

Genoa: 7000121 Kurt Corsair F-31R headsail.des

Design Info

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Design File:

C:\Users\Administrator\Desktop\02-04\0203\7000121 Kurt Corsair F-31R headsail.des

Initial Design Date: 3/2/2023

Boat:

Client:

Comments:

Design Data

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Genoa

Measurements

Luff geodesic:	10.350m
Leech geodesic:	9.235m
Foot geodesic:	4.017m
Headboard width:	0.030m
Luff perpendicular (HLP):	3.584m
Upper width (HUW):	0.349m
Three-quarter width (HTW):	0.704m
Half width (HHW):	1.573m
Quarter width (HQW):	2.551m
Foot median:	9.687m
ORC Headsail area:	17.289m ²
IRC Headsail area:	17.198m ²
Surface area:	17.342m ²
Forestay height:	12.954m
J:	3.554m

Draft Stripes

1, Luff: 3.423m ; Leech: 2.490m ;
2, Luff: 6.844m ; Leech: 5.813m ;

Luff Curve

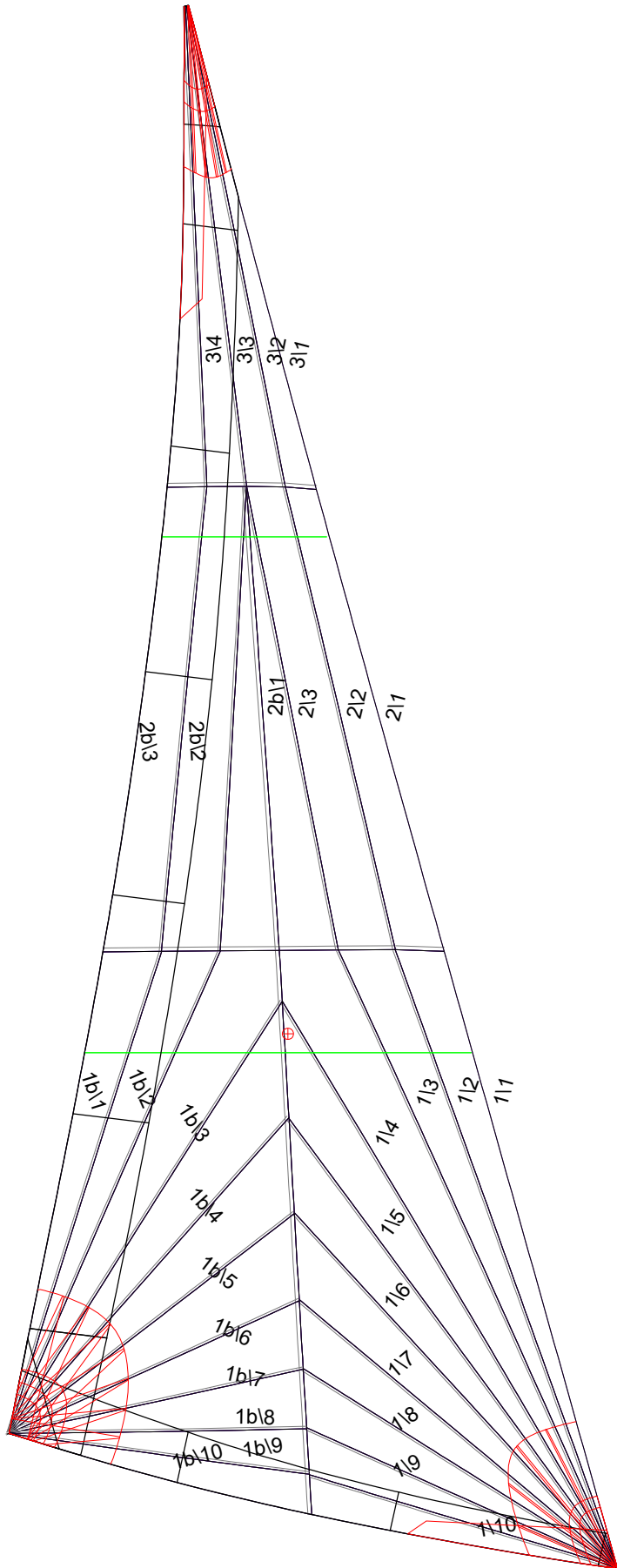
10.349m,	0.000m
9.489m,	0.020m
8.538m,	0.037m
7.701m,	0.045m
6.727m,	0.048m
5.150m,	0.043m
3.364m,	0.029m
1.749m,	0.014m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.194m])

100% (10.350m) :	0.000m	-0.000m
90% (9.315m) :	-0.022m	-0.003m
80% (8.280m) :	-0.038m	-0.003m
70% (7.245m) :	-0.046m	0.001m
60% (6.210m) :	-0.047m	0.008m
50% (5.175m) :	-0.043m	0.015m
40% (4.140m) :	-0.036m	0.019m
30% (3.105m) :	-0.027m	0.019m
20% (2.070m) :	-0.018m	0.016m
10% (1.035m) :	-0.009m	0.011m
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	0.082m	0.082m	0.082m
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	0.230m	0.230m	0.230m
Cover 2	0.000m	0.070m	0.070m
Cover 3	0.000m	0.070m	0.070m

Total Seam Lengths (m)

Horizontal	3.28
Radial/Vertical	73.20
Bi-Radial Split	6.79

Materials

Material	Area (m ²)	Panels
Material 1	17.38	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1\9,1\10 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\3,3\1,3\2,3\3,3\4