

# Genoa: 7000914 Jeroen-2 Koopmans 31 Nova Headsail.des

Design Info  
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Design File:  
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need to be Confirmed\7000914 Jeroen\70

Initial Design Date: 21/9/2023  
Boat:

Comments:

Client:

Design Data  
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## Genoa

### Measurements

Luff geodesic:	10.296m
Leech geodesic:	10.098m
Foot geodesic:	5.742m
Headboard width:	0.030m
Luff perpendicular (HLP):	5.499m
Upper width (HUW):	0.615m
Three-quarter width (HTW):	1.236m
Half width (HHW):	2.579m
Quarter width (HQW):	4.027m
Foot median:	10.030m
ORC Headsail area:	27.384m?
IRC Headsail area:	27.288m?
Surface area:	27.815m?
Forestay height:	10.900m
J:	3.700m

### Draft Stripes

1, Luff: 3.415m ; Leech: 3.400m ;  
2, Luff: 6.823m ; Leech: 6.692m ;

### Luff Curve

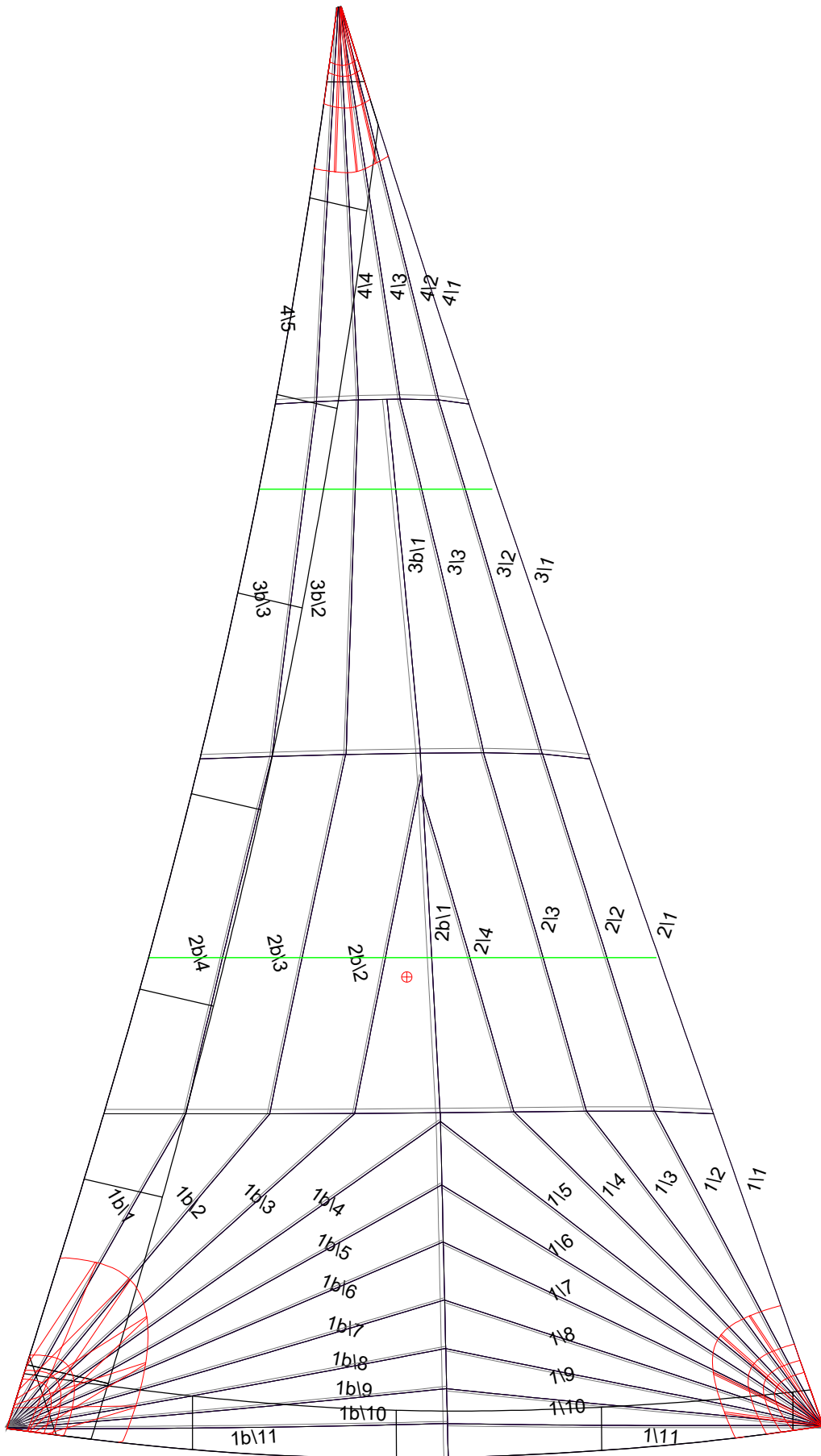
10.294m,	0.000m
9.439m,	0.035m
8.493m,	0.063m
7.660m,	0.078m
6.691m,	0.083m
5.123m,	0.073m
3.346m,	0.050m
1.740m,	0.025m
0.000m,	0.000m

### Fanned Luff (@ 5.00% [0.280m])

100% (10.294m) :	0.000m	0.000m
90% (9.263m) :	-0.040m	-0.003m
80% (8.237m) :	-0.067m	0.003m
70% (7.206m) :	-0.081m	0.016m
60% (6.177m) :	-0.082m	0.033m
50% (5.147m) :	-0.075m	0.049m
40% (4.118m) :	-0.063m	0.059m
30% (3.088m) :	-0.048m	0.061m
20% (2.059m) :	-0.032m	0.050m
10% (1.028m) :	-0.017m	0.029m
0% (0.000m) :	0.000m	0.000m

### Before BSeam

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## Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.030m	0.015m	0.030m
Zone: 1/b	0.030m	0.015m	0.030m
Zone: 2/a	0.030m	0.015m	0.030m
Zone: 2/b	0.030m	0.015m	0.030m
Zone: 3/a	0.030m	0.015m	0.030m
Zone: 3/b	0.030m	0.015m	0.030m
Zone: 4	0.030m	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	8.68
Radial/Vertical	96.82
Bi-Radial Split	7.57

## Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	27.85	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1\9,1\10 1\11,1b\1,1b\2,1b\3,1b\4 1b\5,1b\6,1b\7,1b\8,1b\9 1b\10,1b\11,2\1,2\2,2\3 2\4,2b\1,2b\2,2b\3,2b\4 3\1,3\2,3\3,3b\1,3b\2 3b\3,4\1,4\2,4\3,4\4 4\5