

# Genoa: 7000301 Timothy headsail.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\7000301 Timothy\7000301 T

Initial Design Date: 9/3/2023  
Boat:

Comments:

Client:

Design Data  
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Genoa

## Measurements

Luff geodesic:	11.385m
Leech geodesic:	10.650m
Foot geodesic:	3.070m
Headboard width:	0.035m
Luff perpendicular (HLP):	2.861m
Upper width (HUW):	0.308m
Three-quarter width (HTW):	0.599m
Half width (HHW):	1.270m
Quarter width (HQW):	2.035m
Foot median:	10.989m
ORC Headsail area:	15.333m?
IRC Headsail area:	15.285m?
Surface area:	15.329m?
Forestay height:	11.600m
J:	3.350m

## Luff Curve

11.383m,	0.000m
10.437m,	0.039m
9.391m,	0.070m
8.470m,	0.086m
7.399m,	0.092m
5.665m,	0.081m
3.699m,	0.055m
1.924m,	0.027m
0.000m,	0.000m

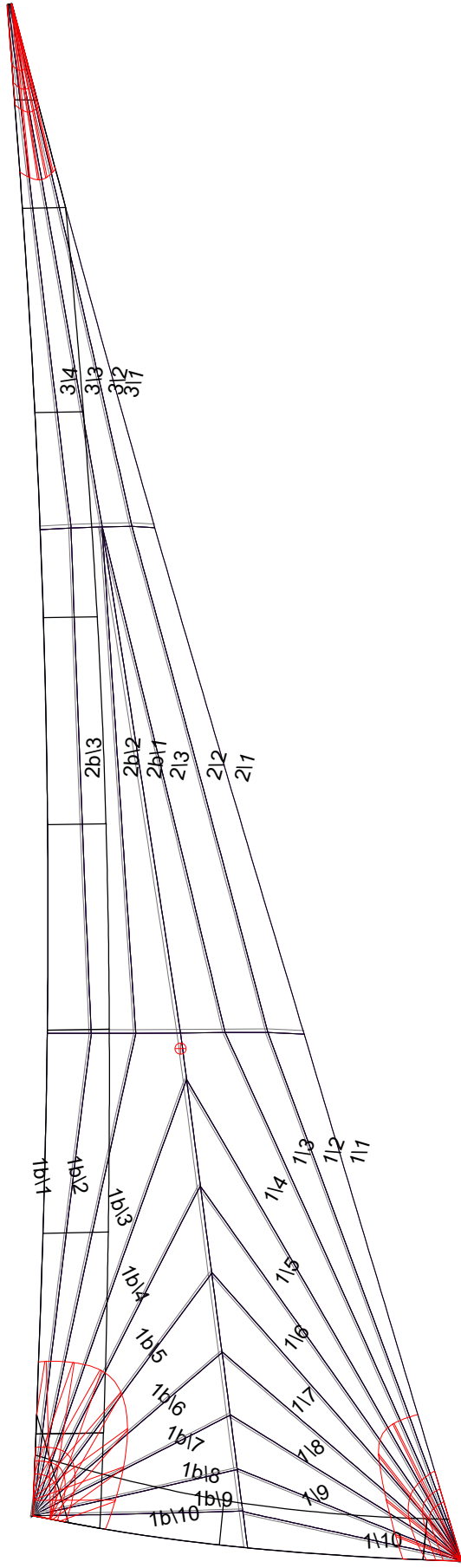
## Fanned Luff (@ 5.00% [0.151m])

100% (11.383m) :	-0.000m
90% (10.244m) :	-0.043m
80% (9.108m) :	-0.074m
70% (7.969m) :	-0.088m
60% (6.830m) :	-0.090m
50% (5.692m) :	-0.081m
40% (4.554m) :	-0.068m
30% (3.415m) :	-0.052m
20% (2.277m) :	-0.034m
10% (1.138m) :	-0.017m
0% (0.000m) :	0.000m

## Before BSeam

0.000m
-0.019m
-0.029m
-0.029m
-0.022m
-0.012m
-0.003m
0.003m
0.006m
0.007m
0.000m

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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
Cover 1	0.025m	0.025m	0.025m
Cover 2	0.025m	0.025m	0.025m
Cover 3	0.000m	0.000m	0.000m
Cover 4	0.000m	0.000m	0.000m

## Edge Excesses

	Luff	Leech	Foot
Sail:	0.000m	0.000m	0.000m
Cover 0	0.070m	0.100m	0.070m
Cover 1	0.070m	0.070m	0.070m
Cover 2	0.000m	0.070m	0.070m
Cover 3	0.000m	0.070m	0.070m

## Total Seam Lengths (m)

Horizontal	2.76
Radial/Vertical	72.60
Bi-Radial Split	7.47

## Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	15.36	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