

Gaff Sail: 8000428 Greg-1 Junksail moonrise.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
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Gaff - High Aspect Ratio

Measurements

Luff Geodesic:	6.501m
Leech Geodesic:	11.902m
Foot Geodesic:	6.401m
Head Geodesic:	6.096m
Diagonal Girth:	9.114m
Foot Median:	7.344m
Girth (50%-50%):	7.101m
Surface Area:	61.144m ²

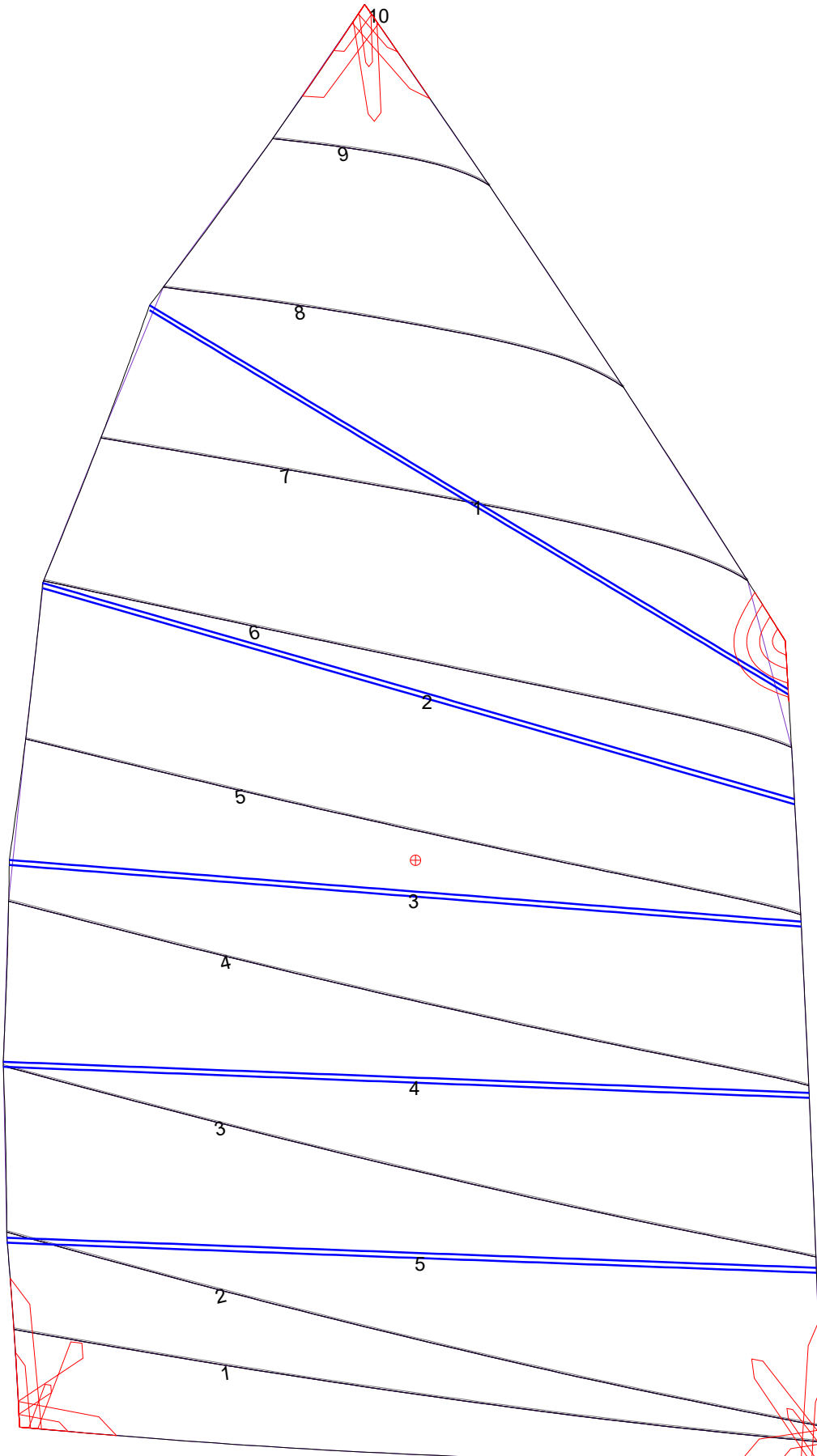
Battens

Position	Length	Roach	Angle	Luff	Leech	Full
73.116%	6.277m	1.253m	106.447?	3.154m	8.519m	Full
55.687%	6.619m	1.562m	91.923?	2.703m	6.488m	Full
39.066%	6.649m	1.229m	80.684?	2.201m	4.551m	Full
25.401%	6.645m	0.851m	78.502?	1.498m	2.959m	Full
13.153%	6.567m	0.465m	78.452?	0.780m	1.532m	Full

Luff Curve

		Fanned Luff (@ 5.00% [0.319m])	Before BSeam
6.501m,	0.000m	100% (12.285m) :	-0.000m
4.876m,	-0.020m	90% (11.070m) :	0.326m
3.251m,	-0.026m	80% (9.843m) :	0.644m
1.625m,	-0.021m	70% (8.622m) :	0.952m
0.771m,	-0.012m	60% (7.395m) :	1.252m
0.000m,	0.000m	50% (6.146m) :	1.429m
		40% (4.915m) :	1.150m
		30% (3.686m) :	0.864m
		20% (2.457m) :	0.576m
		10% (1.230m) :	0.286m
		0% (0.000m) :	0.000m

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Seam Allowances			
Zone:	Split	Radial	Cross
1	0.012m	0.012m	0.012m

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

Total Seam Lengths (m)

Horizontal	51.50
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	61.03	1,2,3,4,5 6,7,8,9,10