

# Gaff Sail: 8000428 Greg-2 Junksail mizzen.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: 27/4/2024  
 Boat:

Comments:

Client:

Design Data  
 =====

Gaff - High Aspect Ratio

Measurements

Luff Geodesic: 2.845m  
 Leech Geodesic: 4.926m  
 Foot Geodesic: 3.454m  
 Head Geodesic: 3.048m  
 Diagonal Girth: 4.275m  
 Foot Median: 3.248m  
 Girth (50%-50%): 3.588m  
 Surface Area: 13.308m?

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
66.666%	3.197m	0.429m	95.361?	1.255m	3.245m	Full
43.051%	3.463m	0.486m	85.987?	0.902m	2.096m	Full
20.547%	3.485m	0.254m	81.508?	0.486m	1.000m	Full

Luff Curve

		Fanned Luff (@ 5.00% [0.171m])	Before BSeam
2.845m,	0.000m	100% (5.686m) :	0.000m -0.000m
2.133m,	-0.009m	90% (5.121m) :	0.163m 0.236m
1.422m,	-0.011m	80% (4.550m) :	0.324m 0.467m
0.711m,	-0.009m	70% (3.983m) :	0.479m 0.689m
0.338m,	-0.005m	60% (3.413m) :	0.631m 0.895m
0.000m,	0.000m	50% (2.842m) :	0.779m 1.081m
		40% (2.262m) :	0.670m 0.932m
		30% (1.696m) :	0.504m 0.710m
		20% (1.131m) :	0.336m 0.477m
		10% (0.566m) :	0.167m 0.237m
		0% (0.000m) :	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	11.14
Radial/Vertical	0.00
Bi-Radial Split	0.00

### Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	13.17	1,2,3,4,5

