

Genoa: 8000701 Age-3 Grinde 27 127% furlgen.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000701 Age Grin

Initial Design Date: 22/7/2024
Boat:
Grinde 27
Client:

Comments:

Design Data
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Genoa

Measurements

Luff geodesic:	11.100m
Leech geodesic:	10.491m
Foot geodesic:	4.976m
Headboard width:	0.045m
Luff perpendicular (HLP):	4.699m
Upper width (HUW):	0.517m
Three-quarter width (HTW):	1.021m
Half width (HHW):	2.176m
Quarter width (HQW):	3.418m
Foot median:	10.656m
ORC Headsail area:	25.035m?
IRC Headsail area:	24.940m?
Surface area:	25.200m?
Forestay height:	11.250m
J:	3.700m

Reefing Points

1, Luff: 1.472m ; Leech: 1.853m ; Offset: 0.000m ; Number Eyelets: 3

Draft Stripes

1, Luff: 3.681m ; Leech: 3.357m ;
2, Luff: 7.355m ; Leech: 6.859m ;

Luff Slides

1, Position: 0.500m
2, Position: 1.221m
3, Position: 1.943m
4, Position: 2.664m
5, Position: 3.386m
6, Position: 4.107m
7, Position: 4.829m
8, Position: 5.550m
9, Position: 6.271m
10, Position: 6.993m
11, Position: 7.714m
12, Position: 8.436m
13, Position: 9.157m
14, Position: 9.879m
15, Position: 10.600m

Luff Curve

11.098m,	0.000m
10.176m,	0.038m
9.156m,	0.068m
8.258m,	0.084m
7.214m,	0.090m
5.523m,	0.079m
3.607m,	0.053m
1.876m,	0.027m
0.000m,	0.000m

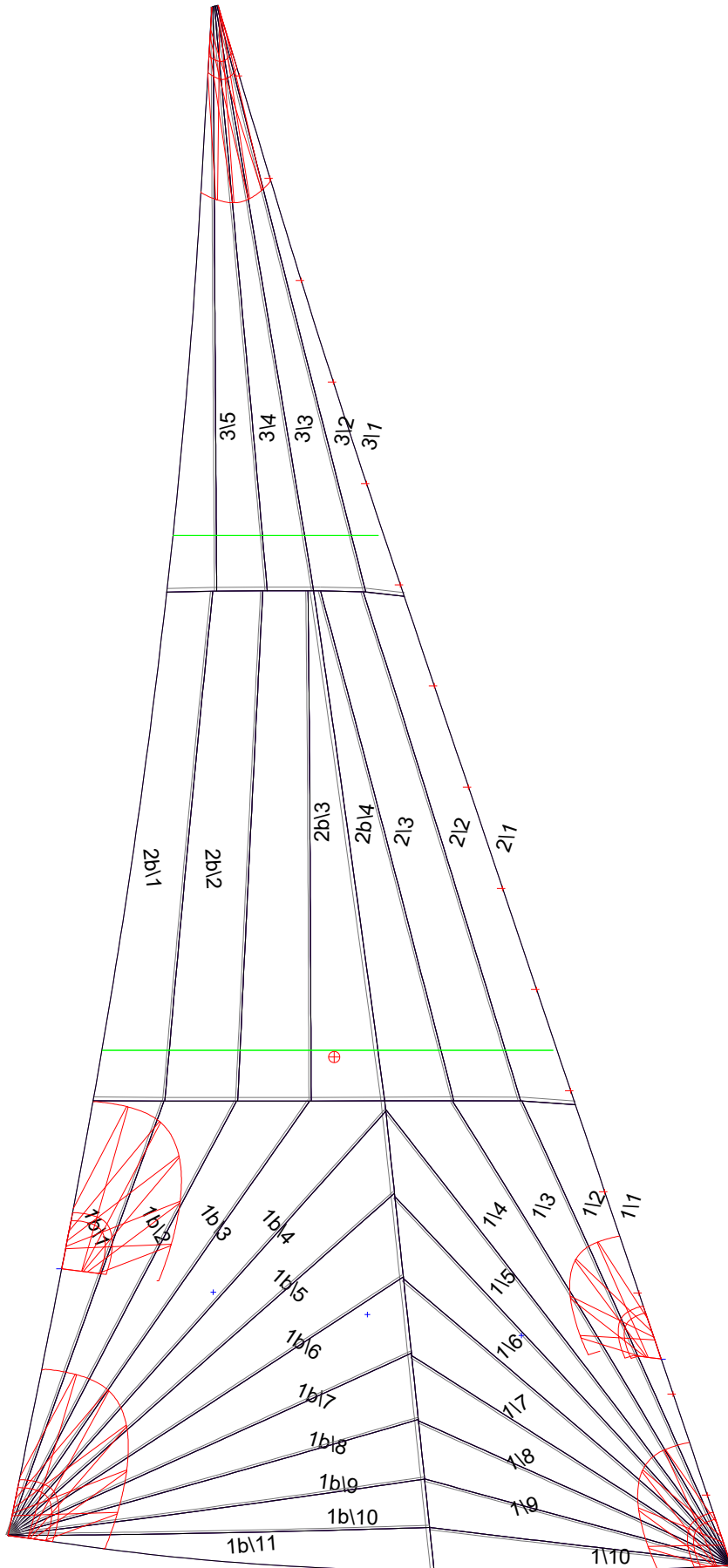
Fanned Luff (@ 5.00% [0.244m])

100% (11.098m) :	0.000m
90% (9.987m) :	-0.043m
80% (8.880m) :	-0.079m
70% (7.769m) :	-0.093m
60% (6.659m) :	-0.091m
50% (5.549m) :	-0.082m
40% (4.440m) :	-0.068m
30% (3.329m) :	-0.051m
20% (2.220m) :	-0.034m
10% (1.109m) :	-0.017m
0% (0.000m) :	0.000m

Before BSeam

0.000m
-0.018m
-0.029m
-0.017m
0.006m
0.024m
0.035m
0.038m
0.033m
0.018m
0.000m

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Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1/a	0.025m	0.015m	0.025m
Zone: 1/b	0.025m	0.015m	0.025m
Zone: 2/a	0.025m	0.015m	0.025m
Zone: 2/b	0.025m	0.015m	0.025m
Zone: 3	0.025m	0.015m	0.025m

Edge Excesses

Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	5.11
Radial/Vertical	93.17
Bi-Radial Split	6.88

Materials

Material	Area (m ²)	Panels
Material 1	25.25	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1\9,1\10 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\3,2b\4 2b\3,2b\2,2b\1,3\1,3\2 3\3,3\4,3\5