

Genoa: 7000121 Kurt Corsair F-31R jib V1.des

Design Info
=====

Design File:
F:\Dropbox\Dropbox-20221019\Dropbox20221213\Dropbox\Fareast Sails\2023 Order\Need Confrim Order\7000121 Ku

Initial Design Date: 3/2/2023
Boat:

Comments:

Client:

Design Data
=====

Genoa

Measurements

Luff geodesic: 10.350m
Leech geodesic: 9.240m
Foot geodesic: 4.022m
Headboard width: 0.030m
Luff perpendicular (HLP): 3.584m
Upper width (HUW): 0.597m
Three-quarter width (HTW): 1.120m
Half width (HHW): 2.001m
Quarter width (HQW): 2.772m
Foot median: 9.699m
ORC Headsail area: 19.816m?
IRC Headsail area: 19.988m?
Surface area: 20.124m?
Forestay height: 12.954m
J: 3.554m

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
75.000%	1.400m	0.224m	157.640?	26.956m	6.892m	
50.000%	1.600m	0.254m	157.640?	63.029m	4.595m	
27.091%	1.600m	0.096m	157.640?	96.085m	2.489m	

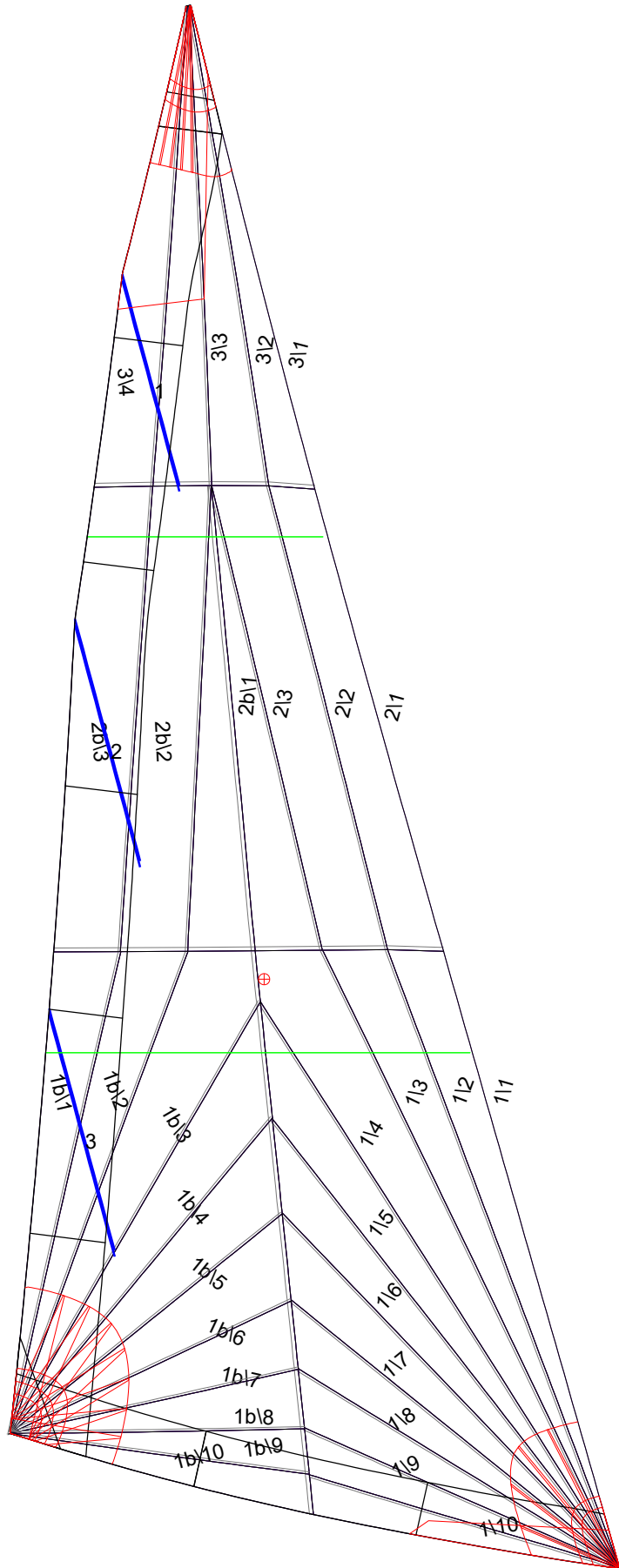
Draft Stripes

1, Luff: 3.429m ; Leech: 2.456m ;
2, Luff: 6.853m ; Leech: 5.758m ;

Luff Curve

		Fanned Luff (@ 5.00% [0.194m])	Before BSeam
10.348m,	0.000m	100% (10.348m) :	-0.000m 0.000m
9.488m,	0.035m	90% (9.313m) :	-0.041m -0.007m
8.537m,	0.063m	80% (8.280m) :	-0.071m -0.010m
7.700m,	0.078m	70% (7.244m) :	-0.085m -0.010m
6.726m,	0.084m	60% (6.209m) :	-0.086m -0.006m
5.150m,	0.073m	50% (5.174m) :	-0.079m -0.001m
3.363m,	0.050m	40% (4.140m) :	-0.066m 0.003m
1.749m,	0.025m	30% (3.105m) :	-0.050m 0.004m
0.000m,	0.000m	20% (2.070m) :	-0.033m 0.005m
		10% (1.034m) :	-0.016m 0.005m
		0% (0.000m) :	0.000m 0.000m

Genoa: 7000121 Kurt Corsair F-31R jib V1.des



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	0.000m	0.000m	0.000m
Cover 2	0.000m	0.000m	0.000m
Cover 3	0.025m	0.025m	0.025m
Cover 4	0.025m	0.025m	0.025m

Edge Excesses

	Luff	Leech	Foot
Sail:	0.000m	0.000m	0.000m
Cover 0	0.000m	0.070m	0.070m
Cover 1	0.000m	0.070m	0.070m
Cover 2	0.070m	0.070m	0.070m
Cover 3	0.070m	0.070m	0.070m

Total Seam Lengths (m)

Horizontal	4.09
Radial/Vertical	73.19
Bi-Radial Split	6.82

Materials

Material	Area (m ²)	Panels
Material 1	20.16	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