

# Genoa: 7000528 Noah finn flyer 31 headsail.des

Design Info  
=====

Design File:  
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need Confrim Order\7000528 Noah\70005

Initial Design Date: 6/6/2023  
Boat:

Comments:

Client:

Design Data  
=====

Genoa

## Measurements

Luff geodesic:	30.689Ft
Leech geodesic:	28.869Ft
Foot geodesic:	13.685Ft
Headboard width:	0.098Ft
Luff perpendicular (HLP):	12.875Ft
Upper width (HUW):	1.456Ft
Three-quarter width (HTW):	2.877Ft
Half width (HHW):	5.969Ft
Quarter width (HQW):	9.343Ft
Foot median:	29.491Ft
ORC Headsail area:	190.076Ft?
IRC Headsail area:	189.618Ft?
Surface area:	192.119Ft?
Forestay height:	33.500Ft
J:	10.300Ft

## Reefing Points

1, Luff: 4.623Ft ; Leech: 5.249Ft ; Offset: 0.000Ft ; Number Eyelets: 0

## Draft Stripes

1, Luff: 10.173Ft ; Leech: 8.947Ft ;  
2, Luff: 20.328Ft ; Leech: 18.724Ft ;

## Luff Slides

1, Position: 1.312Ft  
2, Position: 3.509Ft  
3, Position: 5.706Ft  
4, Position: 7.902Ft  
5, Position: 10.099Ft  
6, Position: 12.296Ft  
7, Position: 14.492Ft  
8, Position: 16.689Ft  
9, Position: 18.886Ft  
10, Position: 21.082Ft  
11, Position: 23.279Ft  
12, Position: 25.475Ft  
13, Position: 27.672Ft  
14, Position: 29.869Ft

## Luff Curve

30.683Ft,	0.000Ft
28.133Ft,	0.104Ft
25.313Ft,	0.188Ft
22.831Ft,	0.232Ft
19.945Ft,	0.248Ft
15.269Ft,	0.218Ft
9.972Ft,	0.148Ft
5.186Ft,	0.074Ft
0.000Ft,	0.000Ft

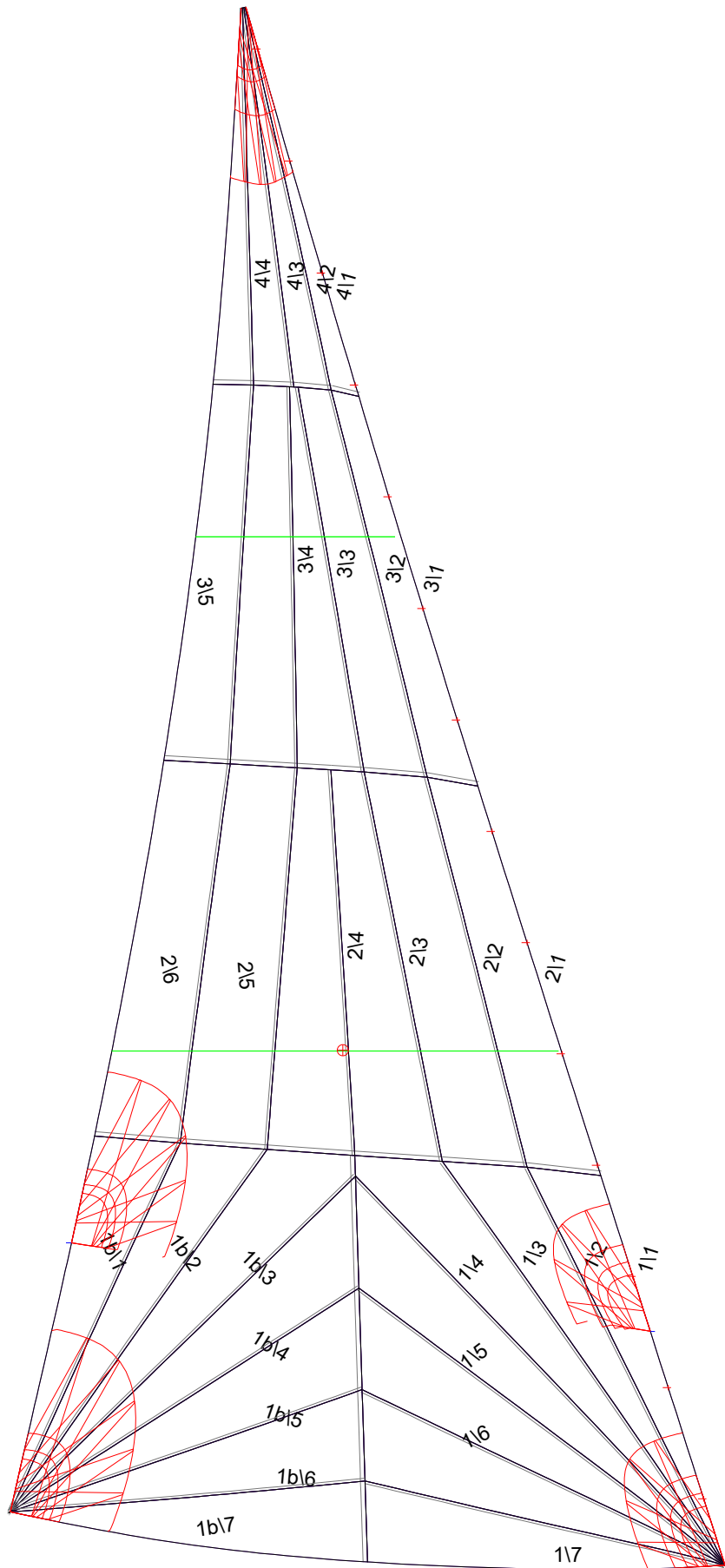
## Fanned Luff (@ 5.00% [0.673Ft])

100% (30.684Ft) :	-0.000Ft
90% (27.615Ft) :	-0.114Ft
80% (24.551Ft) :	-0.198Ft
70% (21.480Ft) :	-0.240Ft
60% (18.412Ft) :	-0.246Ft
50% (15.343Ft) :	-0.224Ft
40% (12.274Ft) :	-0.186Ft
30% (9.205Ft) :	-0.142Ft
20% (6.138Ft) :	-0.094Ft
10% (3.066Ft) :	-0.047Ft
0% (0.000Ft) :	0.000Ft

## Before BSeam

0.000Ft
-0.001Ft
0.013Ft
0.034Ft
0.057Ft
0.079Ft
0.094Ft
0.094Ft
0.080Ft
0.048Ft
0.000Ft

# Genoa: 7000528 Noah finn flyer 31 headsail.des



## Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1/a	0.085Ft	0.049Ft	0.085Ft
Zone: 1/b	0.085Ft	0.049Ft	0.085Ft
Zone: 2	0.085Ft	0.049Ft	0.085Ft
Zone: 3	0.085Ft	0.049Ft	0.085Ft
Zone: 4	0.085Ft	0.049Ft	0.085Ft

## Edge Excesses

Sail:	Luff	Leech	Foot
Sail:	0.000Ft	0.000Ft	0.000Ft

## Total Seam Lengths (Ft)

Horizontal	19.33
Radial/Vertical	187.95
Bi-Radial Split	8.01

## Materials

Material	Area (Ft <sup>2</sup> )	Panels
Material 1	192.32	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1b\1,1b\2,1b\3 1b\4,1b\5,1b\6,1b\7,2\1 2\2,2\3,2\4,2\5,2\6 3\1,3\2,3\3,3\4,3\5 4\1,4\2,4\3,4\4