

# Genoa: 7000915 Nim Headsail.des

Design Info  
=====

Design File:  
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need to be Confirmed\7000915 Nim\7000915 Nim

Initial Design Date: 23/9/2023  
Boat:

Comments:

Client:

Design Data  
=====

## Genoa

### Measurements

Luff geodesic: 12.177m  
 Leech geodesic: 11.512m  
 Foot geodesic: 4.054m  
 Headboard width: 0.030m  
 Luff perpendicular (HLP): 3.850m  
 Upper width (HUW): 0.505m  
 Three-quarter width (HTW): 0.984m  
 Half width (HHW): 1.956m  
 Quarter width (HQW): 2.919m  
 Foot median: 11.773m  
 ORC Headsail area: 23.713m?  
 IRC Headsail area: 23.667m?  
 Surface area: 23.892m?  
 Forestay height: 12.400m  
 J: 3.500m

### Battens

Position	Length	Roach	Angle	Luff	Leech	Full
80.000%	1.200m	0.000m	160.737?	32.875m	9.187m	
60.000%	1.200m	0.000m	160.737?	76.211m	6.890m	
40.000%	1.200m	0.000m	160.737?	119.547m	4.593m	
20.000%	1.200m	0.000m	160.737?	162.883m	2.297m	

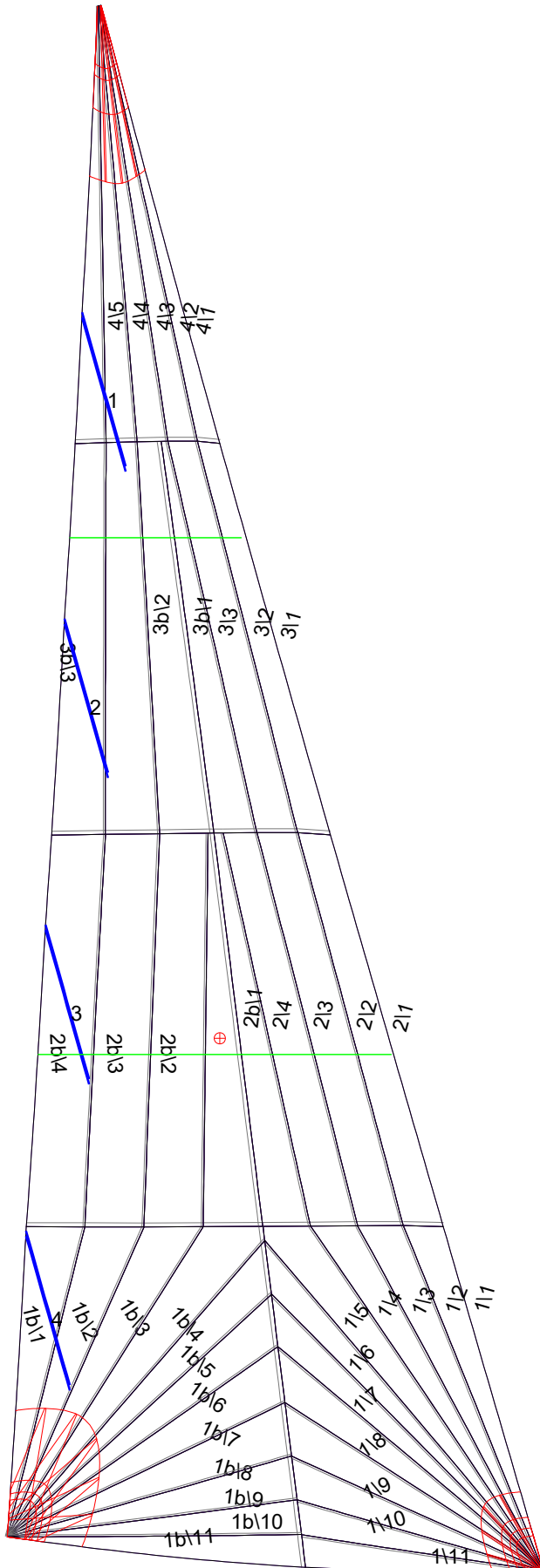
### Draft Stripes

1, Luff: 4.031m ; Leech: 3.629m ;  
 2, Luff: 8.057m ; Leech: 7.499m ;

### Luff Curve

		Fanned Luff (@ 5.00% [0.200m])	Before BSeam
12.176m,	0.000m	100% (12.176m) :	-0.000m 0.000m
11.164m,	0.031m	90% (10.958m) :	-0.032m -0.001m
10.045m,	0.055m	80% (9.742m) :	-0.056m 0.002m
9.060m,	0.068m	70% (8.523m) :	-0.068m 0.009m
7.914m,	0.073m	60% (7.306m) :	-0.071m 0.017m
6.059m,	0.064m	50% (6.088m) :	-0.066m 0.025m
3.957m,	0.044m	40% (4.871m) :	-0.056m 0.029m
2.058m,	0.022m	30% (3.653m) :	-0.044m 0.028m
0.000m,	0.000m	20% (2.436m) :	-0.030m 0.024m
		10% (1.217m) :	-0.016m 0.015m
		0% (0.000m) :	0.000m 0.000m

# Genoa: 7000915 Nim Headsail.des



## Seam Allowances

Zone:	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

## Edge Excesses

Sail:	Luff	Leech	Foot
Sail:	0.000m	0.000m	0.000m

## Total Seam Lengths (m)

Horizontal	6.56
Radial/Vertical	94.41
Bi-Radial Split	8.74

## Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	23.94	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