Genoa: 5000125 Joel headsail.des

Design Info
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Design File:
F:\Dropbox (个人)\Fareast Sails\2021\5000125 Joel\5000125 Joel headsail.des

Comments:

Initial Design Date: 5/3/2021
Boat:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	11.278m
Leech geodesic:	10.714m
Foot geodesic:	4.637m
Headboard width:	0.035m
Luff perpendicular (HLP):	4.415m
Upper width (HUW):	0.489m
Three-quarter width (HTW):	0.966m
Half width (HHW):	2.041m
Quarter width (HQW):	3.213m
Foot median:	10.914m
ORC Headsail area:	23.887m?
IRC Headsail area:	23.813m?
Surface area:	24.095m?
Forestay height:	12.300m
J:	4.013m

Luff Curve

11.276m,	0.000m
10.339m,	0.038m
9.303m,	0.069m
8.390m,	0.085m
7.330m,	0.091m
5.611m,	0.080m
3.665m,	0.054m
1.906m,	0.027m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.230m])		Before BSeam
100% (11.276m) :	0.000m	0.000m
90% (10.147m) :	-0.040m	-0.014m
80% (9.023m) :	-0.075m	-0.024m
70% (7.894m) :	-0.091m	-0.021m
60% (6.766m) :	-0.091m	-0.008m
50% (5.638m) :	-0.083m	0.008m
40% (4.511m) :	-0.069m	0.024m
30% (3.383m) :	-0.054m	0.036m
20% (2.256m) :	-0.037m	0.036m
10% (1.126m) :	-0.020m	0.021m
0% (0.000m) :	0.000m	0.000m

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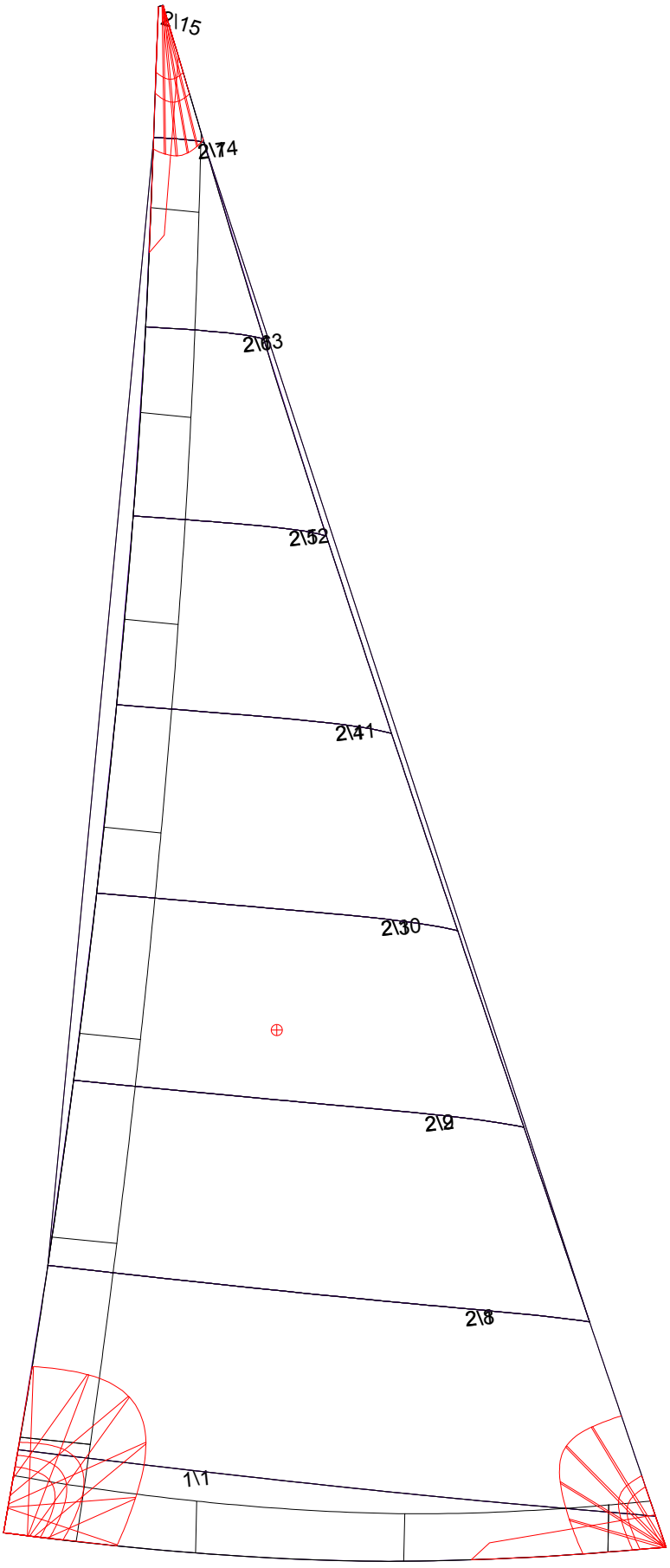

Seam Allowances

	Split	Radial	Cross
Zone: 1	0.025m	0.015m	0.025m
Zone: 2	0.025m	0.015m	0.025m
Cover 1	0.025m	0.025m	0.025m
Cover 2	0.025m	0.025m	0.025m

Edge Excesses

	Luff	Leech	Foot
Sail:	0.000m	0.000m	0.000m
Cover 0	0.050m	0.100m	0.050m
Cover 1	0.050m	0.100m	0.050m

Total Seam Lengths (m)

Horizontal	42.02
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m?	Panels
Material 1	57.30	1\1,2\1,2\2,2\3,2\4 2\5,2\6,2\7,2\8,2\9 2\10,2\11,2\12,2\13,2\14 2\15