

Asymmetric: 8000515 Nadine Kingscruiser 33 asy spi.des

Design Info

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Initial Design Date: 17/5/2024
Boat:
Kingscruiser 33
Client:

Design File:

\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000515 Nadine K

Comments:

Design Data

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Asymmetric

Measurements

Luff length (SLU): 12.870m
Leech length (SLE): 11.892m
Foot length (SFL): 6.520m
Headboard Width: 0.015m
Three-quarter width: 4.449m
Half width (SHW): 6.903m
Quarter width: 7.326m
ORC Area: 70.433m?
IRC Area: 70.151m?
Surface Area: 73.871m?
Hoist height: 12.620m
J: 3.730m

Closest Pt: 3.785m
Closest Pt: 6.558m
Closest Pt: 7.581m

Luff Curve

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

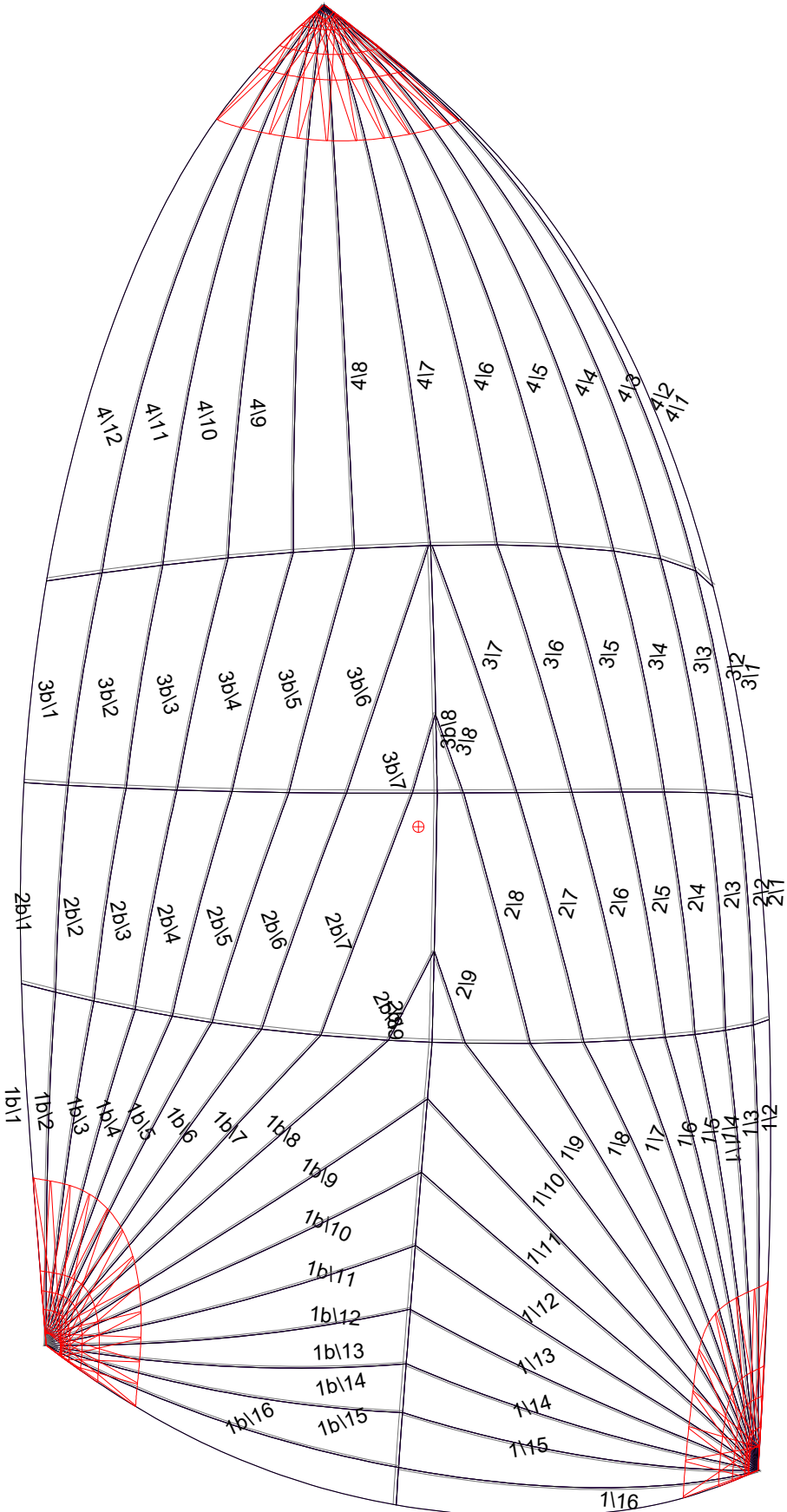
Fanned Luff (@ 5.00% [0.285m])

100% (12.868m) : 0.000m
86% (11.070m) : 0.003m
75% (9.615m) : -0.034m
65% (8.318m) : -0.074m
55% (7.088m) : -0.096m
46% (5.890m) : -0.103m
37% (4.707m) : -0.098m
27% (3.531m) : -0.084m
18% (2.356m) : -0.059m
9% (1.179m) : -0.028m
0% (0.000m) : 0.000m

Before BSeam

0.000m
-1.072m
-1.863m
-0.495m
0.194m
0.460m
0.572m
0.557m
0.439m
0.245m
0.000m

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Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1/a	0.025m	0.015m	0.025m
Zone: 1/b	0.025m	0.015m	0.025m
Zone: 2/a	0.025m	0.015m	0.025m
Zone: 2/b	0.025m	0.015m	0.025m
Zone: 3/a	0.025m	0.015m	0.025m
Zone: 3/b	0.025m	0.015m	0.025m
Zone: 4	0.025m	0.015m	0.025m

Edge Excesses

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

Total Seam Lengths (m)

Horizontal	21.23
Radial/Vertical	226.02
Bi-Radial Split	8.25

Materials

Material	Area (m ²)	Panels
Material 1	73.83	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\14,1\15 1\16,1b\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 1b\15,1b\16,2\1,2\2,2\3 2\4,2\5,2\6,2\7,2\8 2\9,2b\9,2b\8,2b\7,2b\6 2b\5,2b\4,2b\3,2b\2,2b\1 3\1,3\2,3\3,3\4,3\5 3\6,3\7,3\8,3b\8,3b\7 3b\6,3b\5,3b\4,3b\3,3b\2 3b\1,4\1,4\2,4\3,4\4 4\5,4\6,4\7,4\8,4\9 4\10,4\11,4\12