Mainsail: 4000717 Charles-2 Storm trysail

Design Info
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Design File:
E:\Dropbox\Dropbox\Mike computer\Fareast Sails Production\2020\4000717 Charles-1-2\4000717 Charles-2 Storm try

Comments:

Initial Design Date: 6/6/2019
Boat:

Client:

Design Data
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Main

Measurements

Luff geodesic:	18.373Ft
Leech geodesic:	22.638Ft
Foot geodesic:	10.991Ft
Head geodesic:	0.164Ft
Upper width (MUW):	1.440Ft
Three-quarter width (MTW):	2.780Ft
Half width (MHW):	5.493Ft
Quarter width (MQW):	8.151Ft
Foot median:	19.866Ft
ORC Mainsail area:	100.977Ft?
Surface area:	98.369Ft?
Clew height:	-1.443Ft
Mast rake:	0.000Ft

Luff Slides

1, Position: 1.354Ft
2, Position: 3.432Ft
3, Position: 5.533Ft
4, Position: 7.634Ft
5, Position: 9.735Ft
6, Position: 11.836Ft
7, Position: 13.984Ft
8, Position: 16.225Ft
9, Position: 17.981Ft
10, Position: 18.163Ft

Luff Curve

18.372Ft,	0.000Ft
13.779Ft,	-0.079Ft
9.186Ft,	-0.105Ft
4.593Ft,	-0.079Ft
0.000Ft,	0.000Ft

Fanned Luff (@ 5.00% [0.544Ft])		Before BSeam
100% (18.372Ft) :	0.000Ft	0.000Ft
90% (16.534Ft) :	0.027Ft	0.076Ft
80% (14.699Ft) :	0.052Ft	0.149Ft
70% (12.861Ft) :	0.070Ft	0.210Ft
60% (11.024Ft) :	0.078Ft	0.249Ft
50% (9.186Ft) :	0.079Ft	0.260Ft
40% (7.349Ft) :	0.072Ft	0.243Ft
30% (5.511Ft) :	0.060Ft	0.202Ft
20% (3.675Ft) :	0.040Ft	0.141Ft
10% (1.836Ft) :	0.015Ft	0.066Ft
0% (0.000Ft) :	0.000Ft	0.000Ft

