

Genoa: 8000606 Henrik-3 Elan40 100% furljib.des

Design Info
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Initial Design Date: 29/6/2024
Boat:
Elan40
Client:

Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confrimed\8000606 Henrik El

Comments:

Design Data
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Genoa

Measurements

Luff geodesic:	14.355m
Leech geodesic:	12.861m
Foot geodesic:	4.818m
Headboard width:	0.055m
Luff perpendicular (HLP):	4.290m
Upper width (HUW):	0.471m
Three-quarter width (HTW):	0.914m
Half width (HHW):	1.914m
Quarter width (HQW):	3.054m
Foot median:	13.507m
ORC Headsail area:	29.079m?
IRC Headsail area:	29.006m?
Surface area:	29.116m?
Forestay height:	15.420m
J:	4.290m

Draft Stripes

1, Luff: 4.752m ; Leech: 3.565m ;
2, Luff: 9.498m ; Leech: 8.132m ;

Luff Curve

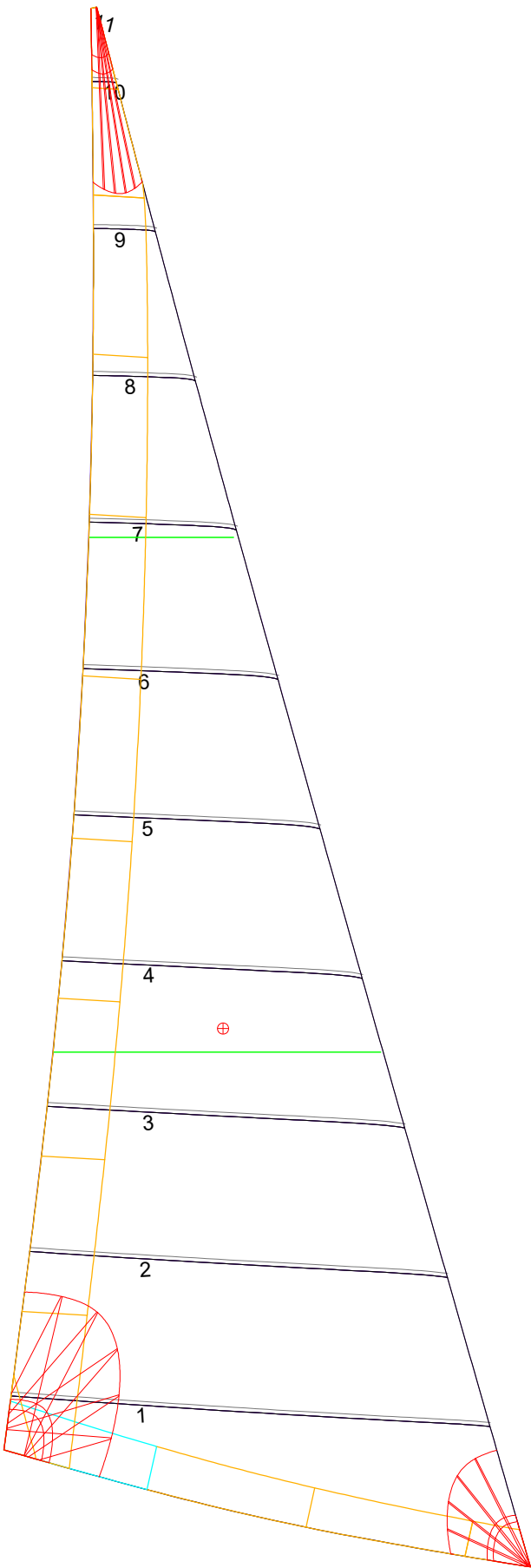
14.353m,	0.000m
13.161m,	0.036m
11.841m,	0.066m
10.680m,	0.081m
9.330m,	0.087m
7.143m,	0.076m
4.665m,	0.052m
2.426m,	0.026m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.233m])

100% (14.354m) :	0.000m
90% (12.919m) :	-0.039m
80% (11.483m) :	-0.068m
70% (10.048m) :	-0.083m
60% (8.613m) :	-0.086m
50% (7.177m) :	-0.079m
40% (5.742m) :	-0.067m
30% (4.306m) :	-0.052m
20% (2.871m) :	-0.036m
10% (1.435m) :	-0.019m
0% (0.000m) :	0.000m

Before BSeam

-0.000m
-0.011m
-0.016m
-0.012m
-0.002m
0.008m
0.016m
0.019m
0.019m
0.014m
0.000m



Seam Allowances			
	Split	Radial	Cross
Zone: 1	0.035m	0.035m	0.035m
Cover 1	0.025m	0.025m	0.025m
Cover 2	0.000m	0.000m	0.000m
Cover 3	0.000m	0.000m	0.000m
Cover 4	0.025m	0.025m	0.025m

Edge Excesses			
	Luff	Leech	Foot
Sail:	0.000m	0.000m	0.000m
Cover 0	0.070m	0.070m	0.100m
Cover 1	0.000m	0.070m	0.070m
Cover 2	0.000m	0.070m	0.070m
Cover 3	0.070m	0.100m	0.070m

Total Seam Lengths (m)

Horizontal	21.46
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m²)	Panels
Material 1	29.20	1,2,3,4,5 6,7,8,9,10 11