

Genoa: 7000306 Torodd-2 HeadsailV2.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\7000306 Torodd\7000306 Tor

Initial Design Date: 30/3/2023

Boat:

Client:

Comments:

Design Data

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Genoa

Measurements

Luff geodesic:	13.320m
Leech geodesic:	12.764m
Foot geodesic:	5.982m
Headboard width:	0.025m
Luff perpendicular (HLP):	5.700m
Upper width (HUW):	0.629m
Three-quarter width (HTW):	1.261m
Half width (HHW):	2.634m
Quarter width (HQW):	4.127m
Foot median:	12.880m
ORC Headsail area:	36.405m?
IRC Headsail area:	36.336m?
Surface area:	36.599m?
Forestay height:	13.600m
J:	3.800m

Draft Stripes

1, Luff: 4.414m ; Leech: 4.020m ;
2, Luff: 8.820m ; Leech: 8.317m ;

Luff Curve

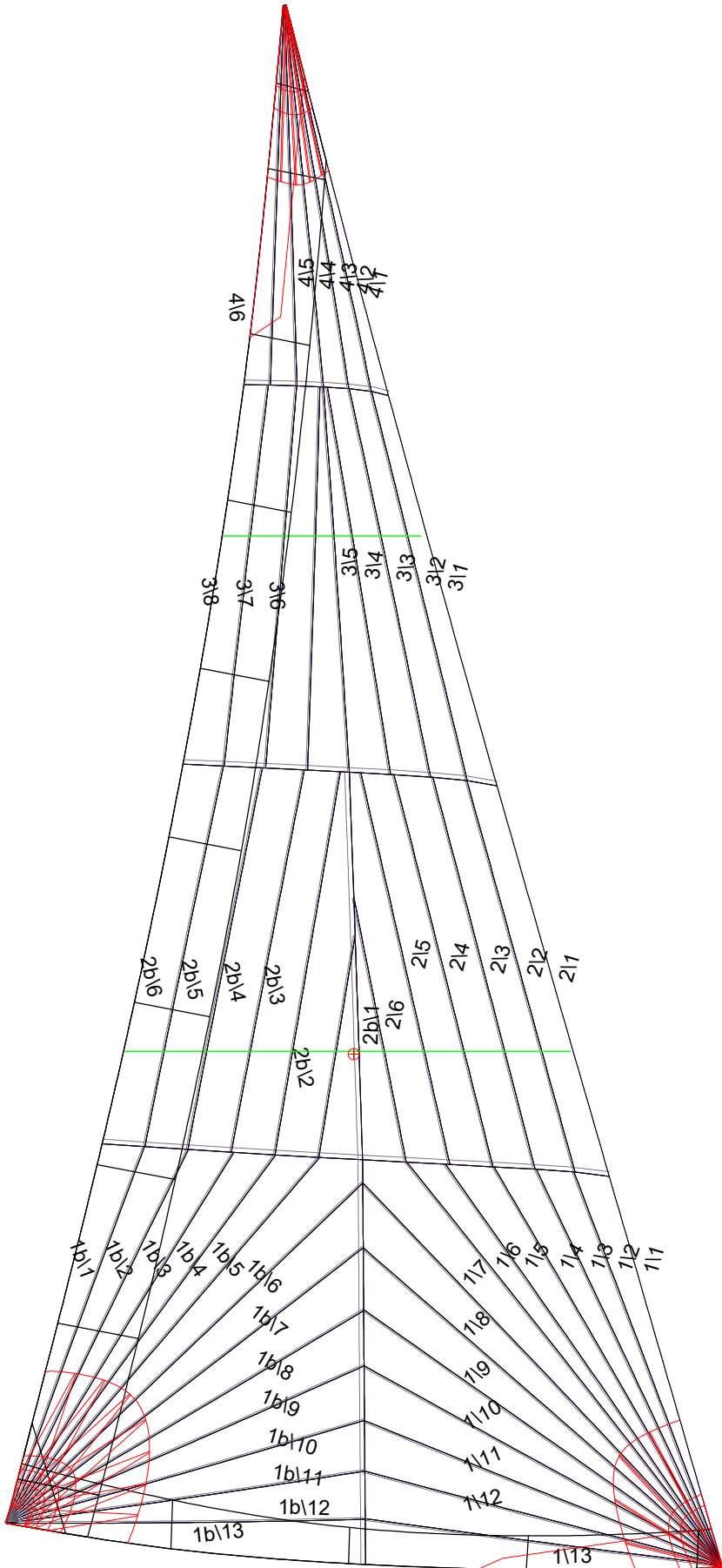
13.317m,	0.000m
12.211m,	0.045m
10.987m,	0.082m
9.909m,	0.100m
8.657m,	0.108m
6.627m,	0.094m
4.328m,	0.064m
2.251m,	0.032m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.294m])

100% (13.318m) :	0.000m	0.000m
90% (11.986m) :	-0.048m	-0.003m
80% (10.656m) :	-0.083m	0.001m
70% (9.323m) :	-0.101m	0.008m
60% (7.991m) :	-0.104m	0.016m
50% (6.659m) :	-0.094m	0.025m
40% (5.327m) :	-0.078m	0.030m
30% (3.995m) :	-0.059m	0.031m
20% (2.664m) :	-0.039m	0.027m
10% (1.331m) :	-0.019m	0.019m
0% (0.000m) :	-0.000m	0.000m

Before BSeam

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Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.038m	0.014m	0.038m
Zone: 1/b	0.038m	0.014m	0.038m
Zone: 2/a	0.038m	0.014m	0.038m
Zone: 2/b	0.038m	0.014m	0.038m
Zone: 3	0.038m	0.014m	0.038m
Zone: 4	0.038m	0.014m	0.038m
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	8.40
Radial/Vertical	155.60
Bi-Radial Split	6.80

Materials

Material	Area (m ²)	Panels
Material 1	36.68	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1\9,1\10 1\11,1\12,1\13,1b\1,1b\2 1b\3,1b\4,1b\5,1b\6,1b\7 1b\8,1b\9,1b\10,1b\11,1b\12 1b\13,2\1,2\2,2\3,2\4 2\5,2\6,2b\1,2b\2,2b\3 2b\4,2b\5,2b\6,3\1,3\2 3\3,3\4,3\5,3\6,3\7 3\8,4\1,4\2,4\3,4\4 4\5,4\6