

# Genoa: 7001115 Franck-3 Beneteau First 22 hanks Headsail.des

Design Info  
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Design File:  
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need to be Confirmed\7001115 Franck\70

Initial Design Date: 13/12/2023  
Boat:

Comments:

Client:

Design Data  
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Genoa

Measurements

Luff geodesic:	7.600m
Leech geodesic:	7.500m
Foot geodesic:	4.120m
Headboard width:	0.053m
Luff perpendicular (HLP):	3.967m
Upper width (HUW):	0.470m
Three-quarter width (HTW):	0.916m
Half width (HHW):	1.881m
Quarter width (HQW):	2.917m
Foot median:	7.398m
ORC Headsail area:	14.707m?
IRC Headsail area:	14.652m?
Surface area:	14.853m?
Forestay height:	7.300m
J:	2.670m

Draft Stripes

1, Luff: 2.521m ; Leech: 2.630m ;  
2, Luff: 5.038m ; Leech: 5.017m ;

Luff Slides

1, Position: 0.450m  
2, Position: 1.140m  
3, Position: 1.830m  
4, Position: 2.520m  
5, Position: 3.210m  
6, Position: 3.900m  
7, Position: 4.590m  
8, Position: 5.280m  
9, Position: 5.970m  
10, Position: 6.660m  
11, Position: 7.350m

Luff Curve

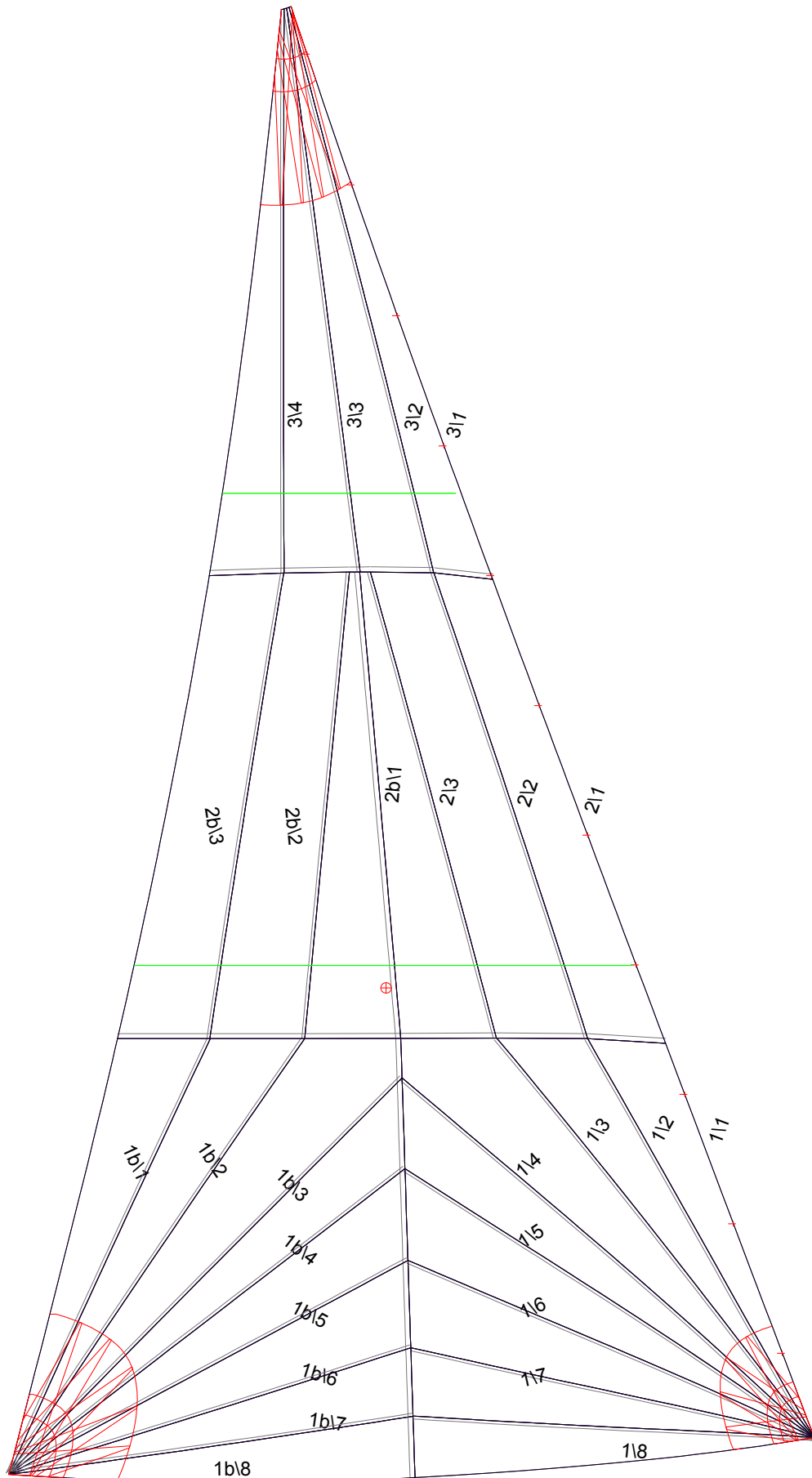
7.599m,	0.000m
6.967m,	0.026m
6.269m,	0.047m
5.654m,	0.057m
4.939m,	0.061m
3.781m,	0.054m
2.470m,	0.037m
1.284m,	0.018m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.201m])

100% (7.599m) :	0.000m	0.000m
90% (6.838m) :	-0.029m	-0.002m
80% (6.080m) :	-0.050m	0.001m
70% (5.319m) :	-0.060m	0.011m
60% (4.560m) :	-0.061m	0.023m
50% (3.800m) :	-0.055m	0.034m
40% (3.040m) :	-0.046m	0.041m
30% (2.280m) :	-0.036m	0.043m
20% (1.520m) :	-0.024m	0.036m
10% (0.759m) :	-0.012m	0.021m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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## Seam Allowances

Zone:	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
Sail:	0.000m	0.000m	0.000m

## Total Seam Lengths (m)

Horizontal	4.40
Radial/Vertical	52.05
Bi-Radial Split	4.67

## Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	14.87	1/1,1/2,1/3,1/4,1/5 1/6,1/7,1/8,1b/1,1b/2 1b/3,1b/4,1b/5,1b/6,1b/7 1b/8,2/1,2/2,2/3,2b/1 2b/2,2b/3,3/1,3/2,3/3 3/4