

# Mainsail: 7000334 Mick 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\7000334 Mick\7000334 Mick

Initial Design Date: 4/4/2023  
Boat:

Comments:

Client:

Design Data  
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## Main

### Measurements

Luff geodesic:	7.227m
Leech geodesic:	7.727m
Foot geodesic:	2.970m
Head geodesic:	0.115m
Upper width (MUW):	0.618m
Three-quarter width (MTW):	1.129m
Half width (MHW):	1.943m
Quarter width (MQW):	2.534m
Foot median:	7.454m
ORC Mainsail area:	12.911m?
Surface area:	13.370m?
Clew height:	0.100m
Mast rake:	0.000m

### Battens

Position	Length	Roach	Angle	Luff	Leech	Full
80.000%	1.007m	0.204m	69.796?	5.772m	6.150m	Full
60.000%	1.708m	0.265m	69.796?	4.328m	4.612m	Full
40.000%	2.242m	0.234m	69.796?	2.884m	3.075m	Full
20.000%	2.645m	0.135m	69.796?	1.441m	1.537m	Full

### Reefing Points

1, Luff: 1.200m ; Leech: 1.253m ; Offset: 0.000m ; Number Eyelets: 2

### Draft Stripes

1, Luff: 2.384m ; Leech: 2.430m ;  
2, Luff: 4.767m ; Leech: 4.977m ;

### Luff Curve

		Fanned Luff (@ 5.00% [0.148m])	Before BSeam
7.225m,	0.000m	100% (7.227m) :	0.000m
6.325m,	-0.049m	90% (6.505m) :	0.055m
5.419m,	-0.083m	80% (5.782m) :	0.107m
4.511m,	-0.098m	70% (5.059m) :	0.141m
3.612m,	-0.100m	60% (4.336m) :	0.158m
2.692m,	-0.093m	50% (3.614m) :	0.159m
1.806m,	-0.074m	40% (2.891m) :	0.147m
0.900m,	-0.042m	30% (2.168m) :	0.122m
0.000m,	0.000m	20% (1.445m) :	0.087m
		10% (0.723m) :	0.044m
		0% (0.000m) :	0.000m

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Seam Allowances			
Zone: 1	Split	Radial	Cross
	0.000m	0.000m	0.025m

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

Total Seam Lengths (m)

Horizontal	12.51
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	13.33	1,2,3,4,5 6,7

