

Mainsail: 8000416 Albert battenless Mainsail.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000416 Albert M

Initial Design Date: 26/4/2024
Boat:

Comments:

Client:

Design Data
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Main

Measurements

Luff geodesic:	36.630Ft
Leech geodesic:	39.489Ft
Foot geodesic:	15.840Ft
Head geodesic:	0.377Ft
Upper width (MUW):	2.123Ft
Three-quarter width (MTW):	3.953Ft
Half width (MHW):	7.890Ft
Quarter width (MQW):	11.861Ft
Foot median:	37.801Ft
ORC Mainsail area:	291.124Ft?
Surface area:	293.904Ft?
Clew height:	0.328Ft
Mast rake:	0.000Ft

Reefing Points

- 1, Luff: 4.834Ft ; Leech: 5.360Ft ; Offset: 0.000Ft ; Number Eyelets: 3
- 2, Luff: 10.070Ft ; Leech: 11.117Ft ; Offset: 0.000Ft ; Number Eyelets: 3

Luff Slides

- 1, Position: 1.802Ft
- 2, Position: 4.060Ft
- 3, Position: 6.639Ft
- 4, Position: 8.974Ft
- 5, Position: 11.309Ft
- 6, Position: 13.645Ft
- 7, Position: 15.980Ft
- 8, Position: 18.315Ft
- 9, Position: 20.650Ft
- 10, Position: 22.985Ft
- 11, Position: 25.321Ft
- 12, Position: 27.656Ft
- 13, Position: 29.991Ft
- 14, Position: 32.326Ft
- 15, Position: 34.662Ft

Luff Curve

		Fanned Luff (@ 5.00% [0.789Ft])	Before BSeam
36.629Ft,	0.000Ft	100% (36.630Ft) :	0.000Ft
32.064Ft,	-0.085Ft	90% (32.968Ft) :	0.117Ft
27.472Ft,	-0.145Ft	80% (29.304Ft) :	0.232Ft
22.868Ft,	-0.171Ft	70% (25.641Ft) :	0.326Ft
18.314Ft,	-0.174Ft	60% (21.978Ft) :	0.385Ft
13.648Ft,	-0.161Ft	50% (18.315Ft) :	0.410Ft
9.157Ft,	-0.129Ft	40% (14.652Ft) :	0.400Ft
4.564Ft,	-0.073Ft	30% (10.989Ft) :	0.350Ft
0.000Ft,	0.000Ft	20% (7.326Ft) :	0.261Ft
		10% (3.663Ft) :	0.132Ft
		0% (0.000Ft) :	0.000Ft

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Seam Allowances			
Zone: 1	Split	Radial	Cross
	0.125Ft	0.125Ft	0.125Ft

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

Total Seam Lengths (Ft)

Horizontal	78.00
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (Ft ²)	Panels
Material 1	294.57	1,2,3,4,5 6,7,8,9,10

