

Asymetric: 5000121 ays .des

Design Info

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Initial Design Date: 27/1/2021
Boat:

Client:

Design File:

D:\dropbox\Dropbox\Fareast Sails\2021\5000121 James\5000121 ays .des

Comments:

Design Data

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Asymmetric

Measurements

Luff length (SLU):	14.120m	
Leech length (SLE):	13.146m	
Foot length (SFL):	7.120m	
Headboard Width:	0.010m	
Three-quarter width:	4.114m	Closest Pt: 3.582m
Half width (SHW):	7.126m	Closest Pt: 6.734m
Quarter width:	7.908m	Closest Pt: 7.789m
ORC/IRC Area:	80.943m ²	
Surface Area:	83.413m ²	
Hoist height:	13.850m	
J:	3.960m	

Luff Curve

10.349m,	0.000m
7.762m,	0.000m
5.175m,	0.000m
2.587m,	0.000m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.298m])

100% (14.049m) :	-0.000m	0.000m
88% (12.342m) :	-0.102m	0.678m
76% (10.723m) :	-0.211m	1.269m
66% (9.216m) :	-0.321m	1.699m
56% (7.829m) :	-0.432m	1.874m
46% (6.522m) :	-0.531m	1.839m
37% (5.244m) :	-0.592m	1.628m
28% (3.965m) :	-0.592m	1.287m
19% (2.669m) :	-0.499m	0.879m
10% (1.347m) :	-0.284m	0.453m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.020m	0.020m	0.020m
Zone: 1/b	0.020m	0.020m	0.020m
Zone: 2/a	0.020m	0.020m	0.020m
Zone: 2/b	0.020m	0.020m	0.020m
Zone: 3/a	0.020m	0.020m	0.020m
Zone: 3/b	0.020m	0.020m	0.020m
Zone: 4	0.020m	0.020m	0.020m

Edge Excesses

Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	21.82
Radial/Vertical	250.78
Bi-Radial Split	9.47

Materials

Material	Area (m ²)	Panels
Material 1	83.39	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

