

Genoa: 8000606 Henrik-1 Elan40 Headsail.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

Initial Design Date: 20/6/2024
Boat:
Elan40
Client:

Comments:

Design Data
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Genoa

Measurements

Luff geodesic:	14.355m
Leech geodesic:	13.776m
Foot geodesic:	5.826m
Headboard width:	0.045m
Luff perpendicular (HLP):	5.577m
Upper width (HUW):	0.595m
Three-quarter width (HTW):	1.190m
Half width (HHW):	2.577m
Quarter width (HQW):	4.046m
Foot median:	13.930m
ORC Headsail area:	38.285m?
IRC Headsail area:	38.158m?
Surface area:	38.426m?
Forestay height:	15.420m
J:	4.290m

Draft Stripes

1, Luff: 4.756m ; Leech: 4.416m ;
2, Luff: 9.505m ; Leech: 9.010m ;

Luff Curve

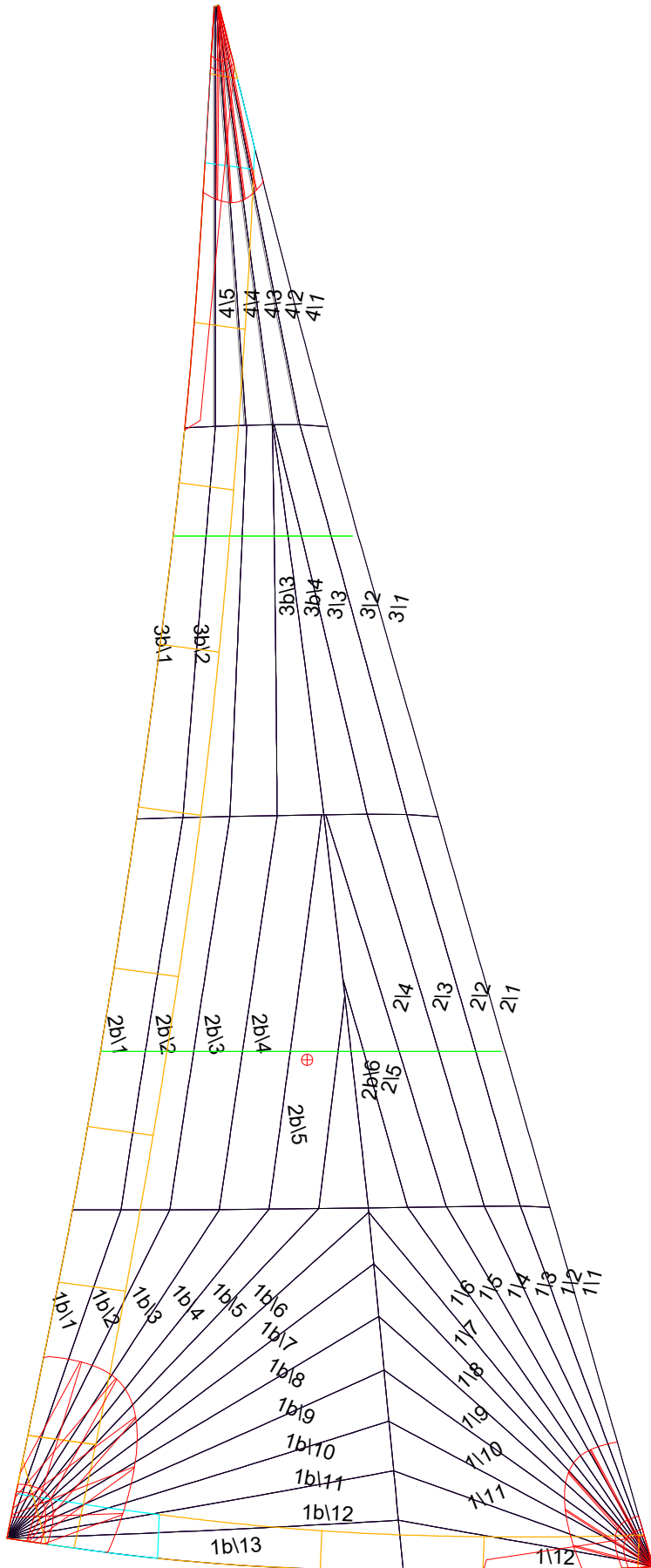
14.352m,	0.000m
13.160m,	0.049m
11.841m,	0.088m
10.679m,	0.108m
9.329m,	0.116m
7.142m,	0.102m
4.664m,	0.069m
2.426m,	0.035m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.286m])

100% (14.352m) :	-0.000m	-0.000m
90% (12.916m) :	-0.055m	-0.024m
80% (11.484m) :	-0.100m	-0.038m
70% (10.047m) :	-0.118m	-0.025m
60% (8.612m) :	-0.115m	0.001m
50% (7.177m) :	-0.103m	0.023m
40% (5.741m) :	-0.085m	0.036m
30% (4.306m) :	-0.064m	0.040m
20% (2.871m) :	-0.043m	0.034m
10% (1.434m) :	-0.022m	0.018m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.000m	0.000m	0.000m
Zone: 1/b	0.000m	0.000m	0.000m
Zone: 2/a	0.000m	0.000m	0.000m
Zone: 2/b	0.000m	0.000m	0.000m
Zone: 3/a	0.000m	0.000m	0.000m
Zone: 3/b	0.000m	0.000m	0.000m
Zone: 4	0.038m	0.015m	0.038m
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	0.00
Radial/Vertical	15.05
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	38.50	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1\9,1\10 1\11,1\12,1b\1,1b\2,1b\3 1b\4,1b\5,1b\6,1b\7,1b\8 1b\9,1b\10,1b\11,1b\12,1b\13 2\1,2\2,2\3,2\4,2\5 2b\6,2b\5,2b\4,2b\3,2b\2 2b\1,3\1,3\2,3\3,3b\4 3b\3,3b\2,3b\1,4\1,4\2 4\3,4\4,4\5