

Gaff Sail: 8000333 Geoffrey -4 Main Gaff.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000333 Geoffrey

Initial Design Date: 3/4/2024
Boat:

Comments:

Client:

Design Data
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Gaff - High Aspect Ratio

Measurements

Luff Geodesic:	8.010m
Leech Geodesic:	9.710m
Foot Geodesic:	7.430m
Head Geodesic:	6.250m
Diagonal Girth:	9.450m
Foot Median:	8.038m
Girth (50%-50%):	6.686m
Surface Area:	57.603m?

Reefing Points

1, Luff: 2.809m ; Leech: 2.748m ; Offset: 0.000m ; Number Eyelets: 6
2, Luff: 5.618m ; Leech: 5.469m ; Offset: 0.000m ; Number Eyelets: 6

Luff Slides

1, Position: 0.386m
2, Position: 0.868m
3, Position: 1.351m
4, Position: 1.833m
5, Position: 2.316m
6, Position: 2.799m
7, Position: 3.281m
8, Position: 3.764m
9, Position: 4.246m
10, Position: 4.729m
11, Position: 5.211m
12, Position: 5.694m
13, Position: 6.177m
14, Position: 6.659m
15, Position: 7.142m
16, Position: 7.624m

Foot Slides

1, Position: 0.484m
2, Position: 1.023m
3, Position: 1.561m
4, Position: 2.100m
5, Position: 2.638m
6, Position: 3.177m
7, Position: 3.715m
8, Position: 4.253m
9, Position: 4.792m
10, Position: 5.330m
11, Position: 5.869m
12, Position: 6.407m
13, Position: 6.946m

Luff Curve

8.010m,	0.000m
6.008m,	0.000m
4.005m,	0.000m
2.002m,	0.000m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.369m])

100% (12.952m) :	0.000m
90% (11.704m) :	0.683m
81% (10.468m) :	1.355m
71% (9.223m) :	2.029m
62% (7.979m) :	2.709m
51% (6.568m) :	2.634m
41% (5.259m) :	2.099m
30% (3.944m) :	1.571m
20% (2.633m) :	1.043m
10% (1.315m) :	0.517m
0% (0.000m) :	0.000m

Before BSeam

-0.000m
0.813m
1.598m
2.358m
3.083m
2.983m
2.397m
1.800m
1.200m
0.595m
0.000m

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Seam Allowances			
Zone: 1	Split	Radial	Cross
	0.038m	0.038m	0.038m

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

Total Seam Lengths (m)

Horizontal	43.57
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
8oz p	57.42	1,2,3,4,5 6,7,8,9

