0.025m	0.025m

## 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	8.96
Radial/Vertical	147.68
Bi-Radial Split	11.36

## Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	41.89	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