

Asymmetric: 8000515 Nadine Kingscruiser 33 asy spiV1.des

Design Info

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Initial Design Date: 21/5/2024
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): 12.420m
Leech length (SLE): 11.440m
Foot length (SFL): 7.310m
Headboard Width: 0.015m
Three-quarter width: 4.224m
Half width (SHW): 6.865m
Quarter width: 7.674m
ORC Area: 69.134m?
IRC Area: 68.857m?
Surface Area: 73.469m?
Hoist height: 12.620m
J: 4.230m

Closest Pt: 3.426m
Closest Pt: 6.328m
Closest Pt: 7.728m

Luff Curve

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

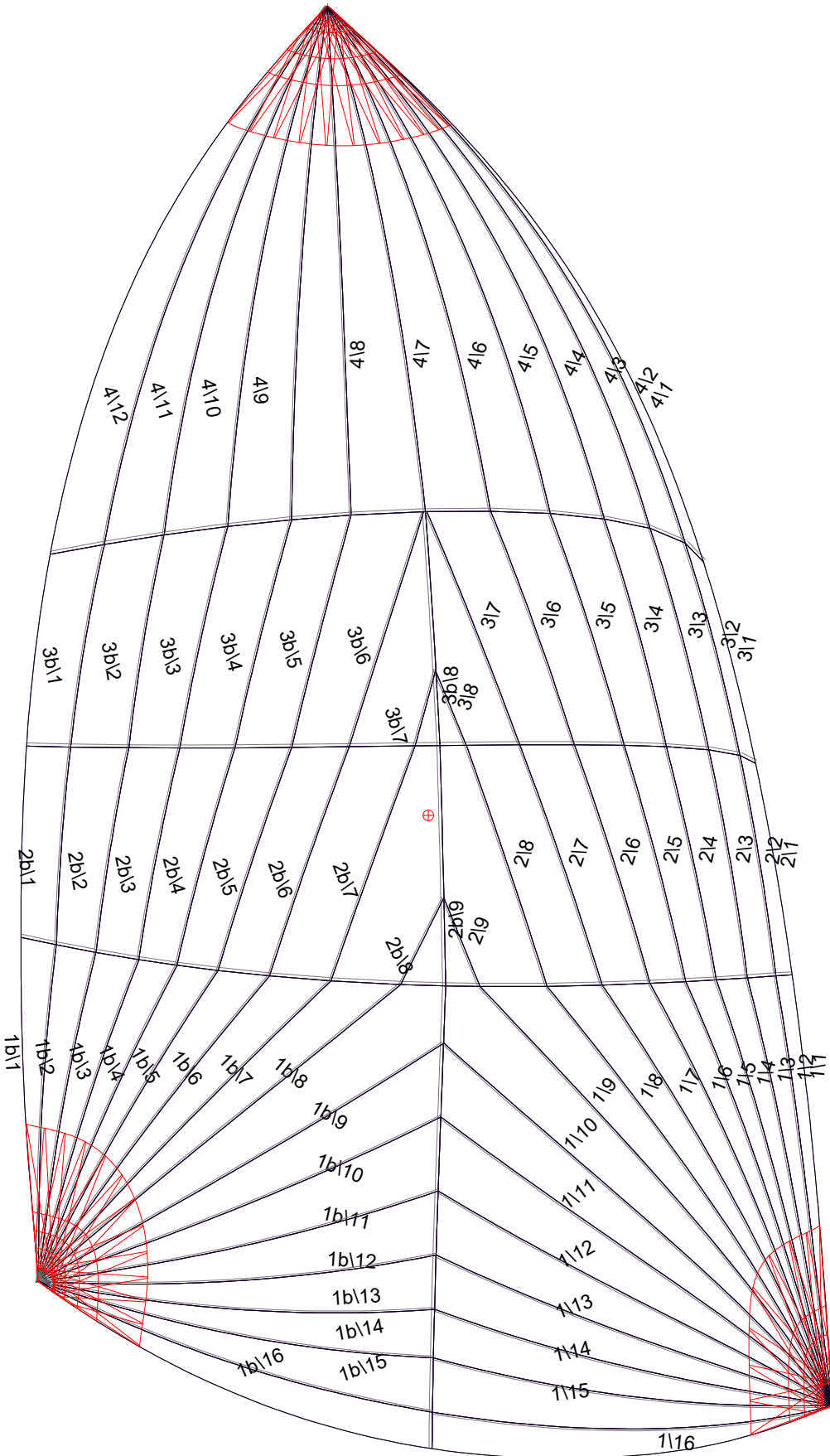
Fanned Luff (@ 5.00% [0.321m])

100% (12.417m) : 0.000m
87% (10.787m) : -0.025m
75% (9.362m) : -0.065m
65% (8.083m) : -0.102m
55% (6.878m) : -0.123m
46% (5.708m) : -0.131m
37% (4.554m) : -0.125m
27% (3.410m) : -0.106m
18% (2.271m) : -0.075m
9% (1.135m) : -0.037m
0% (0.000m) : 0.000m

Before BSeam

-0.000m
-0.894m
-1.698m
-0.319m
0.320m
0.528m
0.611m
0.587m
0.468m
0.265m
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	21.49
Radial/Vertical	227.50
Bi-Radial Split	8.12

Materials

Material	Area (m ²)	Panels
Natural	25.89	1\3,1\4,1\8,1\9,1\13 1\14,1b\3,1b\4,1b\8,1b\9 1b\13,1b\14,2\3,2\4,2\8 2\9,2b\9,2b\8,2b\4,2b\3 3\3,3\4,3\8,3b\8,3b\4 3b\3,4\3,4\4,4\9,4\10
Lilac	20.24	1\5,1\6,1\11,1\12,1b\5 1b\6,1b\11,1b\12,2\5,2\6 2b\6,2b\5,3\5,3\6,3b\6 3b\5,4\5,4\6,4\7,4\8
new pink	26.76	1\1,1\2,1\7,1\10,1\15 1\16,1b\1,1b\2,1b\7,1b\10 1b\15,1b\16,2\1,2\2,2\7 2b\7,2b\2,2b\1,3\1,3\2 3\7,3b\7,3b\2,3b\1,4\1 4\2,4\11,4\12