

# Genoa: 7000425 Dan-1 HeadsailV1.des

Design Info  
=====

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  
=====

## Genoa

### Measurements

Luff geodesic:	10.620m
Leech geodesic:	10.360m
Foot geodesic:	5.390m
Headboard width:	0.030m
Luff perpendicular (HLP):	5.181m
Upper width (HUW):	0.569m
Three-quarter width (HTW):	1.140m
Half width (HHW):	2.402m
Quarter width (HQW):	3.780m
Foot median:	10.315m
ORC Headsail area:	26.457m?
IRC Headsail area:	26.347m?
Surface area:	26.680m?
Forestay height:	11.200m
J:	3.550m

### Draft Stripes

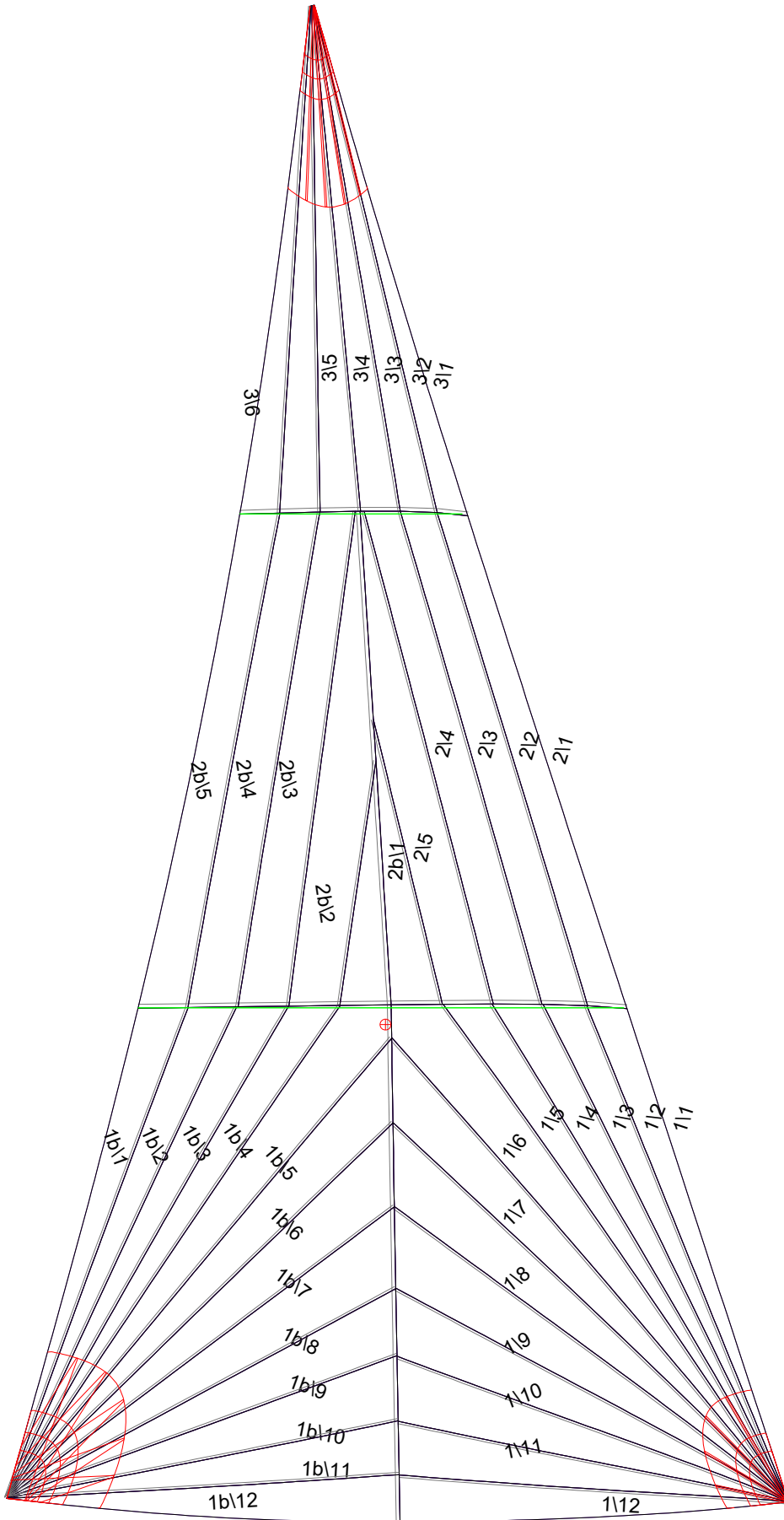
1, Luff: 3.521m ; Leech: 3.449m ;  
2, Luff: 7.036m ; Leech: 6.849m ;

### Luff Curve

10.618m,	0.000m
9.736m,	0.036m
8.760m,	0.065m
7.901m,	0.080m
6.902m,	0.086m
5.284m,	0.076m
3.451m,	0.051m
1.795m,	0.026m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.264m])	Before BSeam
100% (10.618m) :	-0.000m 0.000m
90% (9.555m) :	-0.040m -0.011m
80% (8.496m) :	-0.068m -0.012m
70% (7.433m) :	-0.082m -0.003m
60% (6.372m) :	-0.083m 0.013m
50% (5.309m) :	-0.075m 0.030m
40% (4.248m) :	-0.062m 0.045m
30% (3.185m) :	-0.048m 0.054m
20% (2.124m) :	-0.032m 0.051m
10% (1.061m) :	-0.016m 0.030m
0% (0.000m) :	0.000m 0.000m

# Genoa: 7000425 Dan-1 HeadsailV1.des



## Seam Allowances

Zone:	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	5.12
Radial/Vertical	118.06
Bi-Radial Split	7.14

## Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	26.71	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