

Asymmetric: 7000120 Chris Lagoon40 Code zeroV2.des

Design Info

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Initial Design Date: 15/2/2023
Boat:
Lagoon 40
Client:

Design File:

\\Nas\工程部-专用文件\Queenie-跟进客户\Fareast Sails\2023 Order\Need Confrim Order\7000120 Chris\7000120 Chris

Comments:

Design Data

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Asymmetric

Measurements

Luff length (SLU): 14.850m
Leech length (SLE): 11.181m
Foot length (SFL): 8.420m
Headboard Width: 0.005m
Three-quarter width: 3.282m
Half width (SHW): 5.852m
Quarter width: 7.377m
ORC Area: 69.048m?
IRC Area: 68.772m?
Surface Area: 64.883m?
Hoist height: 13.653m
J: 7.073m

Closest Pt: 2.466m
Closest Pt: 4.699m
Closest Pt: 5.755m

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% [0.403m])

100% (14.847m) : 0.000m -0.000m
88% (13.011m) : -0.041m 0.373m
76% (11.266m) : -0.090m 0.691m
65% (9.663m) : -0.136m 0.885m
55% (8.152m) : -0.154m 0.984m
45% (6.691m) : -0.139m 0.996m
36% (5.291m) : -0.121m 0.907m
26% (3.930m) : -0.096m 0.741m
18% (2.598m) : -0.066m 0.537m
9% (1.294m) : -0.034m 0.288m
0% (0.000m) : 0.000m 0.000m

Before BSeam

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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/a	0.025m	0.016m	0.025m
Zone: 3/b	0.025m	0.016m	0.025m
Cover 1	0.025m	0.025m	0.025m
Cover 2	0.025m	0.025m	0.025m

Edge Excesses

	Luff	Leech	Foot
Sail:	0.000m	0.000m	0.000m
Cover 0	0.070m	0.100m	0.070m
Cover 1	0.070m	0.100m	0.070m

Total Seam Lengths (m)

Horizontal	11.79
Radial/Vertical	218.84
Bi-Radial Split	13.42

Materials

Material	Area (m ²)	Panels
Material 1	31.60	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\14,2\1 2\2,2\3,2\4,2\5,2\6 2\7,3b\6,3b\5,3b\4,3b\3 3b\2,3b\1
Material 2	32.51	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\14,2b\7 2b\6,2b\5,2b\4,2b\3,2b\2 2b\1,3\1,3\2,3\3,3\4 3\6 3\5
Material 3	0.89	3\5

