

Asymmetric: 8000606 Henrik-2 Elan40 code 0 cablelessV1.des

Design Info =====

Initial Design Date: 29/6/2024
Boat:
Elan40 code zero cable less
Client:

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

Comments:

Design Data =====

Asymmetric

Measurements

Luff length (SLU):	15.103m	
Leech length (SLE):	13.861m	
Foot length (SFL):	8.058m	
Headboard Width:	0.040m	
Three-quarter width:	3.171m	Closest Pt: 2.791m
Half width (SHW):	5.454m	Closest Pt: 4.990m
Quarter width:	7.033m	Closest Pt: 6.620m
ORC Area:	72.103m?	
IRC Area:	71.814m?	
Surface Area:	72.717m?	
Hoist height:	19.850m	
Pole Length:	5.750m	

Luff Curve

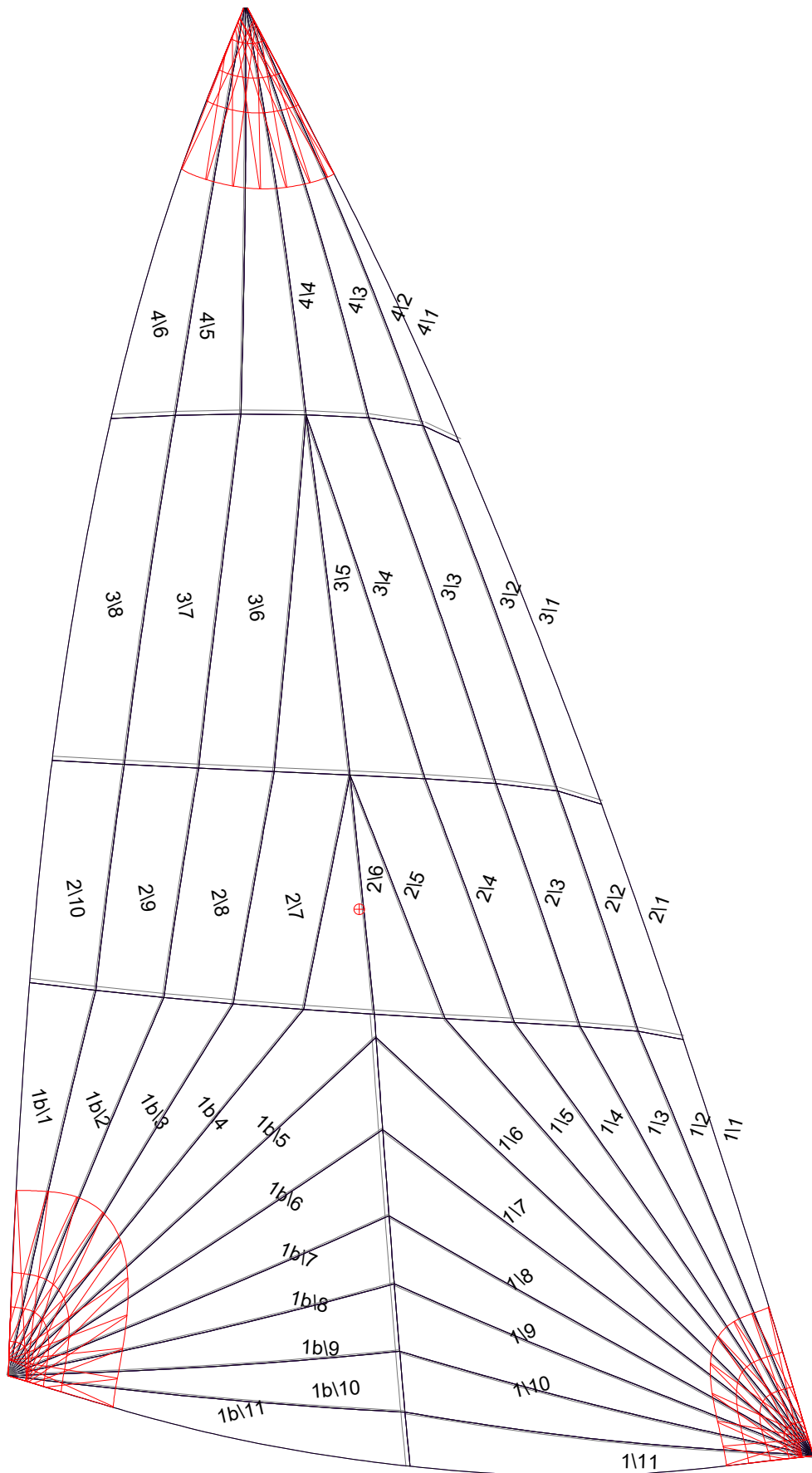
17.929m,	0.000m
14.343m,	0.281m
10.757m,	0.375m
5.379m,	0.281m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.390m])

100% (15.101m) :	0.000m	-0.000m
89% (13.513m) :	-0.047m	0.391m
79% (11.948m) :	-0.081m	0.564m
69% (10.411m) :	-0.097m	0.679m
59% (8.894m) :	-0.102m	0.731m
49% (7.390m) :	-0.098m	0.726m
39% (5.898m) :	-0.085m	0.671m
29% (4.415m) :	-0.066m	0.569m
19% (2.938m) :	-0.044m	0.425m
10% (1.466m) :	-0.021m	0.236m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1/a	0.040m	0.015m	0.040m
Zone: 1/b	0.040m	0.015m	0.040m
Zone: 2	0.040m	0.015m	0.040m
Zone: 3	0.040m	0.015m	0.040m
Zone: 4	0.040m	0.015m	0.040m

Edge Excesses

Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	16.58
Radial/Vertical	162.16
Bi-Radial Split	4.67

Materials

Material	Area (m ²)	Panels
Material 1	72.61	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1\9,1\10 1\11,1b\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 2\4,2\5,2\6,2\7,2\8 2\9,2\10,3\1,3\2,3\3 3\4,3\5,3\6,3\7,3\8 4\1,4\2,4\3,4\4,4\5 4\6