

Genoa: 7001224 Bruce-2 Beneteau First310 Headsail.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need to be Confirmed\7001224 Bruce\700

Initial Design Date: 14/5/2018
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	10.770m
Leech geodesic:	10.164m
Foot geodesic:	4.363m
Headboard width:	0.033m
Luff perpendicular (HLP):	4.125m
Upper width (HUW):	0.450m
Three-quarter width (HTW):	0.893m
Half width (HHW):	1.895m
Quarter width (HQW):	2.991m
Foot median:	10.372m
ORC Headsail area:	21.250m?
IRC Headsail area:	21.168m?
Surface area:	21.373m?
Forestay height:	11.290m
J:	3.300m

Draft Stripes

- 1, Luff: 3.569m ; Leech: 3.171m ;
- 2, Luff: 7.133m ; Leech: 6.605m ;

Luff Curve

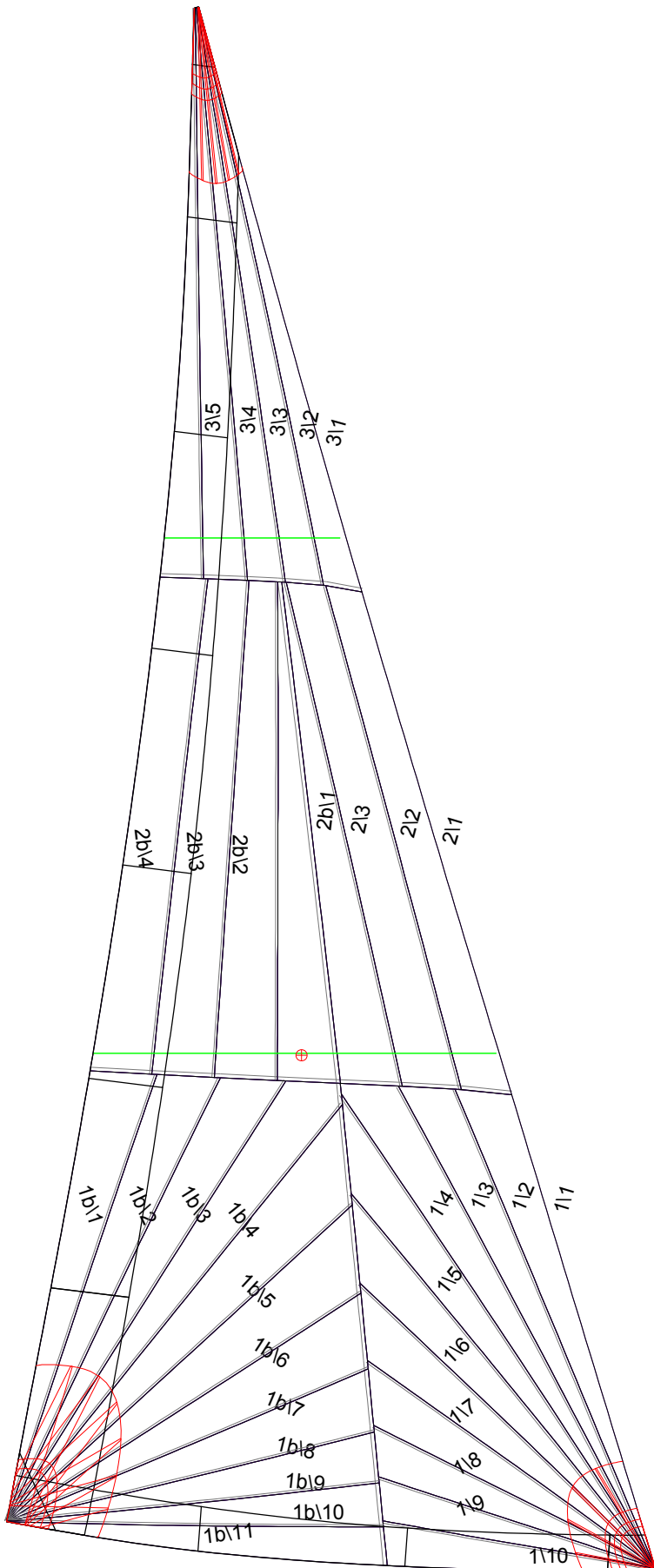
10.768m,	0.000m
9.873m,	0.036m
8.883m,	0.066m
8.012m,	0.081m
6.999m,	0.087m
5.359m,	0.076m
3.500m,	0.052m
1.820m,	0.026m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.215m])

100% (10.768m) :	-0.000m	0.000m
90% (9.691m) :	-0.040m	-0.004m
80% (8.616m) :	-0.069m	-0.003m
70% (7.538m) :	-0.084m	0.003m
60% (6.461m) :	-0.086m	0.011m
50% (5.384m) :	-0.078m	0.019m
40% (4.308m) :	-0.065m	0.025m
30% (3.230m) :	-0.050m	0.027m
20% (2.154m) :	-0.033m	0.023m
10% (1.076m) :	-0.017m	0.015m
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
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	0.070m	0.070m
Cover 1	0.070m	0.070m	0.070m
Cover 2	0.000m	0.000m	0.000m
Cover 3	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	4.38
Radial/Vertical	87.42
Bi-Radial Split	6.76

Materials

Material	Area (m ²)	Panels
D5.2M	21.40	1i1,1i2,1i3,1i4,1i5 1i6,1i7,1i8,1i9,1i10 1b1,1b2,1b3,1b4,1b5 1b6,1b7,1b8,1b9,1b10 1b11,2i1,2i2,2i3,2b1 2b2,2b3,2b4,3i1,3i2 3i3,3i4,3i5