

# Asymmetric: 5000606 Reuben a1.des

## Design Info

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Initial Design Date: 26/6/2021  
Boat:

Client:

## Design File:

D:\dropbox\Dropbox\Fareast Sails\2021\5000606 Reuben\5000606 Reuben a1.des

Comments:

## Design Data

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### Asymmetric

#### Measurements

Luff length (SLU):	18.000m	
Leech length (SLE):	14.340m	
Foot length (SFL):	9.510m	
Headboard Width:	0.020m	
Three-quarter width:	5.506m	Closest Pt: 4.179m
Half width (SHW):	9.381m	Closest Pt: 8.213m
Quarter width:	10.891m	Closest Pt: 11.616m
ORC/IRC Area:	126.756m?	
Surface Area:	134.777m?	
Hoist height:	15.453m	
J:	6.675m	

#### 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% [0.420m])

100% (17.932m) :	0.000m
82% (14.647m) :	-0.247m
68% (12.160m) :	-0.497m
57% (10.174m) :	-0.637m
47% (8.431m) :	-0.674m
38% (6.823m) :	-0.667m
30% (5.321m) :	-0.631m
22% (3.934m) :	-0.531m
15% (2.613m) :	-0.374m
7% (1.307m) :	-0.190m
0% (0.000m) :	0.000m

#### Before BSeam

0.000m
0.995m
-1.484m
-3.926m
-1.998m
-1.081m
-0.432m
-0.040m
0.083m
0.049m
0.000m

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## Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1/a	0.025m	0.014m	0.025m
Zone: 1/b	0.025m	0.014m	0.025m
Zone: 2/a	0.025m	0.014m	0.025m
Zone: 2/b	0.025m	0.014m	0.025m
Zone: 3/a	0.025m	0.014m	0.025m
Zone: 3/b	0.025m	0.014m	0.025m
Zone: 4/a	0.025m	0.014m	0.025m
Zone: 4/b	0.025m	0.014m	0.025m

## Edge Excesses

Sail:	Luff	Leech	Foot
	0.020m	0.020m	0.020m

## Total Seam Lengths (m)

Horizontal	32.36
Radial/Vertical	341.41
Bi-Radial Split	17.52

## Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	135.01	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\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 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 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\9,4b\9,4b\8,4b\7,4b\6 4b\5,4b\4,4b\3,4b\2,4b\1

