Genoa: 4000405 Raitis headsail R0

Design Info
==========

Design File:
E:\Dropbox\Dropbox\Mike computer\Fareast Sails Production\2020\4000405 Raitis\4000405 Raitis headsail R0.des

Comments:

Initial Design Date: 11/5/2020
Boat:

Client:

Design Data
==========

Genoa

Measurements

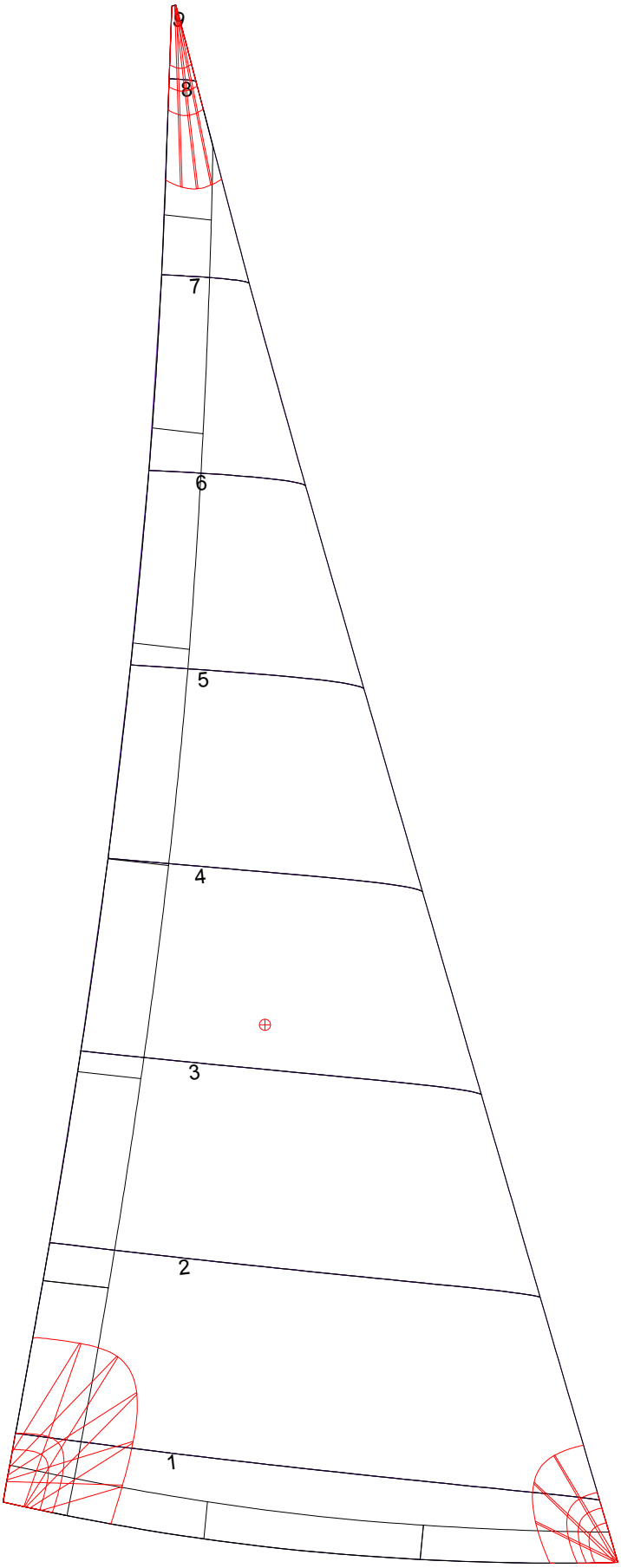
Luff geodesic:	10.820m
Leech geodesic:	10.120m
Foot geodesic:	4.180m
Headboard width:	0.030m
Luff perpendicular (HLP):	3.924m
Upper width (HUW):	0.421m
Three-quarter width (HTW):	0.839m
Half width (HHW):	1.805m
Quarter width (HQW):	2.841m
Foot median:	10.402m
ORC Headsail area:	20.256m?
IRC Headsail area:	20.209m?
Surface area:	20.413m?
Forestay height:	12.340m
J:	3.500m

Luff Curve

10.818m,	0.000m
9.919m,	0.032m
8.925m,	0.058m
8.050m,	0.072m
7.032m,	0.077m
5.384m,	0.067m
3.516m,	0.046m
1.829m,	0.023m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.205m])		Before BSeam
100% (10.818m) :	-0.000m	-0.000m
90% (9.736m) :	-0.035m	-0.010m
80% (8.656m) :	-0.065m	-0.015m
70% (7.573m) :	-0.077m	-0.005m
60% (6.492m) :	-0.076m	0.014m
50% (5.410m) :	-0.070m	0.027m
40% (4.328m) :	-0.059m	0.034m
30% (3.246m) :	-0.046m	0.033m
20% (2.164m) :	-0.032m	0.026m
10% (1.081m) :	-0.017m	0.013m
0% (0.000m) :	0.000m	0.000m

