

# Genoa: 8001029 Antoine-2 Beneteau First310 hanksjib.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: 5/11/2024  
Boat:  
Beneteau First 310  
Client:

Comments:

Design Data  
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## Genoa

### Measurements

Luff geodesic:	8.400m
Leech geodesic:	7.700m
Foot geodesic:	3.439m
Headboard width:	0.050m
Luff perpendicular (HLP):	3.164m
Upper width (HUW):	0.370m
Three-quarter width (HTW):	0.710m
Half width (HHW):	1.458m
Quarter width (HQW):	2.288m
Foot median:	7.980m
ORC Headsail area:	12.782m?
IRC Headsail area:	12.744m?
Surface area:	12.938m?
Forestay height:	11.290m
J:	3.300m

### Draft Stripes

1, Luff: 2.784m ; Leech: 2.246m ;  
2, Luff: 5.563m ; Leech: 4.925m ;

### Luff Slides

1, Position: 0.500m  
2, Position: 1.260m  
3, Position: 2.020m  
4, Position: 2.780m  
5, Position: 3.540m  
6, Position: 4.300m  
7, Position: 5.060m  
8, Position: 5.820m  
9, Position: 6.580m  
10, Position: 7.340m  
11, Position: 8.100m

### Luff Curve

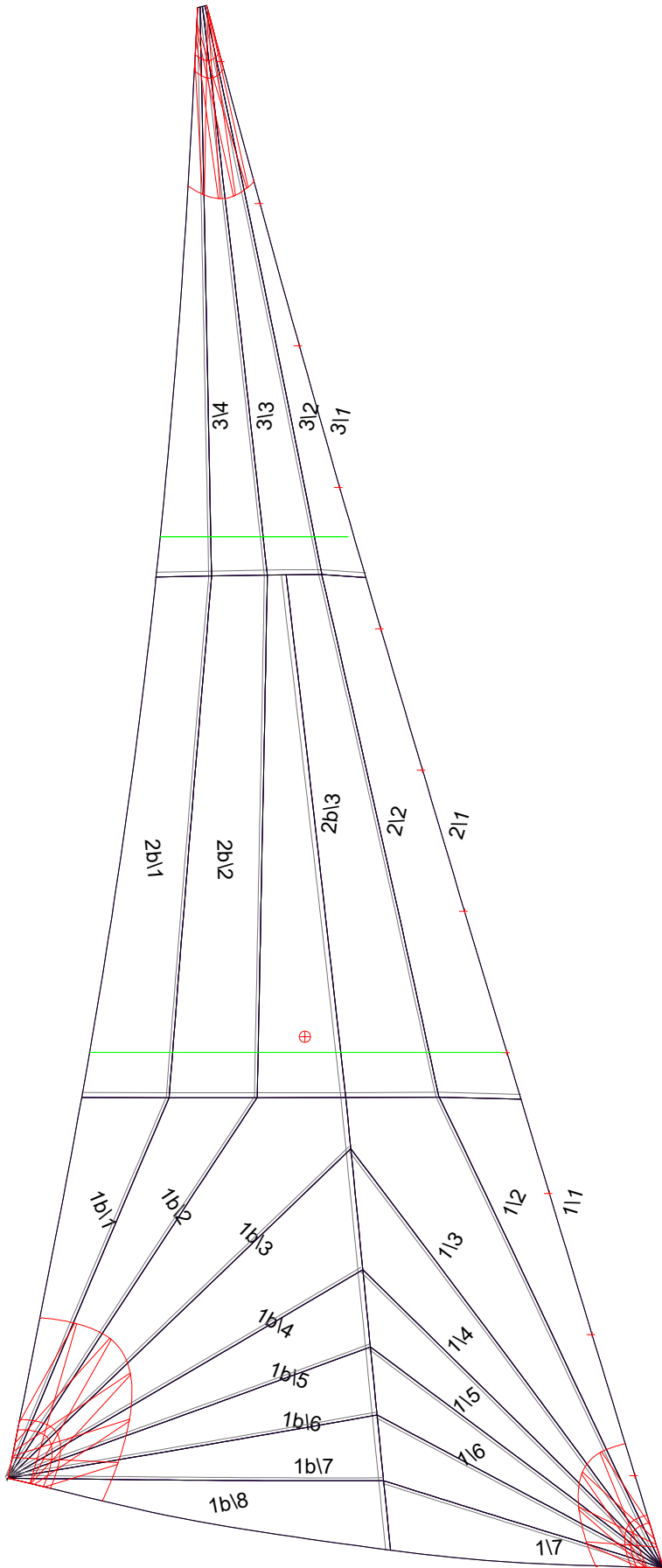
8.398m,	0.000m
7.700m,	0.028m
6.929m,	0.052m
6.249m,	0.063m
5.459m,	0.068m
4.179m,	0.060m
2.729m,	0.040m
1.420m,	0.020m
0.000m,	0.000m

### Fanned Luff (@ 5.00% [0.169m])

100% (8.399m) :	0.000m	-0.000m
90% (7.559m) :	-0.030m	-0.008m
80% (6.720m) :	-0.053m	-0.011m
70% (5.879m) :	-0.064m	-0.008m
60% (5.040m) :	-0.066m	-0.001m
50% (4.200m) :	-0.061m	0.007m
40% (3.360m) :	-0.052m	0.012m
30% (2.520m) :	-0.041m	0.014m
20% (1.680m) :	-0.028m	0.013m
10% (0.839m) :	-0.015m	0.008m
0% (0.000m) :	0.000m	0.000m

### Before BSeam

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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	3.49
Radial/Vertical	45.05
Bi-Radial Split	5.22

## Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	12.93	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1b\1,1b\2,1b\3 1b\4,1b\5,1b\6,1b\7,1b\8 2\1,2\2,2b\3,2b\2,2b\1 3\1,3\2,3\3,3\4