

Mainsail: 7000714 Yorgos-1 MainsailV2.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need to be Confirmed\7000714 Yorgos\70

Initial Design Date: 23/9/2023
Boat:

Comments:

Client:

Design Data
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Main

Measurements

Luff geodesic: 58.245Ft
Leech geodesic: 60.299Ft
Foot geodesic: 20.371Ft
Head geodesic: 0.509Ft
Upper width (MUW): 3.730Ft
Three-quarter width (MTW): 6.889Ft
Half width (MHW): 12.384Ft
Quarter width (MQW): 16.872Ft
Foot median: 59.151Ft
ORC Mainsail area: 678.526Ft?
Surface area: 694.760Ft?
Clew height: 1.484Ft
Mast rake: 0.000Ft

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
83.333%	5.035Ft	0.942Ft	73.930?	48.568Ft	50.078Ft	Full
66.667%	9.145Ft	1.518Ft	73.930?	38.926Ft	40.063Ft	Full
50.000%	12.575Ft	1.527Ft	73.930?	29.287Ft	30.047Ft	Full
33.333%	15.658Ft	1.295Ft	73.930?	19.649Ft	20.031Ft	Full
16.667%	18.189Ft	0.725Ft	73.930?	10.014Ft	10.016Ft	Full

Reefing Points

- 1, Luff: 7.276Ft ; Leech: 7.440Ft ; Offset: 0.000Ft ; Number Eyelets: 4
- 2, Luff: 16.008Ft ; Leech: 16.368Ft ; Offset: 0.000Ft ; Number Eyelets: 4
- 3, Luff: 25.325Ft ; Leech: 25.924Ft ; Offset: 0.000Ft ; Number Eyelets: 3

Draft Stripes

- 1, Luff: 14.552Ft ; Leech: 13.627Ft ;
- 2, Luff: 30.275Ft ; Leech: 30.110Ft ;
- 3, Luff: 43.673Ft ; Leech: 44.366Ft ;

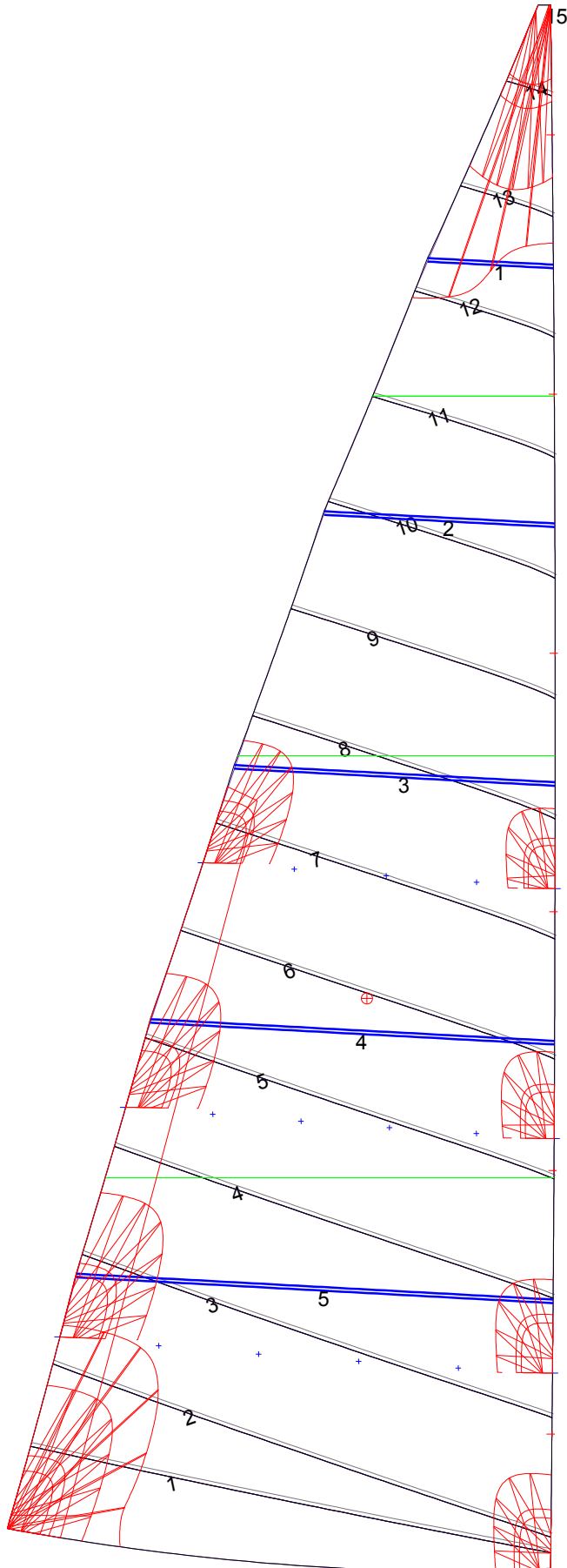
Luff Slides

- 1, Position: 5.001Ft
- 2, Position: 14.820Ft
- 3, Position: 24.456Ft
- 4, Position: 34.094Ft
- 5, Position: 43.737Ft
- 6, Position: 53.402Ft

Luff Curve

		Fanned Luff (@ 5.00% [1.013Ft])	Before BSeam
58.244Ft,	0.000Ft	100% (58.245Ft) :	0.000Ft
50.986Ft,	-0.081Ft	90% (52.422Ft) :	0.175Ft
43.683Ft,	-0.139Ft	80% (46.595Ft) :	0.333Ft
36.362Ft,	-0.164Ft	70% (40.772Ft) :	0.444Ft
29.121Ft,	-0.167Ft	60% (34.947Ft) :	0.508Ft
21.702Ft,	-0.154Ft	50% (29.122Ft) :	0.530Ft
14.561Ft,	-0.123Ft	40% (23.298Ft) :	0.519Ft
7.258Ft,	-0.070Ft	30% (17.474Ft) :	0.459Ft
0.000Ft,	0.000Ft	20% (11.648Ft) :	0.343Ft
		10% (5.826Ft) :	0.169Ft
		0% (0.000Ft) :	0.000Ft

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Seam Allowances			
Zone: 1	Split	Radial	Cross
	0.148Ft	0.148Ft	0.148Ft

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

Total Seam Lengths (Ft)

Horizontal	174.05
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (Ft ²)	Panels
Material 1	695.14	1,2,3,4,5 6,7,8,9,10 11,12,13,14,15