

Genoa: 8000127 Todd-2 Venture 21 hanks jib.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\8000127

Initial Design Date: 1/2/2024
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	18.474Ft
Leech geodesic:	16.425Ft
Foot geodesic:	8.869Ft
Headboard width:	0.164Ft
Luff perpendicular (HLP):	7.942Ft
Upper width (HUW):	1.000Ft
Three-quarter width (HTW):	1.880Ft
Half width (HHW):	3.764Ft
Quarter width (HQW):	5.804Ft
Foot median:	17.155Ft
ORC Headsail area:	71.742Ft?
IRC Headsail area:	71.577Ft?
Surface area:	72.380Ft?
Forestay height:	19.583Ft
J:	7.220Ft

Draft Stripes

1, Luff: 9.276Ft ; Leech: 7.655Ft ;

Luff Slides

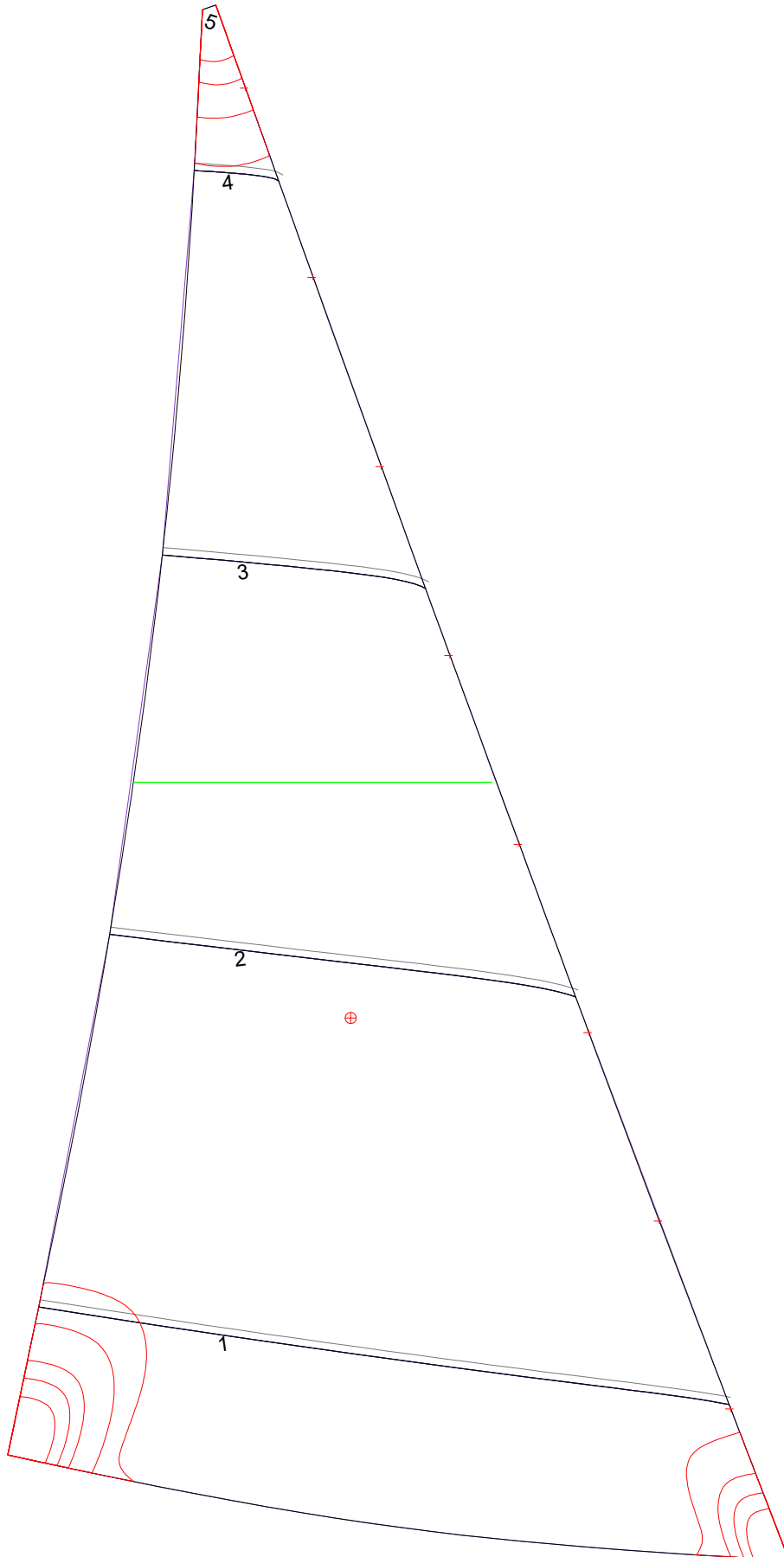
- 1, Position: 1.804Ft
- 2, Position: 4.045Ft
- 3, Position: 6.286Ft
- 4, Position: 8.527Ft
- 5, Position: 10.768Ft
- 6, Position: 13.009Ft
- 7, Position: 15.249Ft
- 8, Position: 17.490Ft

Luff Curve

18.472Ft,	0.000Ft
14.768Ft,	0.078Ft
11.066Ft,	0.108Ft
7.371Ft,	0.098Ft
3.682Ft,	0.062Ft
0.000Ft,	0.000Ft

Fanned Luff (@ 5.00% [0.435Ft])	Before BSeam
100% (18.473Ft) :	-0.000Ft -0.000Ft
90% (16.625Ft) :	-0.036Ft 0.021Ft
80% (14.779Ft) :	-0.073Ft 0.035Ft
70% (12.931Ft) :	-0.098Ft 0.049Ft
60% (11.084Ft) :	-0.110Ft 0.064Ft
50% (9.236Ft) :	-0.113Ft 0.073Ft
40% (7.389Ft) :	-0.109Ft 0.073Ft
30% (5.541Ft) :	-0.096Ft 0.064Ft
20% (3.695Ft) :	-0.073Ft 0.051Ft
10% (1.845Ft) :	-0.040Ft 0.031Ft
0% (0.000Ft) :	0.000Ft 0.000Ft

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Seam Allowances			
Zone: 1	Split	Radial	Cross
	0.082Ft	0.082Ft	0.082Ft

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

Total Seam Lengths (Ft)

Horizontal	17.54
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (Ft ²)	Panels
Material 1	72.72	1,2,3,4,5