

Genoa: 7001015 Nicolas-2 Headsail.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need to be Confirmed\7001015 Nicolas\70

Initial Design Date: 16/11/2023
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	14.500m
Leech geodesic:	13.824m
Foot geodesic:	4.701m
Headboard width:	0.033m
Luff perpendicular (HLP):	4.500m
Upper width (HUW):	0.530m
Three-quarter width (HTW):	1.044m
Half width (HHW):	2.139m
Quarter width (HQW):	3.303m
Foot median:	14.079m
ORC Headsail area:	31.808m?
IRC Headsail area:	31.739m?
Surface area:	31.889m?
Forestay height:	14.400m
J:	4.100m

Draft Stripes

1, Luff: 3.634m ; Leech: 3.338m ;
2, Luff: 7.267m ; Leech: 6.831m ;
3, Luff: 10.893m ; Leech: 10.312m ;

Luff Curve

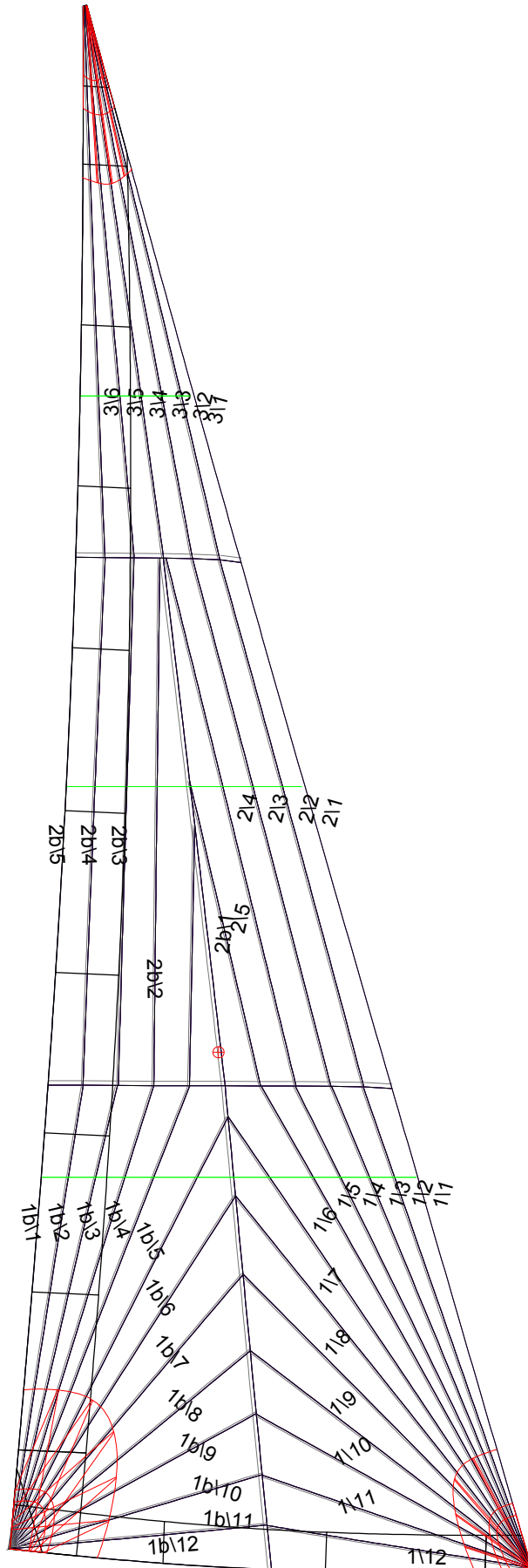
14.499m,	0.000m
13.294m,	0.030m
11.962m,	0.053m
10.789m,	0.066m
9.425m,	0.070m
7.215m,	0.062m
4.712m,	0.042m
2.451m,	0.021m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.233m])

100% (14.499m) :	0.000m	-0.000m
90% (13.049m) :	-0.030m	0.001m
80% (11.600m) :	-0.052m	0.006m
70% (10.150m) :	-0.065m	0.014m
60% (8.700m) :	-0.068m	0.024m
50% (7.250m) :	-0.064m	0.032m
40% (5.800m) :	-0.054m	0.037m
30% (4.350m) :	-0.043m	0.036m
20% (2.900m) :	-0.030m	0.031m
10% (1.449m) :	-0.016m	0.020m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.032m	0.016m	0.040m
Zone: 1/b	0.032m	0.016m	0.040m
Zone: 2/a	0.032m	0.016m	0.040m
Zone: 2/b	0.032m	0.016m	0.040m
Zone: 3	0.032m	0.016m	0.040m
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	4.75
Radial/Vertical	141.03
Bi-Radial Split	9.47

Materials

Material	Area (m ²)	Panels
Material 1	31.95	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1\9,1\10 1\11,1\12,1b\1,1b\2,1b\3 1b\4,1b\5,1b\6,1b\7,1b\8 1b\9,1b\10,1b\11,1b\12,2\1 2\2,2\3,2\4,2\5,2b\1 2b\2,2b\3,2b\4,2b\5,3\1 3\2,3\3,3\4,3\5,3\6