

Asymmetric: 8000311 Sigurd Beneteau First38 Top-down aspinV1(1).des

Design Info

=====

Initial Design Date: 21/3/2024
Boat:
Beneteau First38
Client:

Design File:

\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000311 Sigurd cc

Comments:

Design Data

=====

Asymmetric

Measurements

Luff length (SLU): 14.950m
Leech length (SLE): 12.580m
Foot length (SFL): 9.690m
Headboard Width: 0.015m
Three-quarter width: 4.185m
Half width (SHW): 7.212m
Quarter width: 8.907m
ORC Area: 88.409m?
IRC Area: 88.055m?
Surface Area: 88.079m?
Hoist height: 13.500m
J: 5.700m

Closest Pt: 3.277m
Closest Pt: 6.156m
Closest Pt: 8.126m

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% [0.409m])

100% (14.922m) : -0.000m
87% (12.960m) : -0.110m
75% (11.189m) : -0.244m
64% (9.596m) : -0.347m
54% (8.105m) : -0.393m
45% (6.680m) : -0.401m
36% (5.302m) : -0.382m
27% (3.956m) : -0.333m
18% (2.631m) : -0.245m
9% (1.315m) : -0.126m
0% (0.000m) : 0.000m

Before BSeam

0.000m
0.487m
0.830m
1.042m
1.150m
1.156m
1.066m
0.889m
0.633m
0.324m
0.000m

Asymmetric: 8000311 Sigurd Beneteau First38 Top-down aspinV1(1).des

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	23.49
Radial/Vertical	271.75
Bi-Radial Split	8.84

Materials

Material	Area (m ²)	Panels
Material 1	88.71	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 1b\1,1b\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

