

Genoa: 8000528 Binne-2 Etap 22i Headsail tri-radial.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000528 Binne Etap

Initial Design Date: 30/5/2024
Boat:
Etap 22i
Client:

Comments:

Design Data
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Genoa

Measurements

Luff geodesic: 6.237m
Leech geodesic: 5.863m
Foot geodesic: 3.172m
Headboard width: 0.050m
Luff perpendicular (HLP): 2.970m
Upper width (HUW): 0.351m
Three-quarter width (HTW): 0.677m
Half width (HHW): 1.414m
Quarter width (HQW): 2.182m
Foot median: 5.937m
ORC Headsail area: 9.034m?
IRC Headsail area: 9.003m?
Surface area: 9.126m?
Forestay height: 6.650m
J: 2.200m

Draft Stripes

1, Luff: 2.068m ; Leech: 1.809m ;
2, Luff: 4.133m ; Leech: 3.795m ;

Luff Slides

1, Position: 0.500m
2, Position: 1.262m
3, Position: 2.025m
4, Position: 2.787m
5, Position: 3.550m
6, Position: 4.312m
7, Position: 5.075m
8, Position: 5.837m

Luff Curve

6.236m, 0.000m
5.718m, 0.021m
5.144m, 0.039m
4.640m, 0.048m
4.053m, 0.051m
3.103m, 0.045m
2.027m, 0.030m
1.054m, 0.015m
0.000m, 0.000m

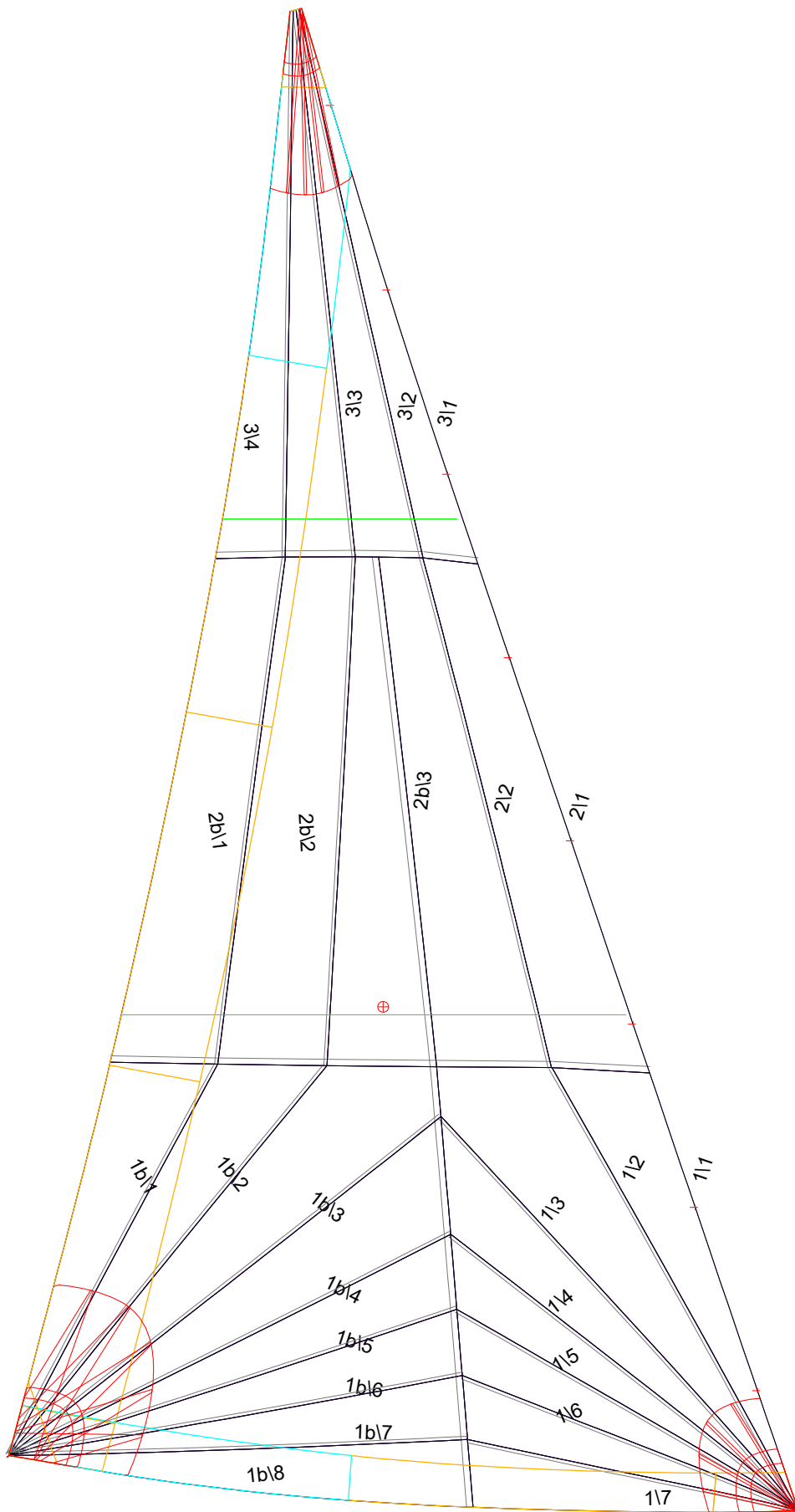
Fanned Luff (@ 5.00% [0.156m])

100% (6.236m) : -0.000m
90% (5.612m) : -0.024m
80% (4.990m) : -0.044m
70% (4.365m) : -0.052m
60% (3.742m) : -0.051m
50% (3.118m) : -0.045m
40% (2.495m) : -0.038m
30% (1.871m) : -0.029m
20% (1.247m) : -0.019m
10% (0.623m) : -0.010m
0% (0.000m) : 0.000m

Before BSeam

-0.000m
-0.007m
-0.011m
-0.002m
0.012m
0.023m
0.028m
0.028m
0.023m
0.012m
0.000m

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Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1/a	0.025m	0.013m	0.025m
Zone: 1/b	0.025m	0.013m	0.025m
Zone: 2/a	0.025m	0.013m	0.025m
Zone: 2/b	0.025m	0.013m	0.025m
Zone: 3	0.025m	0.013m	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

	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	3.33
Radial/Vertical	36.74
Bi-Radial Split	3.90

Materials

Material	Area (m ²)	Panels
Material 1	9.14	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1b\1,1b\2,1b\3 1b\4,1b\5,1b\6,1b\7,1b\8 2\1,2\2,2b\3,2b\2,2b\1 3\1,3\2,3\3,3\4