

Asymmetric: Beneteau 40 A5 asy spi.des

Design Info
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Initial Design Date: 31/8/2024
Boat:
Beneteau 40 A4 asy spi
Client:

Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\Preliminary design

Comments:

Design Data
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Asymmetric

Measurements

Luff length (SLU):	16.331m	
Leech length (SLE):	15.165m	
Foot length (SFL):	9.185m	
Headboard Width:	0.020m	
Three-quarter width:	4.075m	Closest Pt: 3.636m
Half width (SHW):	6.964m	Closest Pt: 6.481m
Quarter width:	8.393m	Closest Pt: 8.156m
ORC Area:	97.222m?	
IRC Area:	96.833m?	
Surface Area:	100.030m?	
Hoist height:	15.731m	
J:	5.160m	

Luff Curve

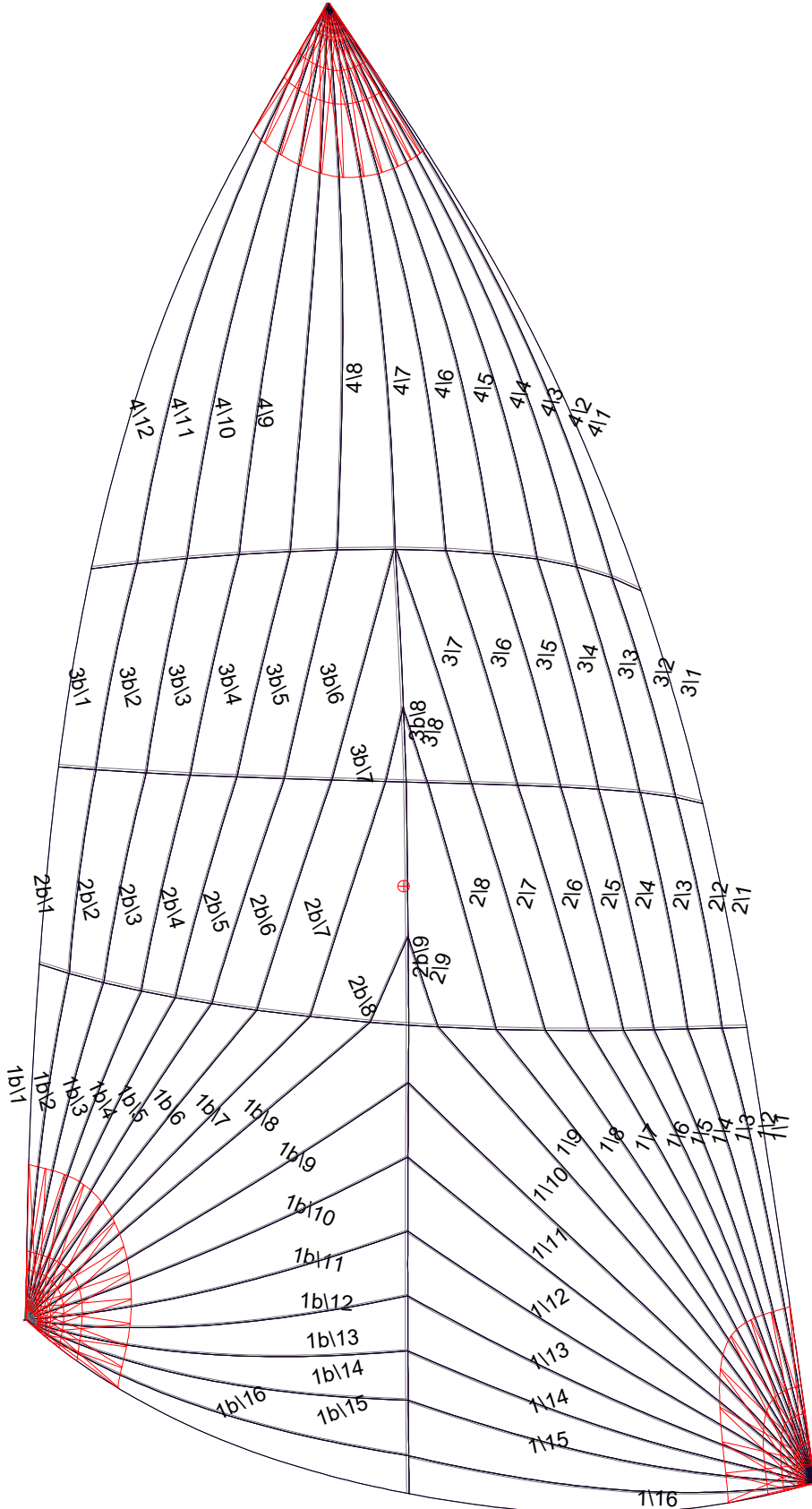
15.500m,	0.000m
11.625m,	0.000m
7.750m,	0.000m
3.875m,	0.000m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.399m])

100% (16.180m) :	0.000m	-0.000m
89% (14.345m) :	-0.244m	0.461m
78% (12.568m) :	-0.498m	0.800m
67% (10.887m) :	-0.718m	1.012m
57% (9.278m) :	-0.865m	1.111m
48% (7.714m) :	-0.947m	1.104m
38% (6.178m) :	-0.960m	0.996m
29% (4.651m) :	-0.889m	0.801m
19% (3.116m) :	-0.704m	0.553m
10% (1.565m) :	-0.388m	0.289m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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Seam Allowances

Zone:	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/a	0.025m	0.015m	0.025m
Zone: 3/b	0.025m	0.015m	0.025m
Zone: 4	0.025m	0.015m	0.025m

Edge Excesses

Sail:	Luff	Leech	Foot
Sail:	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	22.10
Radial/Vertical	297.71
Bi-Radial Split	10.23

Materials

Material	Area (m ²)	Panels
Material 1	99.72	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1\9,1\10 1\11,1\12,1\13,1\14,1\15 1\16,1b\1,1b\2,1b\3,1b\4 1b\5,1b\6,1b\7,1b\8,1b\9 1b\10,1b\11,1b\12,1b\13,1b\14 1b\15,1b\16,2\1,2\2,2\3 2\4,2\5,2\6,2\7,2\8 2\9,2b\9,2b\8,2b\7,2b\6 2b\5,2b\4,2b\3,2b\2,2b\1 3\1,3\2,3\3,3\4,3\5 3\6,3\7,3\8,3b\8,3b\7 3b\6,3b\5,3b\4,3b\3,3b\2 3b\1,4\1,4\2,4\3,4\4 4\5,4\6,4\7,4\8,4\9 4\10,4\11,4\12