

Genoa: 7001201 Frederic Lecomte 35 Alc Jib.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need to be Confirmed\7001201 Frederic\7

Initial Design Date: 5/12/2023
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	12.620m
Leech geodesic:	11.750m
Foot geodesic:	4.200m
Headboard width:	0.030m
Luff perpendicular (HLP):	3.925m
Upper width (HUW):	0.429m
Three-quarter width (HTW):	0.850m
Half width (HHW):	1.783m
Quarter width (HQW):	2.821m
Foot median:	12.106m
ORC Headsail area:	23.569m?
IRC Headsail area:	23.510m?
Surface area:	23.582m?
Forestay height:	12.850m
J:	4.050m

Draft Stripes

- 1, Luff: 4.179m ; Leech: 3.668m ;
- 2, Luff: 8.352m ; Leech: 7.635m ;

Luff Curve

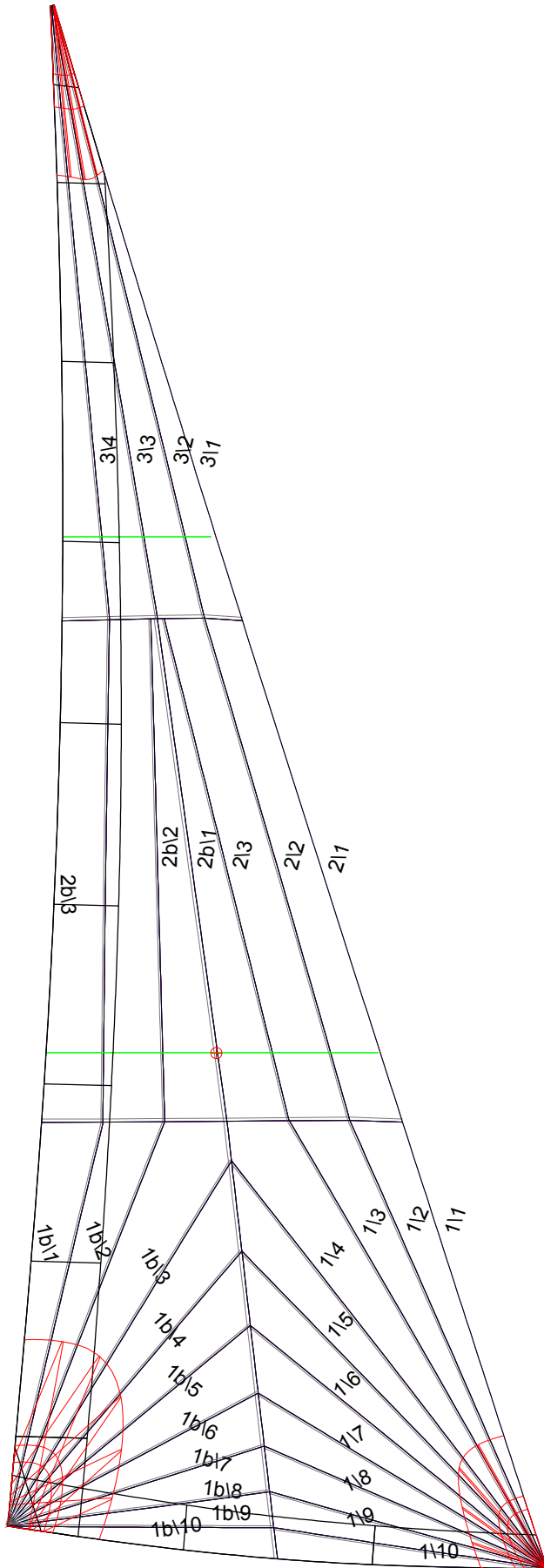
12.619m,	0.000m
11.570m,	0.032m
10.410m,	0.057m
9.389m,	0.071m
8.202m,	0.076m
6.280m,	0.066m
4.101m,	0.045m
2.133m,	0.023m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.207m])

100% (12.619m) :	-0.000m	0.000m
90% (11.356m) :	-0.033m	-0.006m
80% (10.096m) :	-0.057m	-0.006m
70% (8.833m) :	-0.069m	-0.001m
60% (7.572m) :	-0.072m	0.009m
50% (6.310m) :	-0.067m	0.018m
40% (5.048m) :	-0.056m	0.024m
30% (3.786m) :	-0.044m	0.026m
20% (2.524m) :	-0.030m	0.024m
10% (1.261m) :	-0.016m	0.016m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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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	0.100m
Cover 2	0.000m	0.070m	0.070m
Cover 3	0.000m	0.070m	0.070m

Total Seam Lengths (m)

Horizontal	4.35
Radial/Vertical	81.53
Bi-Radial Split	7.50

Materials

Material	Area (m ²)	Panels
Material 1	23.63	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