

# Gaff Sail: 8000428 Greg-3 Junksail foresail.des

Design Info  
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Design File:  
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000428 Greg junk

Initial Design Date: 20/4/2024  
Boat:

Comments:

Client:

Design Data  
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## Gaff - High Aspect Ratio

### Measurements

Luff Geodesic: 3.251m  
 Leech Geodesic: 7.998m  
 Foot Geodesic: 4.877m  
 Head Geodesic: 4.064m  
 Diagonal Girth: 5.796m  
 Foot Median: 4.076m  
 Girth (50%-50%): 4.629m  
 Surface Area: 24.757m<sup>2</sup>

### Battens

Position	Length	Roach	Angle	Luff	Leech	Full
69.281%	3.982m	0.839m	106.198?	1.318m	5.466m	Full
50.465%	4.216m	0.922m	85.839?	1.097m	3.982m	Full
35.478%	4.567m	0.822m	76.443?	0.800m	2.799m	Full
18.211%	4.764m	0.462m	68.506?	0.452m	1.437m	Full

### Luff Curve

		Fanned Luff (@ 5.00% [0.243m])	Before BSeam
3.251m,	0.000m	100% (7.295m) :	0.000m
2.438m,	-0.010m	90% (6.567m) :	0.124m
1.626m,	-0.013m	80% (5.836m) :	0.240m
0.813m,	-0.010m	70% (5.107m) :	0.335m
0.386m,	-0.006m	60% (4.377m) :	0.417m
0.000m,	0.000m	50% (3.647m) :	0.480m
		40% (2.915m) :	0.465m
		30% (2.186m) :	0.373m
		20% (1.457m) :	0.259m
		10% (0.729m) :	0.128m
		0% (0.000m) :	0.000m

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Seam Allowances			
Zone: 1	Split	Radial	Cross
	0.025m	0.025m	0.025m

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

### Total Seam Lengths (m)

Horizontal	21.85
Radial/Vertical	0.00
Bi-Radial Split	0.00

### Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	24.63	1,2,3,4,5 6,7

