

Mainsail: 5000905 Víctor Main-1 -V2.des

Design Info
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Design File:
E:\Dropbox\Fareast Sails\2021\5000905 Víctor\5000905 Víctor Main-1 -V2.des

Initial Design Date: 3/12/2021
Boat:

Comments:

Client:

Design Data
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Main

Measurements

Luff geodesic: 11.940m
 Leech geodesic: 12.411m
 Foot geodesic: 3.700m
 Head geodesic: 0.089m
 Upper width (MUW): 0.675m
 Three-quarter width (MTW): 1.253m
 Half width (MHW): 2.253m
 Quarter width (MQW): 3.034m
 Foot median: 12.140m
 ORC Mainsail area: 25.182m?
 Surface area: 25.637m?
 Clew height: 0.100m
 Mast rake: 0.000m

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
80.000%	0.775m	0.184m	74.707?	9.546m	9.901m	
60.000%	1.107m	0.250m	74.707?	7.157m	7.426m	
40.000%	1.107m	0.208m	74.707?	4.768m	4.951m	
20.000%	0.923m	0.115m	74.707?	2.380m	2.475m	

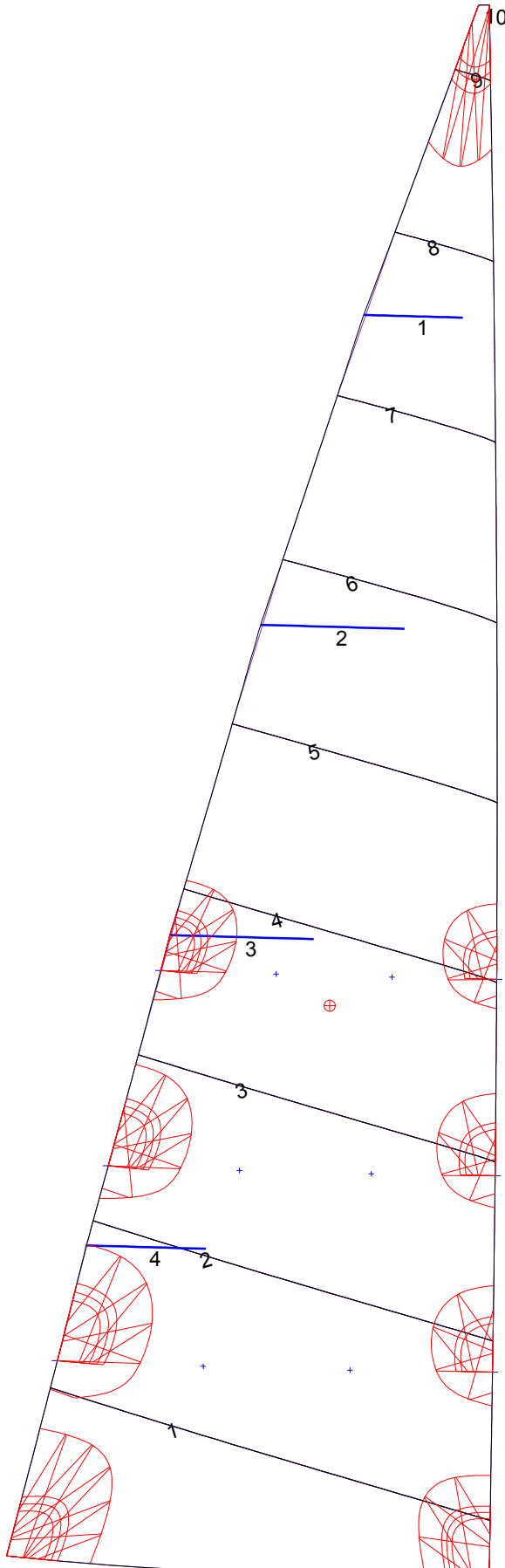
Reefing Points

1, Luff: 1.500m ; Leech: 1.547m ; Offset: 0.000m ; Number Eyelets: 2
 2, Luff: 3.000m ; Leech: 3.091m ; Offset: 0.000m ; Number Eyelets: 2
 3, Luff: 4.500m ; Leech: 4.635m ; Offset: 0.000m ; Number Eyelets: 2

Luff Curve

		Fanned Luff (@ 5.00% [0.184m])	Before BSeam
11.940m,	0.000m	100% (11.940m) :	0.000m
8.955m,	-0.045m	90% (10.746m) :	0.036m
5.970m,	-0.060m	80% (9.552m) :	0.071m
2.985m,	-0.045m	70% (8.358m) :	0.102m
0.000m,	0.000m	60% (7.164m) :	0.123m
		50% (5.970m) :	0.127m
		40% (4.776m) :	0.117m
		30% (3.582m) :	0.097m
		20% (2.388m) :	0.067m
		10% (1.194m) :	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	18.82
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	25.65	1,2,3,4,5 6,7,8,9,10