

Genoa: 7001025 Mark HeadsailV1.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need to be Confirmed\7001025 Mark\7001

Initial Design Date: 7/11/2023
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	8.514m
Leech geodesic:	8.080m
Foot geodesic:	4.464m
Headboard width:	0.025m
Luff perpendicular (HLP):	4.200m
Upper width (HUW):	0.485m
Three-quarter width (HTW):	0.965m
Half width (HHW):	1.988m
Quarter width (HQW):	3.078m
Foot median:	8.126m
ORC Headsail area:	17.381m?
IRC Headsail area:	17.342m?
Surface area:	17.515m?
Forestay height:	8.450m
J:	2.800m

Draft Stripes

- 1, Luff: 2.823m ; Leech: 2.528m ;
- 2, Luff: 5.641m ; Leech: 5.253m ;

Luff Curve

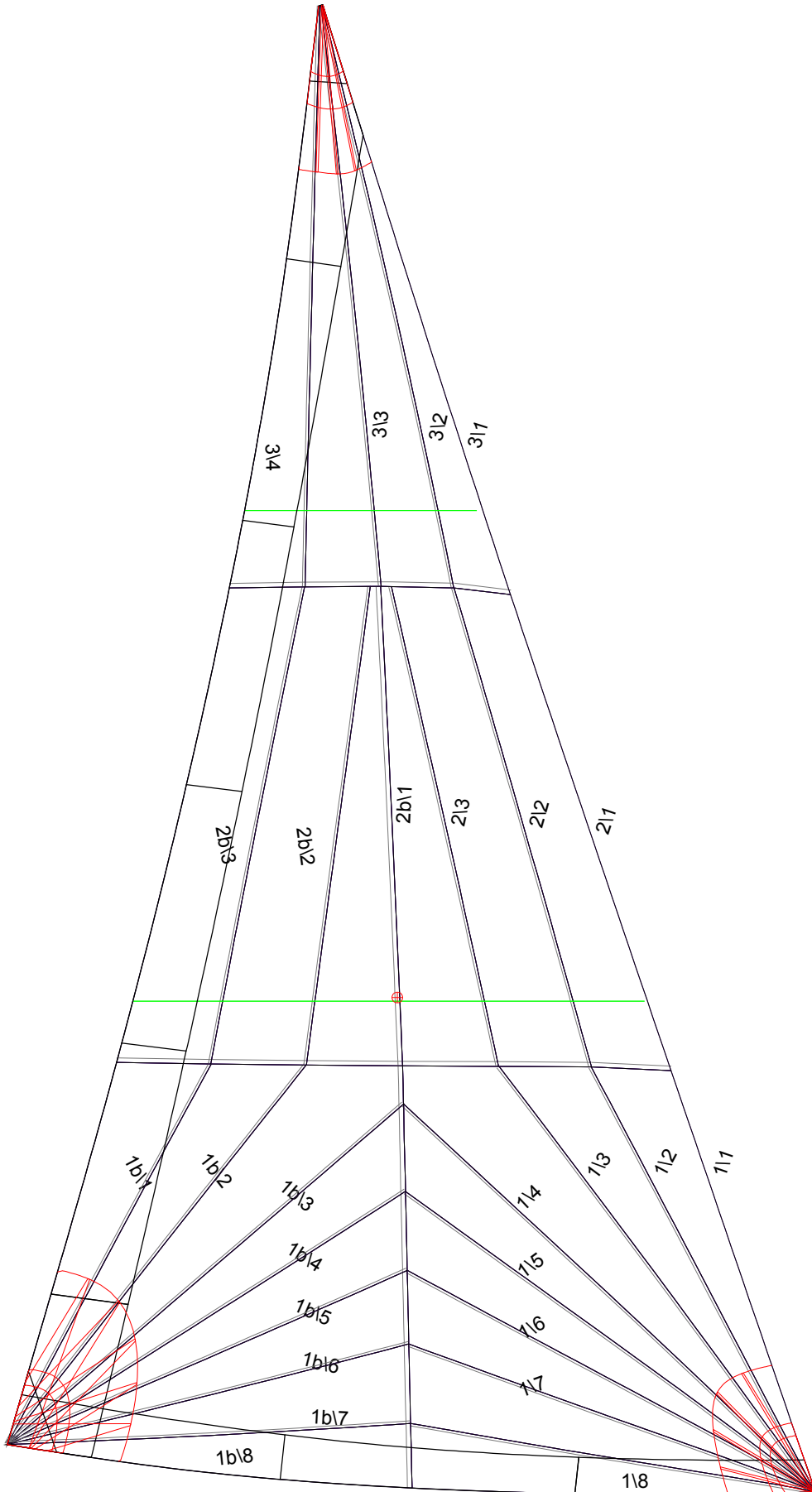
8.512m,	0.000m
7.805m,	0.029m
7.023m,	0.052m
6.334m,	0.064m
5.533m,	0.069m
4.236m,	0.060m
2.766m,	0.041m
1.439m,	0.020m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.220m])

100% (8.513m) :	0.000m	0.000m
90% (7.661m) :	-0.032m	0.005m
80% (6.811m) :	-0.055m	0.014m
70% (5.959m) :	-0.067m	0.022m
60% (5.108m) :	-0.069m	0.030m
50% (4.256m) :	-0.064m	0.036m
40% (3.405m) :	-0.053m	0.039m
30% (2.554m) :	-0.041m	0.037m
20% (1.703m) :	-0.027m	0.030m
10% (0.851m) :	-0.014m	0.018m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.025m	0.014m	0.025m
Zone: 1/b	0.025m	0.014m	0.025m
Zone: 2/a	0.025m	0.014m	0.025m
Zone: 2/b	0.025m	0.014m	0.025m
Zone: 3	0.025m	0.014m	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	0.100m
Cover 2	0.000m	0.070m	0.070m
Cover 3	0.000m	0.070m	0.070m

Total Seam Lengths (m)

Horizontal	4.80
Radial/Vertical	56.74
Bi-Radial Split	5.05

Materials

Material	Area (m ²)	Panels
Material 1	17.53	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1b\1,1b\2 1b\3,1b\4,1b\5,1b\6,1b\7 1b\8,2\1,2\2,2\3,2b\1 2b\2,2b\3,3\1,3\2,3\3 3\4