

Asymmetric: Hanse 350 prilinary design A2 V3.des

Design Info
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Initial Design Date: 5/3/2024
Boat:
Hanse 350 A2
Client:

Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\Preliminary design

Comments:

Design Data
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Asymmetric

Measurements

Luff length (SLU): 15.450m
Leech length (SLE): 13.050m
Foot length (SFL): 8.262m
Headboard Width: 0.020m
Three-quarter width: 4.894m
Half width (SHW): 8.077m
Quarter width: 8.803m
ORC Area: 96.353m?
IRC Area: 95.968m?
Surface Area: 99.785m?
Hoist height: 14.490m
J: 4.860m

Closest Pt: 4.101m
Closest Pt: 7.425m
Closest Pt: 8.612m

Luff Curve

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

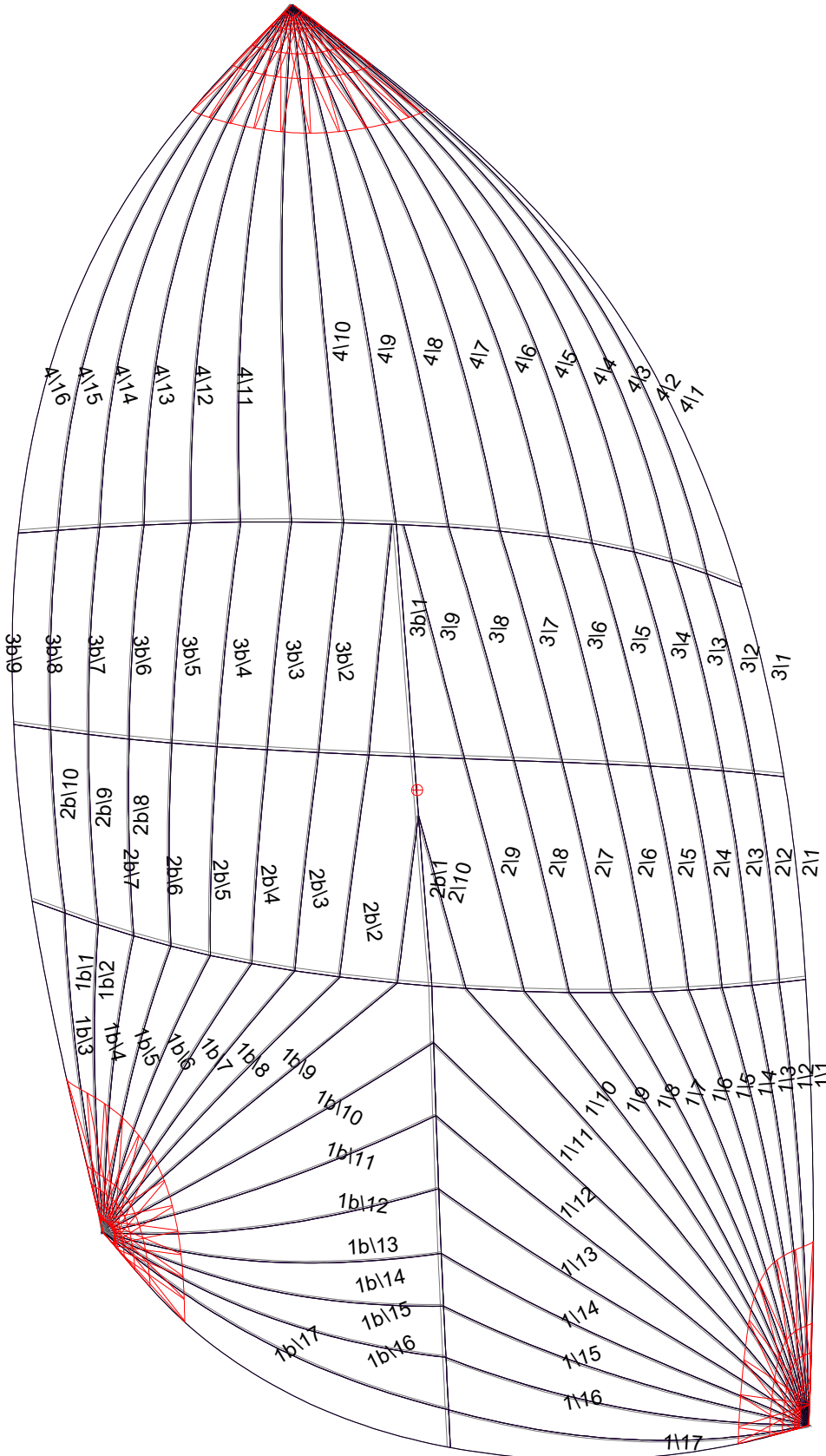
Fanned Luff (@ 5.00% [0.330m])

100% (15.420m) : 0.000m
85% (13.135m) : -0.202m
73% (11.250m) : -0.323m
63% (9.687m) : -0.383m
54% (8.261m) : -0.413m
45% (6.890m) : -0.420m
36% (5.535m) : -0.399m
27% (4.173m) : -0.344m
18% (2.796m) : -0.246m
9% (1.403m) : -0.121m
0% (0.000m) : 0.000m

Before BSeam

0.000m
0.947m
1.642m
2.040m
2.156m
2.063m
1.835m
1.504m
1.086m
0.582m
0.000m

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Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1/a	0.030m	0.016m	0.030m
Zone: 1/b	0.030m	0.016m	0.030m
Zone: 2/a	0.030m	0.016m	0.030m
Zone: 2/b	0.030m	0.016m	0.030m
Zone: 3/a	0.030m	0.016m	0.030m
Zone: 3/b	0.030m	0.016m	0.030m
Zone: 4	0.030m	0.016m	0.030m

Edge Excesses

Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	25.14
Radial/Vertical	315.27
Bi-Radial Split	9.27

Materials

Material	Area (m ²)	Panels
Material 1	99.73	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\16,1\17,1b\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\16,1b\17,2\1 2\2,2\3,2\4,2\5,2\6 2\7,2\8,2\9,2\10,2b\1 2b\2,2b\3,2b\4,2b\5,2b\6 2b\7,2b\8,2b\9,2b\10,3\1 3\2,3\3,3\4,3\5,3\6 3\7,3\8,3\9,3b\1,3b\2 3b\3,3b\4,3b\5,3b\6,3b\7 3b\8,3b\9,4\1,4\2,4\3 4\4,4\5,4\6,4\7,4\8 4\9,4\10,4\11,4\12,4\13 4\14,4\15,4\16