Mainsail: 6001102 Sean-Mizzen-2.des

Design Info
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Design File:
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Comments:

Initial Design Date: 5/11/2022
Boat:

Client:

Design Data
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Main

Measurements

Luff geodesic:	8.346m
Leech geodesic:	8.871m
Foot geodesic:	3.269m
Head geodesic:	0.115m
Upper width (MUW):	0.613m
Three-quarter width (MTW):	1.120m
Half width (MHW):	1.990m
Quarter width (MQW):	2.680m
Foot median:	8.586m
ORC Mainsail area:	15.606m?
Surface area:	16.079m?
Clew height:	0.086m
Mast rake:	0.000m

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
80.000%	0.976m	0.169m	70.666?	6.673m	7.069m	Full
60.000%	1.716m	0.228m	70.666?	5.004m	5.302m	Full
40.000%	1.000m	0.194m	70.666?	3.336m	3.535m	
20.000%	1.000m	0.111m	70.666?	1.668m	1.767m	

Reefing Points

1, Luff: 1.140m ; Leech: 1.193m ; Offset: 0.000m ; Number Eyelets: 2
2, Luff: 2.300m ; Leech: 2.407m ; Offset: 0.000m ; Number Eyelets: 2

Luff Slides

1, Position: 0.834m
2, Position: 1.668m
3, Position: 2.502m
4, Position: 3.336m
5, Position: 4.170m
6, Position: 5.839m
7, Position: 7.509m

Luff Curve

		Fanned Luff (@ 5.00% [0.163m])		Before BSeam
8.346m,	0.000m	100% (8.346m) :	0.000m	0.000m
7.306m,	-0.014m	90% (7.511m) :	0.007m	0.029m
6.259m,	-0.024m	80% (6.677m) :	0.014m	0.058m
5.210m,	-0.029m	70% (5.842m) :	0.018m	0.080m
4.173m,	-0.030m	60% (5.008m) :	0.019m	0.093m
3.110m,	-0.028m	50% (4.173m) :	0.019m	0.094m
2.086m,	-0.022m	40% (3.338m) :	0.017m	0.086m
1.040m,	-0.013m	30% (2.504m) :	0.014m	0.070m
0.000m,	0.000m	20% (1.669m) :	0.010m	0.047m
		10% (0.835m) :	0.005m	0.022m
		0% (0.000m) :	0.000m	0.000m

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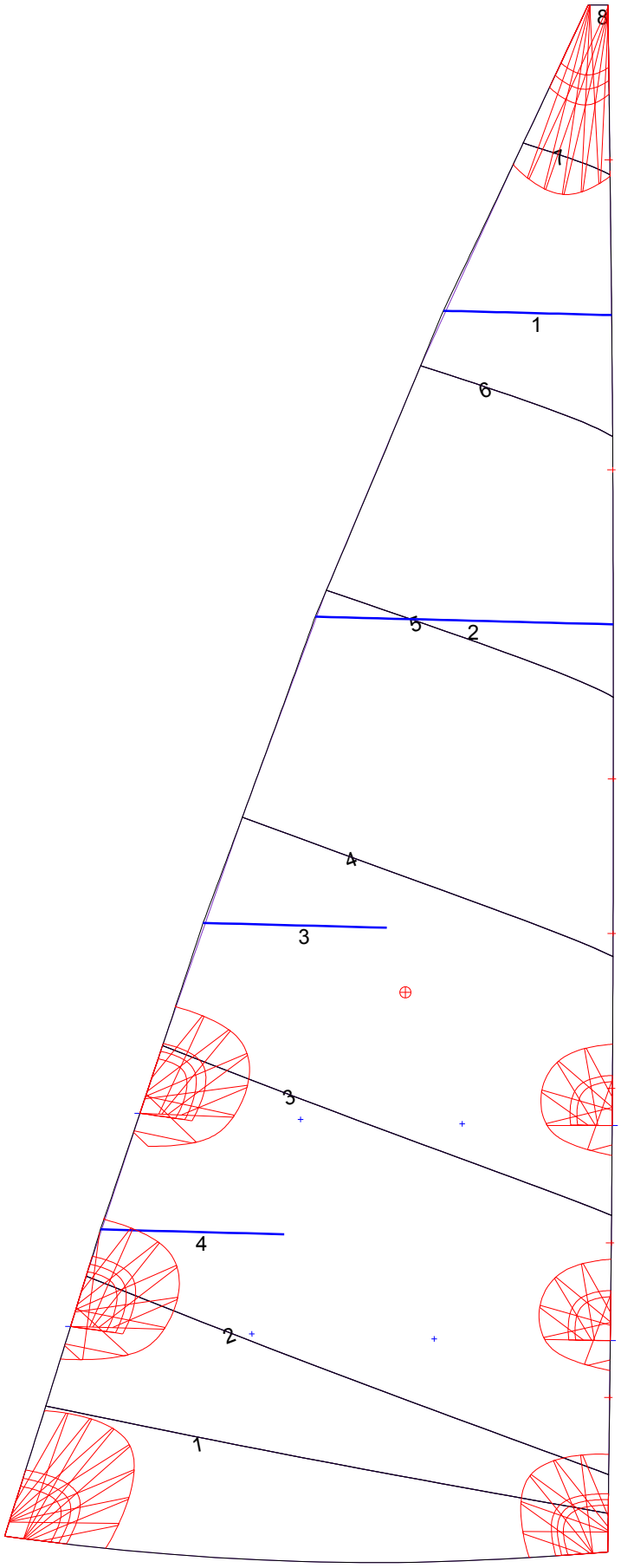

Seam Allowances

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

Edge Excesses

	Luff	Leech	Foot
Sail:	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	14.51
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m?	Panels
Material 1	16.08	1,2,3,4,5 6,7,8