

Genoa: 8001029 Antoine-2 Beneteau First310 hanksjibV3.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8001029 Antoine E

Initial Design Date: 22/11/2024
Boat:
Beneteau First 310
Client:

Comments:

Design Data
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Genoa

Measurements

Luff geodesic:	8.400m
Leech geodesic:	7.739m
Foot geodesic:	3.247m
Headboard width:	0.050m
Luff perpendicular (HLP):	3.000m
Upper width (HUW):	0.349m
Three-quarter width (HTW):	0.667m
Half width (HHW):	1.373m
Quarter width (HQW):	2.163m
Foot median:	8.016m
ORC Headsail area:	12.080m ²
IRC Headsail area:	12.043m ²
Surface area:	12.222m ²
Forestay height:	11.290m
J:	3.300m

Draft Stripes

1, Luff: 2.784m ; Leech: 2.301m ;
2, Luff: 5.563m ; Leech: 4.971m ;

Luff Slides

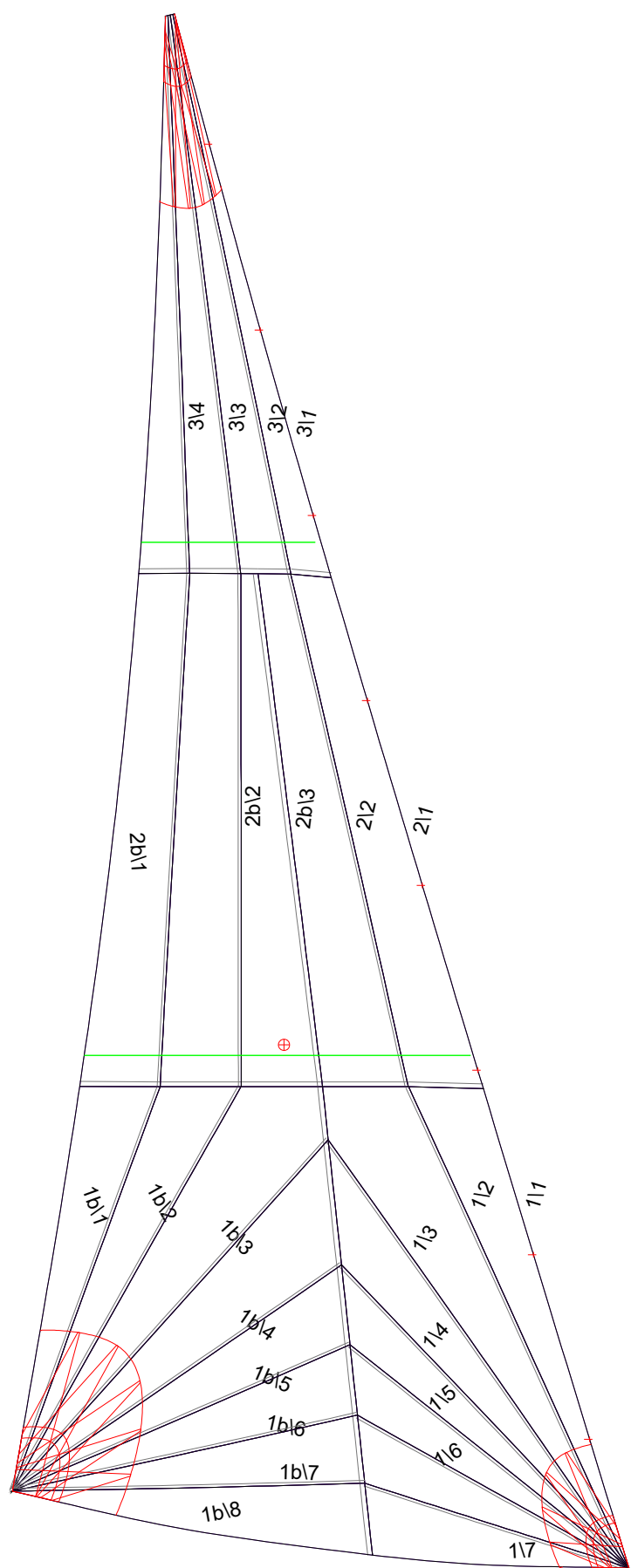
1, Position: 0.700m
2, Position: 1.700m
3, Position: 2.700m
4, Position: 3.700m
5, Position: 4.700m
6, Position: 5.700m
7, Position: 6.700m
8, Position: 7.700m

Luff Curve

8.398m,	0.000m
7.700m,	0.028m
6.929m,	0.052m
6.249m,	0.063m
5.459m,	0.068m
4.179m,	0.060m
2.729m,	0.040m
1.420m,	0.020m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.160m])		Before BSeam
100% (8.399m) :	0.000m	0.000m
90% (7.559m) :	-0.030m	-0.010m
80% (6.720m) :	-0.053m	-0.014m
70% (5.879m) :	-0.064m	-0.011m
60% (5.040m) :	-0.066m	-0.004m
50% (4.200m) :	-0.061m	0.003m
40% (3.360m) :	-0.052m	0.009m
30% (2.520m) :	-0.040m	0.011m
20% (1.680m) :	-0.028m	0.011m
10% (0.839m) :	-0.015m	0.007m
0% (0.000m) :	0.000m	0.000m

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Seam Allowances			
	Split	Radial	Cross
Zone: 1/a	0.025m	0.015m	0.025m
Zone: 1/b	0.025m	0.015m	0.025m
Zone: 2/a	0.025m	0.015m	0.025m
Zone: 2/b	0.025m	0.015m	0.025m
Zone: 3	0.025m	0.015m	0.025m

Edge Excesses			
Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

Total Seam Lengths (m)	
Horizontal	3.22
Radial/Vertical	44.53
Bi-Radial Split	5.29

Materials		
Material	Area (m²)	Panels
Material 1	12.21	1i1,1i2,1i3,1i4,1i5 1i6,1i7,1b1,1b2,1b3 1b4,1b5,1b6,1b7,1b8 2i1,2i2,2b3,2b2,2b1 3i1,3i2,3i3,3i4