

Gaff Sail: 8000326 Chris gaffmainV4.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000326 Chris gaffmainV4.des

Initial Design Date: 15/5/2024
Boat:

Comments:

Client:

Design Data
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Gaff - High Aspect Ratio

Measurements

Luff Geodesic: 11.791Ft
 Leech Geodesic: 28.219Ft
 Foot Geodesic: 18.242Ft
 Head Geodesic: 14.190Ft
 Diagonal Girth: 21.040Ft
 Foot Median: 14.581Ft
 Girth (50%-50%): 15.282Ft
 Surface Area: 293.500Ft?

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
80.000%	1.958Ft	1.680Ft	90.000?	8.153Ft	22.379Ft	
60.000%	2.458Ft	1.961Ft	90.000?	4.729Ft	16.784Ft	
40.000%	2.458Ft	1.530Ft	90.000?	1.713Ft	11.190Ft	
20.000%	2.208Ft	0.832Ft	90.000?	2.551Ft	5.595Ft	

Reefing Points

- 1, Luff: 3.500Ft ; Leech: 3.702Ft ; Offset: -0.250Ft ; Number Eyelets: 7
- 2, Luff: 7.000Ft ; Leech: 7.505Ft ; Offset: -0.250Ft ; Number Eyelets: 6
- 3, Luff: 10.500Ft ; Leech: 11.500Ft ; Offset: -0.250Ft ; Number Eyelets: 5

Luff Slides

- 1, Position: 1.476Ft
- 2, Position: 2.950Ft
- 3, Position: 4.423Ft
- 4, Position: 5.965Ft
- 5, Position: 7.550Ft
- 6, Position: 8.918Ft
- 7, Position: 10.271Ft

Luff Curve

		Fanned Luff (@ 5.00% [0.908Ft])	Before BSeam
11.791Ft,	0.000Ft	100% (25.858Ft) :	-0.000Ft 0.000Ft
10.871Ft,	-0.020Ft	90% (23.284Ft) :	0.300Ft 0.415Ft
8.843Ft,	-0.055Ft	80% (20.692Ft) :	0.572Ft 0.794Ft
5.896Ft,	-0.074Ft	70% (18.108Ft) :	0.810Ft 1.129Ft
2.948Ft,	-0.058Ft	60% (15.518Ft) :	1.022Ft 1.414Ft
1.399Ft,	-0.032Ft	50% (12.926Ft) :	1.193Ft 1.622Ft
0.000Ft,	0.000Ft	40% (10.329Ft) :	1.133Ft 1.553Ft
		30% (7.744Ft) :	0.879Ft 1.233Ft
		20% (5.160Ft) :	0.604Ft 0.860Ft
		10% (2.580Ft) :	0.309Ft 0.436Ft
		0% (0.000Ft) :	0.000Ft 0.000Ft

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Seam Allowances

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

Edge Excesses

Sail:	Luff	Leech	Foot
	0.000Ft	0.000Ft	0.000Ft

Total Seam Lengths (Ft)

Horizontal	78.33
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (Ft ²)	Panels
Material 1	292.01	1,2,3,4,5 6,7

