

Mainsail: 7000326 Barry Mainsail.des

Design Info
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Design File:
\\Nas\工程部-专用文件\Queenie-跟进客户\Fareast Sails\2023 Order\Need Confrim Order\7000326 Barry\7000326 Barry

Initial Design Date: 30/3/2023
Boat:

Comments:

Client:

Design Data
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Main

Measurements

Luff geodesic:	23.720Ft
Leech geodesic:	25.160Ft
Foot geodesic:	9.206Ft
Head geodesic:	0.377Ft
Upper width (MUW):	1.741Ft
Three-quarter width (MTW):	3.136Ft
Half width (MHW):	5.559Ft
Quarter width (MQW):	7.533Ft
Foot median:	24.222Ft
ORC Mainsail area:	124.589Ft²
Surface area:	126.890Ft²
Clew height:	0.328Ft
Mast rake:	0.000Ft

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
80.000%	1.933Ft	0.396Ft	70.896?	18.963Ft	20.054Ft	
60.000%	2.762Ft	0.515Ft	70.896?	14.223Ft	15.041Ft	
40.000%	2.762Ft	0.469Ft	70.896?	9.484Ft	10.027Ft	
20.000%	2.302Ft	0.270Ft	70.896?	4.746Ft	5.014Ft	

Reefing Points

- 1, Luff: 3.438Ft ; Leech: 3.604Ft ; Offset: 0.000Ft ; Number Eyelets: 2
- 2, Luff: 6.758Ft ; Leech: 7.083Ft ; Offset: 0.000Ft ; Number Eyelets: 2

Draft Stripes

- 1, Luff: 7.826Ft ; Leech: 8.015Ft ;
- 2, Luff: 15.652Ft ; Leech: 16.345Ft ;

Luff Slides

- 1, Position: 2.373Ft
- 2, Position: 4.884Ft
- 3, Position: 7.480Ft
- 4, Position: 9.686Ft
- 5, Position: 11.853Ft
- 6, Position: 14.223Ft
- 7, Position: 16.593Ft
- 8, Position: 18.963Ft
- 9, Position: 21.342Ft

Foot Slides

- 1, Position: 1.476Ft
- 2, Position: 3.040Ft
- 3, Position: 4.603Ft
- 4, Position: 6.166Ft
- 5, Position: 7.730Ft

Luff Curve

		Fanned Luff (@ 5.00% [0.459Ft])	Before BSeam
23.720Ft,	0.000Ft	100% (23.720Ft) :	0.000Ft
20.764Ft,	-0.055Ft	90% (21.349Ft) :	0.093Ft
17.790Ft,	-0.094Ft	80% (18.976Ft) :	0.182Ft
14.808Ft,	-0.111Ft	70% (16.605Ft) :	0.250Ft
11.860Ft,	-0.113Ft	60% (14.232Ft) :	0.286Ft
8.838Ft,	-0.104Ft	50% (11.860Ft) :	0.291Ft
5.930Ft,	-0.083Ft	40% (9.488Ft) :	0.267Ft
2.956Ft,	-0.047Ft	30% (7.116Ft) :	0.218Ft
0.000Ft,	0.000Ft	20% (4.744Ft) :	0.151Ft
		10% (2.372Ft) :	0.073Ft
		0% (0.000Ft) :	0.000Ft

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Seam Allowances			
Zone: 1	Split	Radial	Cross
	0.000Ft	0.000Ft	0.082Ft

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

Total Seam Lengths (Ft)

Horizontal	37.23
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (Ft ²)	Panels
Material 1	126.69	1,2,3,4,5 6,7

