

Genoa: 7000314 Kjell -3 Genoa.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\7000314 Kjell\7000314 Kjell

Initial Design Date: 31/3/2023
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	10.300m
Leech geodesic:	9.812m
Foot geodesic:	5.012m
Headboard width:	0.040m
Luff perpendicular (HLP):	4.740m
Upper width (HUW):	0.539m
Three-quarter width (HTW):	1.062m
Half width (HHW):	2.200m
Quarter width (HQW):	3.437m
Foot median:	9.898m
ORC Headsail area:	23.495m?
IRC Headsail area:	23.447m?
Surface area:	23.653m?
Forestay height:	9.950m
J:	3.160m

Draft Stripes

1, Luff: 3.415m ; Leech: 3.111m ;
2, Luff: 6.824m ; Leech: 6.399m ;

Luff Slides

1, Position: 0.300m
2, Position: 0.993m
3, Position: 1.686m
4, Position: 2.379m
5, Position: 3.071m
6, Position: 3.764m
7, Position: 4.457m
8, Position: 5.150m
9, Position: 5.843m
10, Position: 6.536m
11, Position: 7.229m
12, Position: 7.921m
13, Position: 8.614m
14, Position: 9.307m
15, Position: 10.000m

Luff Curve

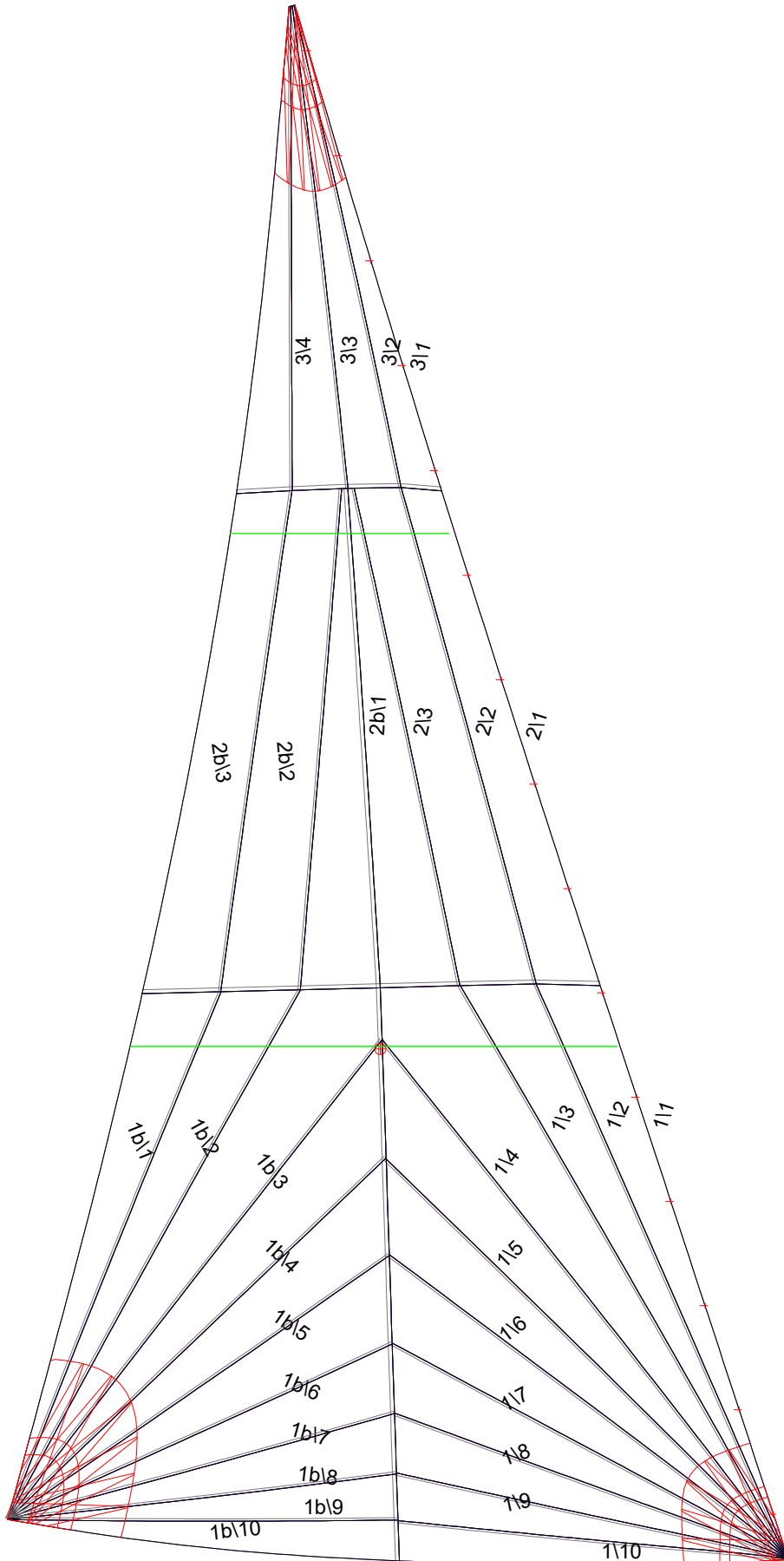
10.298m,	0.000m
9.442m,	0.035m
8.496m,	0.063m
7.663m,	0.078m
6.694m,	0.083m
5.125m,	0.073m
3.347m,	0.050m
1.741m,	0.025m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.247m])

100% (10.298m) :	0.000m	-0.000m
90% (9.268m) :	-0.037m	0.000m
80% (8.240m) :	-0.065m	0.005m
70% (7.209m) :	-0.079m	0.012m
60% (6.179m) :	-0.082m	0.019m
50% (5.149m) :	-0.075m	0.026m
40% (4.120m) :	-0.063m	0.029m
30% (3.089m) :	-0.048m	0.029m
20% (2.060m) :	-0.032m	0.025m
10% (1.029m) :	-0.016m	0.017m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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Seam Allowances

Zone:	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	4.46
Radial/Vertical	80.37
Bi-Radial Split	6.98

Materials

Material	Area (m ²)	Panels
Material 1	23.70	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