

# Genoa: 7000723 Matthew-2 Headsail.des

Design Info  
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Design File:  
 \\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need Confrim Order\7000723 Matthew7000

Initial Design Date: 3/8/2023  
 Boat:

Comments:

Client:

Design Data  
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## Genoa

### Measurements

Luff geodesic:	337.60In
Leech geodesic:	312.01In
Foot geodesic:	134.69In
Headboard width:	1.18In
Luff perpendicular (HLP):	125.29In
Upper width (HUW):	14.24In
Three-quarter width (HTW):	27.94In
Half width (HHW):	57.85In
Quarter width (HQW):	90.71In
Foot median:	321.82In
ORC Headsail area:	141.088Ft?
IRC Headsail area:	140.748Ft?
Surface area:	142.281Ft?
Forestay height:	359.84In
J:	131.89In

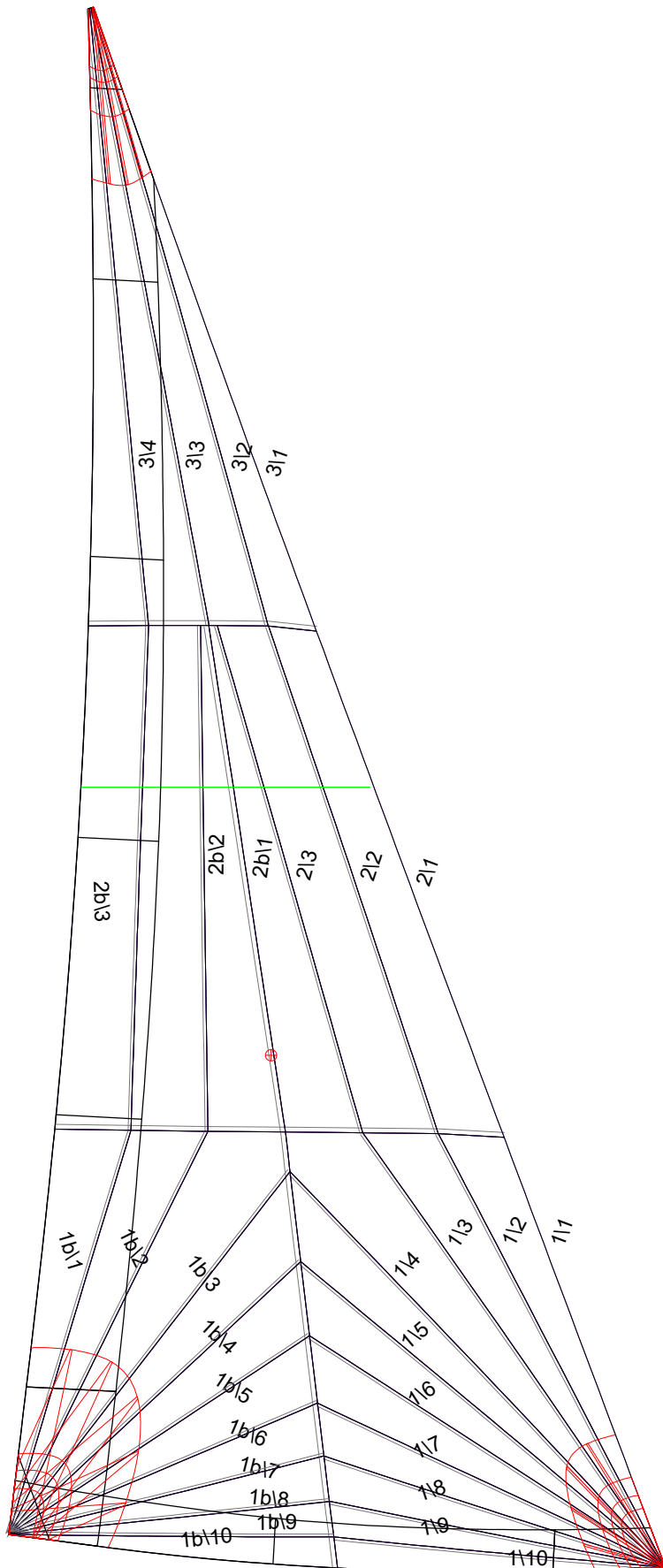
### Draft Stripes

1, Luff: 169.45In ; Leech: 152.84In ;

### Luff Curve

		Fanned Luff (@ 5.00% [6.67In])	Before BSeam	
337.56In,	0.00In	100% (337.57In) :	-0.00In	0.00In
309.51In,	0.85In	90% (303.79In) :	-0.87In	-0.00In
278.49In,	1.54In	80% (270.08In) :	-1.53In	0.10In
251.18In,	1.89In	70% (236.30In) :	-1.88In	0.34In
219.42In,	2.02In	60% (202.55In) :	-1.95In	0.63In
167.98In,	1.78In	50% (168.79In) :	-1.83In	0.90In
109.71In,	1.21In	40% (135.03In) :	-1.57In	1.06In
57.06In,	0.60In	30% (101.27In) :	-1.23In	1.08In
0.00In,	0.00In	20% (67.53In) :	-0.85In	0.94In
		10% (33.73In) :	-0.45In	0.62In
		0% (0.00In) :	0.00In	0.00In

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## Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.984In	0.591In	0.984In
Zone: 1/b	0.984In	0.591In	0.984In
Zone: 2/a	0.984In	0.591In	0.984In
Zone: 2/b	0.984In	0.591In	0.984In
Zone: 3	0.984In	0.591In	0.984In
Cover 1	0.984In	0.984In	0.984In
Cover 2	0.984In	0.984In	0.984In
Cover 3	0.000In	0.000In	0.000In
Cover 4	0.000In	0.000In	0.000In

## Edge Excesses

	Luff	Leech	Foot
Sail:	0.000In	0.000In	0.000In
Cover 0	2.756In	3.937In	2.756In
Cover 1	2.756In	2.756In	3.937In
Cover 2	0.000In	2.756In	2.756In
Cover 3	0.000In	2.756In	2.756In

## Total Seam Lengths (In)

Horizontal	143.52
Radial/Vertical	2309.01
Bi-Radial Split	200.80

## Materials

Material	Area (Ft <sup>2</sup> )	Panels
Material 1	142.15	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1\9,1\10 1b\1,1b\2,1b\3,1b\4,1b\5 1b\6,1b\7,1b\8,1b\9,1b\10 2\1,2\2,2\3,2b\1,2b\2 2b\3,3\1,3\2,3\3,3\4