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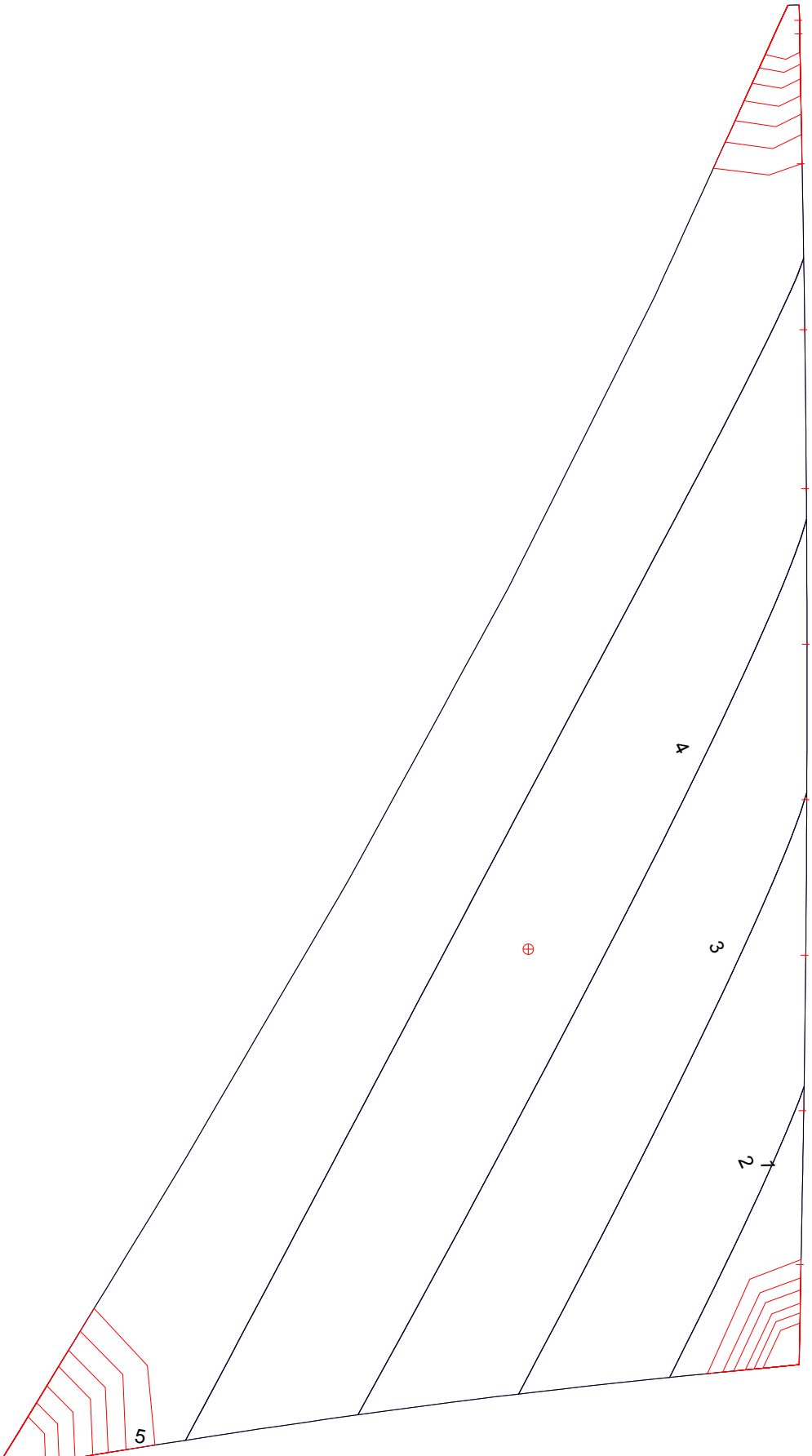


Seam Allowances

	Split	Radial	Cross
Zone: 1	0.164Ft	0.164Ft	0.164Ft

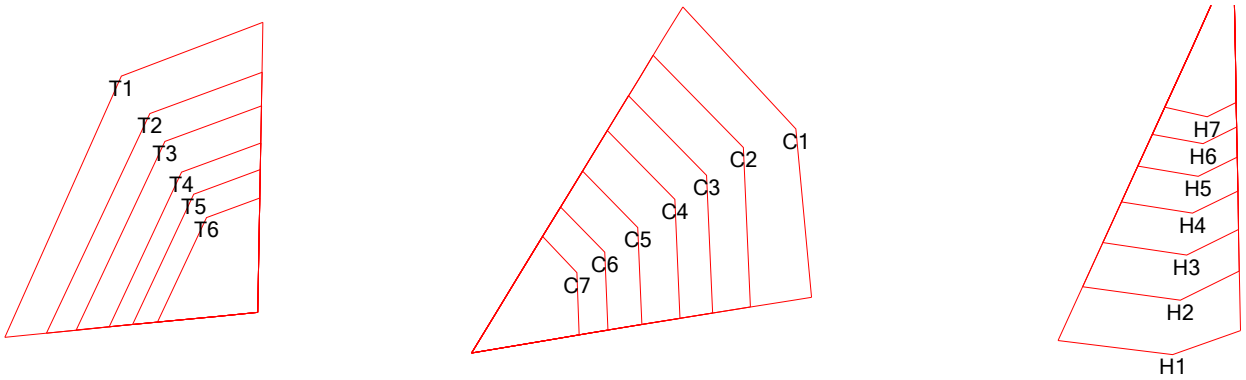
Edge Excesses

	Luff	Leech	Foot
Sail:	0.000Ft	0.000Ft	0.000Ft

Total Seam Lengths (Ft)

Horizontal	0.16
Radial/Vertical	45.36
Bi-Radial Split	0.00

Materials

Material	Area (Ft?	Panels
Material 2	99.17	1,2,3,4,5

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