

Genoa: 7000405 Peter-3 Castle650 jib.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:

Comments:

Client:

Design Data

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Genoa

Measurements

Luff geodesic:	6.833m
Leech geodesic:	6.325m
Foot geodesic:	2.972m
Headboard width:	0.045m
Luff perpendicular (HLP):	2.755m
Upper width (HUW):	0.320m
Three-quarter width (HTW):	0.613m
Half width (HHW):	1.261m
Quarter width (HQW):	1.983m
Foot median:	6.511m
ORC Headsail area:	9.017m?
IRC Headsail area:	8.994m?
Surface area:	9.106m?
Forestay height:	6.950m
J:	2.400m

Draft Stripes

1, Luff: 3.434m ; Leech: 3.068m ;

Luff Slides

1, Position: 0.296m
2, Position: 0.920m
3, Position: 1.544m
4, Position: 2.168m
5, Position: 2.792m
6, Position: 3.417m
7, Position: 4.041m
8, Position: 4.665m
9, Position: 5.289m
10, Position: 5.913m
11, Position: 6.537m

Luff Curve

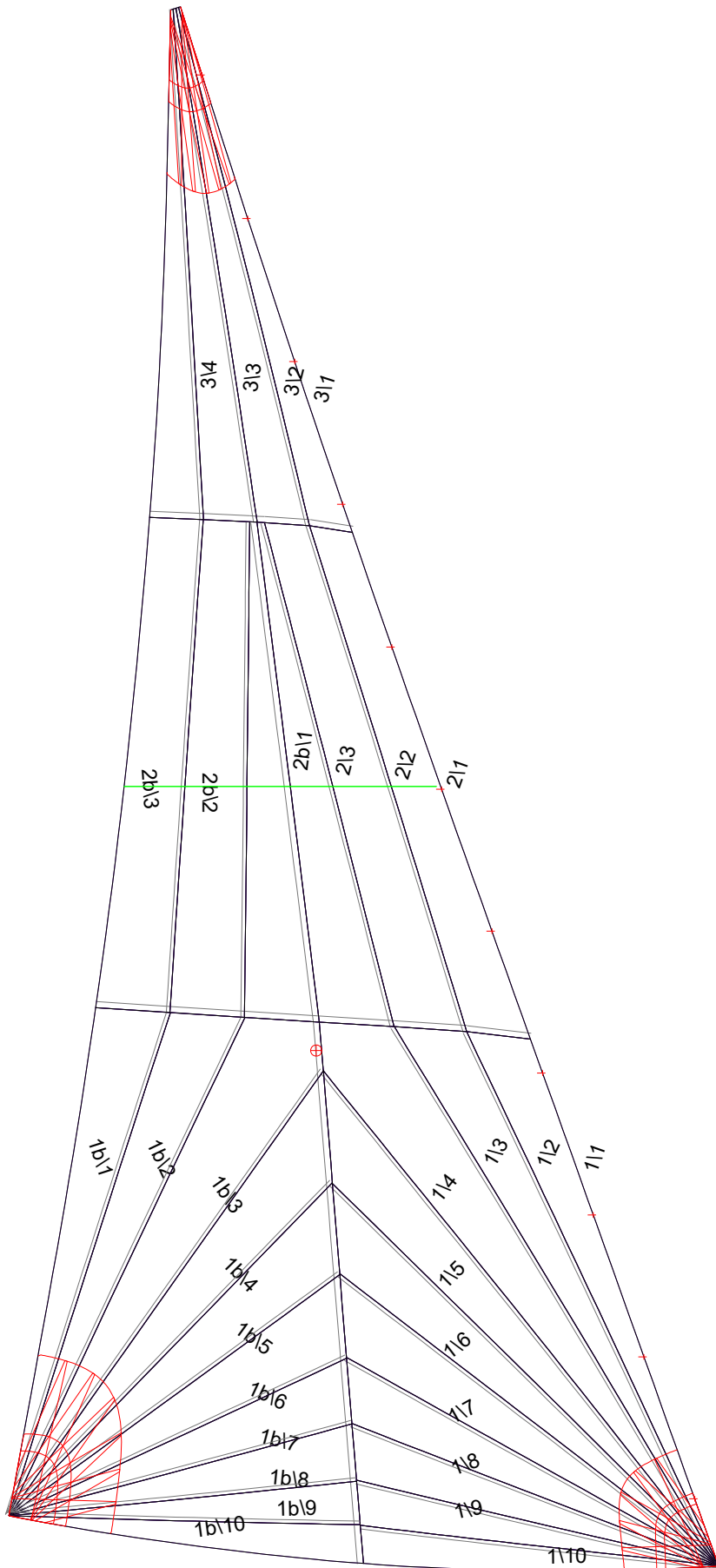
6.831m,	0.000m
6.264m,	0.025m
5.636m,	0.045m
5.083m,	0.055m
4.441m,	0.059m
3.400m,	0.052m
2.220m,	0.035m
1.155m,	0.018m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.147m])

100% (6.832m) :	0.000m	0.000m
90% (6.148m) :	-0.027m	-0.010m
80% (5.466m) :	-0.047m	-0.014m
70% (4.782m) :	-0.057m	-0.015m
60% (4.099m) :	-0.058m	-0.011m
50% (3.416m) :	-0.053m	-0.005m
40% (2.733m) :	-0.044m	0.002m
30% (2.049m) :	-0.034m	0.006m
20% (1.367m) :	-0.022m	0.008m
10% (0.683m) :	-0.012m	0.007m
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	2.76
Radial/Vertical	50.08
Bi-Radial Split	4.53

Materials

Material	Area (m ²)	Panels
Material 1	9.13	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