

Genoa: 7001104 Tim-2 Scanmar 10 Headsail.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need to be Confirmed\7001104 Tim\70011

Initial Design Date: 14/11/2023
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic: 11.140m
Leech geodesic: 10.350m
Foot geodesic: 3.700m
Headboard width: 0.030m
Luff perpendicular (HLP): 3.450m
Upper width (HUW): 0.379m
Three-quarter width (HTW): 0.747m
Half width (HHW): 1.565m
Quarter width (HQW): 2.477m
Foot median: 10.676m
ORC Headsail area: 18.277m?
IRC Headsail area: 18.232m?
Surface area: 18.288m?
Forestay height: 12.000m
J: 3.800m

Draft Stripes

1, Luff: 3.689m ; Leech: 3.219m ;
2, Luff: 7.373m ; Leech: 6.719m ;

Luff Curve

11.139m, 0.000m
10.213m, 0.028m
9.190m, 0.051m
8.288m, 0.062m
7.240m, 0.067m
5.543m, 0.059m
3.620m, 0.040m
1.883m, 0.020m
0.000m, 0.000m

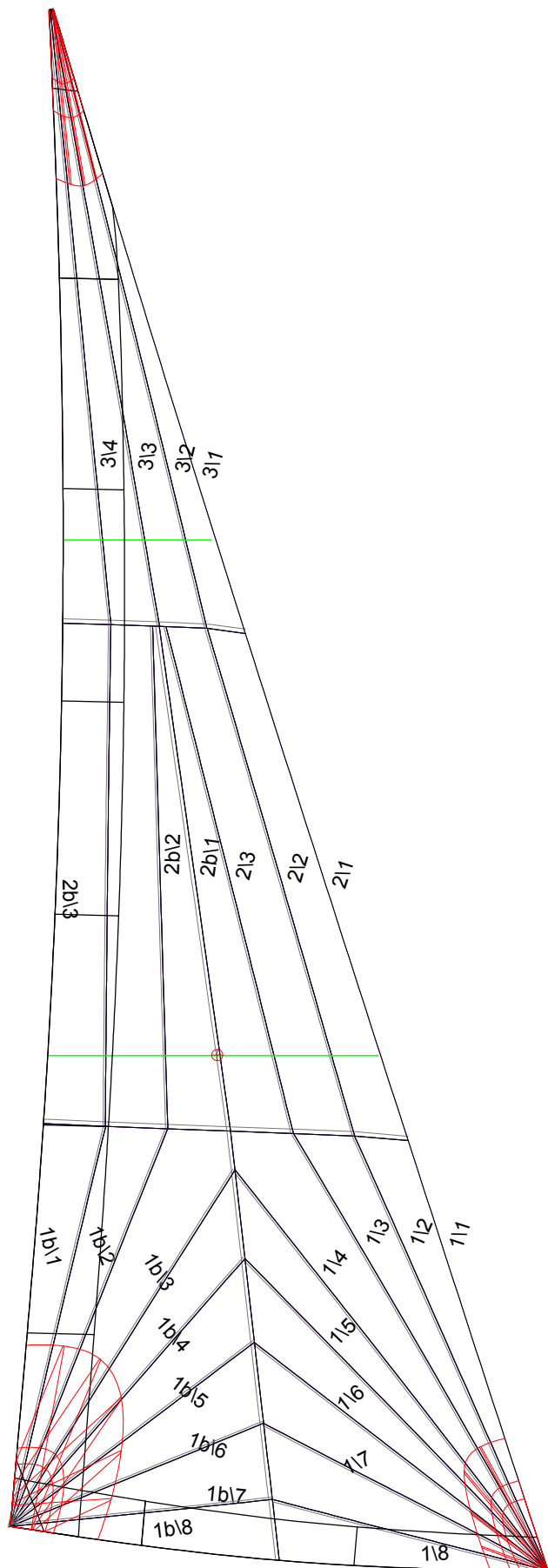
Fanned Luff (@ 5.00% [0.183m])

100% (11.139m) : 0.000m
90% (10.025m) : -0.029m
80% (8.912m) : -0.051m
70% (7.798m) : -0.062m
60% (6.684m) : -0.064m
50% (5.570m) : -0.059m
40% (4.456m) : -0.050m
30% (3.342m) : -0.039m
20% (2.228m) : -0.027m
10% (1.113m) : -0.014m
0% (0.000m) : 0.000m

Before BSeam

0.000m
-0.005m
-0.006m
-0.001m
0.007m
0.016m
0.021m
0.023m
0.021m
0.014m
0.000m

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Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.025m	0.015m	0.030m
Zone: 1/b	0.025m	0.015m	0.030m
Zone: 2/a	0.025m	0.015m	0.030m
Zone: 2/b	0.025m	0.015m	0.030m
Zone: 3	0.025m	0.015m	0.030m
Cover 1	0.000m	0.000m	0.000m
Cover 2	0.000m	0.000m	0.000m
Cover 3	0.025m	0.025m	0.025m
Cover 4	0.025m	0.025m	0.025m

Edge Excesses

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

Total Seam Lengths (m)

Horizontal	3.88
Radial/Vertical	63.79
Bi-Radial Split	6.58

Materials

Material	Area (m ²)	Panels
Material 1	18.32	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