

# Mainsail: 8001021 Jean Pierre Contest43 RFMN.des

## Design Info

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Initial Design Date: 26/10/2024  
Boat:  
Contest43  
Client:

## Design File:

\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8001021 Jean Pierre

Comments:

## Design Data

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### Main

#### Measurements

Luff geodesic:	14.652m
Leech geodesic:	14.952m
Foot geodesic:	4.110m
Head geodesic:	0.025m
Upper width (MUW):	0.454m
Three-quarter width (MTW):	0.892m
Half width (MHW):	1.902m
Quarter width (MQW):	2.975m
Foot median:	14.666m
ORC Mainsail area:	28.694m?
Surface area:	28.540m?
Clew height:	0.287m
Mast rake:	0.000m

#### Luff Curve

14.652m,	0.000m
12.826m,	-0.014m
10.989m,	-0.024m
9.147m,	-0.029m
7.326m,	-0.030m
5.459m,	-0.028m
3.663m,	-0.022m
1.826m,	-0.013m
0.000m,	0.000m

#### Fanned Luff (@ 5.00% [0.205m])

100% (14.652m) :	-0.000m
90% (13.187m) :	0.010m
80% (11.721m) :	0.018m
70% (10.256m) :	0.023m
60% (8.791m) :	0.025m
50% (7.326m) :	0.024m
40% (5.861m) :	0.022m
30% (4.396m) :	0.018m
20% (2.930m) :	0.013m
10% (1.465m) :	0.006m
0% (0.000m) :	0.000m

#### Before BSeam

0.000m
0.023m
0.044m
0.060m
0.072m
0.077m
0.076m
0.066m
0.048m
0.025m
0.000m

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## Seam Allowances

	Split	Radial	Cross
Zone: 1	0.038m	0.038m	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	0.070m	0.070m
Cover 1	0.000m	0.070m	0.070m

## Total Seam Lengths (m)

Horizontal	25.76
Radial/Vertical	0.00
Bi-Radial Split	0.00

## Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	28.57	1,2,3,4,5 6,7,8,9,10 11,12,13

