

# Mainsail: 7000123 Amit -1 Beneteau Oceanis 54 rfmn no bat.des

## Design Info

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Initial Design Date: 8/2/2023  
Boat:

Client:

## Design File:

F:\Dropbox\Dropbox-20221019\Dropbox20221213\Dropbox\Fareast Sails\2023 Order\Need Confrim Order\7000123 Ar

Comments:

## Design Data

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### Main

#### Measurements

Luff geodesic:	18.900m
Leech geodesic:	19.488m
Foot geodesic:	6.330m
Head geodesic:	0.033m
Upper width (MUW):	0.704m
Three-quarter width (MTW):	1.417m
Half width (MHW):	2.988m
Quarter width (MQW):	4.637m
Foot median:	18.982m
ORC Mainsail area:	57.706m?
Surface area:	57.200m?
Clew height:	0.500m
Mast rake:	0.000m

#### Luff Curve

18.900m,	0.000m
16.545m,	-0.026m
14.175m,	-0.045m
11.799m,	-0.055m
9.450m,	-0.057m
7.042m,	-0.052m
4.725m,	-0.042m
2.355m,	-0.024m
0.000m,	0.000m

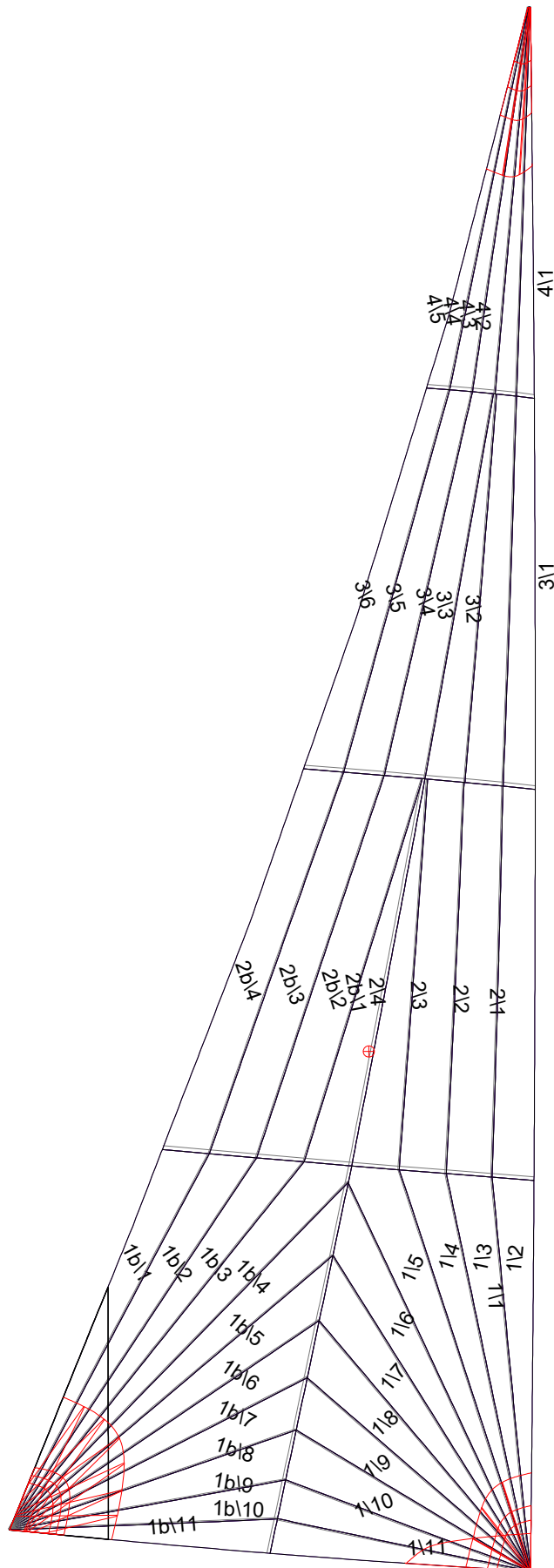
#### Fanned Luff (@ 5.00% [0.315m])

100% (18.900m) :	-0.000m
90% (17.010m) :	0.016m
80% (15.120m) :	0.030m
70% (13.230m) :	0.039m
60% (11.340m) :	0.043m
50% (9.450m) :	0.042m
40% (7.560m) :	0.038m
30% (5.670m) :	0.031m
20% (3.780m) :	0.022m
10% (1.890m) :	0.011m
0% (0.000m) :	0.000m

#### Before BSeam

0.000m
0.042m
0.083m
0.118m
0.142m
0.150m
0.143m
0.121m
0.087m
0.044m
0.000m

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## Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1/a	0.038m	0.016m	0.045m
Zone: 1/b	0.038m	0.016m	0.045m
Zone: 2/a	0.038m	0.016m	0.045m
Zone: 2/b	0.038m	0.016m	0.045m
Zone: 3	0.038m	0.016m	0.045m
Zone: 4	0.038m	0.016m	0.045m
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	8.97
Radial/Vertical	160.28
Bi-Radial Split	9.79

## Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	57.31	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1\9,1\10 1\11,1b\1,1b\2,1b\3,1b\4 1b\5,1b\6,1b\7,1b\8,1b\9 1b\10,1b\11,2\1,2\2,2\3 2\4,2b\1,2b\2,2b\3,2b\4 3\1,3\2,3\3,3\4,3\5 3\6,4\1,4\2,4\3,4\4 4\5