

# Genoa: 7000711 Steven -2 Vancouver 27 135% Headsail.des

Design Info  
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Design File:  
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need Confrim Order\7000711 Steven\7000

Initial Design Date: 12/7/2023  
Boat:

Comments:

Client:

Design Data  
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## Genoa

### Measurements

Luff geodesic:	9.970m
Leech geodesic:	9.690m
Foot geodesic:	5.270m
Headboard width:	0.030m
Luff perpendicular (HLP):	5.030m
Upper width (HUW):	0.578m
Three-quarter width (HTW):	1.149m
Half width (HHW):	2.373m
Quarter width (HQW):	3.682m
Foot median:	9.640m
ORC Headsail area:	24.335m?
IRC Headsail area:	24.278m?
Surface area:	24.531m?
Forestay height:	10.750m
J:	3.930m

### Draft Stripes

- 1, Luff: 3.308m ; Leech: 3.296m ;
- 2, Luff: 6.609m ; Leech: 6.429m ;

### Luff Curve

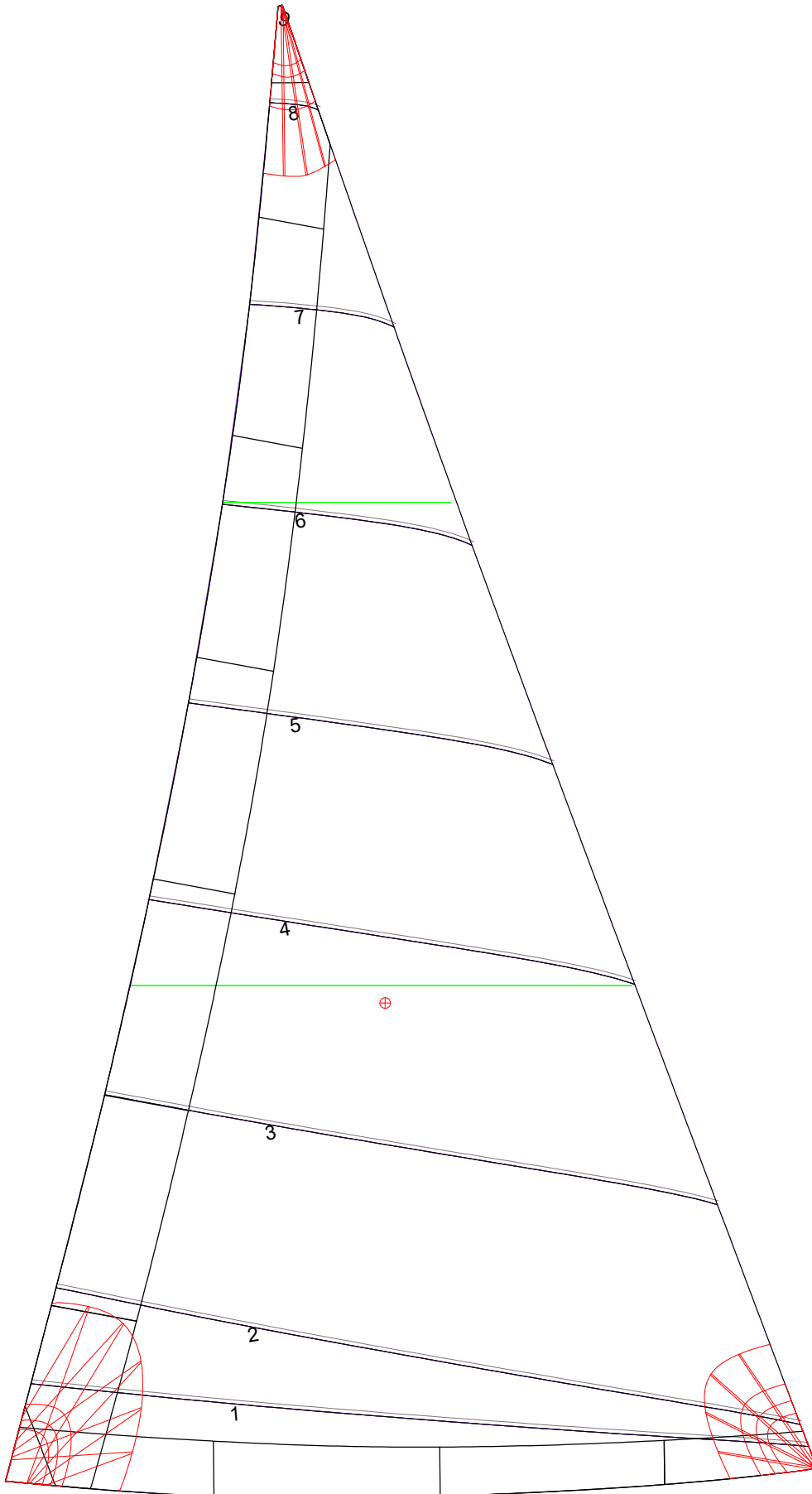
9.968m,	0.000m
9.140m,	0.034m
8.224m,	0.061m
7.417m,	0.075m
6.479m,	0.081m
4.960m,	0.071m
3.240m,	0.048m
1.685m,	0.024m
0.000m,	0.000m

### Fanned Luff (@ 5.00% [0.260m])

100% (9.968m) :	-0.000m	-0.000m
90% (8.970m) :	-0.036m	0.006m
80% (7.976m) :	-0.064m	0.015m
70% (6.978m) :	-0.078m	0.025m
60% (5.982m) :	-0.080m	0.034m
50% (4.984m) :	-0.074m	0.042m
40% (3.988m) :	-0.062m	0.045m
30% (2.990m) :	-0.047m	0.043m
20% (1.994m) :	-0.032m	0.035m
10% (0.996m) :	-0.016m	0.020m
0% (0.000m) :	0.000m	0.000m

### Before BSeam

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## Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1	0.025m	0.025m	0.025m
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

Sail:	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	23.06
Radial/Vertical	0.00
Bi-Radial Split	0.00

## Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	24.58	1,2,3,4,5 6,7,8,9