

# Mainsail: 7001122 Walter MainsailV2.des

Design Info  
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Design File:  
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need to be Confirmed\7001122 Walter\7001122 Walter

Initial Design Date: 29/11/2023  
Boat:

Comments:

Client:

Design Data  
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## Main

### Measurements

Luff geodesic: 36.631Ft  
 Leech geodesic: 38.130Ft  
 Foot geodesic: 11.666Ft  
 Head geodesic: 0.377Ft  
 Upper width (MUW): 2.306Ft  
 Three-quarter width (MTW): 4.211Ft  
 Half width (MHW): 7.385Ft  
 Quarter width (MQW): 9.820Ft  
 Foot median: 37.354Ft  
 ORC Mainsail area: 251.309Ft?  
 Surface area: 257.411Ft?  
 Clew height: 0.328Ft  
 Mast rake: 0.000Ft

### Battens

Position	Length	Roach	Angle	Luff	Leech	Full
80.000%	3.636Ft	0.755Ft	74.315?	29.288Ft	30.413Ft	Full
60.000%	6.382Ft	1.075Ft	74.315?	21.964Ft	22.810Ft	Full
40.000%	8.542Ft	0.964Ft	74.315?	14.641Ft	15.206Ft	Full
20.000%	10.286Ft	0.595Ft	74.315?	7.320Ft	7.603Ft	Full

### Reefing Points

1, Luff: 3.479Ft ; Leech: 3.569Ft ; Offset: 0.000Ft ; Number Eyelets: 3

### Draft Stripes

1, Luff: 12.085Ft ; Leech: 12.161Ft ;  
 2, Luff: 24.172Ft ; Leech: 24.764Ft ;

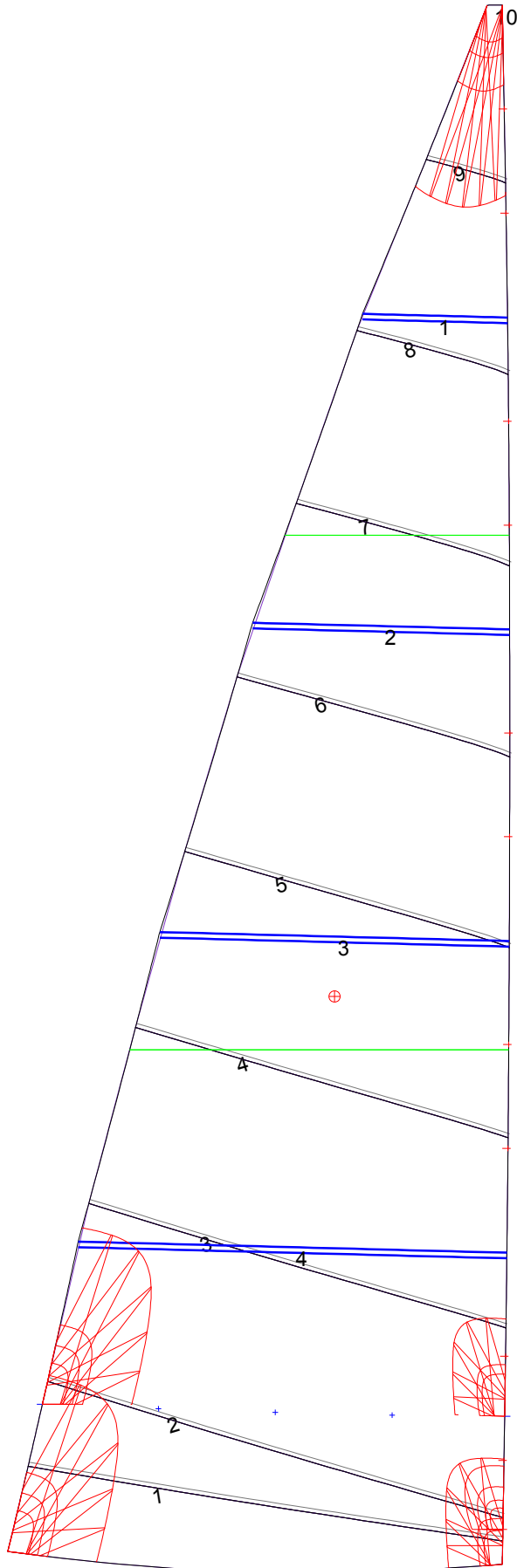
### Luff Slides

1, Position: 2.444Ft  
 2, Position: 4.888Ft  
 3, Position: 9.772Ft  
 4, Position: 12.211Ft  
 5, Position: 17.091Ft  
 6, Position: 19.531Ft  
 7, Position: 24.411Ft  
 8, Position: 26.851Ft  
 9, Position: 31.738Ft  
 10, Position: 34.185Ft

### Luff Curve

		Fanned Luff (@ 5.00% [0.580Ft])	Before BSeam
36.630Ft,	0.000Ft	100% (36.631Ft) :	0.000Ft
32.065Ft,	-0.085Ft	90% (32.968Ft) :	0.126Ft
27.472Ft,	-0.145Ft	80% (29.305Ft) :	0.244Ft
22.868Ft,	-0.171Ft	70% (25.642Ft) :	0.327Ft
18.314Ft,	-0.174Ft	60% (21.979Ft) :	0.370Ft
13.649Ft,	-0.161Ft	50% (18.315Ft) :	0.377Ft
9.157Ft,	-0.129Ft	40% (14.652Ft) :	0.352Ft
4.565Ft,	-0.073Ft	30% (10.989Ft) :	0.297Ft
0.000Ft,	0.000Ft	20% (7.326Ft) :	0.215Ft
		10% (3.663Ft) :	0.113Ft
		0% (0.000Ft) :	0.000Ft

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Seam Allowances			
Zone: 1	Split	Radial	Cross
	0.098Ft	0.098Ft	0.098Ft

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

## Total Seam Lengths (Ft)

Horizontal	69.21
Radial/Vertical	0.00
Bi-Radial Split	0.00

## Materials

Material	Area (Ft <sup>2</sup> )	Panels
Material 1	257.47	1,2,3,4,5 6,7,8,9,10