

Mainsail: 7000323 John mainsail.des

Design Info
=====

Design File:
\\Nas\工程部-专用文件\Queenie-跟进客户\Fareast Sails\2023 Order\Need Confrim Order\7000323 John\7000323 John

Initial Design Date: 19/4/2023
Boat:

Comments:

Client:

Design Data
=====

Main

Measurements

Luff geodesic:	11.383m
Leech geodesic:	11.721m
Foot geodesic:	3.137m
Head geodesic:	0.115m
Upper width (MUW):	0.659m
Three-quarter width (MTW):	1.173m
Half width (MHW):	2.006m
Quarter width (MQW):	2.635m
Foot median:	11.495m
ORC Mainsail area:	21.193m?
Surface area:	21.474m?
Clew height:	0.328m
Mast rake:	0.000m

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
81.566%	0.957m	0.215m	76.535?	9.280m	9.538m	Full
61.483%	1.687m	0.279m	76.535?	6.995m	7.189m	Full
40.774%	2.282m	0.246m	76.535?	4.639m	4.768m	Full
20.383%	2.744m	0.142m	76.535?	2.320m	2.383m	Full

Reefing Points

1, Luff: 1.707m ; Leech: 1.741m ; Offset: 0.000m ; Number Eyelets: 2
2, Luff: 3.414m ; Leech: 3.482m ; Offset: 0.000m ; Number Eyelets: 2

Draft Stripes

1, Luff: 3.755m ; Leech: 3.766m ;
2, Luff: 7.511m ; Leech: 7.638m ;

Luff Slides

1, Position: 0.759m
2, Position: 1.518m
3, Position: 3.035m
4, Position: 3.793m
5, Position: 5.309m
6, Position: 6.068m
7, Position: 7.585m
8, Position: 8.343m
9, Position: 9.862m
10, Position: 10.623m

Foot Slides

1, Position: 0.450m
2, Position: 0.897m
3, Position: 1.345m
4, Position: 1.792m
5, Position: 2.240m
6, Position: 2.687m

Luff Curve

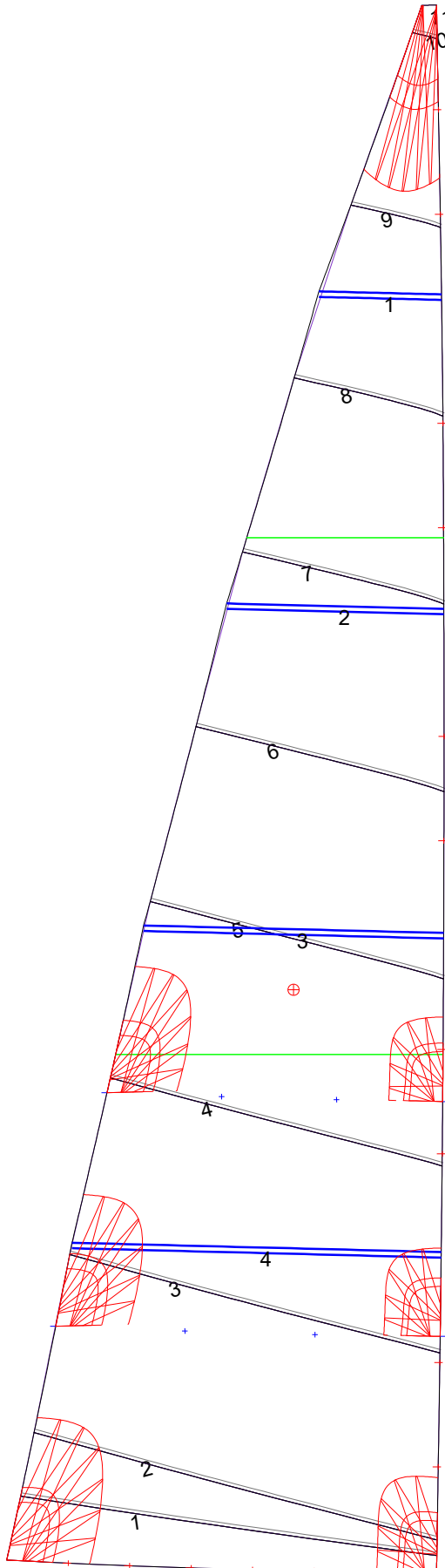
11.383m,	0.000m
9.964m,	-0.026m
8.537m,	-0.045m
7.106m,	-0.053m
5.691m,	-0.054m
4.241m,	-0.050m
2.846m,	-0.040m
1.418m,	-0.023m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.156m])

100% (11.383m) :	0.000m	-0.000m
90% (10.245m) :	0.015m	0.039m
80% (9.106m) :	0.028m	0.076m
70% (7.968m) :	0.035m	0.102m
60% (6.830m) :	0.038m	0.116m
50% (5.692m) :	0.038m	0.117m
40% (4.553m) :	0.035m	0.107m
30% (3.415m) :	0.030m	0.087m
20% (2.277m) :	0.022m	0.061m
10% (1.138m) :	0.012m	0.030m
0% (0.000m) :	0.000m	0.000m

Before BSeam

Mainsail: 7000323 John mainsail.des



Seam Allowances			
Zone: 1	Split	Radial	Cross
	0.025m	0.025m	0.025m

Edge Excesses			
Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	19.52
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	21.48	1,2,3,4,5 6,7,8,9,10 11