

Asymetric: 4001121 Val asy.des

Design Info

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Initial Design Date: 9/12/2020
Boat:

Client:

Design File:

D:\dropbox\Dropbox\Fareast Sails\2020\4001121 Val\4001121 Val asy.des

Comments:

Design Data

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Asymmetric

Measurements

Luff length (SLU):	13.100m	
Leech length (SLE):	11.955m	
Foot length (SFL):	6.580m	
Headboard Width:	0.010m	
Three-quarter width:	3.835m	Closest Pt: 3.217m
Half width (SHW):	6.686m	Closest Pt: 6.186m
Quarter width:	7.168m	Closest Pt: 7.371m
ORC/IRC Area:	69.581m ²	
Surface Area:	71.756m ²	
Hoist height:	12.521m	
J:	3.762m	

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% [0.274m])

100% (13.052m) :	-0.000m	-0.000m
88% (11.477m) :	-0.078m	0.616m
76% (9.971m) :	-0.161m	1.165m
66% (8.558m) :	-0.243m	1.580m
56% (7.250m) :	-0.324m	1.778m
46% (6.025m) :	-0.400m	1.776m
37% (4.838m) :	-0.455m	1.590m
28% (3.654m) :	-0.467m	1.263m
19% (2.459m) :	-0.402m	0.865m
10% (1.240m) :	-0.232m	0.446m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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Seam Allowances

Zone:	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
Sail:	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	20.57
Radial/Vertical	230.37
Bi-Radial Split	8.76

Materials

Material	Area (m ²)	Panels
Material 1	71.71	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

