

# Gaff Sail: 8000415 Joseph-1 Gaffmain.des

Design Info  
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Design File:  
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000415 Joseph g

Initial Design Date: 16/4/2024  
Boat:

Comments:

Client:

Design Data  
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## Gaff - High Aspect Ratio

### Measurements

Luff Geodesic: 10.330Ft  
Leech Geodesic: 19.166Ft  
Foot Geodesic: 14.000Ft  
Head Geodesic: 9.750Ft  
Diagonal Girth: 16.420Ft  
Foot Median: 11.946Ft  
Girth (50%-50%): 10.680Ft  
Surface Area: 153.009Ft?

### Reefing Points

1, Luff: 4.068Ft ; Leech: 4.822Ft ; Offset: -0.230Ft ; Number Eyelets: 7

### Luff Curve

		Fanned Luff (@ 5.00% [0.694Ft])	Before BSeam
10.329Ft,	0.000Ft	100% (19.547Ft) :	0.000Ft
7.747Ft,	-0.076Ft	90% (17.613Ft) :	0.610Ft
5.165Ft,	-0.101Ft	80% (15.659Ft) :	1.200Ft
2.582Ft,	-0.076Ft	70% (13.713Ft) :	1.759Ft
0.000Ft,	0.000Ft	60% (11.759Ft) :	2.283Ft
		50% (9.777Ft) :	2.626Ft
		40% (7.811Ft) :	2.184Ft
		30% (5.850Ft) :	1.699Ft
		20% (3.894Ft) :	1.173Ft
		10% (1.945Ft) :	0.601Ft
		0% (0.000Ft) :	0.000Ft

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## Seam Allowances

	Split	Radial	Cross
Zone: 1	0.082Ft	0.082Ft	0.082Ft
Zone: 2	0.082Ft	0.082Ft	0.082Ft

## Edge Excesses

Sail:	Luff	Leech	Foot
	0.000Ft	0.000Ft	0.000Ft

## Total Seam Lengths (Ft)

Horizontal	70.32
Radial/Vertical	0.00
Bi-Radial Split	0.00

## Materials

Material	Area (Ft <sup>2</sup> )	Panels
Material 1	152.77	1\3,1\2,1\1,2\1,2\2 2\3,2\4,2\5,2\6,2\7

