

Genoa: 8001029 Antoine-2 Beneteau First310 hanksjibV2.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: 20/11/2024
Boat:
Beneteau First 310
Client:

Comments:

Design Data
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Genoa

Measurements

Luff geodesic:	8.400m
Leech geodesic:	8.146m
Foot geodesic:	4.696m
Headboard width:	0.050m
Luff perpendicular (HLP):	4.455m
Upper width (HUW):	0.535m
Three-quarter width (HTW):	1.046m
Half width (HHW):	2.128m
Quarter width (HQW):	3.279m
Foot median:	8.068m
ORC Headsail area:	18.316m ²
IRC Headsail area:	18.270m ²
Surface area:	18.534m ²
Forestay height:	11.290m
J:	3.300m

Draft Stripes

1, Luff: 2.784m ; Leech: 2.521m ;
2, Luff: 5.563m ; Leech: 5.287m ;

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% [0.232m])		Before BSeam
100% (8.399m) :	0.000m	0.000m
90% (7.559m) :	-0.028m	0.001m
80% (6.720m) :	-0.051m	0.004m
70% (5.879m) :	-0.062m	0.011m
60% (5.040m) :	-0.065m	0.020m
50% (4.200m) :	-0.061m	0.028m
40% (3.360m) :	-0.053m	0.032m
30% (2.520m) :	-0.042m	0.031m
20% (1.680m) :	-0.030m	0.026m
10% (0.839m) :	-0.016m	0.015m
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	4.91
Radial/Vertical	52.07
Bi-Radial Split	5.28

Materials

Material	Area (m ²)	Panels
Material 1	18.52	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

