

# Mainsail: 7000518 Christopher Bavaria39 Cruiser RFMN.des

## Job Number:

### Design Info

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Job No:  
Initial Design Date: 24/5/2023  
Boat:

Client:

### Design File:

\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need Confrim Order\7000518 Christopher

Comments:

### Design Data

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#### Main

##### Measurements

Luff geodesic:	14.100m
Leech geodesic:	14.407m
Foot geodesic:	4.080m
Head geodesic:	0.030m
Upper width (MUW):	0.433m
Three-quarter width (MTW):	0.862m
Half width (MHW):	1.843m
Quarter width (MQW):	2.900m
Foot median:	14.118m
ORC Mainsail area:	26.980m?
Surface area:	26.649m?
Clew height:	0.300m
Mast rake:	0.000m

##### Luff Curve

14.100m,	0.000m
10.575m,	-0.019m
7.050m,	-0.025m
3.525m,	-0.018m
0.000m,	0.000m

##### Fanned Luff (@ 5.00% [0.203m])

100% (14.100m) :	-0.000m
90% (12.690m) :	0.007m
80% (11.280m) :	0.014m
70% (9.870m) :	0.018m
60% (8.460m) :	0.020m
50% (7.050m) :	0.020m
40% (5.640m) :	0.018m
30% (4.230m) :	0.015m
20% (2.820m) :	0.010m
10% (1.410m) :	0.004m
0% (0.000m) :	0.000m

##### Before BSeam

-0.000m
0.019m
0.037m
0.052m
0.062m
0.066m
0.065m
0.058m
0.044m
0.023m
0.000m

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### Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1	0.025m	0.025m	0.025m
Cover 1	0.000m	0.000m	0.000m
Cover 2	0.000m	0.000m	0.000m

### Edge Excesses

	Luff	Leech	Foot
Sail:	0.000m	0.000m	0.000m
Cover 0	0.000m	0.070m	0.070m
Cover 1	0.000m	0.070m	0.070m

### Total Seam Lengths (m)

Horizontal	20.70
Radial/Vertical	0.00
Bi-Radial Split	0.00

### Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	26.72	1,2,3,4,5 6,7,8,9,10 11,12

