

Genoa: 5000602 Leonard headsail.des

Design Info

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Design File:

D:\dropbox\Dropbox\Fareast Sails\2021\5000602 Leonard\5000602 Leonard headsail.des

Initial Design Date: 18/6/2021
Boat:

Comments:

Client:

Design Data

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Genoa

Measurements

Luff geodesic:	38.609Ft
Leech geodesic:	36.001Ft
Foot geodesic:	17.999Ft
Headboard width:	0.082Ft
Luff perpendicular (HLP):	16.602Ft
Upper width (HUW):	1.714Ft
Three-quarter width (HTW):	3.419Ft
Half width (HHW):	7.449Ft
Quarter width (HQW):	11.873Ft
Foot median:	36.762Ft
ORC Headsail area:	301.771Ft?
IRC Headsail area:	301.120Ft?
Surface area:	303.679Ft?
Forestay height:	42.000Ft
J:	15.500Ft

Luff Curve

38.602Ft,	0.000Ft
35.394Ft,	0.131Ft
31.847Ft,	0.237Ft
28.724Ft,	0.291Ft
25.092Ft,	0.312Ft
19.210Ft,	0.274Ft
12.546Ft,	0.186Ft
6.525Ft,	0.093Ft
0.000Ft,	0.000Ft

Fanned Luff (@ 5.00% [0.897Ft])

100% (38.602Ft) :	-0.000Ft
90% (34.733Ft) :	-0.131Ft
80% (30.890Ft) :	-0.252Ft
70% (27.022Ft) :	-0.316Ft
60% (23.164Ft) :	-0.315Ft
50% (19.302Ft) :	-0.279Ft
40% (15.442Ft) :	-0.233Ft
30% (11.580Ft) :	-0.181Ft
20% (7.724Ft) :	-0.124Ft
10% (3.855Ft) :	-0.063Ft
0% (0.000Ft) :	0.000Ft

Before BSeam

0.000Ft
-0.109Ft
-0.209Ft
-0.253Ft
-0.236Ft
-0.194Ft
-0.159Ft
-0.127Ft
-0.091Ft
-0.048Ft
0.000Ft

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Seam Allowances			
Zone: 1	Split	Radial	Cross
	0.000Ft	0.000Ft	0.082Ft

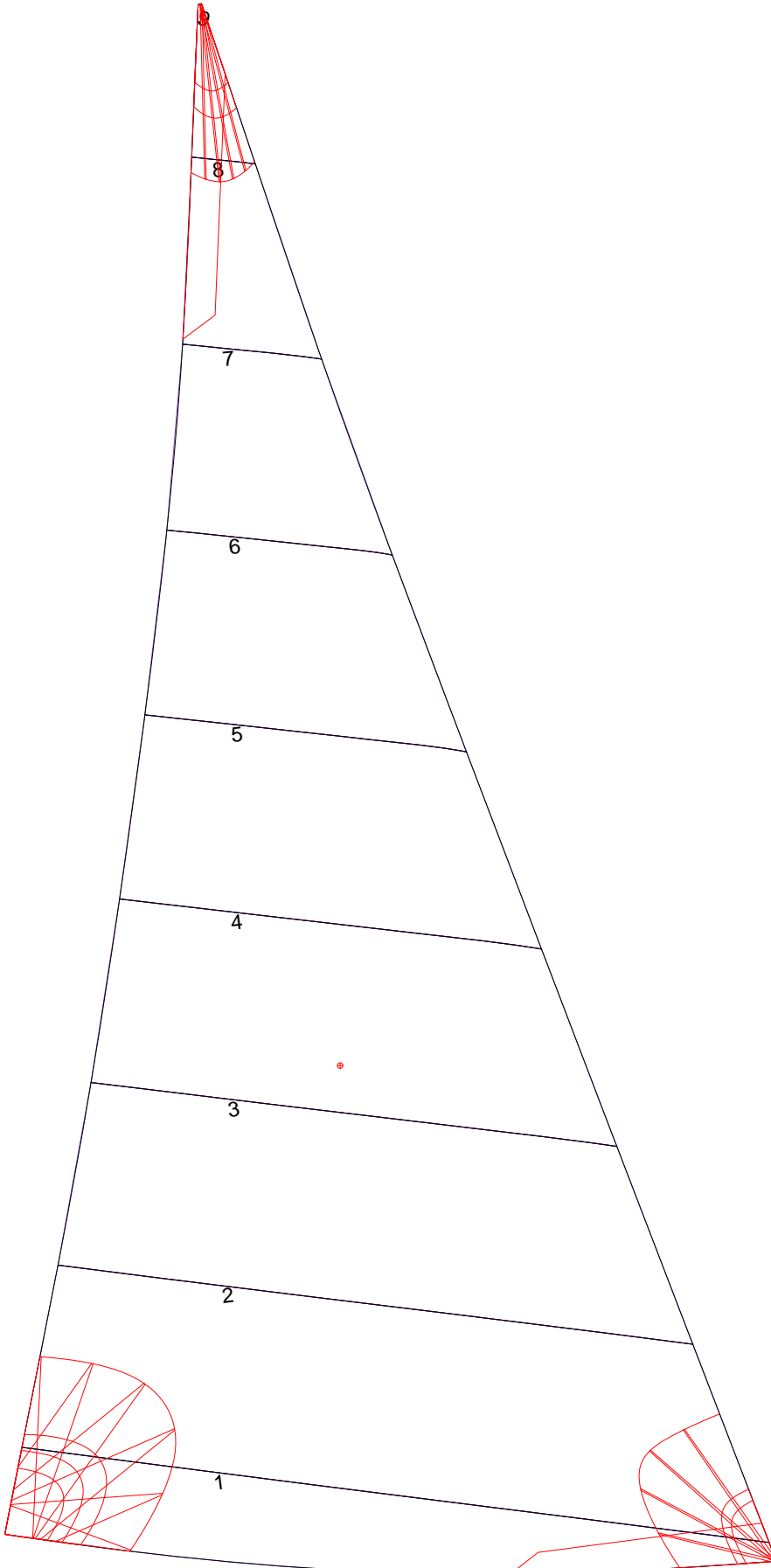
Edge Excesses			
Sail:	Luff	Leech	Foot
	0.000Ft	0.000Ft	0.000Ft

Total Seam Lengths (Ft)

Horizontal	72.68
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (Ft ²)	Panels
Material 1	305.67	1,2,3,4,5 6,7,8,9



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