

Mainsail: 6000718 Val-Nonsuch 26 mainsail-V3-0827.des

Design Info
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Design File:
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Initial Design Date: 22/3/2021
Boat:

Comments:

Client:

Design Data
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Main

Measurements

Luff geodesic: 11.890m
Leech geodesic: 12.742m
Foot geodesic: 6.216m
Head geodesic: 0.115m
Upper width (MUW): 1.037m
Three-quarter width (MTW): 1.966m
Half width (MHW): 3.604m
Quarter width (MQW): 5.000m
Foot median: 12.181m
ORC Mainsail area: 40.819m?
Surface area: 42.177m?
Clew height: 0.331m
Mast rake: 0.209m

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
80.000%	1.297m	0.251m	68.184?	9.497m	10.167m	
60.000%	1.853m	0.303m	68.184?	7.120m	7.625m	
40.000%	1.853m	0.237m	68.184?	4.745m	5.084m	
20.000%	1.544m	0.136m	68.184?	2.372m	2.542m	

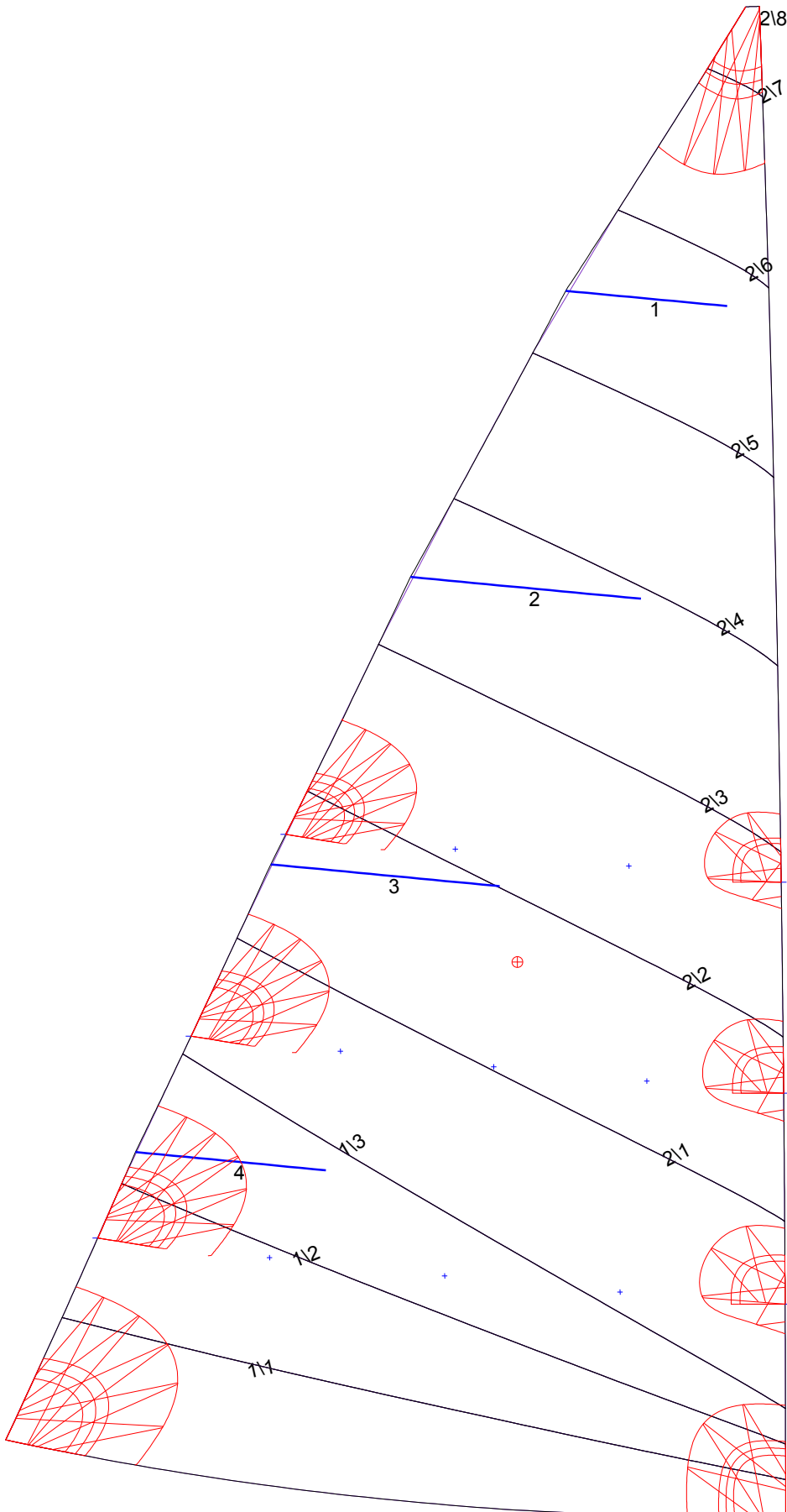
Reefing Points

1, Luff: 1.662m ; Leech: 1.755m ; Offset: 0.000m ; Number Eyelets: 3
2, Luff: 3.325m ; Leech: 3.511m ; Offset: 0.000m ; Number Eyelets: 3
3, Luff: 4.988m ; Leech: 5.267m ; Offset: 0.000m ; Number Eyelets: 2

Luff Curve

		Fanned Luff (@ 5.00% [0.307m])	Before BSeam
11.890m,	0.000m	100% (11.890m) :	0.000m
10.408m,	-0.025m	90% (10.702m) :	0.061m
8.917m,	-0.043m	80% (9.512m) :	0.117m
7.423m,	-0.051m	70% (8.323m) :	0.160m
5.945m,	-0.053m	60% (7.134m) :	0.190m
4.430m,	-0.049m	50% (5.945m) :	0.200m
2.972m,	-0.039m	40% (4.756m) :	0.191m
1.482m,	-0.022m	30% (3.567m) :	0.162m
0.000m,	0.000m	20% (2.378m) :	0.119m
		10% (1.190m) :	0.061m
		0% (0.000m) :	0.000m

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Seam Allowances

	Split	Radial	Cross
Zone: 1	0.000m	0.000m	0.035m
Zone: 2	0.000m	0.000m	0.035m

Edge Excesses

Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	37.68
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	42.21	1/1, 1/2, 1/3, 2/1, 2/2 2/3, 2/4, 2/5, 2/6, 2/7 2/8