

Gaff Sail: 7001226 David Gaff sail.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need to be Confirmed\7001226 David\700

Initial Design Date: 28/12/2023
Boat:

Comments:

Client:

Design Data
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Gaff - High Aspect Ratio

Measurements

Luff Geodesic:	5.250Ft
Leech Geodesic:	14.922Ft
Foot Geodesic:	11.333Ft
Head Geodesic:	11.000Ft
Diagonal Girth:	11.500Ft
Foot Median:	7.082Ft
Girth (50%-50%):	9.805Ft
Surface Area:	95.310Ft?

Reefing Points

1, Luff: 2.022Ft ; Leech: 2.098Ft ; Offset: 0.000Ft ; Number Eyelets: 3

Foot Slides

1, Position: 1.246Ft
2, Position: 2.509Ft
3, Position: 3.772Ft
4, Position: 5.035Ft
5, Position: 6.298Ft
6, Position: 7.561Ft
7, Position: 8.824Ft
8, Position: 10.087Ft

Luff Curve

5.250Ft,	0.000Ft
3.937Ft,	-0.039Ft
2.625Ft,	-0.051Ft
1.312Ft,	-0.039Ft
0.000Ft,	0.000Ft

Fanned Luff (@ 5.00% [0.564Ft])

100% (16.079Ft) :	-0.000Ft	0.000Ft
90% (14.492Ft) :	0.259Ft	0.325Ft
80% (12.858Ft) :	0.495Ft	0.633Ft
70% (11.255Ft) :	0.685Ft	0.886Ft
60% (9.634Ft) :	0.847Ft	1.099Ft
50% (8.015Ft) :	0.977Ft	1.255Ft
40% (6.391Ft) :	1.052Ft	1.321Ft
30% (4.766Ft) :	1.026Ft	1.252Ft
20% (3.170Ft) :	0.714Ft	0.873Ft
10% (1.584Ft) :	0.374Ft	0.458Ft
0% (0.000Ft) :	0.000Ft	0.000Ft

Before BSeam

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Seam Allowances			
Zone: 1	Split	Radial	Cross
	0.049Ft	0.049Ft	0.049Ft

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

Total Seam Lengths (Ft)

Horizontal	0.00
Radial/Vertical	37.92
Bi-Radial Split	0.00

Materials

Material	Area (Ft ²)	Panels
Material 1	95.37	1,2,3,4,5

