

# Genoa: 8001006 Bruno Hanse 315 125% furlgenl.des

Design Info  
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Design File:  
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8001006 Bruno HA

Initial Design Date: 9/10/2024  
Boat:  
HANSE 315  
Client:

Comments:

Design Data  
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## Genoa

### Measurements

Luff geodesic:	11.430m
Leech geodesic:	10.759m
Foot geodesic:	4.580m
Headboard width:	0.030m
Luff perpendicular (HLP):	4.338m
Upper width (HUW):	0.470m
Three-quarter width (HTW):	0.942m
Half width (HHW):	2.010m
Quarter width (HQW):	3.158m
Foot median:	10.991m
ORC Headsail area:	23.793m?
IRC Headsail area:	23.701m?
Surface area:	23.862m?
Forestay height:	12.170m
J:	3.470m

### Draft Stripes

1, Luff: 3.788m ; Leech: 3.323m ;  
2, Luff: 7.569m ; Leech: 6.976m ;

### Luff Curve

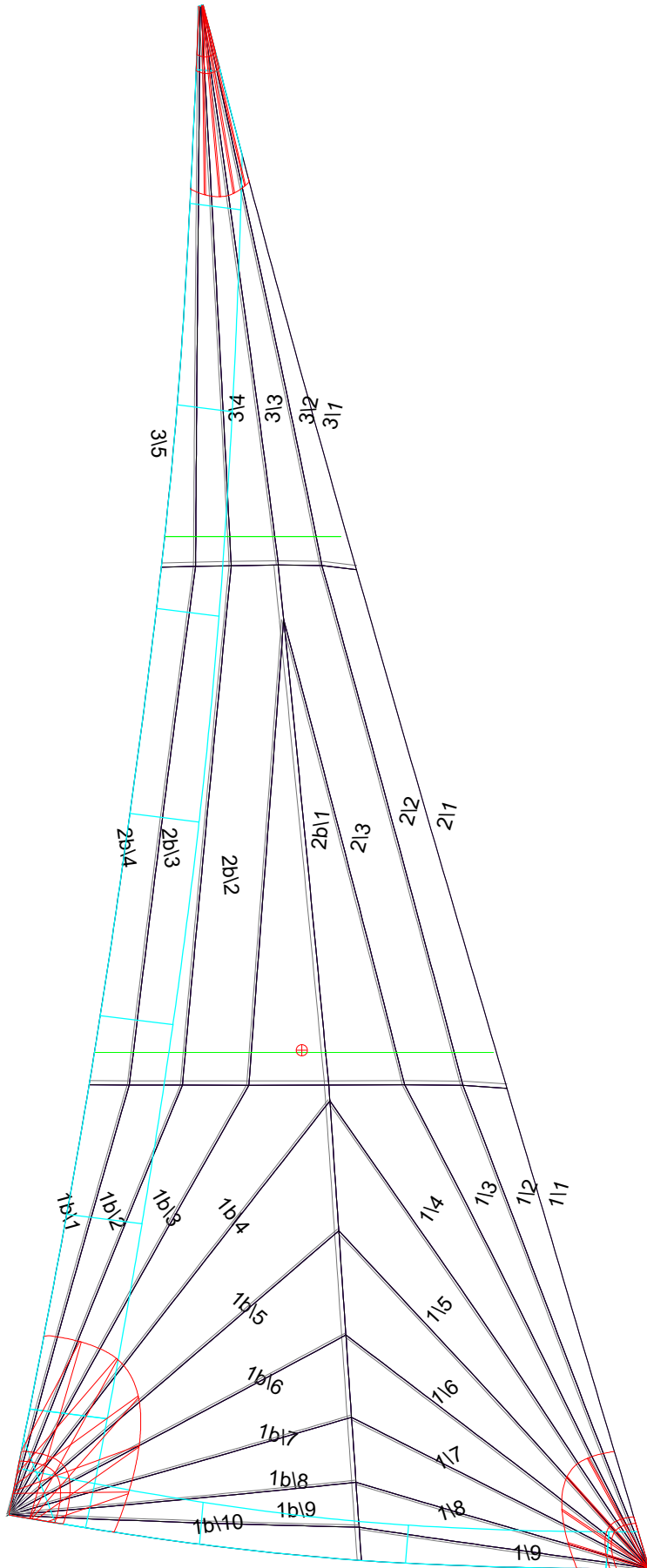
11.428m,	0.000m
10.478m,	0.039m
9.428m,	0.070m
8.503m,	0.086m
7.428m,	0.092m
5.687m,	0.081m
3.714m,	0.055m
1.932m,	0.028m
0.000m,	0.000m

### Fanned Luff (@ 5.00% [0.225m])

100% (11.428m) :	0.000m	0.000m
90% (10.285m) :	-0.045m	-0.009m
80% (9.144m) :	-0.077m	-0.006m
70% (8.000m) :	-0.091m	0.008m
60% (6.857m) :	-0.092m	0.022m
50% (5.714m) :	-0.084m	0.037m
40% (4.571m) :	-0.071m	0.048m
30% (3.428m) :	-0.055m	0.052m
20% (2.286m) :	-0.038m	0.046m
10% (1.142m) :	-0.021m	0.025m
0% (0.000m) :	0.000m	0.000m

### Before BSeam

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## Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.030m	0.015m	0.030m
Zone: 1/b	0.030m	0.015m	0.030m
Zone: 2/a	0.030m	0.015m	0.030m
Zone: 2/b	0.030m	0.015m	0.030m
Zone: 3	0.030m	0.015m	0.030m
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	4.60
Radial/Vertical	85.26
Bi-Radial Split	7.31

## Materials

Material	Area (m <sup>2</sup> )	Panels
Material 2	23.92	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1\9,1b\1 1b\2,1b\3,1b\4,1b\5,1b\6 1b\7,1b\8,1b\9,1b\10,2\1 2\2,2\3,2b\1,2b\2,2b\3 2b\4,3\1,3\2,3\3,3\4 3\5