

Genoa: 7000419 William-2 F27 headsailV1.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need Confrim Order\7000419 William\700

Initial Design Date: 27/4/2023
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	32.480Ft
Leech geodesic:	30.167Ft
Foot geodesic:	11.581Ft
Headboard width:	0.098Ft
Luff perpendicular (HLP):	10.758Ft
Upper width (HUW):	1.135Ft
Three-quarter width (HTW):	2.244Ft
Half width (HHW):	4.762Ft
Quarter width (HQW):	7.637Ft
Foot median:	31.067Ft
ORC Headsail area:	164.053Ft?
IRC Headsail area:	163.633Ft?
Surface area:	164.170Ft?
Forestay height:	38.810Ft
J:	9.100Ft

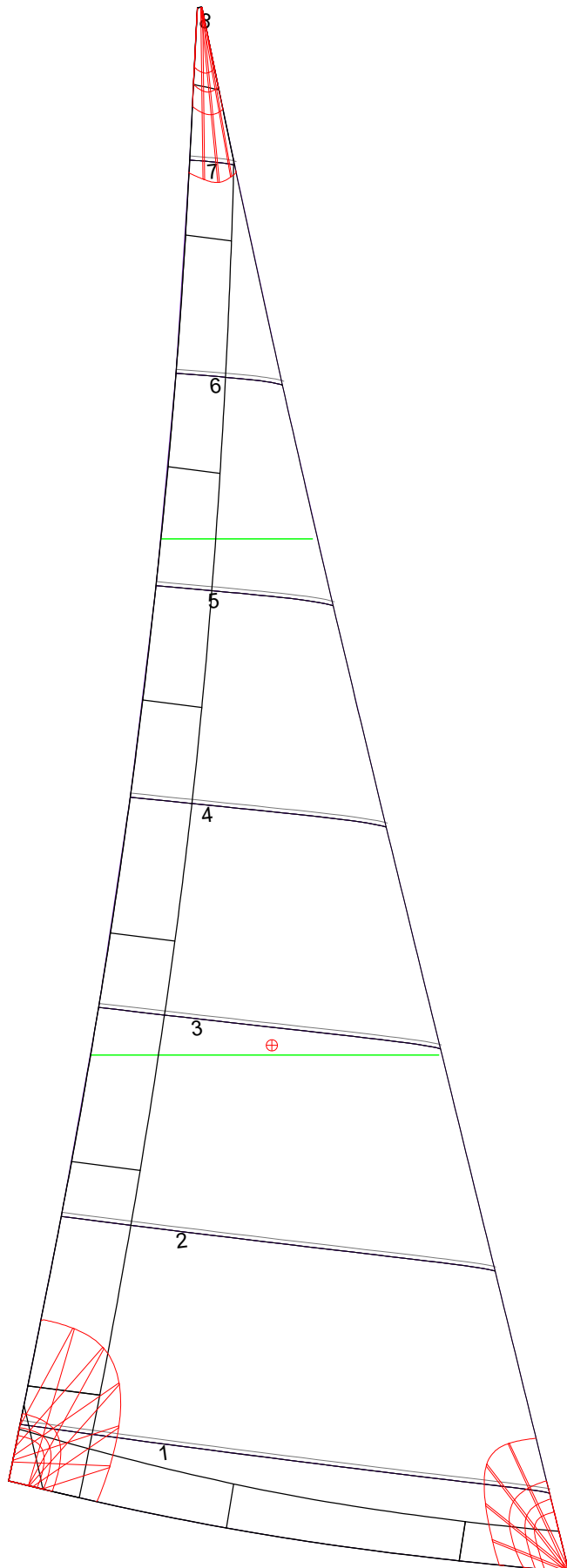
Draft Stripes

- 1, Luff: 10.756Ft ; Leech: 8.800Ft ;
- 2, Luff: 21.498Ft ; Leech: 19.309Ft ;

Luff Curve

		Fanned Luff (@ 5.00% [0.566Ft])	Before BSeam
32.474Ft,	0.000Ft	100% (32.475Ft) :	-0.000Ft 0.000Ft
29.775Ft,	0.114Ft	90% (29.228Ft) :	-0.125Ft -0.060Ft
26.791Ft,	0.207Ft	80% (25.983Ft) :	-0.214Ft -0.092Ft
24.164Ft,	0.255Ft	70% (22.734Ft) :	-0.258Ft -0.100Ft
21.109Ft,	0.273Ft	60% (19.486Ft) :	-0.263Ft -0.089Ft
16.160Ft,	0.239Ft	50% (16.238Ft) :	-0.239Ft -0.062Ft
10.554Ft,	0.163Ft	40% (12.991Ft) :	-0.198Ft -0.033Ft
5.489Ft,	0.081Ft	30% (9.743Ft) :	-0.150Ft -0.012Ft
0.000Ft,	0.000Ft	20% (6.496Ft) :	-0.099Ft 0.003Ft
		10% (3.246Ft) :	-0.049Ft 0.010Ft
		0% (0.000Ft) :	0.000Ft 0.000Ft

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Seam Allowances

	Split	Radial	Cross
Zone: 1	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	0.328Ft
Cover 2	0.000Ft	0.230Ft	0.230Ft
Cover 3	0.000Ft	0.230Ft	0.230Ft

Total Seam Lengths (Ft)

Horizontal	39.73
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (Ft ²)	Panels
Material 1	164.76	1,2,3,4,5 6,7,8