

Spinnaker: 8001031 Jonathan Davidson 28 sym spi.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8001031 Jonathan Davidson

Initial Design Date: 1/11/2024
Boat:
Davidson 28
Client:

Comments:

Design Data
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Spinnaker

Measurements

Leech length (SLE): 10.644m
Foot length (SFL): 6.484m
Headboard Width: 0.005m
Maximum width (27.2%): 6.787m
Three-quarter width: 3.924m
Half width (SHW): 6.310m
Quarter width: 6.786m
Foot median: 11.757m
ORC Spinnaker Area: 56.281m?
IRC Spinnaker Area: 56.056m?
Surface Area: 60.889m?
Hoist height: 10.668m
Pole Length: 3.505m

Luff Curve

15.500m, 0.000m
11.625m, 0.000m
7.750m, 0.000m
3.875m, 0.000m
0.000m, 0.000m

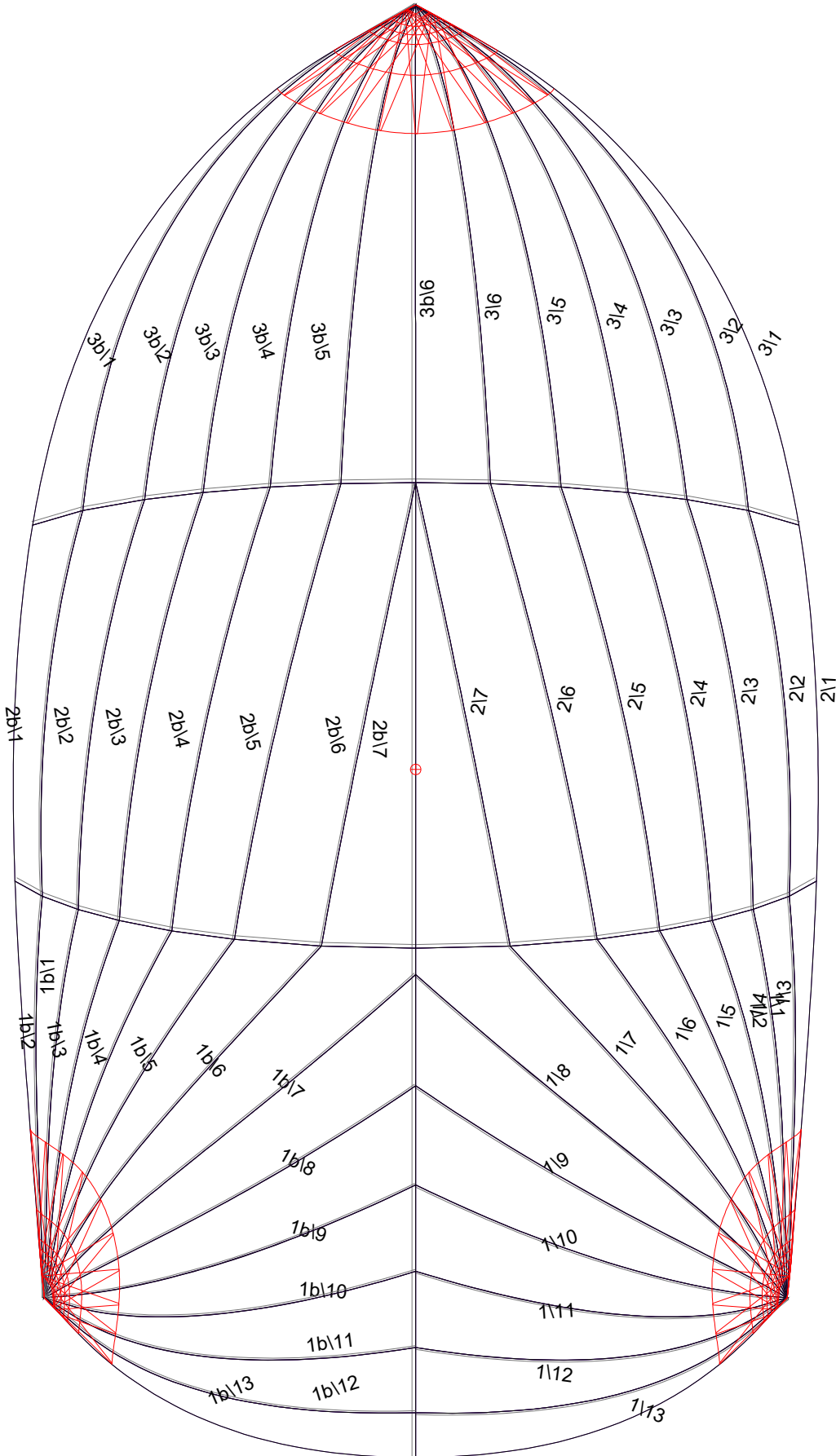
Fanned Luff (@ 5.00% [0.254m])

100% (9.731m) : 0.000m
83% (8.102m) : -1.148m
62% (6.023m) : -1.902m
46% (4.440m) : -1.024m
57% (5.595m) : -0.686m
44% (4.264m) : -1.256m
32% (3.154m) : -0.583m
28% (2.699m) : 0.274m
18% (1.793m) : 0.358m
10% (0.940m) : 0.175m
0% (0.000m) : 0.000m

Before BSeam

0.000m
1.905m
2.281m
2.362m
2.278m
2.071m
1.770m
1.396m
0.969m
0.503m
0.000m

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Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1/a	0.025m	0.013m	0.025m
Zone: 1/b	0.025m	0.013m	0.025m
Zone: 2/a	0.025m	0.013m	0.025m
Zone: 2/b	0.025m	0.013m	0.025m
Zone: 3/a	0.025m	0.013m	0.025m
Zone: 3/b	0.025m	0.013m	0.025m

Edge Excesses

Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	12.94
Radial/Vertical	174.21
Bi-Radial Split	11.87

Materials

Material	Area (m ²)	Panels
Material 1	60.82	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, 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, 2\1, 2\2, 2\3, 2\4 2\5, 2\6, 2\7, 2b\7, 2b\6 2b\5, 2b\4, 2b\3, 2b\2, 2b\1 3\1, 3\2, 3\3, 3\4, 3\5 3\6, 3b\6, 3b\5, 3b\4, 3b\3 3b\2, 3b\1