

Genoa: 7000123 Amit -2 Beneteau Oceanis 54 GenoaV2.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: 8/3/2023
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=18.05m, foot=9.2m
Hollow leech,Radial patch
Radial seam=16mm, Horizontal seam=45mm,
vertical seam=45mm

Design Data
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Genoa

Measurements

Luff geodesic:	18.850m
Leech geodesic:	18.050m
Foot geodesic:	9.200m
Headboard width:	0.035m
Luff perpendicular (HLP):	8.798m
Upper width (HUW):	0.919m
Three-quarter width (HTW):	1.889m
Half width (HHW):	4.077m
Quarter width (HQW):	6.462m
Foot median:	18.229m
ORC Headsail area:	79.655m?
IRC Headsail area:	79.124m?
Surface area:	80.560m?
Forestay height:	18.900m
J:	6.220m

Luff Curve

18.846m,	0.000m
17.280m,	0.064m
15.548m,	0.116m
14.024m,	0.142m
12.251m,	0.152m
9.379m,	0.134m
6.125m,	0.091m
3.186m,	0.045m
0.000m,	0.000m

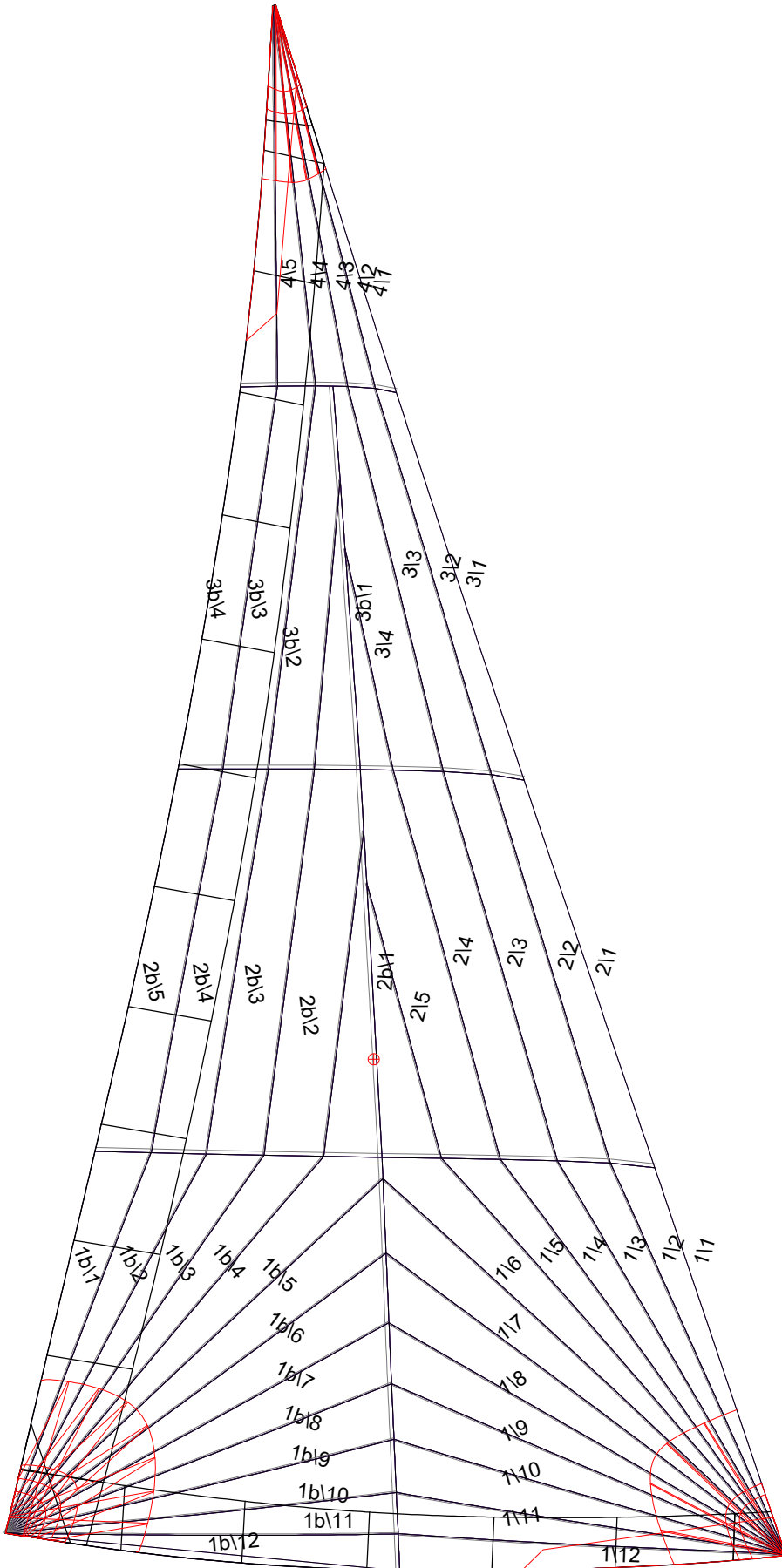
Fanned Luff (@ 5.00% [0.451m])

100% (18.847m) :	0.000m
90% (16.961m) :	-0.068m
80% (15.080m) :	-0.118m
70% (13.194m) :	-0.142m
60% (11.309m) :	-0.145m
50% (9.424m) :	-0.132m
40% (7.539m) :	-0.109m
30% (5.654m) :	-0.082m
20% (3.770m) :	-0.054m
10% (1.884m) :	-0.027m
0% (0.000m) :	-0.000m

Before BSeam

0.000m
-0.001m
0.007m
0.029m
0.059m
0.089m
0.114m
0.128m
0.118m
0.071m
0.000m

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Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.045m	0.016m	0.045m
Zone: 1/b	0.045m	0.016m	0.045m
Zone: 2/a	0.045m	0.016m	0.045m
Zone: 2/b	0.045m	0.016m	0.045m
Zone: 3/a	0.045m	0.016m	0.045m
Zone: 3/b	0.045m	0.016m	0.045m
Zone: 4	0.045m	0.016m	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	13.07
Radial/Vertical	193.80
Bi-Radial Split	14.20

Materials

Material	Area (m ²)	Panels
Material 1	84.89	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, 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