

Genoa: 8000606 Henrik-1 Elan40 100% Radialfurljib V1.des

Design Info

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Design File:

\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000606 Henrik E

Comments:

Initial Design Date: 6/7/2024

Boat:

Elan40 100%JIB

Client:

Design Data

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Genoa

Measurements

Luff geodesic: 14.355m
 Leech geodesic: 13.619m
 Foot geodesic: 4.513m
 Headboard width: 0.055m
 Luff perpendicular (HLP): 4.290m
 Upper width (HUW): 0.659m
 Three-quarter width (HTW): 1.225m
 Half width (HHW): 2.276m
 Quarter width (HQW): 3.294m
 Foot median: 13.909m
 ORC Headsail area: 32.079m?
 IRC Headsail area: 32.126m?
 Surface area: 32.361m?
 Forestay height: 15.420m
 J: 4.290m

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
80.000%	1.500m	0.117m	162.030?	47.658m	10.858m	
60.000%	1.350m	0.122m	162.030?	105.849m	8.144m	
40.000%	1.350m	0.081m	162.030?	164.039m	5.429m	
20.000%	1.350m	0.038m	162.030?	222.229m	2.715m	

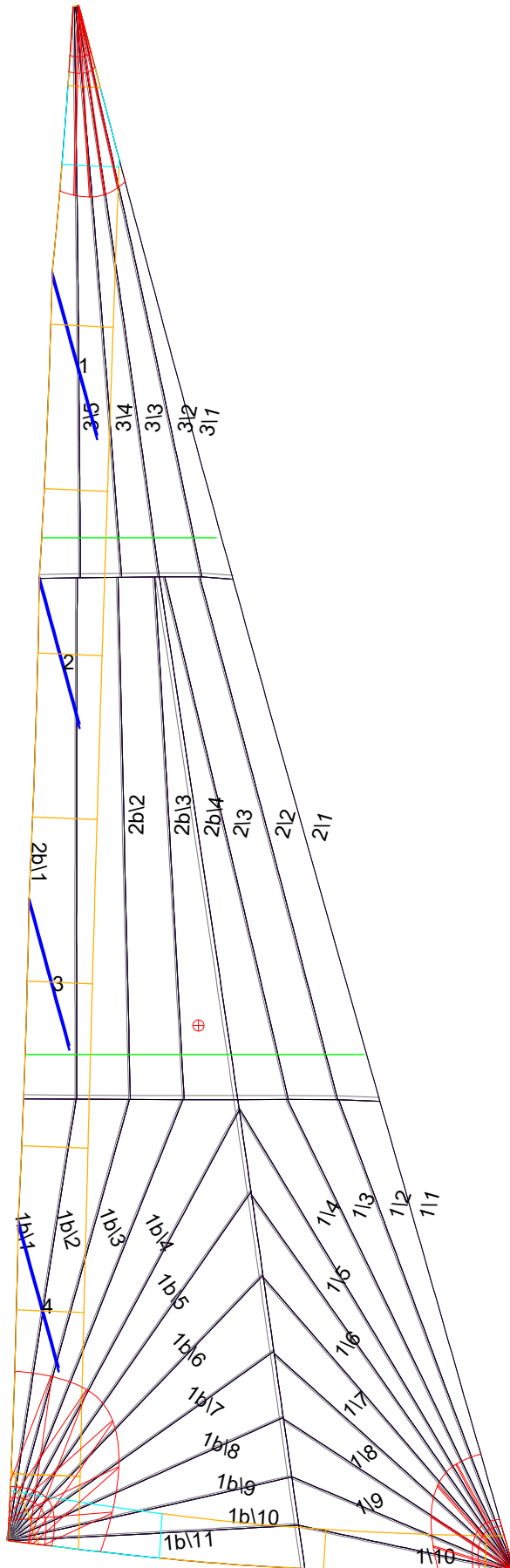
Draft Stripes

1, Luff: 4.752m ; Leech: 4.313m ;
 2, Luff: 9.498m ; Leech: 8.873m ;

Luff Curve

		Fanned Luff (@ 5.00% [0.224m])	Before BSeam
14.353m,	0.000m	100% (14.354m) :	0.000m -0.000m
13.161m,	0.036m	90% (12.918m) :	-0.037m -0.003m
11.842m,	0.066m	80% (11.484m) :	-0.066m -0.003m
10.680m,	0.081m	70% (10.048m) :	-0.081m -0.000m
9.330m,	0.087m	60% (8.613m) :	-0.084m 0.005m
7.143m,	0.076m	50% (7.177m) :	-0.078m 0.011m
4.665m,	0.052m	40% (5.742m) :	-0.067m 0.015m
2.426m,	0.026m	30% (4.306m) :	-0.053m 0.016m
0.000m,	0.000m	20% (2.871m) :	-0.036m 0.014m
		10% (1.435m) :	-0.019m 0.009m
		0% (0.000m) :	0.000m 0.000m

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Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.035m	0.015m	0.035m
Zone: 1/b	0.035m	0.015m	0.035m
Zone: 2/a	0.035m	0.015m	0.035m
Zone: 2/b	0.035m	0.015m	0.035m
Zone: 3	0.035m	0.015m	0.035m
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	0.100m	0.070m
Cover 1	0.070m	0.070m	0.100m
Cover 2	0.000m	0.070m	0.070m
Cover 3	0.000m	0.070m	0.070m

Total Seam Lengths (m)

Horizontal	5.06
Radial/Vertical	109.46
Bi-Radial Split	9.11

Materials

Material	Area (m ²)	Panels
Material 1	32.42	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 1b\11,2\1,2\2,2\3,2b\4 2b\3,2b\2,2b\1,3\1,3\2 3\3,3\4,3\5