

# Mainsail: 7000706 Trevor-1 Mainsail Farr5000 V1.des

Design Info  
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Design File:  
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need Confrim Order\7000706 Trevor\7000

Initial Design Date: 6/7/2023  
Boat:

Comments:

Client:

Design Data  
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## Main

### Measurements

Luff geodesic:	5.950m
Leech geodesic:	6.450m
Foot geodesic:	2.540m
Head geodesic:	0.115m
Upper width (MUW):	0.552m
Three-quarter width (MTW):	0.996m
Half width (MHW):	1.707m
Quarter width (MQW):	2.193m
Foot median:	6.103m
ORC Mainsail area:	9.255m?
Surface area:	9.628m?
Clew height:	0.054m
Mast rake:	0.000m

### Battens

Position	Length	Roach	Angle	Luff	Leech	Full
82.255%	0.858m	0.221m	90.000?	4.671m	5.279m	Full
61.439%	0.585m	0.354m	90.000?	3.234m	3.943m	
40.809%	0.585m	0.316m	90.000?	1.814m	2.619m	
20.000%	0.585m	0.177m	90.000?	0.388m	1.283m	

### Reefing Points

1, Luff: 0.770m ; Leech: 0.796m ; Offset: 0.000m ; Number Eyelets: 3

### Luff Curve

		Fanned Luff (@ 5.00% [0.127m])	Before BSeam
5.950m,	0.000m	100% (5.950m) :	0.000m
5.208m,	-0.014m	90% (5.355m) :	0.027m
4.462m,	-0.024m	80% (4.760m) :	0.050m
3.715m,	-0.028m	70% (4.165m) :	0.066m
2.975m,	-0.028m	60% (3.570m) :	0.073m
2.217m,	-0.026m	50% (2.975m) :	0.073m
1.487m,	-0.021m	40% (2.380m) :	0.069m
0.741m,	-0.012m	30% (1.785m) :	0.059m
0.000m,	0.000m	20% (1.190m) :	0.043m
		10% (0.595m) :	0.022m
		0% (0.000m) :	0.000m

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## Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1/a	0.025m	0.014m	0.025m
Zone: 1/b	0.025m	0.014m	0.025m
Zone: 2/a	0.025m	0.014m	0.025m
Zone: 2/b	0.025m	0.014m	0.025m
Zone: 3	0.025m	0.014m	0.025m

## Edge Excesses

Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

## Total Seam Lengths (m)

Horizontal	3.44
Radial/Vertical	40.18
Bi-Radial Split	4.16

## Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	9.63	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1b\1,1b\2 1b\3,1b\4,1b\5,1b\6,1b\7 1b\8,2\1,2\2,2\3,2b\1 2b\2,2b\3,3\1,3\2,3\3 3\4

