

Asymmetric: 8000427 Michael lagoon440 Code Zero.des

Design Info

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Initial Design Date: 26/4/2024
Boat:
lagoon 440
Client:

Design File:

\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000427 Michael L

Comments:

Design Data

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Asymmetric

Measurements

Luff length (SLU): 17.060m
Leech length (SLE): 15.300m
Foot length (SFL): 8.800m
Headboard Width: 0.030m
Three-quarter width: 2.907m
Half width (SHW): 5.371m
Quarter width: 7.232m
ORC Area: 81.667m?
IRC Area: 81.340m?
Surface Area: 77.033m?
Hoist height: 17.230m
J: 4.974m

Closest Pt: 2.540m
Closest Pt: 4.779m
Closest Pt: 6.538m

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% [0.424m])

100% (17.035m) : 0.000m
90% (15.330m) : -0.147m
80% (13.626m) : -0.276m
70% (11.923m) : -0.363m
60% (10.220m) : -0.403m
50% (8.517m) : -0.396m
40% (6.814m) : -0.363m
30% (5.111m) : -0.304m
20% (3.408m) : -0.222m
10% (1.704m) : -0.117m
0% (0.000m) : 0.000m

Before BSeam

-0.000m
0.033m
0.075m
0.135m
0.188m
0.215m
0.212m
0.182m
0.146m
0.087m
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/a	0.025m	0.016m	0.025m
Zone: 3/b	0.025m	0.016m	0.025m

Edge Excesses

Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	10.79
Radial/Vertical	260.90
Bi-Radial Split	16.06

Materials

Material	Area (m ²)	Panels
Material 1	37.67	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	38.19	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	1.17	3\5

