

Asymmetric: 8000311 Sigurd Beneteau First38 Top-down aspin.des

Design Info =====

Initial Design Date: 16/3/2024
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):	15.150m	
Leech length (SLE):	13.032m	
Foot length (SFL):	9.690m	
Headboard Width:	0.015m	
Three-quarter width:	4.744m	Closest Pt: 3.578m
Half width (SHW):	8.171m	Closest Pt: 6.966m
Quarter width:	9.616m	Closest Pt: 9.084m
ORC Area:	99.517m?	
IRC Area:	99.119m?	
Surface Area:	100.177m?	
Hoist height:	13.500m	
J:	5.700m	

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% [0.407m])

100% (15.115m) :	-0.000m	-0.000m
86% (12.954m) :	-0.135m	0.690m
73% (11.061m) :	-0.295m	1.160m
62% (9.425m) :	-0.404m	1.452m
52% (7.928m) :	-0.447m	1.602m
43% (6.514m) :	-0.453m	1.606m
34% (5.161m) :	-0.434m	1.469m
25% (3.852m) :	-0.374m	1.217m
17% (2.564m) :	-0.271m	0.865m
8% (1.281m) :	-0.143m	0.438m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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Seam Allowances

	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
	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	26.43
Radial/Vertical	277.60
Bi-Radial Split	9.11

Materials

Material	Area (m ²)	Panels
Material 1	100.61	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

