

Asymmetric: 8000309 Charles Screecher.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000309 Charles S

Initial Design Date: 14/3/2024
Boat:

Comments:

Client:

Design Data
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Asymmetric

Measurements

Luff length (SLU): 10.400m
Leech length (SLE): 9.500m
Foot length (SFL): 5.750m
Headboard Width: 0.015m
Three-quarter width: 1.917m
Half width (SHW): 3.516m
Quarter width: 4.734m
ORC Area: 32.862m?
IRC Area: 32.730m?
Surface Area: 31.457m?
Hoist height: 9.940m
J: 3.380m

Closest Pt: 1.671m
Closest Pt: 3.156m
Closest Pt: 4.330m

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% [0.277m])

100% (10.392m) : -0.000m
90% (9.353m) : -0.065m
80% (8.313m) : -0.119m
70% (7.274m) : -0.153m
60% (6.235m) : -0.172m
50% (5.196m) : -0.174m
40% (4.157m) : -0.161m
30% (3.118m) : -0.136m
20% (2.079m) : -0.098m
10% (1.039m) : -0.050m
0% (0.000m) : 0.000m

Before BSeam

0.000m
0.034m
0.081m
0.131m
0.161m
0.171m
0.162m
0.138m
0.099m
0.050m
0.000m

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Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1/a	0.025m	0.014m	0.025m
Zone: 1/b	0.025m	0.014m	0.025m
Zone: 2/a	0.025m	0.014m	0.025m
Zone: 2/b	0.025m	0.014m	0.025m
Zone: 3/a	0.025m	0.014m	0.025m
Zone: 3/b	0.025m	0.014m	0.025m

Edge Excesses

Sail:	Luff	Leech	Foot
Sail:	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	7.30
Radial/Vertical	121.62
Bi-Radial Split	9.97

Materials

Material	Area (m ²)	Panels
white	25.63	1\1, 1\2, 1\3, 1\4, 1\8 1\9, 1\10, 1\11, 1\12, 1b\1 1b\2, 1b\3, 1b\4, 1b\8, 1b\9 1b\10, 1b\11, 1b\12, 2\1, 2\2 2\3, 2\4, 2b\2, 2b\3, 2b\4 2b\5, 3\1, 3\2, 3\3, 3\4 3b\1, 3b\2, 3b\3, 3b\4
Fl.yellow	5.89	1\5, 1\6, 1\7, 1b\5, 1b\6 1b\7, 2\5, 2b\1

