

Asymmetric: 8000427 Michael lagoon440 Code ZeroV1.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): 15.200m
Foot length (SFL): 8.800m
Headboard Width: 0.030m
Three-quarter width: 2.909m
Half width (SHW): 5.371m
Quarter width: 7.232m
ORC Area: 81.415m?
IRC Area: 81.089m?
Surface Area: 76.597m?
Hoist height: 17.230m
J: 4.974m

Closest Pt: 2.529m
Closest Pt: 4.756m
Closest Pt: 6.505m

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) : -0.364m
60% (10.220m) : -0.404m
50% (8.517m) : -0.397m
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
0.028m
0.071m
0.132m
0.186m
0.213m
0.211m
0.181m
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
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	0.050m	0.070m	0.000m
Cover 2	0.070m	0.100m	0.070m
Cover 3	0.070m	0.070m	0.100m

Total Seam Lengths (m)

Horizontal	10.77
Radial/Vertical	260.25
Bi-Radial Split	16.01

Materials

Material	Area (m ²)	Panels
dark blue	39.01	1\1,1\2,1\6,1\7,1\8 1\13,1\14,1b\1,1b\2,1b\6 1b\7,1b\8,1b\13,1b\14,2\1 2\2,2\6,2\7,2b\7,2b\6 2b\2,2b\1,3\1,3\2,3\6 3b\6,3b\2,3b\1
white	37.57	1\3,1\4,1\5,1\9,1\10 1\11,1\12,1b\3,1b\4,1b\5 1b\9,1b\10,1b\11,1b\12,2\3 2\4,2\5,2b\5,2b\4,2b\3 3\3,3\4,3\5,3b\5,3b\4 3b\3

