

Genoa: 8000713 Simon Farr 38 HeadsailV2.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: 6/8/2024
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): 3.983m
Upper width (HUW): 0.604m
Three-quarter width (HTW): 1.128m
Half width (HHW): 2.104m
Quarter width (HQW): 3.055m
Foot median: 11.619m
ORC Headsail area: 24.874m?
IRC Headsail area: 24.904m?
Surface area: 25.372m?
Forestay height: 13.110m
J: 4.060m

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
80.000%	1.200m	0.139m	159.464?	41.348m	8.954m	
60.000%	1.200m	0.141m	159.464?	94.717m	6.716m	
40.000%	1.200m	0.087m	159.464?	148.085m	4.477m	
20.000%	1.200m	0.041m	159.464?	201.453m	2.239m	

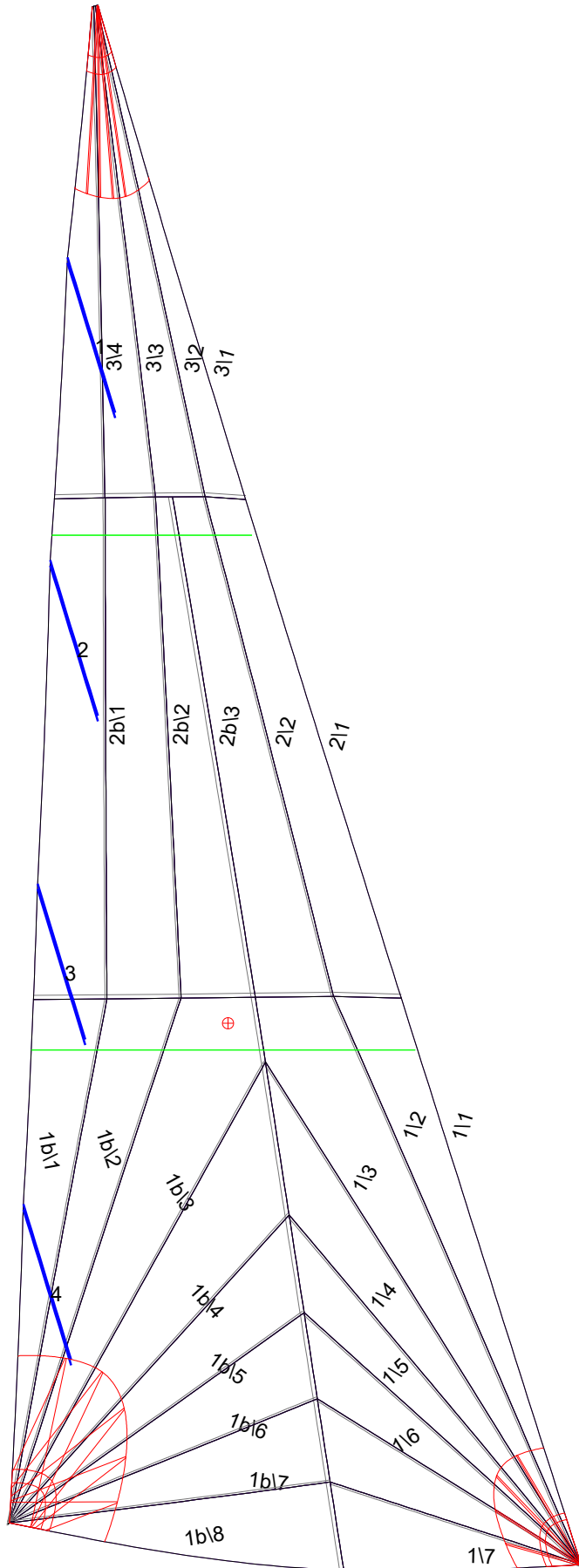
Draft Stripes

1, Luff: 3.980m ; Leech: 3.499m ;
2, Luff: 7.955m ; Leech: 7.286m ;

Luff Curve

		Fanned Luff (@ 5.00% [0.210m])	Before BSeam
12.019m,	0.000m	100% (12.019m) :	-0.000m 0.000m
11.020m,	0.030m	90% (10.816m) :	-0.031m -0.001m
9.915m,	0.055m	80% (9.616m) :	-0.055m 0.001m
8.943m,	0.067m	70% (8.413m) :	-0.068m 0.006m
7.812m,	0.072m	60% (7.212m) :	-0.071m 0.012m
5.981m,	0.063m	50% (6.010m) :	-0.066m 0.018m
3.906m,	0.043m	40% (4.808m) :	-0.057m 0.022m
2.031m,	0.021m	30% (3.606m) :	-0.045m 0.023m
0.000m,	0.000m	20% (2.404m) :	-0.031m 0.019m
		10% (1.201m) :	-0.017m 0.010m
		0% (0.000m) :	0.000m 0.000m

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Seam Allowances

Zone:	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	4.30
Radial/Vertical	64.36
Bi-Radial Split	8.20

Materials

Material	Area (m ²)	Panels
Material 1	25.41	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