

Asymmetric: 7000825 Alexander Asy spin.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need Confrim Order\7000825 Alexander7

Initial Design Date: 30/8/2023
Boat:

Comments:

Client:

Design Data
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Asymmetric

Measurements

Luff length (SLU):	20.000m	
Leech length (SLE):	17.647m	
Foot length (SFL):	9.537m	
Headboard Width:	0.010m	
Three-quarter width:	4.421m	Closest Pt: 3.923m
Half width (SHW):	7.457m	Closest Pt: 6.927m
Quarter width:	8.882m	Closest Pt: 8.535m
ORC Area:	123.497m ²	
IRC Area:	123.003m ²	
Surface Area:	122.812m ²	
Hoist height:	19.500m	
J:	5.610m	

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% [0.418m])

100% (19.983m) :	0.000m	0.000m
88% (17.535m) :	-0.088m	0.516m
76% (15.192m) :	-0.150m	1.004m
65% (13.057m) :	-0.212m	1.331m
55% (11.072m) :	-0.282m	1.444m
46% (9.170m) :	-0.338m	1.397m
37% (7.320m) :	-0.364m	1.236m
27% (5.493m) :	-0.337m	0.998m
18% (3.666m) :	-0.255m	0.698m
9% (1.835m) :	-0.138m	0.352m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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Seam Allowances

Zone:	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
Sail:	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	23.87
Radial/Vertical	337.88
Bi-Radial Split	12.02

Materials

Material	Area (m ²)	Panels
Material 1	123.51	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

