Mainsail: 6000616 Main.des

Design Info
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Design File:
F:\Dropbox\Dropbox\Fareast Sails\2022 Order\Need confrim order\6000616 Jean-Paul\6000616 Main.des

Comments:

Initial Design Date: 14/7/2022
Boat:

Client:

Design Data
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Main

Measurements

Luff geodesic:	11.385m
Leech geodesic:	12.340m
Foot geodesic:	4.950m
Head geodesic:	0.115m
Upper width (MUW):	0.836m
Three-quarter width (MTW):	1.545m
Half width (MHW):	2.853m
Quarter width (MQW):	3.973m
Foot median:	11.777m
ORC Mainsail area:	31.040m?
Surface area:	31.870m?
Clew height:	-0.397m
Mast rake:	0.000m

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
83.204%	1.141m	0.142m	68.328?	9.468m	10.224m	Full
65.086%	2.118m	0.171m	68.328?	7.406m	7.998m	Full
47.568%	3.009m	0.187m	68.328?	5.412m	5.845m	Full
29.810%	3.798m	0.148m	68.328?	3.391m	3.663m	Full

Reefing Points

1, Luff: 1.480m ; Leech: 1.583m ; Offset: 0.000m ; Number Eyelets: 3
2, Luff: 2.959m ; Leech: 3.159m ; Offset: 0.000m ; Number Eyelets: 3
3, Luff: 4.439m ; Leech: 4.742m ; Offset: 0.000m ; Number Eyelets: 2
4, Luff: 5.919m ; Leech: 6.329m ; Offset: 0.000m ; Number Eyelets: 2

Luff Slides

1, Position: 1.130m
2, Position: 2.261m
3, Position: 4.065m
4, Position: 4.738m
5, Position: 6.077m
6, Position: 6.741m
7, Position: 8.093m
8, Position: 8.781m
9, Position: 10.107m
10, Position: 10.746m

Luff Curve

11.385m,	0.000m
9.966m,	-0.024m
8.538m,	-0.041m
7.107m,	-0.049m
5.692m,	-0.051m
4.242m,	-0.047m
2.846m,	-0.038m
1.419m,	-0.021m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.247m])		Before BSeam
100% (11.385m) :	0.000m	0.000m
90% (10.247m) :	0.013m	0.044m
80% (9.108m) :	0.024m	0.086m
70% (7.970m) :	0.031m	0.119m
60% (6.831m) :	0.033m	0.139m
50% (5.693m) :	0.033m	0.144m
40% (4.554m) :	0.030m	0.133m
30% (3.416m) :	0.025m	0.109m
20% (2.277m) :	0.018m	0.075m
10% (1.139m) :	0.009m	0.036m
0% (0.000m) :	0.000m	0.000m

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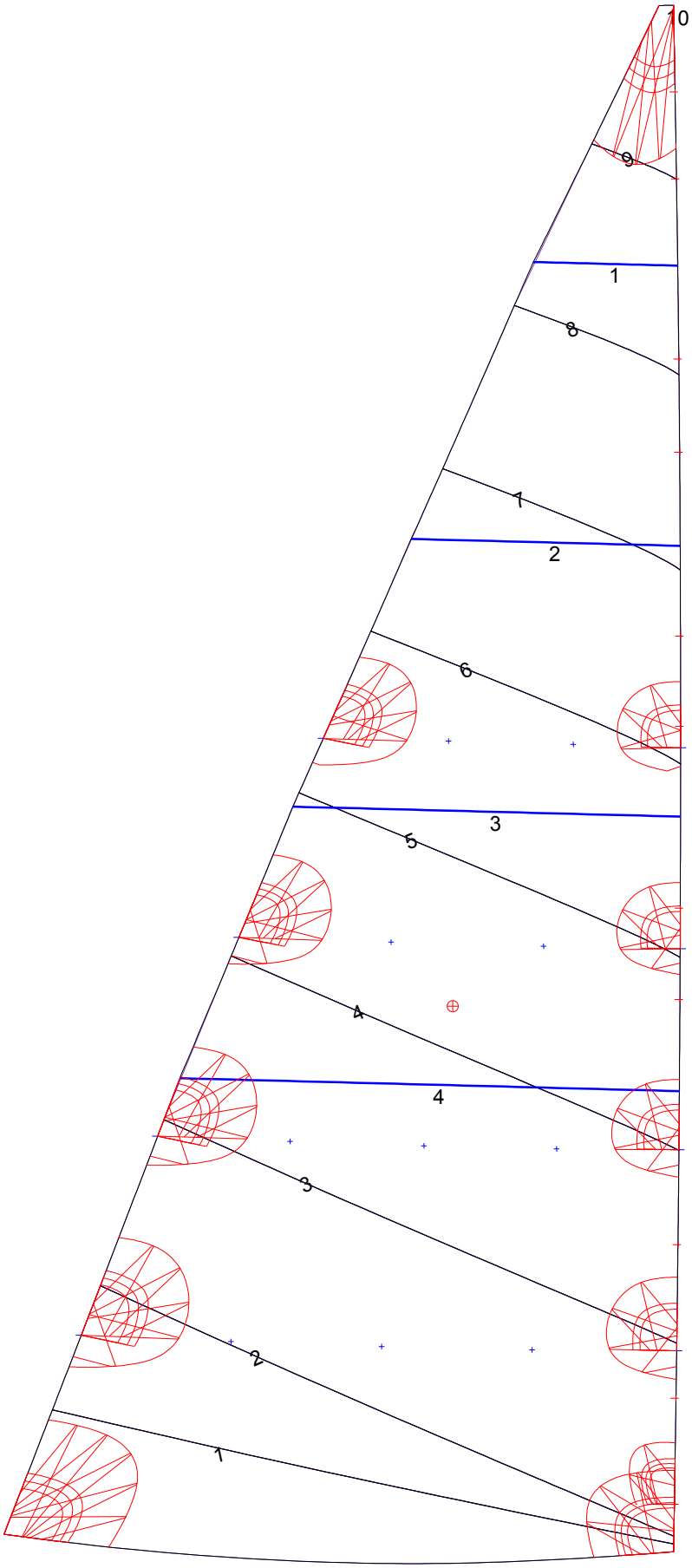

Seam Allowances

	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	27.19
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m?	Panels
Material 1	31.91	1,2,3,4,5 6,7,8,9,10