

# Genoa: 7000425 Dan-1 Headsail.des

Design Info  
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Design File:  
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need Confrim Order\7000425 Dan\7000425

Initial Design Date: 11/5/2023  
Boat:

Comments:

Client:

Design Data  
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Genoa

## Measurements

Luff geodesic:	10.662m
Leech geodesic:	10.307m
Foot geodesic:	5.588m
Headboard width:	0.030m
Luff perpendicular (HLP):	5.325m
Upper width (HUW):	0.589m
Three-quarter width (HTW):	1.180m
Half width (HHW):	2.486m
Quarter width (HQW):	3.876m
Foot median:	10.279m
ORC Headsail area:	27.338m?
IRC Headsail area:	27.276m?
Surface area:	27.509m?
Forestay height:	11.200m
J:	3.550m

## Draft Stripes

1, Luff: 3.535m ; Leech: 3.325m ;  
2, Luff: 7.063m ; Leech: 6.754m ;

## Luff Curve

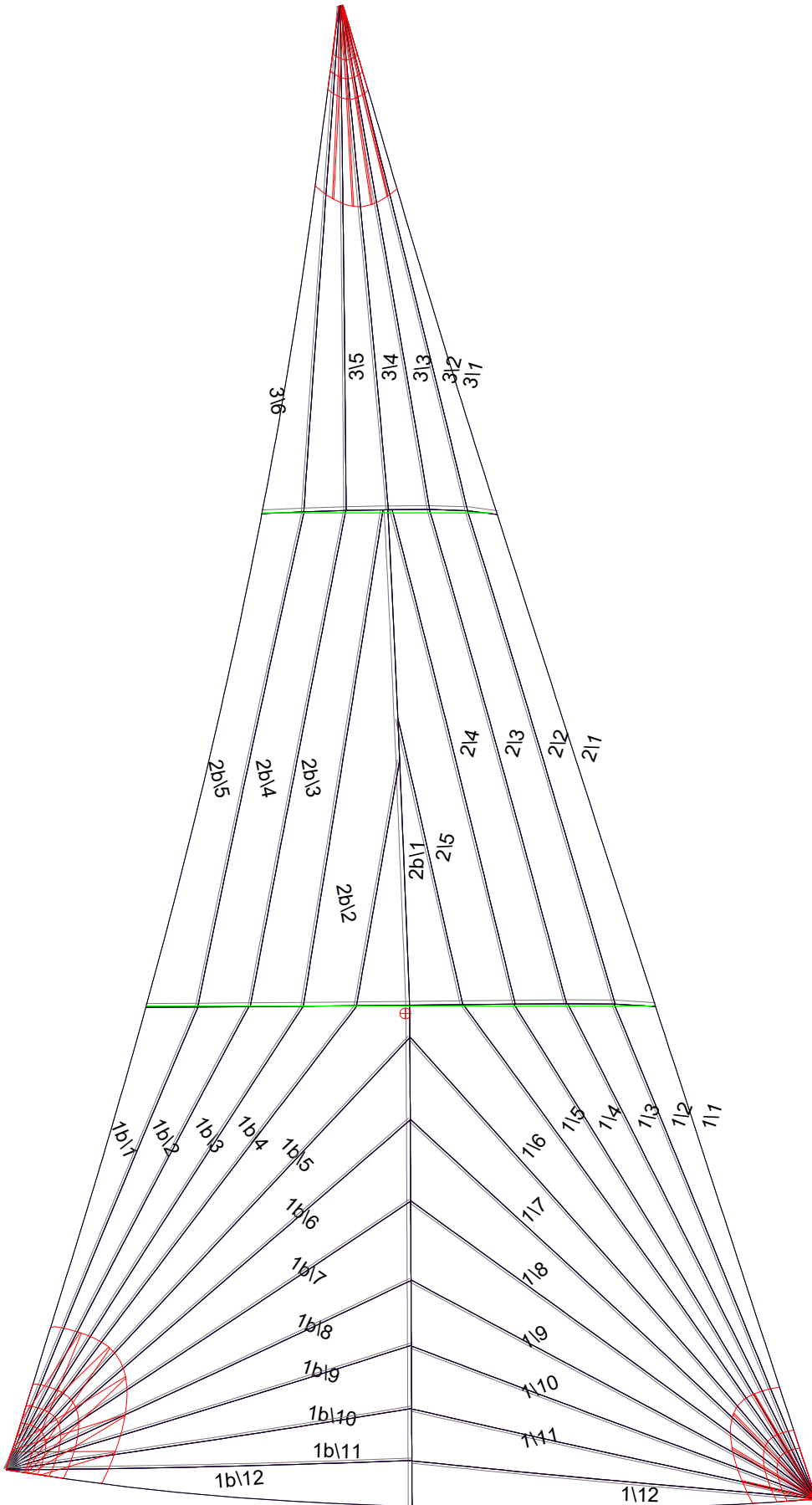
10.660m,	0.000m
9.774m,	0.036m
8.794m,	0.065m
7.932m,	0.080m
6.929m,	0.086m
5.305m,	0.076m
3.464m,	0.051m
1.802m,	0.026m
0.000m,	0.000m

## Fanned Luff (@ 5.00% [0.276m])

100% (10.660m) :	0.000m	-0.000m
90% (9.593m) :	-0.038m	-0.003m
80% (8.530m) :	-0.069m	-0.000m
70% (7.463m) :	-0.083m	0.016m
60% (6.397m) :	-0.083m	0.034m
50% (5.330m) :	-0.076m	0.045m
40% (4.264m) :	-0.064m	0.049m
30% (3.198m) :	-0.049m	0.048m
20% (2.133m) :	-0.033m	0.042m
10% (1.065m) :	-0.018m	0.025m
0% (0.000m) :	0.000m	0.000m

## Before BSeam

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## Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.026m	0.016m	0.026m
Zone: 1/b	0.026m	0.016m	0.026m
Zone: 2/a	0.026m	0.016m	0.026m
Zone: 2/b	0.026m	0.016m	0.026m
Zone: 3	0.026m	0.016m	0.026m

## Edge Excesses

Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

## Total Seam Lengths (m)

Horizontal	5.35
Radial/Vertical	119.01
Bi-Radial Split	7.08

## Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	27.57	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