

Mainsail: 6001019 Palmiro.des

Design Info
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Design File:
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Initial Design Date: 16/11/2022
Boat:

Comments:

Client:

Design Data
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Main

Measurements

Luff geodesic: 10.741m
 Leech geodesic: 11.368m
 Foot geodesic: 4.029m
 Head geodesic: 0.115m
 Upper width (MUW): 0.748m
 Three-quarter width (MTW): 1.382m
 Half width (MHW): 2.463m
 Quarter width (MQW): 3.311m
 Foot median: 11.028m
 ORC Mainsail area: 24.779m?
 Surface area: 25.483m?
 Clew height: 0.100m
 Mast rake: 0.000m

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
80.000%	0.844m	0.216m	71.355?	8.588m	9.061m	
60.000%	1.205m	0.290m	71.355?	6.441m	6.796m	
40.000%	1.205m	0.247m	71.355?	4.293m	4.530m	
20.000%	1.200m	0.141m	71.355?	2.147m	2.265m	

Reefing Points

1, Luff: 1.557m ; Leech: 1.623m ; Offset: 0.000m ; Number Eyelets: 2
 2, Luff: 3.221m ; Leech: 3.359m ; Offset: 0.000m ; Number Eyelets: 2

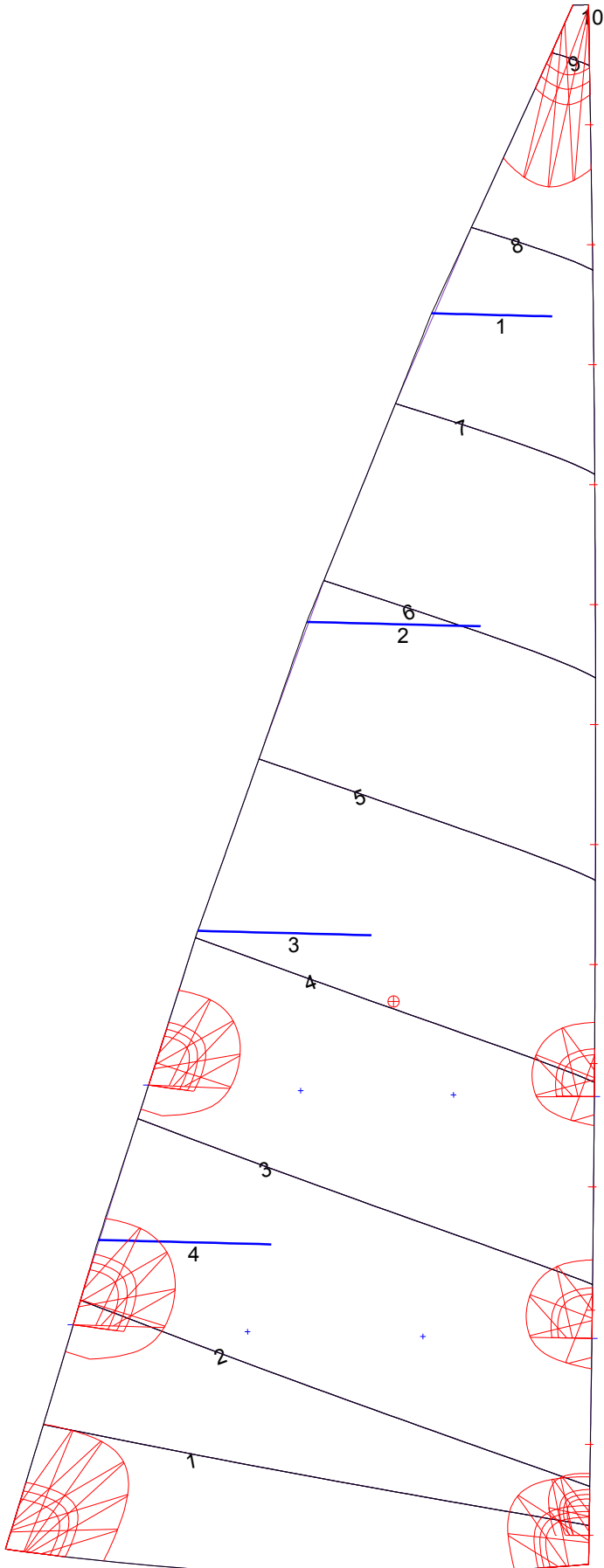
Luff Slides

1, Position: 0.826m
 2, Position: 1.750m
 3, Position: 2.600m
 4, Position: 3.450m
 5, Position: 4.131m
 6, Position: 4.957m
 7, Position: 5.784m
 8, Position: 6.610m
 9, Position: 7.436m
 10, Position: 8.262m
 11, Position: 9.089m
 12, Position: 9.915m

Luff Curve

		Fanned Luff (@ 5.00% [0.201m])	Before BSeam
10.741m,	0.000m	100% (10.741m) :	0.000m
9.402m,	-0.022m	90% (9.667m) :	0.040m
8.056m,	-0.038m	80% (8.593m) :	0.079m
6.705m,	-0.047m	70% (7.519m) :	0.109m
5.370m,	-0.048m	60% (6.445m) :	0.126m
4.002m,	-0.045m	50% (5.371m) :	0.128m
2.685m,	-0.036m	40% (4.296m) :	0.117m
1.338m,	-0.020m	30% (3.222m) :	0.095m
0.000m,	0.000m	20% (2.148m) :	0.065m
		10% (1.074m) :	0.031m
		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	21.52
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	25.49	1,2,3,4,5 6,7,8,9,10