

# Gaff Sail: 7000217 Lee-1 Gaff schooner mainV3.des

## Design Info

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## Design File:

\\Nas\工程部-专用文件\Queenie-跟进客户\Fareast Sails\2023 Order\Need Confrim Order\7000217 Lee\7000217 Lee-1

Initial Design Date: 7/3/2023  
Boat:

Comments:

Client:

## Design Data

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### Gaff - High Aspect Ratio

#### Measurements

Luff Geodesic:	7.250m
Leech Geodesic:	8.800m
Foot Geodesic:	6.800m
Head Geodesic:	3.520m
Diagonal Girth:	9.750m
Foot Median:	7.996m
Girth (50%-50%):	5.131m
Surface Area:	41.141m <sup>2</sup>

#### Reefing Points

1, Luff: 1.260m ; Leech: 1.376m ; Offset: 0.000m ; Number Eyelets: 5  
2, Luff: 2.635m ; Leech: 2.863m ; Offset: 0.000m ; Number Eyelets: 5

#### Luff Slides

1, Position: 0.400m  
2, Position: 1.117m  
3, Position: 1.833m  
4, Position: 2.550m  
5, Position: 3.267m  
6, Position: 3.983m  
7, Position: 4.700m  
8, Position: 5.417m  
9, Position: 6.133m  
10, Position: 6.850m

#### Luff Curve

7.250m,	0.000m
5.437m,	-0.038m
3.625m,	-0.051m
1.812m,	-0.038m
0.000m,	0.000m

#### Fanned Luff (@ 5.00% [0.339m])

100% (9.317m) :	0.000m
95% (8.829m) :	0.687m
85% (7.929m) :	1.650m
76% (7.087m) :	2.308m
65% (6.046m) :	2.206m
54% (5.033m) :	1.857m
43% (4.021m) :	1.499m
32% (3.012m) :	1.133m
22% (2.007m) :	0.761m
11% (1.002m) :	0.381m
0% (0.000m) :	0.000m

#### Before BSeam

0.000m
0.730m
1.773m
2.494m
2.416m
2.064m
1.681m
1.277m
0.858m
0.427m
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	64.49
Bi-Radial Split	0.00

Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	41.21	1,2,3,4,5 6,7,8,9,10 11

