

# Genoa: 7001019 Jeff Etap 28i Headsail.des

Design Info  
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Design File:  
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need to be Confirmed\7001019 Jeff\7001019

Initial Design Date: 9/11/2023  
Boat:

Comments:

Client:

Design Data  
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Genoa

## Measurements

Luff geodesic:	9.130m
Leech geodesic:	8.527m
Foot geodesic:	4.148m
Headboard width:	0.030m
Luff perpendicular (HLP):	3.880m
Upper width (HUW):	0.446m
Three-quarter width (HTW):	0.880m
Half width (HHW):	1.815m
Quarter width (HQW):	2.827m
Foot median:	8.716m
ORC Headsail area:	17.126m?
IRC Headsail area:	17.086m?
Surface area:	17.275m?
Forestay height:	9.900m
J:	2.940m

## Draft Stripes

1, Luff: 3.026m ; Leech: 2.563m ;  
2, Luff: 6.047m ; Leech: 5.492m ;

## Luff Curve

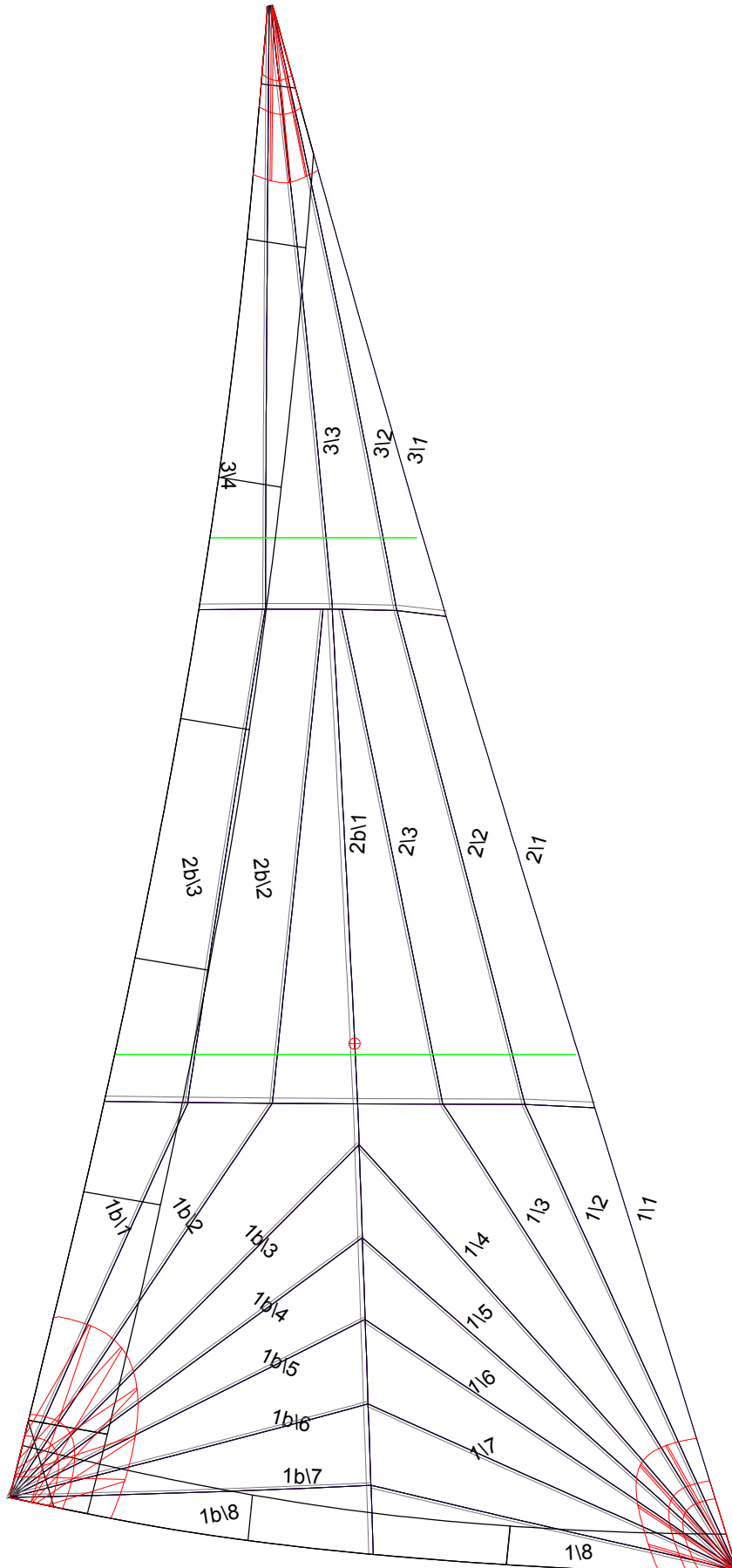
9.128m,	0.000m
8.370m,	0.031m
7.531m,	0.056m
6.792m,	0.069m
5.934m,	0.074m
4.543m,	0.065m
2.967m,	0.044m
1.543m,	0.022m
0.000m,	0.000m

## Fanned Luff (@ 5.00% [0.203m])

100% (9.128m) :	0.000m	0.000m
90% (8.216m) :	-0.034m	0.001m
80% (7.304m) :	-0.060m	0.006m
70% (6.390m) :	-0.072m	0.012m
60% (5.478m) :	-0.074m	0.020m
50% (4.564m) :	-0.068m	0.026m
40% (3.652m) :	-0.057m	0.030m
30% (2.739m) :	-0.043m	0.030m
20% (1.826m) :	-0.029m	0.025m
10% (0.912m) :	-0.015m	0.015m
0% (0.000m) :	0.000m	0.000m

## Before BSeam

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## Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.025m	0.015m	0.030m
Zone: 1/b	0.025m	0.015m	0.030m
Zone: 2/a	0.025m	0.015m	0.030m
Zone: 2/b	0.025m	0.015m	0.030m
Zone: 3	0.025m	0.015m	0.030m
Cover 1	0.025m	0.025m	0.025m
Cover 2	0.025m	0.025m	0.025m
Cover 3	0.000m	0.000m	0.000m
Cover 4	0.000m	0.000m	0.000m

## Edge Excesses

	Luff	Leech	Foot
Sail:	0.000m	0.000m	0.000m
Cover 0	0.070m	0.100m	0.070m
Cover 1	0.070m	0.070m	0.100m
Cover 2	0.000m	0.070m	0.070m
Cover 3	0.000m	0.070m	0.070m

## Total Seam Lengths (m)

Horizontal	4.37
Radial/Vertical	57.73
Bi-Radial Split	5.45

## Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	17.29	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1b\1,1b\2 1b\3,1b\4,1b\5,1b\6,1b\7 1b\8,2\1,2\2,2\3,2b\1 2b\2,2b\3,3\1,3\2,3\3 3\4