

Mainsail: 7000123 Amit -1 Beneteau Oceanis 54 rfmn no bat V1.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,Furlmain no batten, Tri-radial cut
Material 10.88oz contender Pro Warp Tech
P=19m, E=6.35m, loose foot
Luff=18.9m, leech=19.49m, foot=6.33m
Hollow leech,
Radial seam=15mm, Horizontal seam=45mm,
vertical seam=38mm

Design Data
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Main

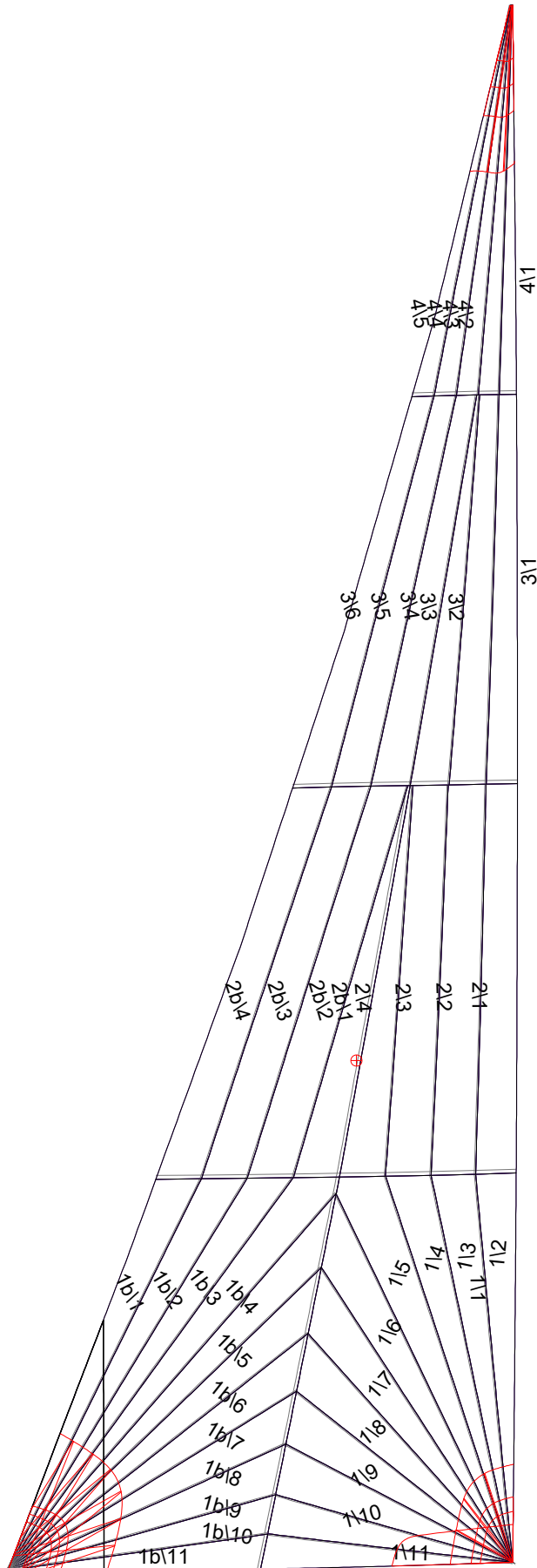
Measurements

Luff geodesic:	18.900m
Leech geodesic:	20.000m
Foot geodesic:	6.150m
Head geodesic:	0.033m
Upper width (MUW):	0.687m
Three-quarter width (MTW):	1.383m
Half width (MHW):	2.911m
Quarter width (MQW):	4.510m
Foot median:	19.260m
ORC Mainsail area:	56.153m?
Surface area:	55.628m?
Clew height:	-0.097m
Mast rake:	0.000m

Luff Curve

		Fanned Luff (@ 5.00% [0.307m])	Before BSeam
18.900m,	0.000m	100% (18.900m) :	0.000m
16.545m,	-0.026m	90% (17.010m) :	0.016m
14.175m,	-0.045m	80% (15.120m) :	0.082m
11.799m,	-0.055m	70% (13.230m) :	0.115m
9.450m,	-0.057m	60% (11.340m) :	0.139m
7.042m,	-0.052m	50% (9.450m) :	0.147m
4.725m,	-0.042m	40% (7.560m) :	0.140m
2.355m,	-0.024m	30% (5.670m) :	0.118m
0.000m,	0.000m	20% (3.780m) :	0.085m
		10% (1.890m) :	0.043m
		0% (0.000m) :	0.000m

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Seam Allowances

	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	8.72
Radial/Vertical	160.64
Bi-Radial Split	9.93

Materials

Material	Area (m ²)	Panels
Material 1	55.74	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