

# Mainsail: 7001101 Yves Farr38MH Mainsail.des

## Design Info =====

Design File:  
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need to be Confirmed\7001101 Yves\7001

Initial Design Date: 6/11/2023  
Boat:  
Farr 38MH  
Client:

Comments:

## Design Data =====

### Main

#### Measurements

Luff geodesic: 12.300m  
Leech geodesic: 13.100m  
Foot geodesic: 4.900m  
Head geodesic: 0.150m  
Upper width (MUW): 0.967m  
Three-quarter width (MTW): 1.776m  
Half width (MHW): 3.113m  
Quarter width (MQW): 4.126m  
Foot median: 12.628m  
ORC Mainsail area: 35.489m?  
Surface area: 36.533m?  
Clew height: 0.140m  
Mast rake: 0.000m

### Battens

Position	Length	Roach	Angle	Luff	Leech	Full
81.397%	1.469m	0.281m	70.280?	10.001m	10.615m	Full
61.046%	2.660m	0.400m	70.280?	7.500m	7.961m	Full
43.954%	3.436m	0.363m	70.280?	5.400m	5.732m	Full
20.896%	4.296m	0.222m	70.280?	2.570m	2.725m	Full

### Reefing Points

1, Luff: 1.540m ; Leech: 1.523m ; Offset: 0.000m ; Number Eyelets: 0  
2, Luff: 3.200m ; Leech: 3.174m ; Offset: 0.000m ; Number Eyelets: 0

### Draft Stripes

1, Luff: 3.073m ; Leech: 3.085m ;  
2, Luff: 6.146m ; Leech: 6.345m ;  
3, Luff: 9.221m ; Leech: 9.657m ;

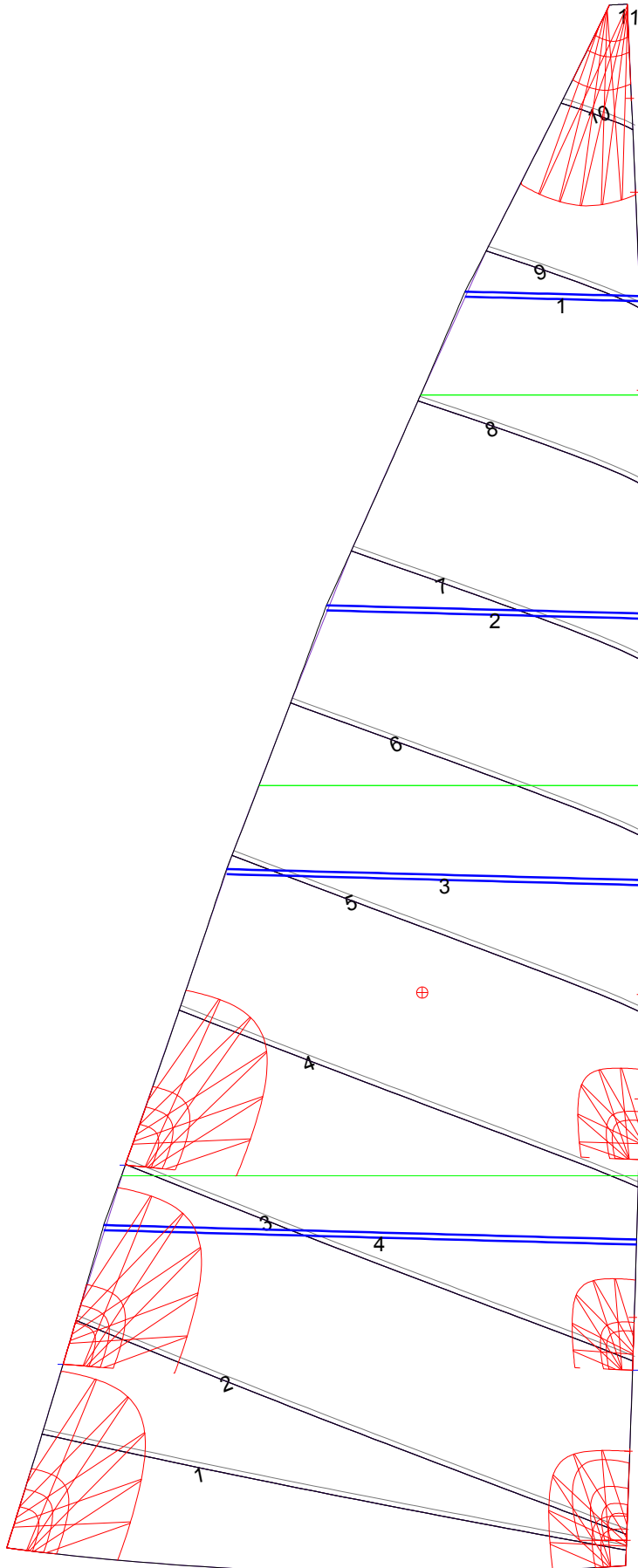
### Luff Slides

1, Position: 0.901m  
2, Position: 1.957m  
3, Position: 3.676m  
4, Position: 4.501m  
5, Position: 5.981m  
6, Position: 6.800m  
7, Position: 8.438m  
8, Position: 9.257m  
9, Position: 10.817m  
10, Position: 11.559m

### Luff Curve

		Fanned Luff (@ 5.00% [0.244m])	Before BSeam
12.297m,	0.000m	100% (12.300m) :	0.000m
11.056m,	-0.063m	90% (11.071m) :	0.080m
9.838m,	-0.106m	80% (9.840m) :	0.153m
8.596m,	-0.135m	70% (8.611m) :	0.205m
7.379m,	-0.150m	60% (7.380m) :	0.230m
5.558m,	-0.142m	50% (6.150m) :	0.230m
3.689m,	-0.111m	40% (4.920m) :	0.209m
1.953m,	-0.067m	30% (3.690m) :	0.174m
0.000m,	0.000m	20% (2.460m) :	0.126m
		10% (1.230m) :	0.065m
		0% (0.000m) :	0.000m

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Seam Allowances			
Zone:	Split	Radial	Cross
1	0.040m	0.040m	0.040m

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

Total Seam Lengths (m)

Horizontal	31.11
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	36.55	1,2,3,4,5 6,7,8,9,10 11