

Asymetric: Morgan 27 A2 aspin Far East Sails / MichaelDesign: Azure Project v6.009, Sandy Goodall

Design Info
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Design File:
E:\Dropbox\Dropbox\Mike computer\Fareast Sails Production\2019\3001210 Charles-1-2\Morgan 27 A2 aspin\Morgan

Initial Design Date: 1/1/2020
Boat:
Morgan 27
Client:
Far East Sails / Michael

Design: Azure Project v6.009, Sandy Goodall

Comments:
Morgan 27, FR A2 aspin, 547.8 sq.ft.
Material: 0.75 oz (all yellow)
I = 35.5 ft, J = 11.25 ft
aspin hoist height = 38.0 ft
Luff = 36.50 ft
Leech = 31.11 ft
SMW = 19.25 ft (at 50%% - 50%% height)
Foot = 20.25 ft
radial seams = 15 mm, zone seams = 25 mm
radial patches

Design Data
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Asymmetric

Measurements

Luff length (SLU):	11.125m	
Leech length (SLE):	9.482m	
Foot length (SFL):	6.172m	
Headboard Width:	0.030m	
Three-quarter width:	3.659m	Closest Pt: 2.688m
Half width (SHW):	5.866m	Closest Pt: 5.246m
Quarter width:	6.495m	Closest Pt: 6.177m
ORC/IRC Area:	50.892m?	
Surface Area:	50.892m?	

Luff Curve

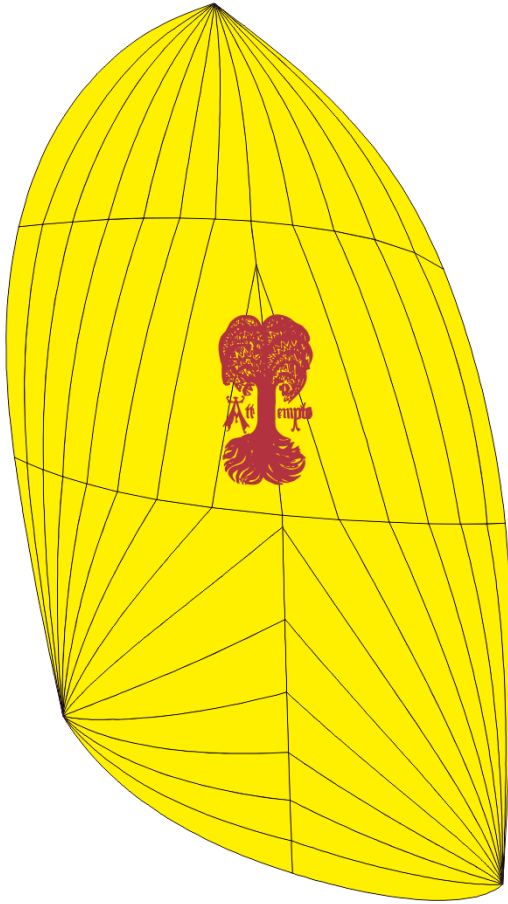
15.500m,	0.000m
11.625m,	0.000m
7.750m,	0.000m
3.875m,	0.000m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.:Before BSeam

100% (11.029m) :	0.000m	0.000m
79% (8.686m) :	-0.352m	0.975m
66% (7.322m) :	-0.583m	1.380m
57% (6.258m) :	-0.676m	1.480m
48% (5.294m) :	-0.669m	1.474m
40% (4.378m) :	-0.608m	1.373m
32% (3.488m) :	-0.514m	1.196m
24% (2.611m) :	-0.401m	0.954m
16% (1.741m) :	-0.280m	0.660m
8% (0.872m) :	-0.149m	0.334m
0% (0.000m) :	0.000m	0.000m

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Seam Allowances

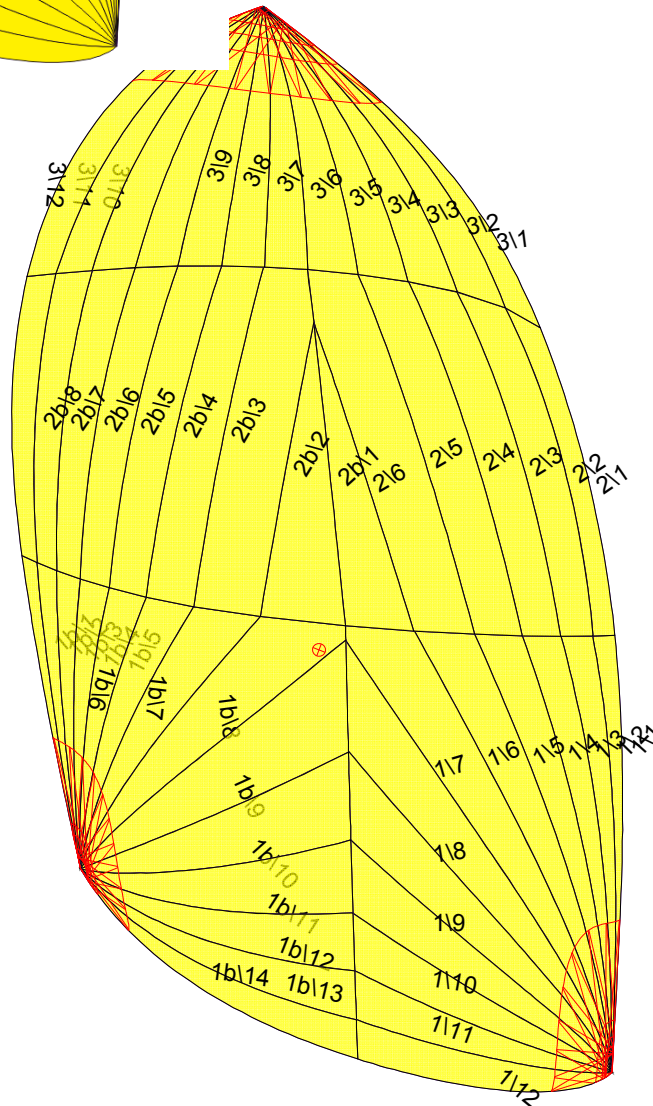
	Split	Radial	Cross
Zone: 1/a	0.025m	0.015m	0.025m
Zone: 1/b	0.025m	0.015m	0.025m
Zone: 2/a	0.025m	0.015m	0.025m
Zone: 2/b	0.025m	0.015m	0.025m
Zone: 3	0.025m	0.015m	0.025m

Edge Excesses

Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

Materials

Material	Area (m ²)	Panels
Material 1	51.09	1\1, 1\2, 1\3, 1\4, 1\5 1\6, 1\7, 1\8, 1\9, 1\10 1\11, 1\12, 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, 2\1, 2\2, 2\3, 2\4 2\5, 2\6, 2b\1, 2b\2, 2b\3 2b\4, 2b\5, 2b\6, 2b\7, 2b\8 3\1, 3\2, 3\3, 3\4, 3\5 3\6, 3\7, 3\8, 3\9, 3\10 3\11, 3\12



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