

# Mainsail: 6001110 Henning-Main.des

Design Info  
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Design File:  
F:\Dropbox\Dropbox\Fareast Sails\2022 Order\Need confirm order\6001110 Henning\6001110 Henning-Main.des

Initial Design Date: 24/11/2022  
Boat:

Comments:

Client:

Design Data  
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## Main

### Measurements

Luff geodesic: 6.692m  
 Leech geodesic: 7.080m  
 Foot geodesic: 2.564m  
 Head geodesic: 0.089m  
 Upper width (MUW): 0.461m  
 Three-quarter width (MTW): 0.837m  
 Half width (MHW): 1.500m  
 Quarter width (MQW): 2.068m  
 Foot median: 6.815m  
 ORC Mainsail area: 9.586m?  
 Surface area: 9.743m?  
 Clew height: 0.100m  
 Mast rake: 0.000m

### Battens

Position	Length	Roach	Angle	Luff	Leech	Full
80.000%	0.537m	0.089m	71.047?	5.350m	5.655m	
60.000%	0.767m	0.120m	71.047?	4.012m	4.241m	
40.000%	0.767m	0.102m	71.047?	2.675m	2.828m	
20.000%	0.650m	0.058m	71.047?	1.337m	1.414m	

### Reefing Points

1, Luff: 1.003m ; Leech: 1.050m ; Offset: 0.000m ; Number Eyelets: 2

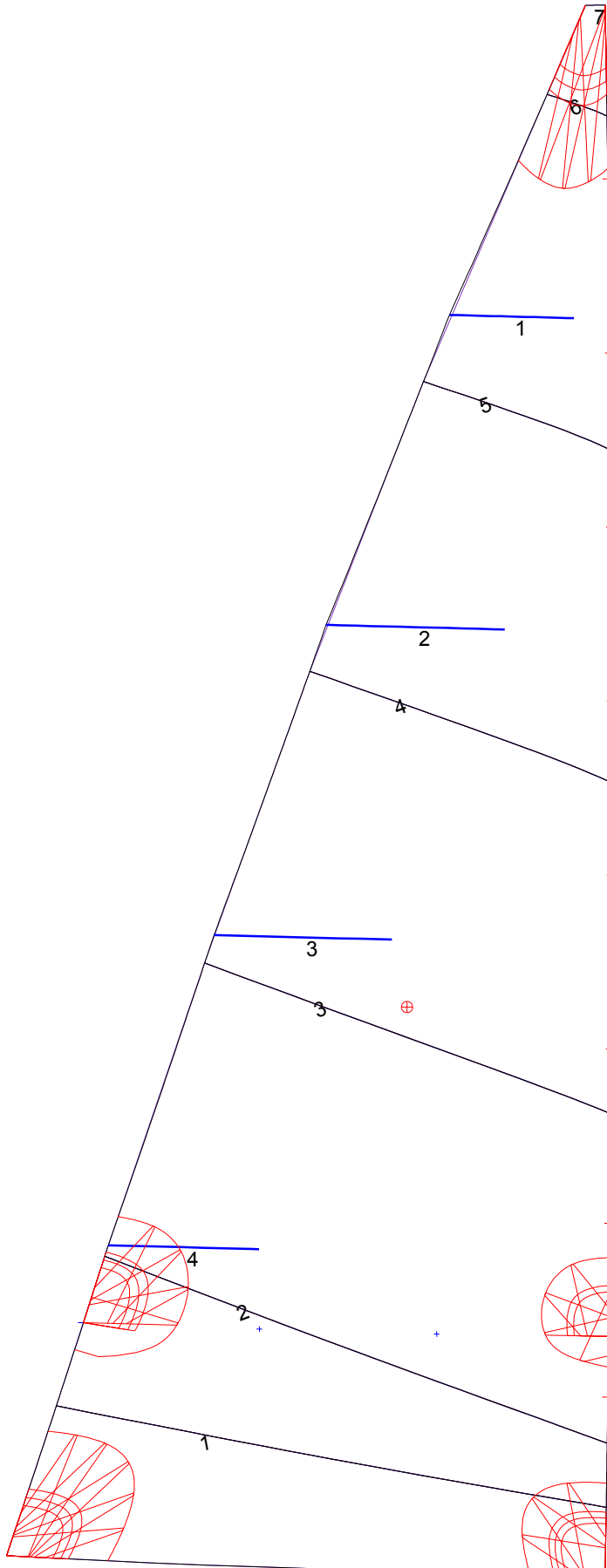
### Luff Slides

- 1, Position: 0.744m
- 2, Position: 1.487m
- 3, Position: 2.231m
- 4, Position: 2.974m
- 5, Position: 3.718m
- 6, Position: 4.461m
- 7, Position: 5.205m
- 8, Position: 5.948m

### Luff Curve

		Fanned Luff (@ 5.00% [0.128m])	Before BSeam
6.692m,	0.000m	100% (6.692m) :	0.000m -0.000m
5.858m,	-0.014m	90% (6.023m) :	0.009m 0.023m
5.019m,	-0.024m	80% (5.354m) :	0.017m 0.043m
4.178m,	-0.029m	70% (4.684m) :	0.021m 0.058m
3.346m,	-0.030m	60% (4.015m) :	0.023m 0.066m
2.493m,	-0.028m	50% (3.346m) :	0.023m 0.068m
1.673m,	-0.022m	40% (2.677m) :	0.021m 0.065m
0.834m,	-0.013m	30% (2.008m) :	0.018m 0.055m
0.000m,	0.000m	20% (1.338m) :	0.013m 0.040m
		10% (0.669m) :	0.007m 0.021m
		0% (0.000m) :	0.000m 0.000m

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Seam Allowances			
Zone: 1	Split	Radial	Cross
	0.000m	0.000m	0.013m

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

### Total Seam Lengths (m)

Horizontal	9.23
Radial/Vertical	0.00
Bi-Radial Split	0.00

### Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	9.73	1,2,3,4,5 6,7