

Genoa: 8000405 Tim-2 Wylie 38 Jib.des

Design Info

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Initial Design Date: 11/4/2024
Boat:
Wylie 38
Client:

Design File:

\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000405 Tim Wylie

Comments:

Design Data

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Genoa

Measurements

Luff geodesic:	14.250m
Leech geodesic:	13.410m
Foot geodesic:	4.623m
Headboard width:	0.045m
Luff perpendicular (HLP):	4.366m
Upper width (HUW):	0.488m
Three-quarter width (HTW):	0.956m
Half width (HHW):	1.992m
Quarter width (HQW):	3.144m
Foot median:	13.761m
ORC Headsail area:	29.700m?
IRC Headsail area:	29.622m?
Surface area:	29.740m?
Forestay height:	14.780m
J:	4.570m

Draft Stripes

1, Luff: 4.718m ; Leech: 4.270m ;
2, Luff: 9.431m ; Leech: 8.757m ;

Luff Curve

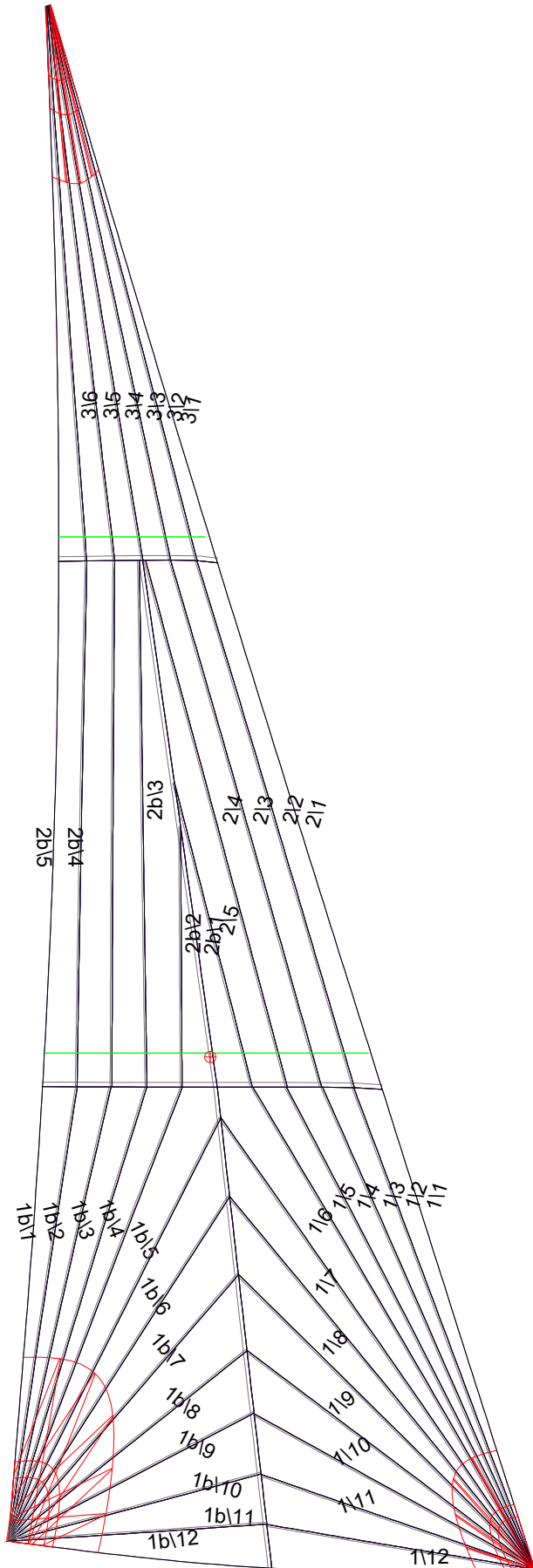
14.248m,	0.000m
13.064m,	0.036m
11.755m,	0.065m
10.602m,	0.080m
9.262m,	0.085m
7.091m,	0.075m
4.631m,	0.051m
2.408m,	0.025m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.229m])

100% (14.249m) :	-0.000m	0.000m
90% (12.823m) :	-0.037m	-0.008m
80% (11.400m) :	-0.065m	-0.010m
70% (9.974m) :	-0.079m	-0.005m
60% (8.550m) :	-0.082m	0.005m
50% (7.125m) :	-0.076m	0.015m
40% (5.700m) :	-0.064m	0.022m
30% (4.275m) :	-0.050m	0.025m
20% (2.850m) :	-0.034m	0.023m
10% (1.424m) :	-0.018m	0.016m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1/a	0.032m	0.016m	0.040m
Zone: 1/b	0.032m	0.016m	0.040m
Zone: 2/a	0.032m	0.016m	0.040m
Zone: 2/b	0.032m	0.016m	0.040m
Zone: 3	0.032m	0.016m	0.040m

Edge Excesses

Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	4.53
Radial/Vertical	137.57
Bi-Radial Split	9.24

Materials

Material	Area (m ²)	Panels
Material 1	29.80	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1\9,1\10 1\11,1\12,1b\1,1b\2,1b\3 1b\4,1b\5,1b\6,1b\7,1b\8 1b\9,1b\10,1b\11,1b\12,2\1 2\2,2\3,2\4,2\5,2b\1 2b\2,2b\3,2b\4,2b\5,3\1 3\2,3\3,3\4,3\5,3\6