

Asymmetric: 7000619 David 170 Screecher.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need Confrim Order\7000619 David\7000619

Initial Design Date: 12/9/2019
Boat:

Comments:
Design by Fareast sails

Client:

Design Data
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Asymmetric

Measurements

Luff length (SLU): 12.350m
Leech length (SLE): 11.246m
Foot length (SFL): 6.995m
Headboard Width: 0.030m
Three-quarter width: 1.670m
Half width (SHW): 3.499m
Quarter width: 5.355m
ORC Area: 41.272m?
IRC Area: 41.107m?
Surface Area: 40.561m?
Hoist height: 12.344m
J: 4.115m

Closest Pt: 1.511m
Closest Pt: 3.149m
Closest Pt: 4.883m

Luff Curve

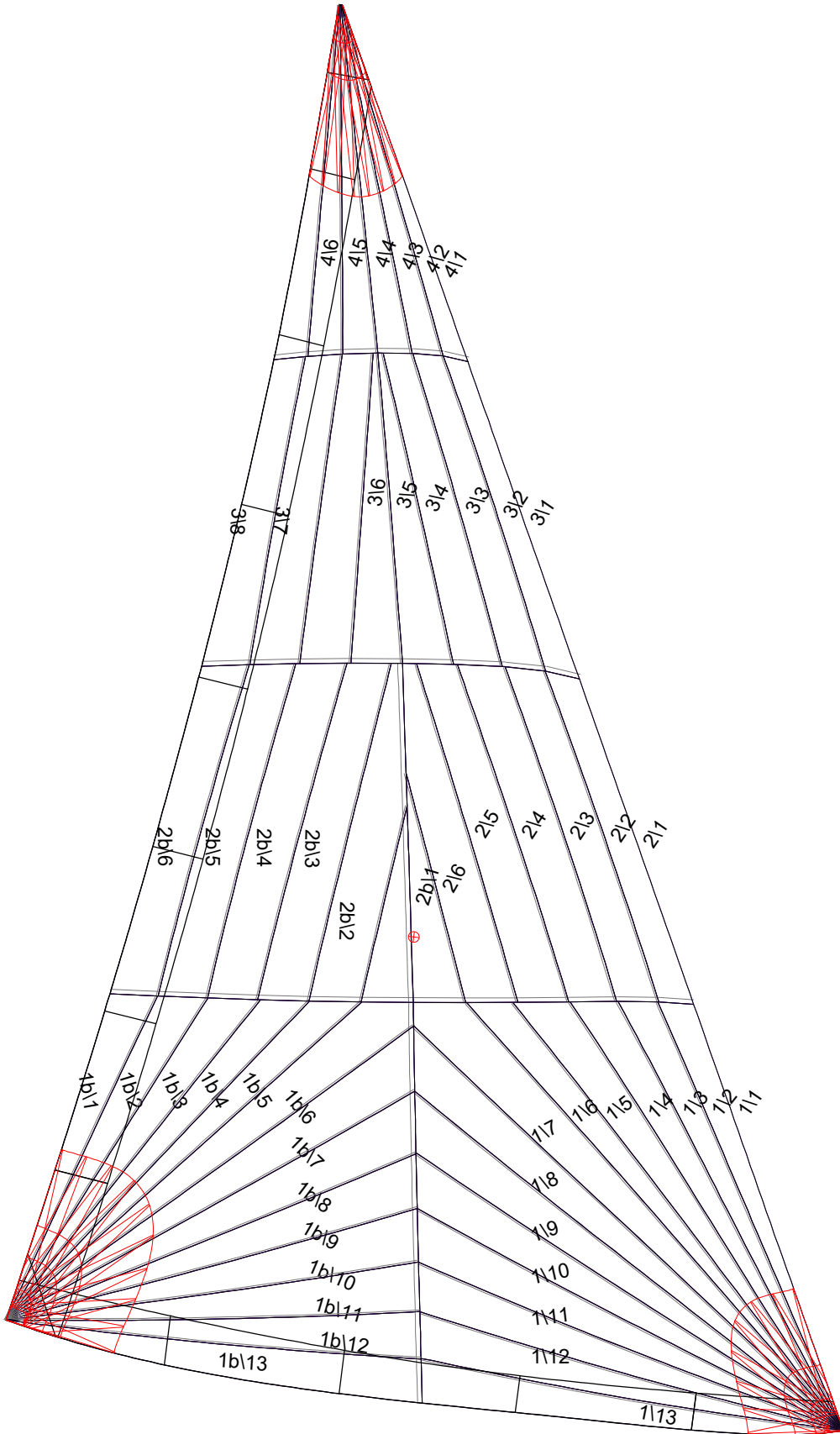
15.500m, 0.000m
11.625m, 0.000m
7.750m, 0.000m
3.875m, 0.000m
0.000m, 0.000m

Fanned Luff (@ 5.00% [0.344m])

100% (12.320m) : 0.000m -0.000m
90% (11.085m) : -0.136m 0.006m
80% (9.852m) : -0.257m 0.019m
70% (8.620m) : -0.337m 0.051m
60% (7.389m) : -0.373m 0.090m
50% (6.159m) : -0.373m 0.131m
40% (4.928m) : -0.344m 0.170m
30% (3.697m) : -0.289m 0.183m
20% (2.466m) : -0.212m 0.144m
10% (1.233m) : -0.112m 0.069m
0% (0.000m) : 0.000m 0.000m

Before BSeam

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Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.038m	0.015m	0.038m
Zone: 1/b	0.038m	0.015m	0.038m
Zone: 2/a	0.038m	0.015m	0.038m
Zone: 2/b	0.038m	0.015m	0.038m
Zone: 3	0.038m	0.015m	0.038m
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	10.21
Radial/Vertical	154.89
Bi-Radial Split	6.40

Materials

Material	Area (m ²)	Panels
white	40.62	1/1,1/2,1/3,1/4,1/5 1/6,1/7,1/8,1/9,1/10 1/11,1/12,1/13,1b/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 2/5,2/6,2b/1,2b/2,2b/3 2b/4,2b/5,2b/6,3/1,3/2 3/3,3/4,3/5,3/6,3/7 3/8,4/1,4/2,4/3,4/4 4/5,4/6