

# Genoa: 8000713 Simon Farr 38 HeadsailV1.des

Design Info  
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Design File:  
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000713 Simon Farr

Initial Design Date: 1/8/2024  
Boat:  
Farr 38  
Client:

Comments:

Design Data  
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## Genoa

### Measurements

Luff geodesic:	12.020m
Leech geodesic:	11.230m
Foot geodesic:	4.250m
Headboard width:	0.045m
Luff perpendicular (HLP):	3.981m
Upper width (HUW):	0.451m
Three-quarter width (HTW):	0.879m
Half width (HHW):	1.824m
Quarter width (HQW):	2.873m
Foot median:	11.615m
ORC Headsail area:	22.908m <sup>2</sup>
IRC Headsail area:	22.845m <sup>2</sup>
Surface area:	23.156m <sup>2</sup>
Forestay height:	13.110m
J:	4.060m

### Draft Stripes

1, Luff: 3.980m ; Leech: 3.514m ;  
2, Luff: 7.955m ; Leech: 7.302m ;

### Luff Curve

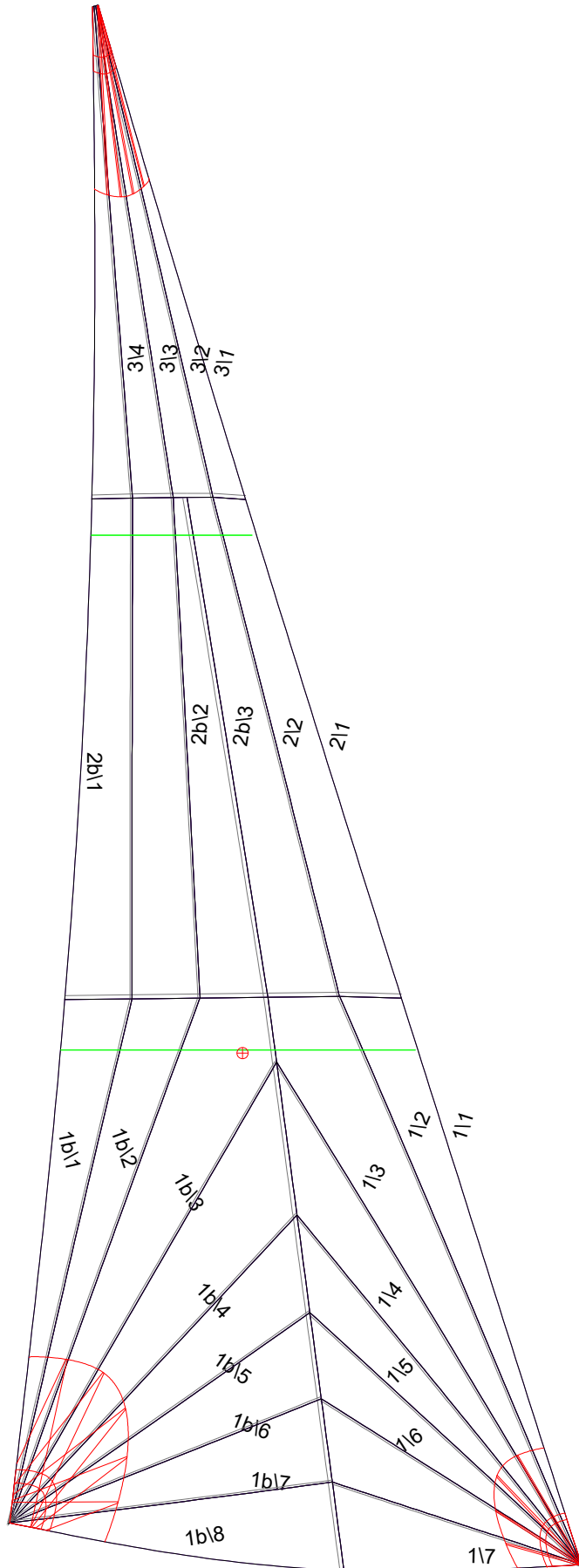
12.019m,	0.000m
11.020m,	0.030m
9.915m,	0.055m
8.943m,	0.067m
7.812m,	0.072m
5.981m,	0.063m
3.906m,	0.043m
2.031m,	0.021m
0.000m,	0.000m

### Fanned Luff (@ 5.00% [0.210m])

100% (12.019m) :	0.000m	0.000m
90% (10.816m) :	-0.031m	-0.007m
80% (9.616m) :	-0.054m	-0.010m
70% (8.413m) :	-0.066m	-0.006m
60% (7.212m) :	-0.068m	0.002m
50% (6.010m) :	-0.063m	0.010m
40% (4.808m) :	-0.054m	0.017m
30% (3.606m) :	-0.042m	0.020m
20% (2.404m) :	-0.029m	0.018m
10% (1.201m) :	-0.016m	0.010m
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

## Edge Excesses

Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

## Total Seam Lengths (m)

Horizontal	3.77
Radial/Vertical	64.44
Bi-Radial Split	8.18

## Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	23.20	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