

# Genoa: 7000705 Eric -2 Jeanneau Sun Odyssey 42 DS Headsail.des

Design Info  
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Design File:  
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need Confrim Order\7000705 Eric\7000705

Initial Design Date: 12/7/2023  
Boat:

Comments:

Client:

Design Data  
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## Genoa

### Measurements

Luff geodesic:	15.147m
Leech geodesic:	14.120m
Foot geodesic:	5.466m
Headboard width:	0.033m
Luff perpendicular (HLP):	5.103m
Upper width (HUW):	0.552m
Three-quarter width (HTW):	1.100m
Half width (HHW):	2.318m
Quarter width (HQW):	3.669m
Foot median:	14.508m
ORC Headsail area:	36.749m?
IRC Headsail area:	36.658m?
Surface area:	36.804m?
Forestay height:	15.750m
J:	4.860m

### Draft Stripes

- 1, Luff: 5.021m ; Leech: 4.389m ;
- 2, Luff: 10.034m ; Leech: 9.166m ;

### Luff Curve

15.144m,	0.000m
13.886m,	0.051m
12.494m,	0.093m
11.269m,	0.114m
9.844m,	0.122m
7.536m,	0.107m
4.922m,	0.073m
2.560m,	0.036m
0.000m,	0.000m

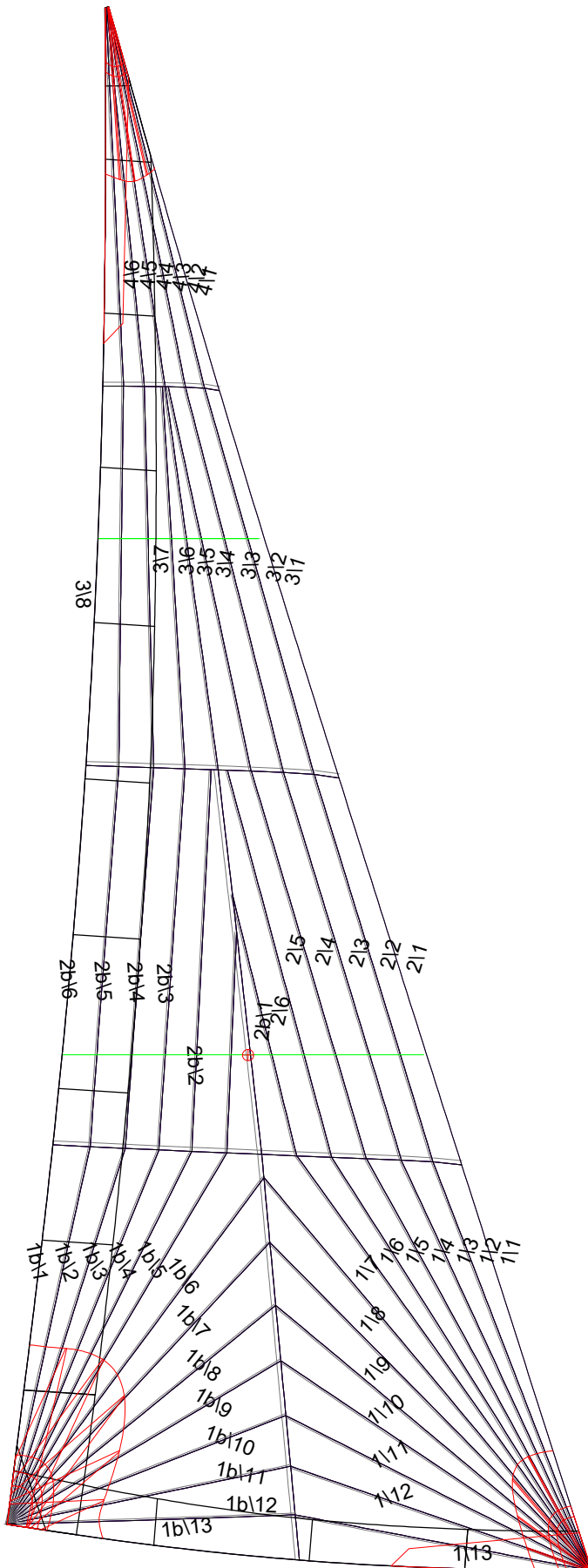
### Fanned Luff (@ 5.00% [0.270m])

100% (15.145m) :	-0.000m
90% (13.629m) :	-0.055m
80% (12.118m) :	-0.095m
70% (10.602m) :	-0.115m
60% (9.087m) :	-0.118m
50% (7.573m) :	-0.109m
40% (6.058m) :	-0.092m
30% (4.543m) :	-0.071m
20% (3.030m) :	-0.048m
10% (1.513m) :	-0.025m
0% (0.000m) :	0.000m

### Before BSeam

0.000m
-0.021m
-0.032m
-0.030m
-0.021m
-0.008m
0.003m
0.009m
0.011m
0.008m
0.000m

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## Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.038m	0.016m	0.038m
Zone: 1/b	0.038m	0.016m	0.038m
Zone: 2/a	0.038m	0.016m	0.038m
Zone: 2/b	0.038m	0.016m	0.038m
Zone: 3	0.038m	0.016m	0.038m
Zone: 4	0.038m	0.016m	0.038m
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	7.49
Radial/Vertical	165.98
Bi-Radial Split	7.71

## Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	36.87	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1\9,1\10 1\11,1\12,1\13,1b\1,1b\2 1b\3,1b\4,1b\5,1b\6,1b\7 1b\8,1b\9,1b\10,1b\11,1b\12 1b\13,2\1,2\2,2\3,2\4 2\5,2\6,2b\1,2b\2,2b\3 2b\4,2b\5,2b\6,3\1,3\2 3\3,3\4,3\5,3\6,3\7 3\8,4\1,4\2,4\3,4\4 4\5,4\6