

Gaff Sail: 8000415 Joseph-1 GaffmainV1.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: 26/4/2024
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 Slides

1, Position: 0.955Ft
2, Position: 1.921Ft
3, Position: 2.886Ft
4, Position: 3.852Ft
5, Position: 5.100Ft
6, Position: 6.131Ft
7, Position: 7.239Ft
8, Position: 8.276Ft
9, Position: 9.313Ft

Foot Slides

1, Position: 1.148Ft
2, Position: 2.319Ft
3, Position: 3.489Ft
4, Position: 4.659Ft
5, Position: 5.830Ft
6, Position: 7.000Ft
7, Position: 8.170Ft
8, Position: 9.341Ft
9, Position: 10.511Ft
10, Position: 11.681Ft
11, Position: 12.852Ft

Luff Curve

10.329Ft,	0.000Ft
7.747Ft,	-0.076Ft
5.165Ft,	-0.101Ft
2.582Ft,	-0.076Ft
0.000Ft,	0.000Ft

Fanned Luff (@ 5.00% [0.694Ft])

100% (19.547Ft) :	0.000Ft
90% (17.613Ft) :	0.510Ft
80% (15.659Ft) :	1.005Ft
70% (13.713Ft) :	1.479Ft
60% (11.759Ft) :	1.935Ft
50% (9.777Ft) :	2.245Ft
40% (7.811Ft) :	1.842Ft
30% (5.850Ft) :	1.418Ft
20% (3.894Ft) :	0.969Ft
10% (1.945Ft) :	0.492Ft
0% (0.000Ft) :	0.000Ft

Before BSeam

-0.000Ft
0.610Ft
1.200Ft
1.759Ft
2.283Ft
2.626Ft
2.184Ft
1.699Ft
1.173Ft
0.601Ft
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 ²)	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

