

Mainsail: 7000134 Glenn-2 Mizzen.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:	8.550m
Leech geodesic:	8.866m
Foot geodesic:	2.615m
Head geodesic:	0.115m
Upper width (MUW):	0.584m
Three-quarter width (MTW):	1.043m
Half width (MHW):	1.754m
Quarter width (MQW):	2.251m
Foot median:	8.657m
ORC Mainsail area:	13.711m?
Surface area:	13.992m?
Clew height:	0.030m
Mast rake:	0.000m

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
80.000%	0.921m	0.231m	77.766?	6.804m	7.070m	Full
60.000%	1.540m	0.300m	77.766?	5.071m	5.302m	Full
40.000%	2.002m	0.265m	77.766?	3.339m	3.535m	Full
20.000%	2.342m	0.153m	77.766?	1.609m	1.767m	Full

Reefing Points

1, Luff: 1.282m ; Leech: 1.308m ; Offset: 0.000m ; Number Eyelets: 2
2, Luff: 2.564m ; Leech: 2.617m ; Offset: 0.000m ; Number Eyelets: 2

Draft Stripes

1, Luff: 2.820m ; Leech: 2.824m ;
2, Luff: 5.641m ; Leech: 5.748m ;

Luff Slides

1, Position: 0.560m
2, Position: 1.121m
3, Position: 2.253m
4, Position: 2.825m
5, Position: 3.969m
6, Position: 4.541m
7, Position: 5.685m
8, Position: 6.257m
9, Position: 7.403m
10, Position: 7.976m

Foot Slides

1, Position: 0.365m
2, Position: 0.742m
3, Position: 1.119m
4, Position: 1.496m
5, Position: 1.873m
6, Position: 2.250m

Luff Curve

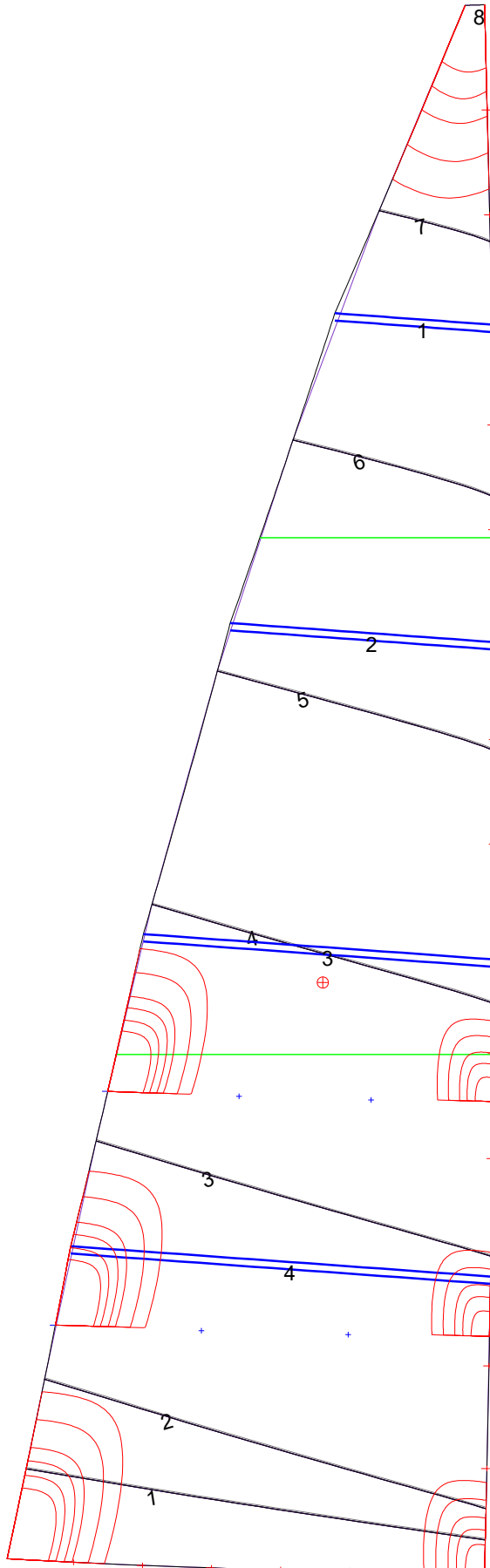
8.549m,	0.000m
7.484m,	-0.026m
6.412m,	-0.045m
5.337m,	-0.053m
4.274m,	-0.053m
3.185m,	-0.049m
2.137m,	-0.040m
1.065m,	-0.022m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.130m])

100% (8.550m) :	0.000m	-0.000m
90% (7.695m) :	0.015m	0.037m
80% (6.840m) :	0.027m	0.071m
70% (5.985m) :	0.035m	0.095m
60% (5.130m) :	0.037m	0.108m
50% (4.275m) :	0.037m	0.108m
40% (3.420m) :	0.034m	0.098m
30% (2.565m) :	0.030m	0.080m
20% (1.710m) :	0.022m	0.056m
10% (0.855m) :	0.012m	0.028m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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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	12.95
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	13.96	1,2,3,4,5 6,7,8