

Genoa: 7000404 Elliott headsailV1.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\7000404 Elliott\7000404 Elliot

Initial Design Date: 8/4/2023
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	40.830Ft
Leech geodesic:	39.828Ft
Foot geodesic:	19.763Ft
Headboard width:	0.098Ft
Luff perpendicular (HLP):	18.987Ft
Upper width (HUW):	2.118Ft
Three-quarter width (HTW):	4.231Ft
Half width (HHW):	8.816Ft
Quarter width (HQW):	13.781Ft
Foot median:	39.721Ft
ORC Headsail area:	372.748Ft?
IRC Headsail area:	372.007Ft?
Surface area:	374.681Ft?
Forestay height:	41.410Ft
J:	12.250Ft

Draft Stripes

1, Luff: 13.535Ft ; Leech: 13.056Ft ;
2, Luff: 27.047Ft ; Leech: 26.207Ft ;

Luff Curve

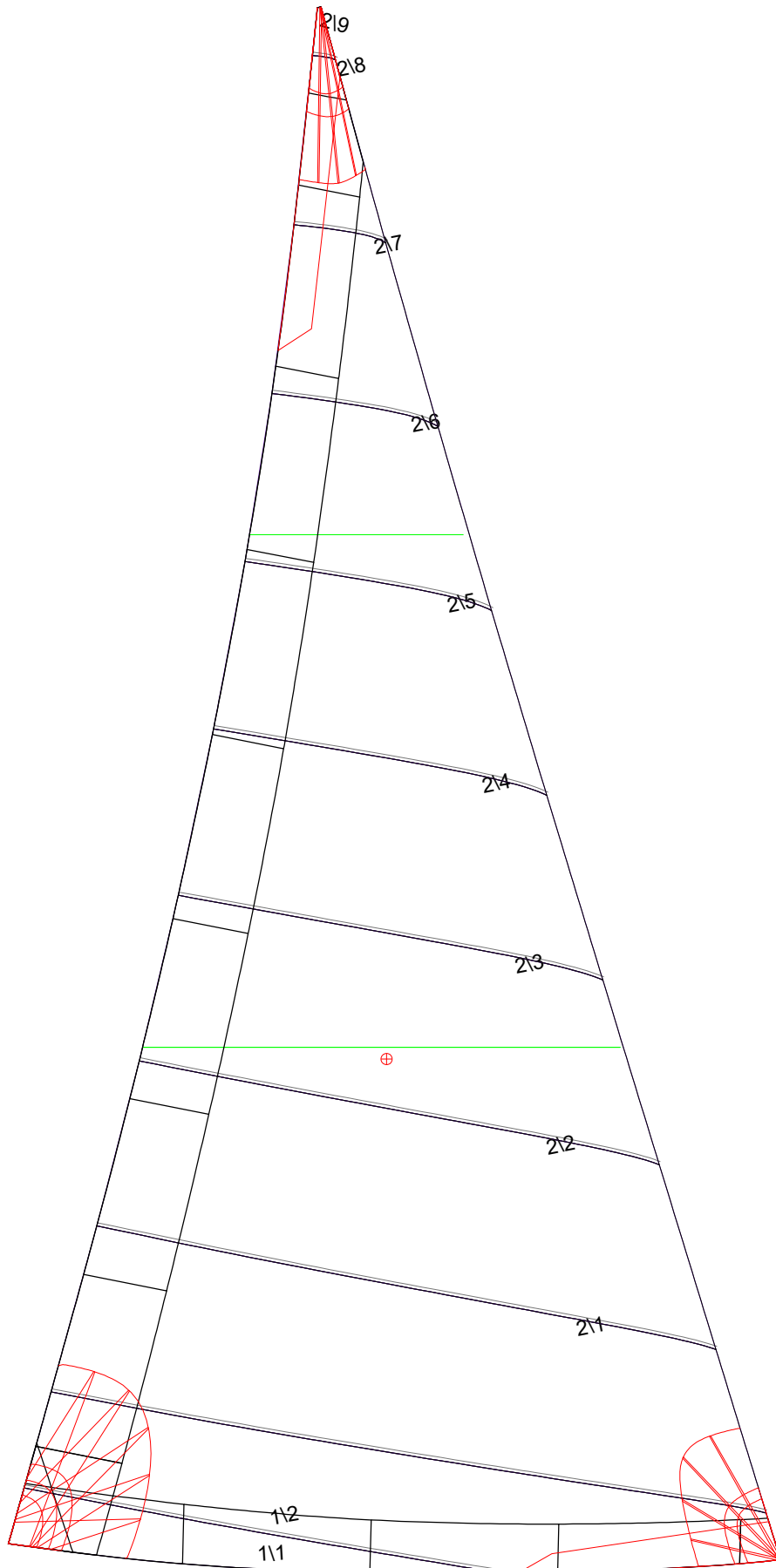
40.821Ft,	0.000Ft
37.429Ft,	0.145Ft
33.678Ft,	0.263Ft
30.375Ft,	0.323Ft
26.535Ft,	0.346Ft
20.314Ft,	0.304Ft
13.267Ft,	0.206Ft
6.900Ft,	0.103Ft
0.000Ft,	0.000Ft

Fanned Luff (@ 5.00% [0.973Ft])

100% (40.823Ft) :	0.000Ft	-0.000Ft
90% (36.738Ft) :	-0.153Ft	-0.001Ft
80% (32.664Ft) :	-0.266Ft	0.016Ft
70% (28.578Ft) :	-0.323Ft	0.043Ft
60% (24.496Ft) :	-0.332Ft	0.072Ft
50% (20.413Ft) :	-0.304Ft	0.100Ft
40% (16.330Ft) :	-0.254Ft	0.117Ft
30% (12.247Ft) :	-0.193Ft	0.114Ft
20% (8.167Ft) :	-0.128Ft	0.100Ft
10% (4.079Ft) :	-0.063Ft	0.067Ft
0% (0.000Ft) :	-0.000Ft	0.000Ft

Before BSeam

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Seam Allowances

	Split	Radial	Cross
Zone: 1	0.082Ft	0.082Ft	0.082Ft
Zone: 2	0.082Ft	0.082Ft	0.082Ft
Cover 1	0.082Ft	0.082Ft	0.082Ft
Cover 2	0.082Ft	0.082Ft	0.082Ft
Cover 3	0.000Ft	0.000Ft	0.000Ft
Cover 4	0.000Ft	0.000Ft	0.000Ft

Edge Excesses

	Luff	Leech	Foot
Sail:	0.000Ft	0.000Ft	0.000Ft
Cover 0	0.230Ft	0.328Ft	0.230Ft
Cover 1	0.230Ft	0.230Ft	0.230Ft
Cover 2	0.000Ft	0.230Ft	0.230Ft
Cover 3	0.000Ft	0.230Ft	0.230Ft

Total Seam Lengths (Ft)

Horizontal	96.37
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (Ft ²)	Panels
Material 1	375.85	1\1,1\2,2\1,2\2,2\3 2\4,2\5,2\6,2\7,2\8 2\9