

Asymmetric: 7001130 Roy-3 catamaran Screecher.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\7001130 Roy\7001

Initial Design Date: 17/1/2024
Boat:

Comments:

Client:

Design Data
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Asymmetric

Measurements

Luff length (SLU): 14.750m
Leech length (SLE): 14.000m
Foot length (SFL): 7.800m
Headboard Width: 0.005m
Three-quarter width: 2.365m
Half width (SHW): 4.495m
Quarter width: 6.250m
ORC Area: 61.766m?
IRC Area: 61.519m?
Surface Area: 59.891m?
Hoist height: 14.190m
J: 6.200m

Closest Pt: 2.156m
Closest Pt: 4.152m
Closest Pt: 5.834m

Luff Curve

15.500m, 0.000m
11.625m, -0.111m
7.750m, -0.147m
3.875m, -0.111m
0.000m, 0.000m

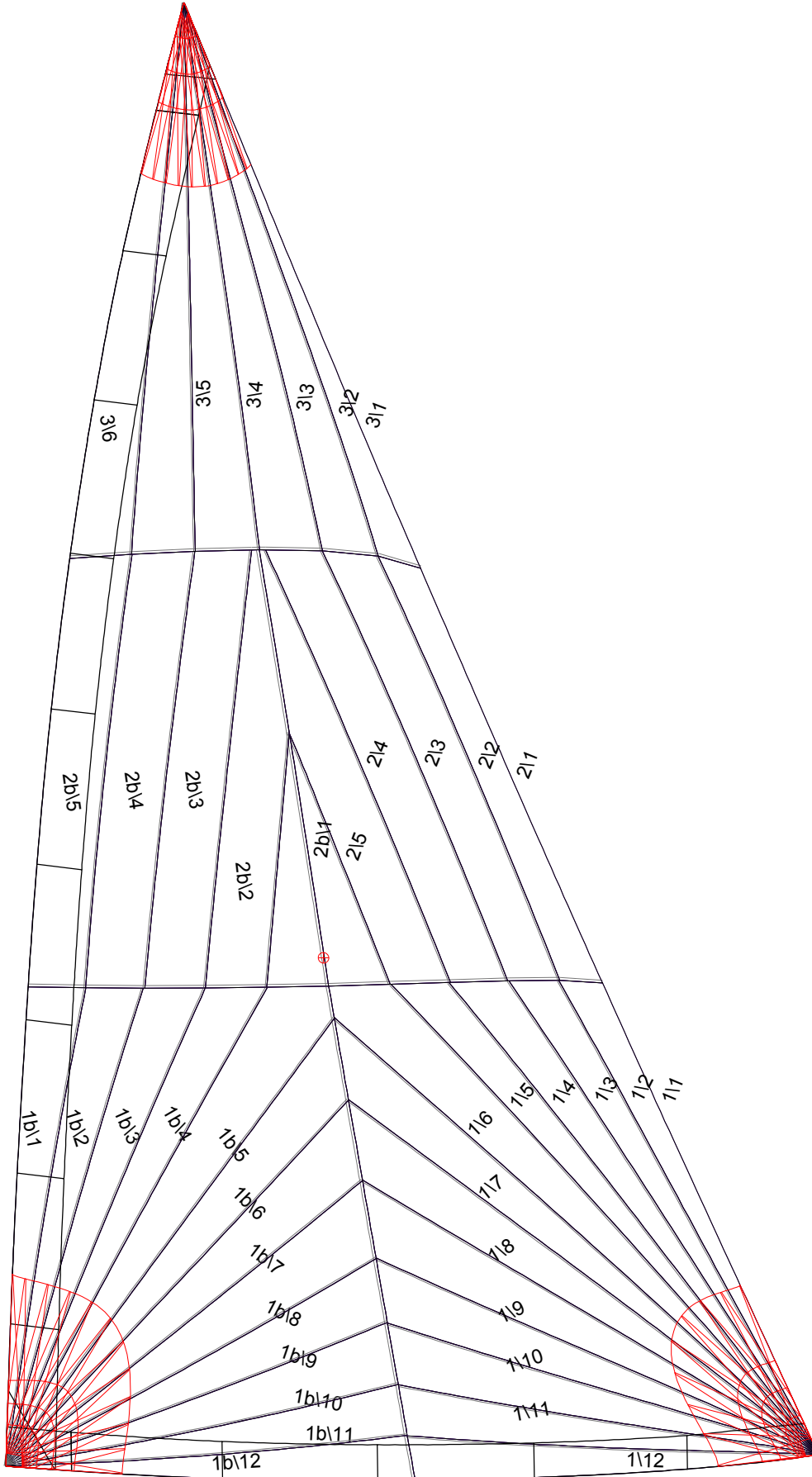
Fanned Luff (@ 5.00% [0.377m])

100% (14.692m) : -0.000m
90% (13.233m) : -0.208m
80% (11.775m) : -0.383m
70% (10.316m) : -0.501m
60% (8.852m) : -0.565m
50% (7.385m) : -0.573m
40% (5.916m) : -0.535m
30% (4.443m) : -0.452m
20% (2.964m) : -0.325m
10% (1.483m) : -0.165m
0% (0.000m) : 0.000m

Before BSeam

-0.000m
-0.030m
-0.026m
0.007m
0.034m
0.051m
0.056m
0.052m
0.039m
0.020m
0.000m

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Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.025m	0.016m	0.025m
Zone: 1/b	0.025m	0.016m	0.025m
Zone: 2/a	0.025m	0.016m	0.025m
Zone: 2/b	0.025m	0.016m	0.025m
Zone: 3	0.025m	0.016m	0.025m
Cover 1	0.000m	0.000m	0.000m
Cover 2	0.000m	0.000m	0.000m
Cover 3	0.025m	0.025m	0.025m
Cover 4	0.025m	0.025m	0.025m

Edge Excesses

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

Total Seam Lengths (m)

Horizontal	9.32
Radial/Vertical	164.67
Bi-Radial Split	9.09

Materials

Material	Area (m ²)	Panels
Material 1	60.01	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\12,2\1 2\2,2\3,2\4,2\5,2b\1 2b\2,2b\3,2b\4,2b\5,3\1 3\2,3\3,3\4,3\5,3\6