

Mainsail: 7000919 Anthony-1 MainsailV1.des

Design Info
=====

Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need to be Confirmed\7000919 Anthony\7

Initial Design Date: 4/10/2023
Boat:

Comments:

Client:

Design Data
=====

Main

Measurements

Luff geodesic:	5.990m
Leech geodesic:	6.200m
Foot geodesic:	1.840m
Head geodesic:	0.105m
Upper width (MUW):	0.404m
Three-quarter width (MTW):	0.703m
Half width (MHW):	1.181m
Quarter width (MQW):	1.552m
Foot median:	6.100m
ORC Mainsail area:	6.601m?
Surface area:	6.768m?
Clew height:	0.100m
Mast rake:	0.000m

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
80.000%	0.622m	0.126m	75.235?	4.788m	4.950m	Full
60.000%	0.552m	0.164m	75.235?	3.591m	3.713m	
40.000%	0.552m	0.145m	75.235?	2.393m	2.475m	
20.000%	0.460m	0.084m	75.235?	1.197m	1.238m	

Reefing Points

1, Luff: 0.749m ; Leech: 0.765m ; Offset: 0.000m ; Number Eyelets: 2

Draft Stripes

1, Luff: 2.994m ; Leech: 3.035m ;

Luff Slides

1, Position: 0.660m
2, Position: 1.327m
3, Position: 2.008m
4, Position: 2.711m
5, Position: 3.400m
6, Position: 4.088m
7, Position: 4.783m
8, Position: 5.330m

Luff Curve

		Fanned Luff (@ 5.00% [0.092m])	Before BSeam
5.990m,	0.000m	100% (5.990m) :	0.000m
5.243m,	-0.014m	90% (5.391m) :	0.021m
4.492m,	-0.024m	80% (4.792m) :	0.040m
3.739m,	-0.028m	70% (4.193m) :	0.052m
2.995m,	-0.028m	60% (3.594m) :	0.058m
2.232m,	-0.026m	50% (2.995m) :	0.059m
1.497m,	-0.021m	40% (2.396m) :	0.056m
0.746m,	-0.012m	30% (1.797m) :	0.048m
0.000m,	0.000m	20% (1.198m) :	0.035m
		10% (0.599m) :	0.018m
		0% (0.000m) :	0.000m

Mainsail: 7000919 Anthony-1 MainsailV1.des

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

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

Total Seam Lengths (m)

Horizontal	5.52
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	6.73	1,2,3,4,5 6

