

Asymmetric: 5000606 Reuben a4.des

Design Info

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Initial Design Date: 17/6/2021
Boat:

Client:

Design File:

D:\dropbox\Dropbox\Fareast Sails\2021\5000606 Reuben\5000606 Reuben a4.des

Comments:

Design Data

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Asymmetric

Measurements

Luff length (SLU):	16.000m	
Leech length (SLE):	14.489m	
Foot length (SFL):	7.800m	
Headboard Width:	0.010m	
Three-quarter width:	4.051m	Closest Pt: 3.653m
Half width (SHW):	7.099m	Closest Pt: 6.659m
Quarter width:	7.870m	Closest Pt: 7.872m
ORC/IRC Area:	91.968m ²	
Surface Area:	94.927m ²	
Hoist height:	15.610m	
J:	6.500m	

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% [0.332m])

100% (15.864m) :	0.000m	0.000m
88% (13.951m) :	-0.237m	0.555m
76% (12.117m) :	-0.456m	1.052m
66% (10.393m) :	-0.642m	1.415m
55% (8.797m) :	-0.782m	1.578m
46% (7.297m) :	-0.870m	1.575m
37% (5.844m) :	-0.897m	1.411m
28% (4.403m) :	-0.846m	1.121m
19% (2.956m) :	-0.682m	0.769m
9% (1.487m) :	-0.379m	0.402m
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	22.04
Radial/Vertical	279.50
Bi-Radial Split	10.57

Materials

Material	Area (m ²)	Panels
Material 1	94.65	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

