

# Genoa: 8001101 Michael Headsail.des

Design Info  
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Design File:  
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8001101 Michael I

Initial Design Date: 12/11/2024  
Boat:

Comments:

Client:

Design Data  
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## Genoa

### Measurements

Luff geodesic:	51.480Ft
Leech geodesic:	45.982Ft
Foot geodesic:	29.265Ft
Headboard width:	0.164Ft
Luff perpendicular (HLP):	26.325Ft
Upper width (HUW):	2.926Ft
Three-quarter width (HTW):	5.891Ft
Half width (HHW):	12.396Ft
Quarter width (HQW):	19.292Ft
Foot median:	47.343Ft
ORC Headsail area:	655.956Ft?
IRC Headsail area:	653.800Ft?
Surface area:	662.578Ft?
Forestay height:	53.000Ft
J:	19.500Ft

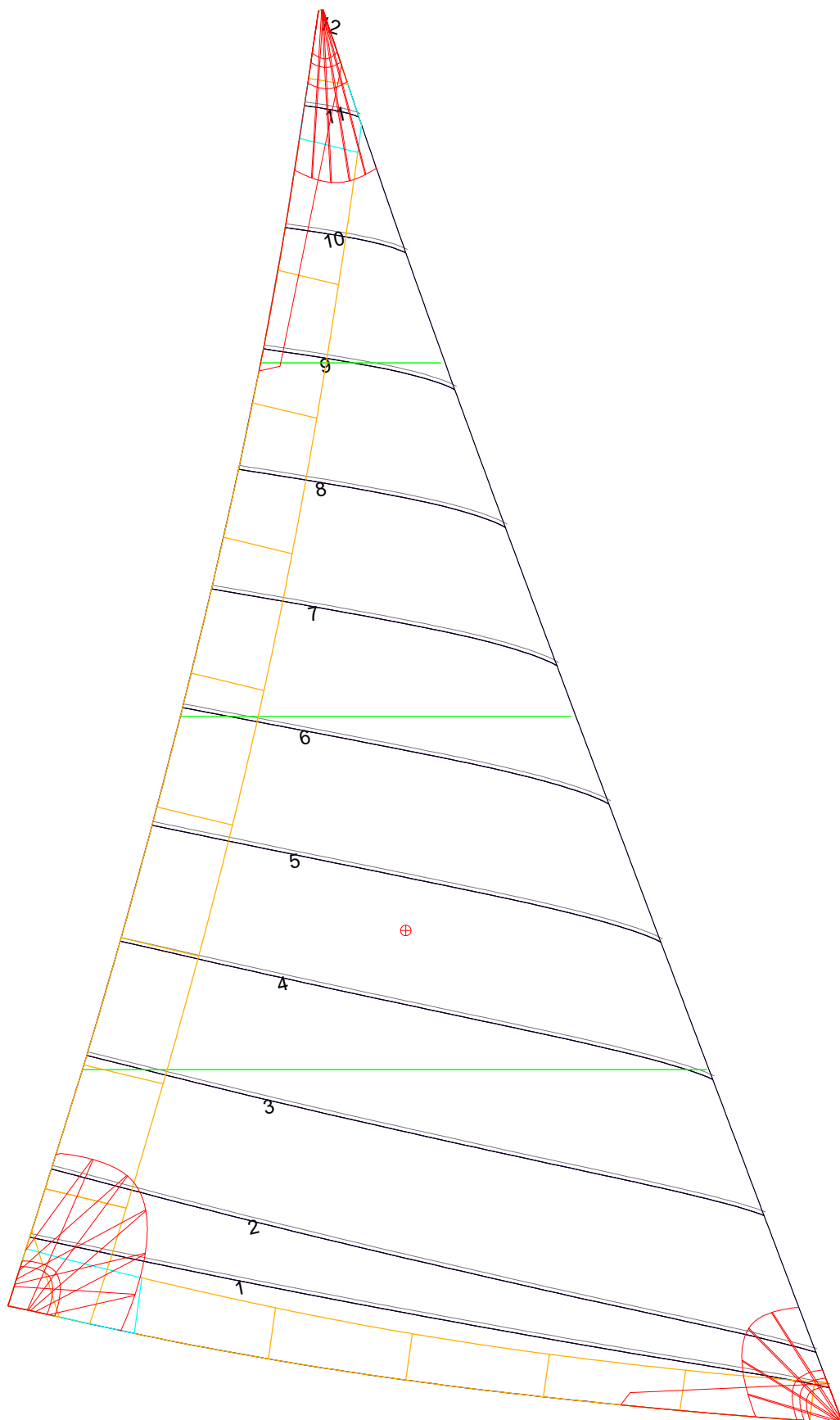
### Draft Stripes

- 1, Luff: 12.938Ft ; Leech: 8.585Ft ;
- 2, Luff: 25.873Ft ; Leech: 21.130Ft ;
- 3, Luff: 38.745Ft ; Leech: 33.418Ft ;

### Luff Curve

		Fanned Luff (@ 5.00% [1.427Ft])	Before BSeam
51.469Ft,	0.000Ft	100% (51.470Ft) :	0.000Ft -0.000Ft
47.192Ft,	0.174Ft	90% (46.317Ft) :	-0.221Ft -0.056Ft
42.462Ft,	0.316Ft	80% (41.184Ft) :	-0.364Ft -0.040Ft
38.298Ft,	0.388Ft	70% (36.032Ft) :	-0.428Ft 0.039Ft
33.456Ft,	0.416Ft	60% (30.885Ft) :	-0.430Ft 0.146Ft
25.613Ft,	0.365Ft	50% (25.737Ft) :	-0.389Ft 0.249Ft
16.727Ft,	0.248Ft	40% (20.590Ft) :	-0.323Ft 0.322Ft
8.700Ft,	0.124Ft	30% (15.441Ft) :	-0.246Ft 0.343Ft
0.000Ft,	0.000Ft	20% (10.297Ft) :	-0.167Ft 0.291Ft
		10% (5.143Ft) :	-0.088Ft 0.160Ft
		0% (0.000Ft) :	0.000Ft 0.000Ft

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## Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1	0.131Ft	0.131Ft	0.131Ft
Cover 1	0.082Ft	0.082Ft	0.082Ft
Cover 2	0.082Ft	0.082Ft	0.082Ft
Cover 3	0.000Ft	0.000Ft	0.000Ft
Cover 4	0.000Ft	0.000Ft	0.000Ft

## Edge Excesses

	Luff	Leech	Foot
Sail:	0.000Ft	0.000Ft	0.000Ft
Cover 0	0.230Ft	0.328Ft	0.230Ft
Cover 1	0.230Ft	0.230Ft	0.328Ft
Cover 2	0.000Ft	0.230Ft	0.230Ft
Cover 3	0.000Ft	0.230Ft	0.230Ft

## Total Seam Lengths (Ft)

Horizontal	172.50
Radial/Vertical	0.00
Bi-Radial Split	0.00

## Materials

Material	Area (Ft <sup>2</sup> )	Panels
Material 1	663.55	1,2,3,4,5 6,7,8,9,10 11,12