

# Genoa: 7000123 Amit -2 Beneteau Oceanis 54 GenoaV1.des Fareast Sails/Michael

Design Info  
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Design File:  
\\Nas\工程部-专用文件\Queenie-跟进客户\Fareast Sails\2023 Order\Need Confrim Order\7000123 Amit\7000123 Amit

Initial Design Date: 7/3/2023  
Boat:  
Beneteau Oceanis 54  
Client:  
Fareast Sails/Michael

Comments:  
Beneteau Oceanis 54, Fractional rig, Furlgenoa, Tri-radial cut  
Material 10.88oz contender Pro Warp Tech  
I=18.9m, J=6.22m  
Luff=18.85m, leech=17.85m, foot=9.17m  
Hollow leech,  
Radial seam=15mm, Horizontal seam=45mm,  
vertical seam=38mm

Design Data  
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Genoa

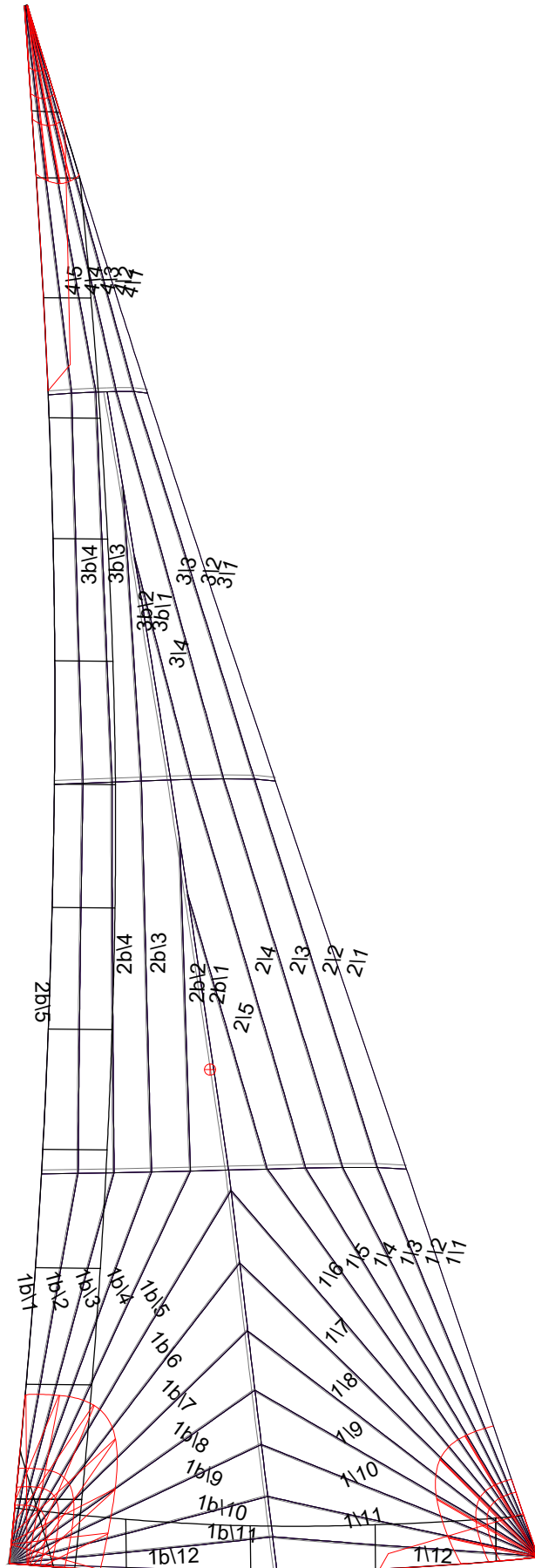
Measurements

Luff geodesic: 18.850m  
Leech geodesic: 18.050m  
Foot geodesic: 6.220m  
Headboard width: 0.035m  
Luff perpendicular (HLP): 5.986m  
Upper width (HUW): 0.604m  
Three-quarter width (HTW): 1.208m  
Half width (HHW): 2.619m  
Quarter width (HQW): 4.247m  
Foot median: 18.351m  
ORC Headsail area: 52.628m?  
IRC Headsail area: 52.415m?  
Surface area: 52.462m?  
Forestay height: 18.900m  
J: 6.220m

Luff Curve

		Fanned Luff (@ 5.00% [0.305m])	Before BSeam
18.846m,	0.000m	100% (18.847m) :	0.000m -0.000m
17.280m,	0.064m	90% (16.960m) :	-0.069m -0.023m
15.548m,	0.116m	80% (15.080m) :	-0.119m -0.033m
14.024m,	0.142m	70% (13.193m) :	-0.143m -0.027m
12.251m,	0.152m	60% (11.309m) :	-0.145m -0.008m
9.379m,	0.134m	50% (9.424m) :	-0.132m 0.016m
6.125m,	0.091m	40% (7.539m) :	-0.109m 0.040m
3.186m,	0.045m	30% (5.654m) :	-0.082m 0.058m
0.000m,	0.000m	20% (3.770m) :	-0.054m 0.061m
		10% (1.883m) :	-0.027m 0.041m
		0% (0.000m) :	-0.000m 0.000m

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## Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.038m	0.015m	0.045m
Zone: 1/b	0.038m	0.015m	0.045m
Zone: 2/a	0.038m	0.015m	0.045m
Zone: 2/b	0.038m	0.015m	0.045m
Zone: 3/a	0.038m	0.015m	0.045m
Zone: 3/b	0.038m	0.015m	0.045m
Zone: 4	0.038m	0.015m	0.045m
Cover 1	0.025m	0.025m	0.025m
Cover 2	0.025m	0.025m	0.025m
Cover 3	0.000m	0.000m	0.000m
Cover 4	0.000m	0.000m	0.000m

## Edge Excesses

	Luff	Leech	Foot
Sail:	0.000m	0.000m	0.000m
Cover 0	0.070m	0.100m	0.070m
Cover 1	0.070m	0.070m	0.070m
Cover 2	0.000m	0.070m	0.070m
Cover 3	0.000m	0.070m	0.070m

## Total Seam Lengths (m)

Horizontal	8.43
Radial/Vertical	173.31
Bi-Radial Split	14.33

## Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	54.97	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\12,2\1 2\2,2\3,2\4,2\5,2b\1 2b\2,2b\3,2b\4,2b\5,3\1 3\2,3\3,3\4,3b\1,3b\2 3b\3,3b\4,4\1,4\2,4\3 4\4,4\5