

# Mainsail: 6000813 Justin -v1-1207.des

Design Info  
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Design File:  
F:\Dropbox\Dropbox\Fareast Sails\2022 Order\Need confirm order\6000813 Justin\6000813 Justin -v1-1207.des

Initial Design Date: 11/11/2022  
Boat:

Comments:

Client:

Design Data  
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## Main

### Measurements

Luff geodesic:	7.745m
Leech geodesic:	8.171m
Foot geodesic:	2.892m
Head geodesic:	0.115m
Upper width (MUW):	0.594m
Three-quarter width (MTW):	1.077m
Half width (MHW):	1.850m
Quarter width (MQW):	2.431m
Foot median:	7.942m
ORC Mainsail area:	13.282m?
Surface area:	13.744m?
Clew height:	0.100m
Mast rake:	0.000m

### Battens

Position	Length	Roach	Angle	Luff	Leech	Full
80.000%	0.959m	0.223m	71.630?	6.192m	6.522m	Full
60.000%	1.628m	0.300m	71.630?	4.643m	4.892m	Full
40.000%	2.138m	0.256m	71.630?	3.095m	3.261m	Full
20.000%	2.546m	0.146m	71.630?	1.547m	1.631m	Full

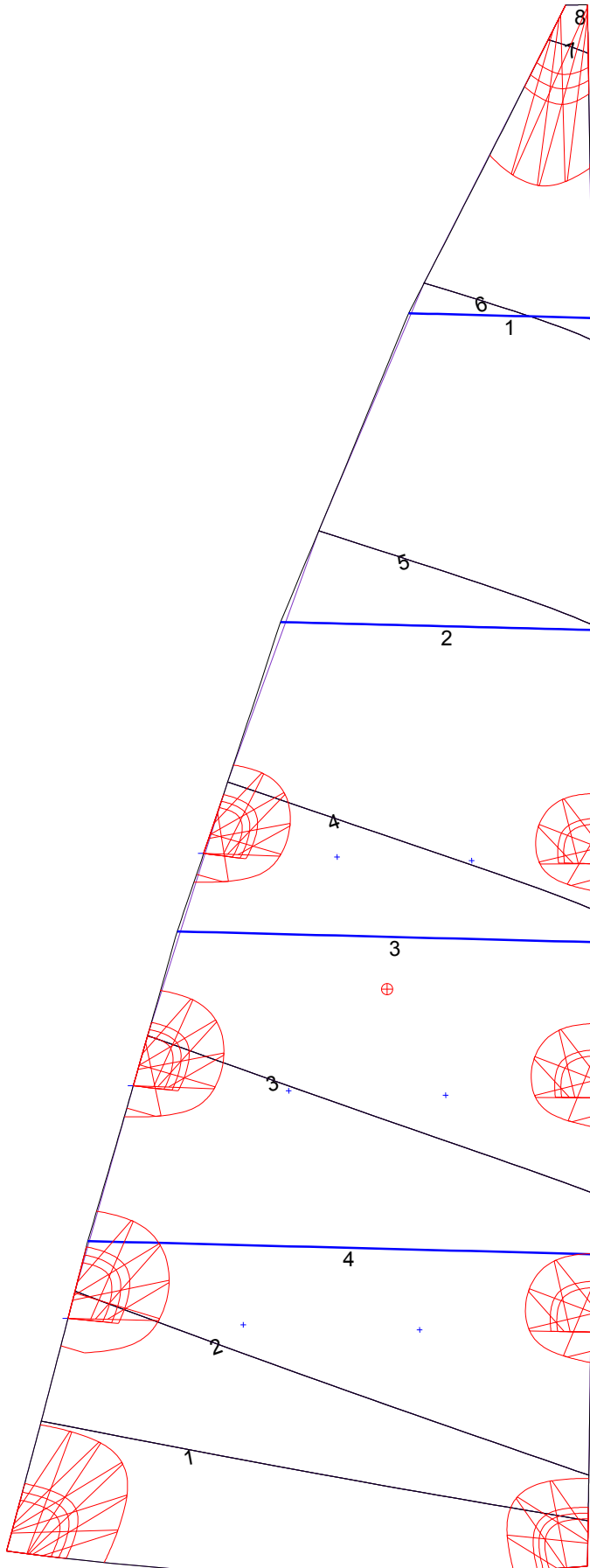
### Reefing Points

- 1, Luff: 1.161m ; Leech: 1.196m ; Offset: 0.000m ; Number Eyelets: 2
- 2, Luff: 2.323m ; Leech: 2.395m ; Offset: 0.000m ; Number Eyelets: 2
- 3, Luff: 3.484m ; Leech: 3.600m ; Offset: 0.000m ; Number Eyelets: 2

### Luff Curve

		Fanned Luff (@ 5.00% [0.144m])	Before BSeam
7.745m,	0.000m	100% (7.745m) :	0.000m
6.780m,	-0.016m	90% (6.971m) :	0.028m
5.809m,	-0.028m	80% (6.196m) :	0.054m
4.835m,	-0.034m	70% (5.422m) :	0.072m
3.872m,	-0.035m	60% (4.647m) :	0.081m
2.886m,	-0.032m	50% (3.873m) :	0.082m
1.936m,	-0.026m	40% (3.098m) :	0.077m
0.965m,	-0.015m	30% (2.323m) :	0.064m
0.000m,	0.000m	20% (1.549m) :	0.046m
		10% (0.775m) :	0.023m
		0% (0.000m) :	0.000m

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Seam Allowances			
Zone: 1	Split	Radial	Cross
	0.000m	0.000m	0.015m

Edge Excesses			
Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	12.55
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	13.71	1,2,3,4,5 6,7,8