

# Mainsail: 5000524 Patrick furling mainsail.des

## Design Info

=====

Initial Design Date: 2/6/2021  
Boat:

Client:

## Design File:

D:\dropbox\Dropbox\Fareast Sails\2021\5000524 Patrick\5000524 Patrick furling mainsail.des

Comments:

## Design Data

=====

### Main

#### Measurements

Luff geodesic:	16.295m
Leech geodesic:	16.863m
Foot geodesic:	6.035m
Head geodesic:	0.038m
Upper width (MUW):	0.709m
Three-quarter width (MTW):	1.413m
Half width (MHW):	2.922m
Quarter width (MQW):	4.508m
Foot median:	16.338m
ORC Mainsail area:	48.362m?
Surface area:	47.819m?
Clew height:	0.100m
Mast rake:	0.000m

#### Luff Curve

16.294m,	0.000m
14.649m,	-0.034m
13.036m,	-0.059m
11.390m,	-0.075m
9.776m,	-0.083m
7.364m,	-0.080m
4.888m,	-0.062m
2.588m,	-0.037m
0.000m,	0.000m

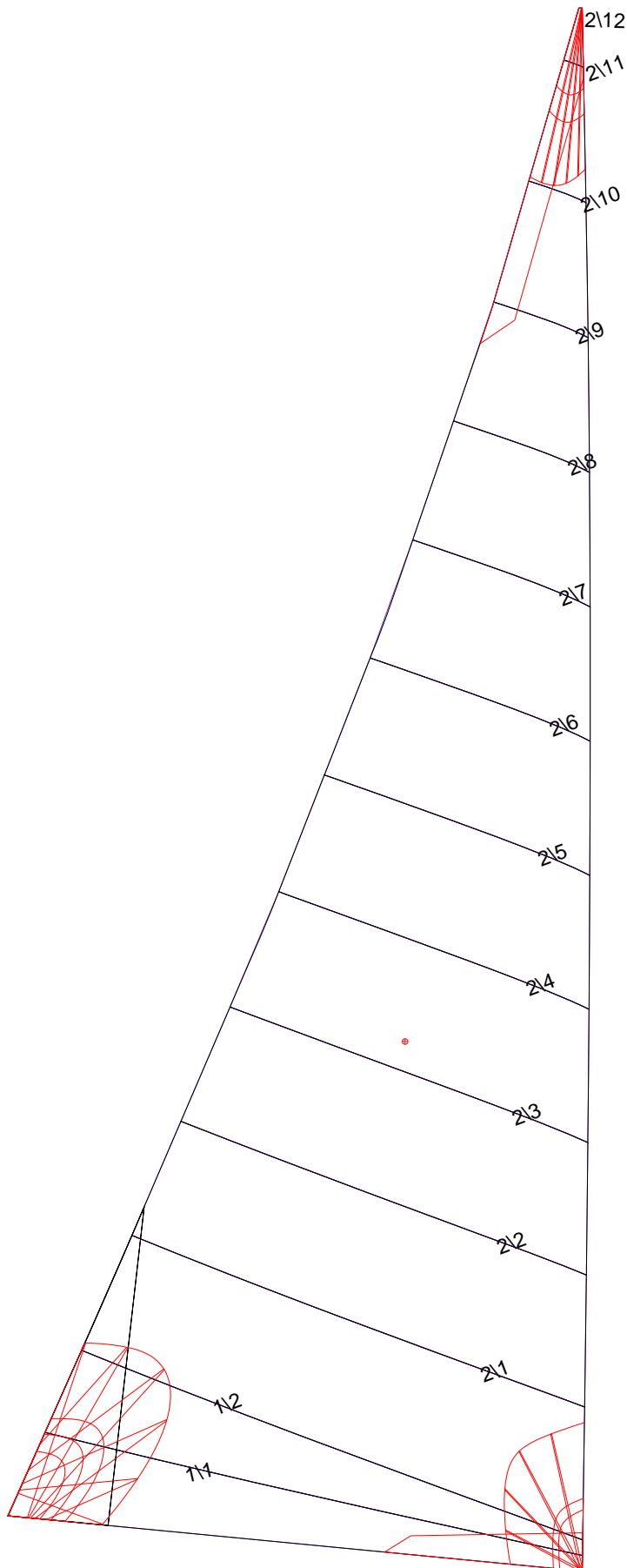
#### Fanned Luff (@ 5.00% [0.299m])

100% (16.295m) :	-0.000m
90% (14.666m) :	0.025m
80% (13.036m) :	0.046m
70% (11.407m) :	0.058m
60% (9.777m) :	0.062m
50% (8.148m) :	0.061m
40% (6.518m) :	0.054m
30% (4.889m) :	0.043m
20% (3.259m) :	0.029m
10% (1.630m) :	0.013m
0% (0.000m) :	0.000m

#### Before BSeam

0.000m
0.057m
0.110m
0.149m
0.172m
0.181m
0.176m
0.156m
0.114m
0.051m
0.000m

# Mainsail: 5000524 Patrick furling mainsail.des



## Seam Allowances

	Split	Radial	Cross
Zone: 1	0.000m	0.000m	0.038m
Zone: 2	0.000m	0.000m	0.038m
Cover 1	0.000m	0.000m	0.000m
Cover 2	0.000m	0.000m	0.000m

## Edge Excesses

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

## Total Seam Lengths (m)

Horizontal	40.41
Radial/Vertical	0.00
Bi-Radial Split	0.00

## Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	47.95	1\1,1\2,2\1,2\2,2\3 2\4,2\5,2\6,2\7,2\8 2\9,2\10,2\11,2\12

# Mainsail: 5000524 Patrick furling mainsail.des

