

Genoa: 7000405 Peter-2 Castle650 Genoa150.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\7000405 Peter\7000405 Peter

Initial Design Date: 12/4/2023

Boat:

Client:

Comments:

Design Data

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Genoa

Measurements

Luff geodesic:	6.960m
Leech geodesic:	6.555m
Foot geodesic:	3.861m
Headboard width:	0.045m
Luff perpendicular (HLP):	3.607m
Upper width (HUW):	0.432m
Three-quarter width (HTW):	0.840m
Half width (HHW):	1.712m
Quarter width (HQW):	2.643m
Foot median:	6.616m
ORC Headsail area:	12.246m?
IRC Headsail area:	12.218m?
Surface area:	12.408m?
Forestay height:	6.950m
J:	2.400m

Draft Stripes

1, Luff: 3.498m ; Leech: 3.165m ;

Luff Slides

1, Position: 0.301m
2, Position: 0.937m
3, Position: 1.573m
4, Position: 2.209m
5, Position: 2.844m
6, Position: 3.480m
7, Position: 4.116m
8, Position: 4.751m
9, Position: 5.387m
10, Position: 6.023m
11, Position: 6.659m

Luff Curve

6.958m,	0.000m
6.380m,	0.025m
5.741m,	0.045m
5.178m,	0.055m
4.523m,	0.059m
3.463m,	0.052m
2.261m,	0.035m
1.176m,	0.018m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.190m])

100% (6.959m) :	0.000m	0.000m
90% (6.263m) :	-0.027m	0.004m
80% (5.568m) :	-0.047m	0.011m
70% (4.871m) :	-0.057m	0.018m
60% (4.176m) :	-0.059m	0.025m
50% (3.480m) :	-0.054m	0.031m
40% (2.784m) :	-0.045m	0.035m
30% (2.088m) :	-0.035m	0.033m
20% (1.392m) :	-0.024m	0.030m
10% (0.695m) :	-0.013m	0.021m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.025m	0.015m	0.025m
Zone: 1/b	0.025m	0.015m	0.025m
Zone: 2/a	0.025m	0.015m	0.025m
Zone: 2/b	0.025m	0.015m	0.025m
Zone: 3	0.025m	0.015m	0.025m

Edge Excesses

Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	3.69
Radial/Vertical	56.62
Bi-Radial Split	4.60

Materials

Material	Area (m ²)	Panels
Material 1	12.43	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1\9,1\10 1b\1,1b\2,1b\3,1b\4,1b\5 1b\6,1b\7,1b\8,1b\9,1b\10 2\1,2\2,2\3,2b\1,2b\2 2b\3,3\1,3\2,3\3,3\4

