Mainsail: 7001214 Anthony ALBIN BALLAD 30 fullbatt Mainsail.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confrimed\7001214 Anthony\

Comments:

Initial Design Date: 11/1/2024
Boat:

Client:

Design Data
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Main

Measurements

Luff geodesic:	9.650m
Leech geodesic:	9.998m
Foot geodesic:	2.810m
Head geodesic:	0.115m
Upper width (MUW):	0.586m
Three-quarter width (MTW):	1.049m
Half width (MHW):	1.797m
Quarter width (MQW):	2.365m
Foot median:	9.753m
ORC Mainsail area:	16.105m?
Surface area:	16.353m?
Clew height:	0.100m
Mast rake:	0.000m

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
80.000%	0.914m	0.193m	75.828?	7.715m	7.982m	Full
60.000%	1.556m	0.251m	75.828?	5.786m	5.986m	Full
40.000%	2.068m	0.221m	75.828?	3.857m	3.991m	Full
20.000%	2.471m	0.128m	75.828?	1.928m	1.995m	Full

Reefing Points

1, Luff: 1.177m ; Leech: 1.201m ; Offset: 0.000m ; Number Eyelets: 2
2, Luff: 2.556m ; Leech: 2.608m ; Offset: 0.000m ; Number Eyelets: 2

Draft Stripes

1, Luff: 3.184m ; Leech: 3.192m ;
2, Luff: 6.368m ; Leech: 6.486m ;

Luff Slides

1, Position: 0.964m
2, Position: 2.893m
3, Position: 4.821m
4, Position: 6.750m
5, Position: 8.683m

Luff Curve

9.650m,	0.000m
8.447m,	-0.022m
7.237m,	-0.038m
6.024m,	-0.045m
4.825m,	-0.046m
3.596m,	-0.042m
2.412m,	-0.034m
1.202m,	-0.019m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.140m])		Before BSeam
100% (9.650m) :	0.000m	0.000m
90% (8.685m) :	0.012m	0.032m
80% (7.720m) :	0.024m	0.065m
70% (6.755m) :	0.030m	0.087m
60% (5.790m) :	0.033m	0.099m
50% (4.825m) :	0.032m	0.101m
40% (3.860m) :	0.030m	0.095m
30% (2.895m) :	0.025m	0.079m
20% (1.930m) :	0.018m	0.056m
10% (0.965m) :	0.009m	0.028m
0% (0.000m) :	0.000m	0.000m

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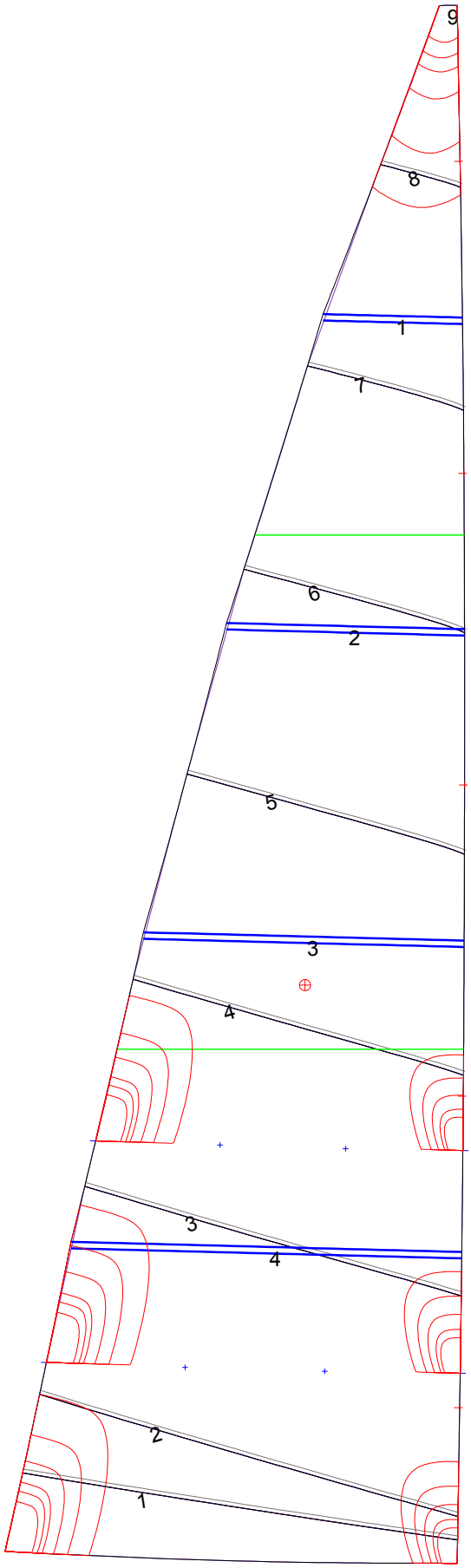

Seam Allowances

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

Edge Excesses

	Luff	Leech	Foot
Sail:	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	15.10
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m?	Panels
Material 1	16.33	1,2,3,4,5 6,7,8,9