

Mainsail: 7000627 Anthony Mainsail.des

Design Info
=====

Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need Confrim Order\7000627 Anthony\7000627 Anthony

Initial Design Date: 12/7/2023
Boat:

Comments:

Client:

Design Data
=====

Main

Measurements

Luff geodesic:	7.722m
Leech geodesic:	8.219m
Foot geodesic:	3.069m
Head geodesic:	0.115m
Upper width (MUW):	0.578m
Three-quarter width (MTW):	1.039m
Half width (MHW):	1.841m
Quarter width (MQW):	2.498m
Foot median:	7.885m
ORC Mainsail area:	13.456m?
Surface area:	13.688m?
Clew height:	0.100m
Mast rake:	0.000m

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
82.600%	0.600m	0.129m	68.934?	6.390m	6.763m	
62.000%	0.800m	0.168m	68.934?	4.817m	5.076m	
42.000%	0.800m	0.148m	68.934?	3.289m	3.439m	
21.500%	0.800m	0.085m	68.934?	1.722m	1.760m	

Reefing Points

1, Luff: 1.004m ; Leech: 1.059m ; Offset: 0.000m ; Number Eyelets: 2

Draft Stripes

1, Luff: 2.548m ; Leech: 2.620m ;
2, Luff: 5.096m ; Leech: 5.336m ;

Luff Slides

- 1, Position: 0.574m
- 2, Position: 1.184m
- 3, Position: 1.793m
- 4, Position: 2.403m
- 5, Position: 3.012m
- 6, Position: 3.621m
- 7, Position: 4.231m
- 8, Position: 4.840m
- 9, Position: 5.450m
- 10, Position: 6.059m
- 11, Position: 6.669m
- 12, Position: 7.278m

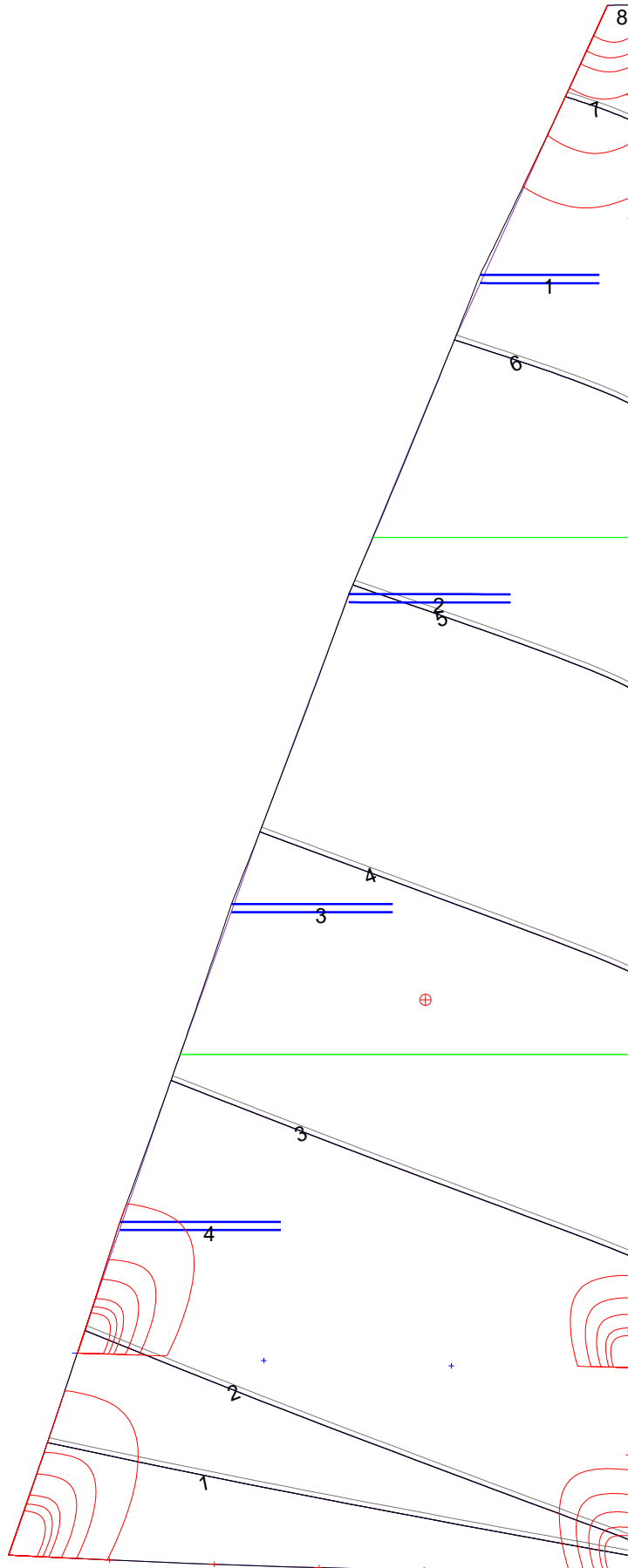
Foot Slides

- 1, Position: 0.500m
- 2, Position: 1.017m
- 3, Position: 1.534m
- 4, Position: 2.052m
- 5, Position: 2.569m

Luff Curve

		Fanned Luff (@ 5.00% [0.153m])	Before BSeam
7.722m,	0.000m	100% (7.722m) :	0.000m
6.759m,	-0.018m	90% (6.950m) :	0.010m
5.791m,	-0.031m	80% (6.178m) :	0.018m
4.821m,	-0.036m	70% (5.405m) :	0.024m
3.861m,	-0.037m	60% (4.633m) :	0.025m
2.877m,	-0.034m	50% (3.861m) :	0.025m
1.930m,	-0.027m	40% (3.089m) :	0.023m
0.962m,	-0.015m	30% (2.317m) :	0.019m
0.000m,	0.000m	20% (1.544m) :	0.014m
		10% (0.772m) :	0.007m
		0% (0.000m) :	0.000m

Mainsail: 7000627 Anthony Mainsail.des



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

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

Total Seam Lengths (m)

Horizontal	13.38
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	13.68	1,2,3,4,5 6,7,8