Genoa: 4000405 Raitis headsail R0



Seam Allowances

	Split	Radial	Cross
Zone: 1	0.000m	0.000m	0.025m
Cover 1	0.025m	0.025m	0.025m
Cover 2	0.025m	0.025m	0.025m

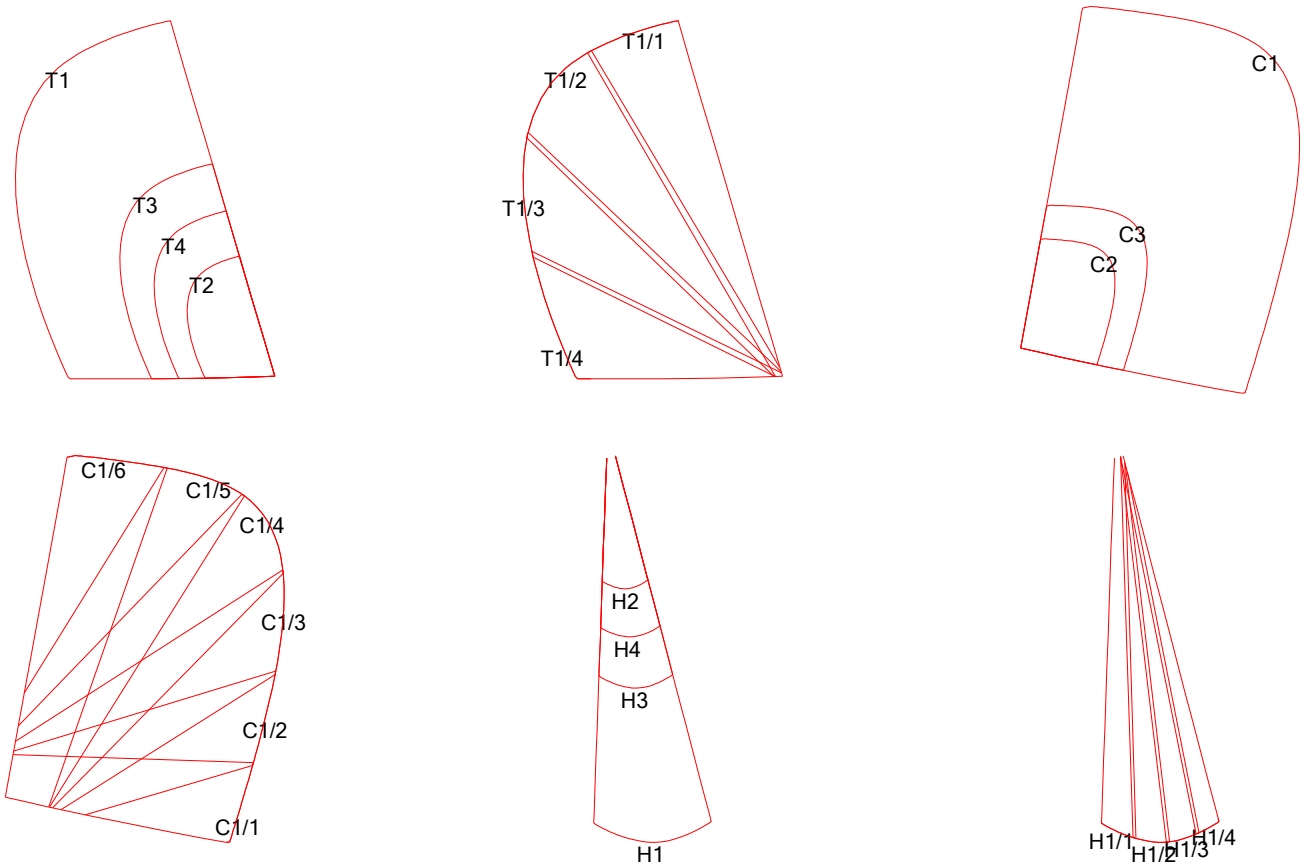
Edge Excesses

	Luff	Leech	Foot
Sail:	0.000m	0.000m	0.000m
Cover 0	0.070m	0.070m	0.070m
Cover 1	0.070m	0.070m	0.070m

Total Seam Lengths (m)

Horizontal	16.03
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m?	Panels
Material 1	20.48	1,2,3,4,5 6,7,8,9

Genoa: 4000405 Raitis headsail R0