

Mainsail: 7000134 Glenn-1 Main.des

Design Info
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Design File:
\\Nas\工程部-专用文件\Queenie-跟进客户\Fareast Sails\2023 Order\Need Confrim Order\7000134 Glenn\7000134 Gle

Initial Design Date: 9/3/2023
Boat:

Comments:

Client:

Design Data
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Main

Measurements

Luff geodesic:	11.253m
Leech geodesic:	11.533m
Foot geodesic:	2.867m
Head geodesic:	0.115m
Upper width (MUW):	0.625m
Three-quarter width (MTW):	1.118m
Half width (MHW):	1.889m
Quarter width (MQW):	2.444m
Foot median:	11.347m
ORC Mainsail area:	19.539m ²
Surface area:	19.810m ²
Clew height:	0.030m
Mast rake:	0.000m

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
80.000%	0.971m	0.231m	77.766?	8.996m	9.206m	Full
60.000%	1.642m	0.300m	77.766?	6.746m	6.904m	Full
40.000%	2.156m	0.265m	77.766?	4.496m	4.603m	Full
20.000%	2.545m	0.153m	77.766?	2.246m	2.301m	Full

Reefing Points

- 1, Luff: 1.687m ; Leech: 1.712m ; Offset: 0.000m ; Number Eyelets: 2
- 2, Luff: 3.375m ; Leech: 3.425m ; Offset: 0.000m ; Number Eyelets: 2

Draft Stripes

- 1, Luff: 3.712m ; Leech: 3.709m ;
- 2, Luff: 7.425m ; Leech: 7.519m ;

Luff Slides

- 1, Position: 0.737m
- 2, Position: 1.475m
- 3, Position: 2.965m
- 4, Position: 3.718m
- 5, Position: 5.223m
- 6, Position: 5.976m
- 7, Position: 7.482m
- 8, Position: 8.235m
- 9, Position: 9.743m
- 10, Position: 10.498m

Foot Slides

- 1, Position: 0.400m
- 2, Position: 0.813m
- 3, Position: 1.227m
- 4, Position: 1.640m
- 5, Position: 2.053m
- 6, Position: 2.467m

Luff Curve

11.252m,	0.000m
9.850m,	-0.026m
8.439m,	-0.045m
7.025m,	-0.053m
5.626m,	-0.053m
4.193m,	-0.049m
2.813m,	-0.040m
1.402m,	-0.022m
0.000m,	0.000m

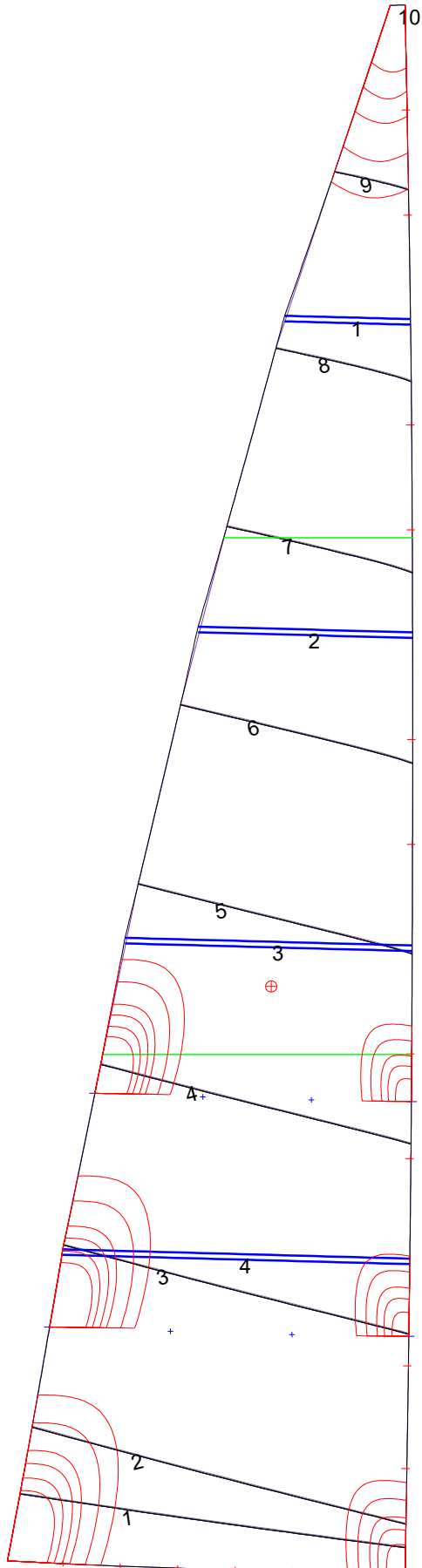
Fanned Luff (@ 5.00% [0.143m])

100% (11.253m) :	0.000m
90% (10.128m) :	0.014m
80% (9.002m) :	0.027m
70% (7.877m) :	0.034m
60% (6.752m) :	0.037m
50% (5.626m) :	0.036m
40% (4.501m) :	0.034m
30% (3.376m) :	0.029m
20% (2.250m) :	0.021m
10% (1.125m) :	0.011m
0% (0.000m) :	0.000m

Before BSeam

0.000m
0.038m
0.074m
0.099m
0.112m
0.113m
0.103m
0.083m
0.059m
0.029m
0.000m

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Seam Allowances			
Zone: 1	Split	Radial	Cross
	0.000m	0.000m	0.008m

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

Total Seam Lengths (m)

Horizontal	17.64
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	19.81	1,2,3,4,5 6,7,8,9,10