

Genoa: 8000127 Todd-2 Venture 21 hanks jib V1.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000127 Todd ma

Initial Design Date: 20/2/2024
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	5.492m
Leech geodesic:	4.885m
Foot geodesic:	2.703m
Headboard width:	0.050m
Luff perpendicular (HLP):	2.421m
Upper width (HUW):	0.305m
Three-quarter width (HTW):	0.573m
Half width (HHW):	1.148m
Quarter width (HQW):	1.770m
Foot median:	5.094m
ORC Headsail area:	6.502m?
IRC Headsail area:	6.486m?
Surface area:	6.575m?
Forestay height:	5.969m
J:	2.201m

Draft Stripes

1, Luff: 2.758m ; Leech: 2.274m ;

Luff Slides

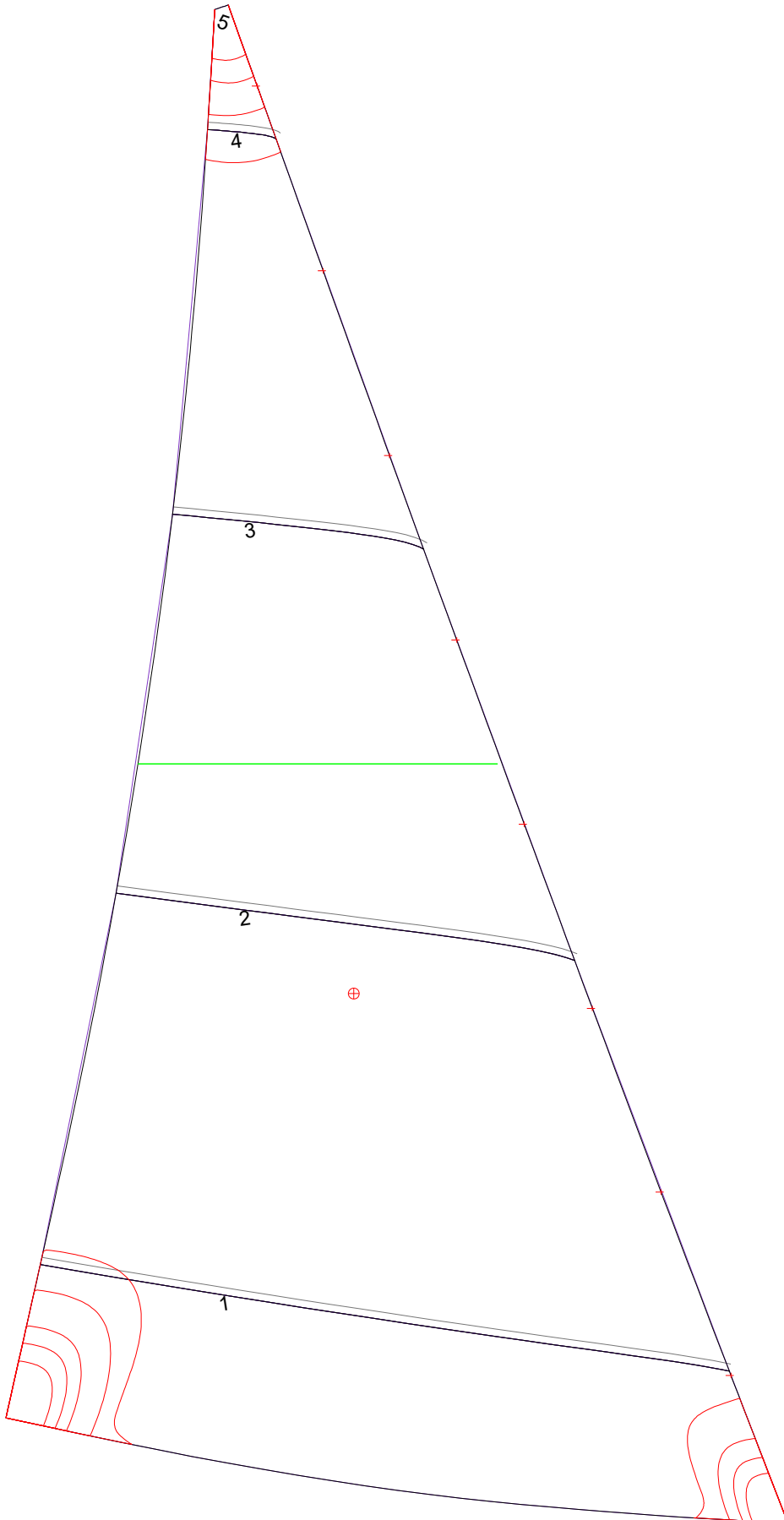
1, Position: 0.536m
2, Position: 1.203m
3, Position: 1.869m
4, Position: 2.535m
5, Position: 3.201m
6, Position: 3.867m
7, Position: 4.533m
8, Position: 5.199m

Luff Curve

5.491m,	0.000m
4.390m,	0.024m
3.290m,	0.033m
2.191m,	0.030m
1.095m,	0.019m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.133m])		Before BSeam
100% (5.491m) :	0.000m	-0.000m
90% (4.942m) :	-0.011m	0.006m
80% (4.393m) :	-0.022m	0.011m
70% (3.844m) :	-0.030m	0.015m
60% (3.295m) :	-0.034m	0.019m
50% (2.746m) :	-0.034m	0.022m
40% (2.196m) :	-0.033m	0.022m
30% (1.647m) :	-0.029m	0.019m
20% (1.098m) :	-0.022m	0.015m
10% (0.548m) :	-0.012m	0.010m
0% (0.000m) :	0.000m	0.000m

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Seam Allowances			
Zone: 1	Split	Radial	Cross
	0.025m	0.025m	0.025m

Edge Excesses			
Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	5.22
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	6.59	1,2,3,4,5