

Genoa: 8000202 Pasquale Headsail.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000202 Pasquale

Initial Design Date: 24/2/2024
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	13.600m
Leech geodesic:	13.051m
Foot geodesic:	5.820m
Headboard width:	0.040m
Luff perpendicular (HLP):	5.572m
Upper width (HUW):	0.610m
Three-quarter width (HTW):	1.219m
Half width (HHW):	2.566m
Quarter width (HQW):	4.045m
Foot median:	13.179m
ORC Headsail area:	36.313m?
IRC Headsail area:	36.176m?
Surface area:	36.473m?
Forestay height:	14.150m
J:	3.980m

Draft Stripes

1, Luff: 3.414m ; Leech: 3.110m ;
2, Luff: 6.827m ; Leech: 6.434m ;
3, Luff: 10.227m ; Leech: 9.719m ;

Luff Curve

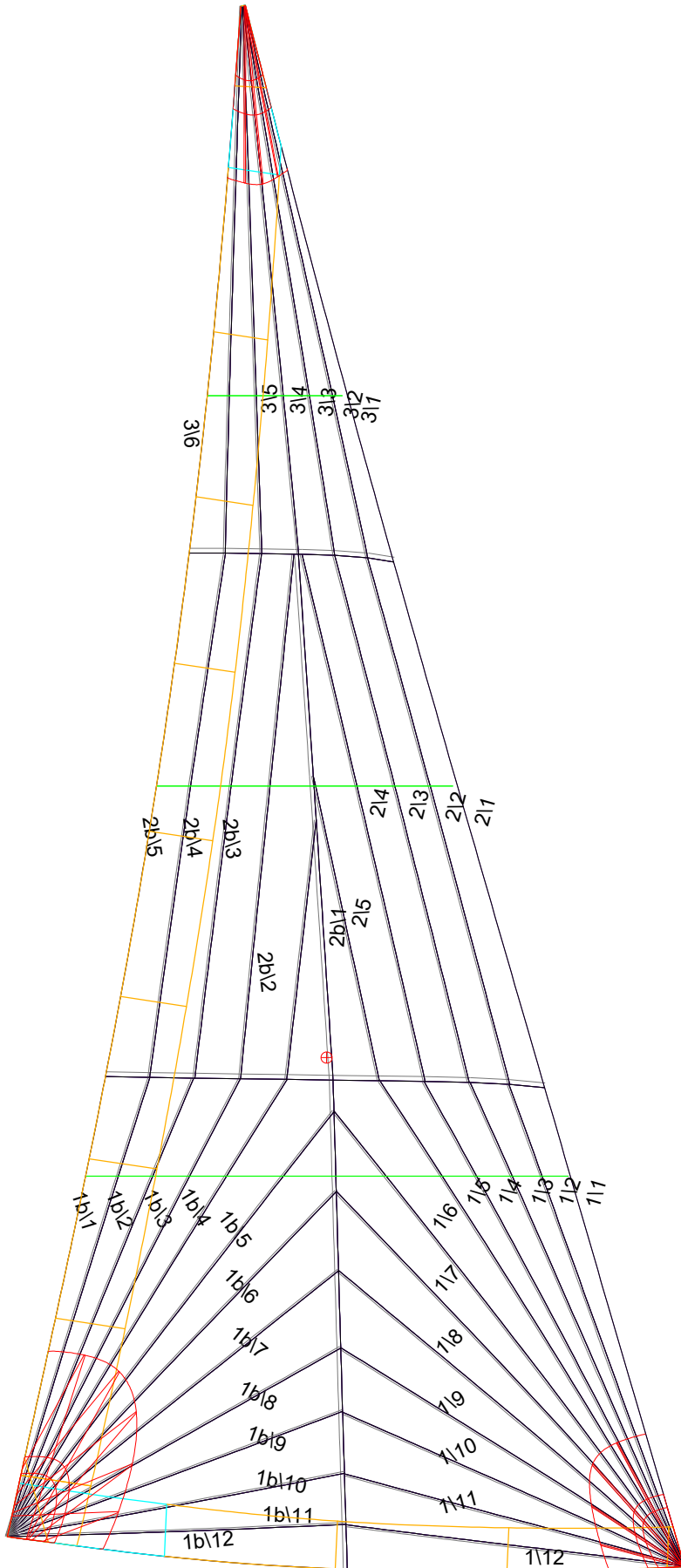
13.597m,	0.000m
12.467m,	0.046m
11.218m,	0.083m
10.118m,	0.103m
8.839m,	0.110m
6.767m,	0.096m
4.419m,	0.066m
2.298m,	0.033m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.284m])

100% (13.598m) :	-0.000m	0.000m
90% (12.237m) :	-0.052m	-0.013m
80% (10.880m) :	-0.088m	-0.014m
70% (9.519m) :	-0.106m	-0.004m
60% (8.159m) :	-0.107m	0.013m
50% (6.799m) :	-0.097m	0.031m
40% (5.439m) :	-0.081m	0.044m
30% (4.079m) :	-0.062m	0.050m
20% (2.720m) :	-0.041m	0.044m
10% (1.359m) :	-0.021m	0.027m
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	5.74
Radial/Vertical	141.46
Bi-Radial Split	8.86

Materials

Material	Area (m ²)	Panels
Material 1	36.51	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