

Genoa: 7000224 Soren headsail.des

Design Info

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Design File:

\\Nas\工程部-专用文件\Queenie-跟进客户\Fareast Sails\2023 Order\Need Confrim Order\7000224 Soren\7000224 Sor

Initial Design Date: 9/3/2023

Boat:

Comments:

Client:

Design Data

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Genoa

Measurements

Luff geodesic:	13.959m
Leech geodesic:	13.325m
Foot geodesic:	4.217m
Headboard width:	0.033m
Luff perpendicular (HLP):	4.028m
Upper width (HUW):	0.420m
Three-quarter width (HTW):	0.834m
Half width (HHW):	1.775m
Quarter width (HQW):	2.853m
Foot median:	13.575m
ORC Headsail area:	26.325m?
IRC Headsail area:	26.262m?
Surface area:	26.241m?
Forestay height:	14.100m
J:	3.800m

Draft Stripes

1, Luff: 4.620m ; Leech: 4.276m ;
2, Luff: 9.235m ; Leech: 8.720m ;

Luff Curve

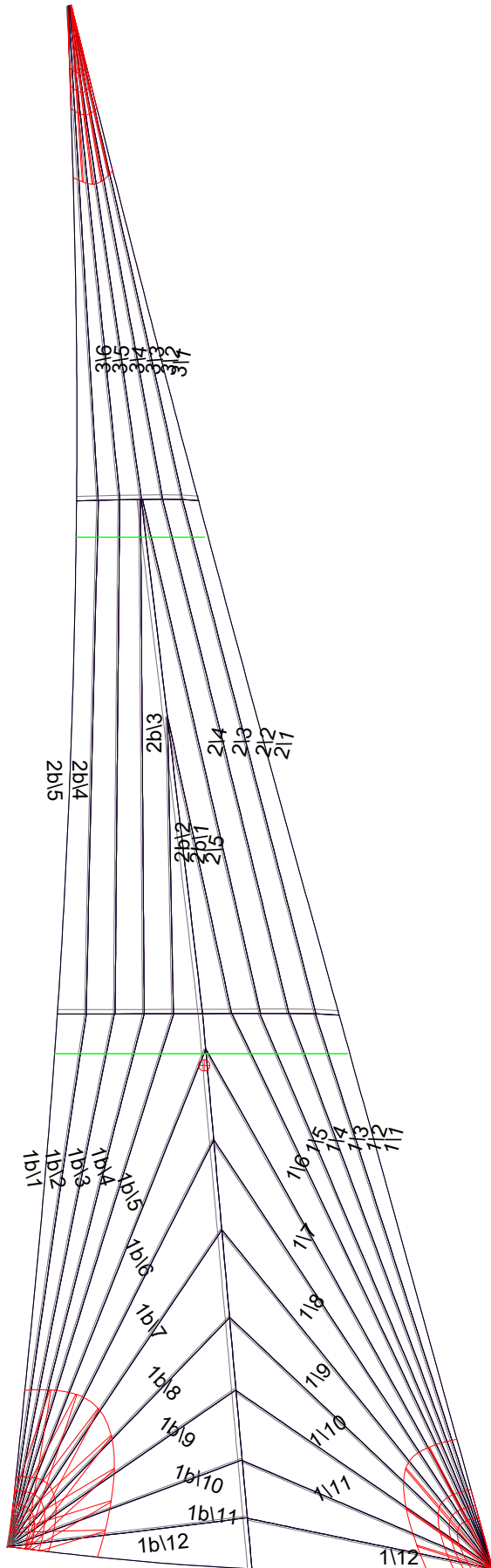
13.958m,	0.000m
12.798m,	0.035m
11.515m,	0.064m
10.386m,	0.078m
9.073m,	0.084m
6.946m,	0.073m
4.536m,	0.050m
2.359m,	0.025m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.208m])

100% (13.958m) :	0.000m	-0.000m
90% (12.561m) :	-0.037m	-0.015m
80% (11.167m) :	-0.064m	-0.023m
70% (9.771m) :	-0.078m	-0.024m
60% (8.375m) :	-0.080m	-0.020m
50% (6.979m) :	-0.073m	-0.012m
40% (5.583m) :	-0.061m	-0.004m
30% (4.187m) :	-0.046m	0.002m
20% (2.792m) :	-0.030m	0.005m
10% (1.395m) :	-0.015m	0.005m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.038m	0.015m	0.038m
Zone: 1/b	0.038m	0.015m	0.038m
Zone: 2/a	0.038m	0.015m	0.038m
Zone: 2/b	0.038m	0.015m	0.038m
Zone: 3	0.038m	0.015m	0.038m

Edge Excesses

Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	3.63
Radial/Vertical	138.96
Bi-Radial Split	9.67

Materials

Material	Area (m²)	Panels
Material 1	26.30	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