

Gaff Sail: 7000217 Lee-1 Gaff schooner main.des

Design Info

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Design File:

F:\Dropbox\Dropbox-20221019\Dropbox20221213\Dropbox\Fareast Sails\2023 Order\Need Confrim Order\7000217 Le

Initial Design Date: 21/2/2023

Boat:

Comments:

Client:

Design Data

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Gaff - High Aspect Ratio

Measurements

Luff Geodesic:	7.030m
Leech Geodesic:	8.355m
Foot Geodesic:	6.730m
Head Geodesic:	3.739m
Diagonal Girth:	8.734m
Foot Median:	7.291m
Girth (50%-50%):	5.167m
Surface Area:	39.677m?

Reefing Points

1, Luff: 1.257m ; Leech: 1.284m ; Offset: -0.070m ; Number Eyelets: 6
2, Luff: 2.625m ; Leech: 2.668m ; Offset: -0.070m ; Number Eyelets: 6

Luff Curve

7.030m,	0.000m
5.272m,	-0.037m
3.515m,	-0.049m
1.757m,	-0.037m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.335m])

100% (9.739m) :	-0.000m
94% (9.121m) :	0.645m
83% (8.108m) :	1.417m
74% (7.187m) :	1.929m
63% (6.125m) :	1.990m
52% (5.099m) :	1.674m
42% (4.075m) :	1.353m
31% (3.053m) :	1.025m
21% (2.033m) :	0.688m
10% (1.017m) :	0.346m
0% (0.000m) :	0.000m

Before BSeam

0.000m
0.685m
1.527m
2.095m
2.185m
1.879m
1.539m
1.173m
0.787m
0.391m
0.000m

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Seam Allowances			
Zone: 1	Split	Radial	Cross
	0.032m	0.032m	0.032m

Edge Excesses			
Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	0.00
Radial/Vertical	61.32
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	32.89	5,6,7,8,9
Material 2	6.86	1,2,3,4

