

# Mainsail: 8000101 Peter Mainsail.des

Design Info  
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Design File:  
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000101 Peter\8000101 Peter

Initial Design Date: 28/7/2020  
Boat:

Comments:  
tack anglei 88.5 d

Client:

Design Data  
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## Main

### Measurements

Luff geodesic: 7.420m  
 Leech geodesic: 7.890m  
 Foot geodesic: 2.870m  
 Head geodesic: 0.105m  
 Upper width (MUW): 0.542m  
 Three-quarter width (MTW): 0.987m  
 Half width (MHW): 1.747m  
 Quarter width (MQW): 2.353m  
 Foot median: 7.615m  
 ORC Mainsail area: 12.191m?  
 Surface area: 12.510m?  
 Clew height: 0.025m  
 Mast rake: 0.200m

### Battens

Position	Length	Roach	Angle	Luff	Leech	Full
80.000%	0.857m	0.135m	71.398?	5.931m	6.285m	Full
60.000%	0.760m	0.178m	71.398?	4.448m	4.714m	
40.000%	0.760m	0.148m	71.398?	2.965m	3.143m	
20.000%	0.760m	0.084m	71.398?	1.483m	1.571m	

### Reefing Points

1, Luff: 1.600m ; Leech: 1.671m ; Offset: 0.000m ; Number Eyelets: 2  
 2, Luff: 2.499m ; Leech: 2.613m ; Offset: 0.000m ; Number Eyelets: 2

### Draft Stripes

1, Luff: 3.708m ; Leech: 3.863m ;

### Luff Slides

1, Position: 0.741m  
 2, Position: 1.483m  
 3, Position: 2.224m  
 4, Position: 2.965m  
 5, Position: 3.707m  
 6, Position: 4.448m  
 7, Position: 5.189m  
 8, Position: 6.675m

### Luff Curve

		Fanned Luff (@ 5.00% [0.143m])	Before BSeam
7.420m,	0.000m	100% (7.420m) :	0.000m
6.495m,	-0.021m	90% (6.678m) :	0.011m
5.565m,	-0.036m	80% (5.936m) :	0.022m
4.632m,	-0.044m	70% (5.194m) :	0.028m
3.710m,	-0.045m	60% (4.452m) :	0.031m
2.765m,	-0.042m	50% (3.710m) :	0.031m
1.855m,	-0.033m	40% (2.968m) :	0.029m
0.925m,	-0.019m	30% (2.226m) :	0.024m
0.000m,	0.000m	20% (1.484m) :	0.018m
		10% (0.742m) :	0.009m
		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	12.31
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	12.50	1,2,3,4,5 6,7,8

