

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	121.46
Bi-Radial Split	9.97

Materials

Material	Area (m ²)	Panels
Material 1	23.04	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\4,3b\1,3b\2,3b\3,3b\4
Material 2	8.48	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1\9,1\10 1\11,1\12

