Mainsail: 6000909-Main -V1-1015.des

Design Info
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Design File:
F:\Dropbox\Dropbox\Fareast Sails\2022 Order\Need confrim order\6000909 Marcel\6000909-Main -V1-1015.des

Comments:

Initial Design Date: 13/10/2022
Boat:

Client:

Design Data
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Main

Measurements

Luff geodesic:	11.761m
Leech geodesic:	12.351m
Foot geodesic:	4.098m
Head geodesic:	0.115m
Upper width (MUW):	0.779m
Three-quarter width (MTW):	1.439m
Half width (MHW):	2.543m
Quarter width (MQW):	3.392m
Foot median:	12.040m
ORC Mainsail area:	27.876m?
Surface area:	28.636m?
Clew height:	0.100m
Mast rake:	0.000m

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
80.000%	1.244m	0.246m	72.337?	9.410m	9.847m	Full
60.000%	2.194m	0.330m	72.337?	7.063m	7.385m	Full
40.000%	2.942m	0.281m	72.337?	4.717m	4.924m	Full
20.000%	3.556m	0.161m	72.337?	2.371m	2.462m	Full

Reefing Points

1, Luff: 1.764m ; Leech: 1.825m ; Offset: 0.000m ; Number Eyelets: 3
2, Luff: 3.527m ; Leech: 3.651m ; Offset: 0.000m ; Number Eyelets: 3

Luff Slides

1, Position: 0.784m
2, Position: 1.567m
3, Position: 3.134m
4, Position: 3.918m
5, Position: 5.485m
6, Position: 6.269m
7, Position: 7.836m
8, Position: 8.620m
9, Position: 10.190m
10, Position: 10.975m

Luff Curve

11.761m,	0.000m
10.295m,	-0.024m
8.820m,	-0.042m
7.342m,	-0.051m
5.880m,	-0.053m
4.382m,	-0.049m
2.940m,	-0.039m
1.466m,	-0.022m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.204m])		Before BSeam
100% (11.761m) :	0.000m	0.000m
90% (10.585m) :	0.014m	0.043m
80% (9.409m) :	0.026m	0.084m
70% (8.233m) :	0.033m	0.115m
60% (7.057m) :	0.036m	0.133m
50% (5.881m) :	0.036m	0.135m
40% (4.704m) :	0.033m	0.123m
30% (3.528m) :	0.028m	0.100m
20% (2.352m) :	0.020m	0.069m
10% (1.176m) :	0.010m	0.033m
0% (0.000m) :	0.000m	0.000m

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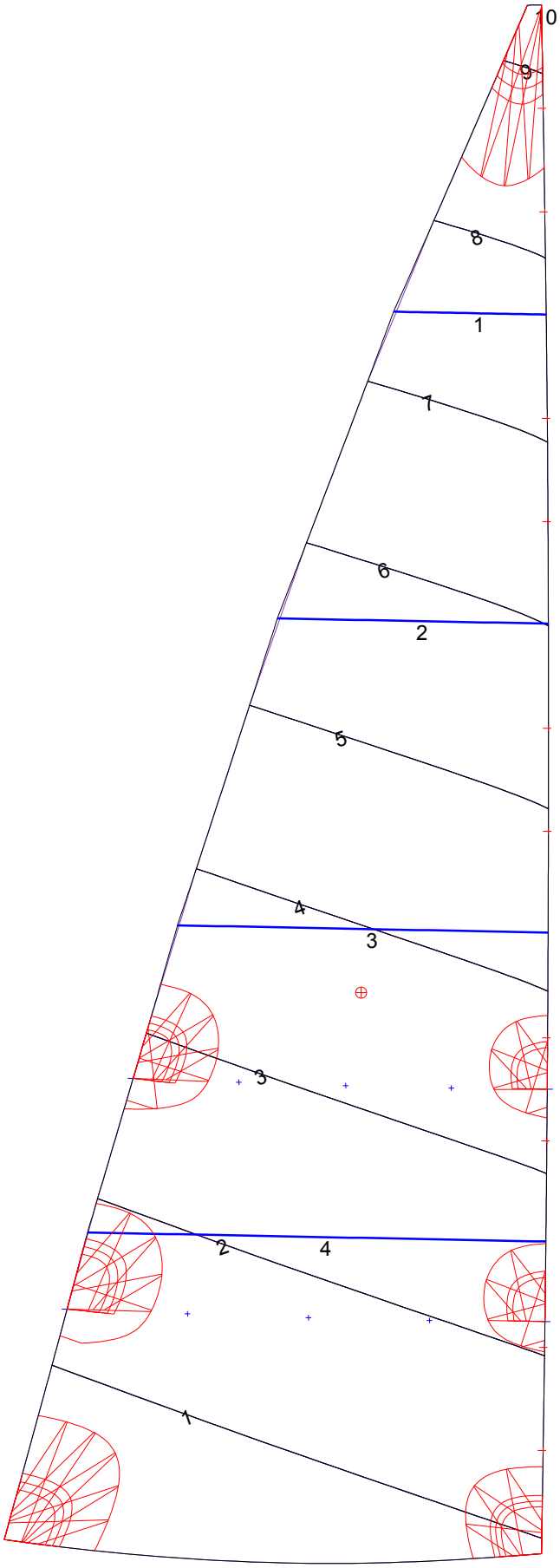

Seam Allowances

	Split	Radial	Cross
Zone: 1	0.000m	0.000m	0.025m

Edge Excesses

	Luff	Leech	Foot
Sail:	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	21.31
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m?	Panels
Material 1	28.64	1,2,3,4,5 6,7,8,9,10