

# Genoa: 8000813 Matt Hunter 356 Headsail.des

Design Info  
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Design File:  
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000813 Matt Hunter

Initial Design Date: 27/8/2024  
Boat:  
Hunter 356  
Client:

Comments:

Design Data  
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## Genoa

### Measurements

Luff geodesic: 42.198Ft  
Leech geodesic: 37.963Ft  
Foot geodesic: 16.019Ft  
Headboard width: 0.164Ft  
Luff perpendicular (HLP): 14.476Ft  
Upper width (HUW): 1.626Ft  
Three-quarter width (HTW): 3.176Ft  
Half width (HHW): 6.644Ft  
Quarter width (HQW): 10.422Ft  
Foot median: 39.902Ft  
ORC Headsail area: 292.081Ft?  
IRC Headsail area: 291.549Ft?  
Surface area: 295.801Ft?  
Forestay height: 44.830Ft  
J: 13.160Ft

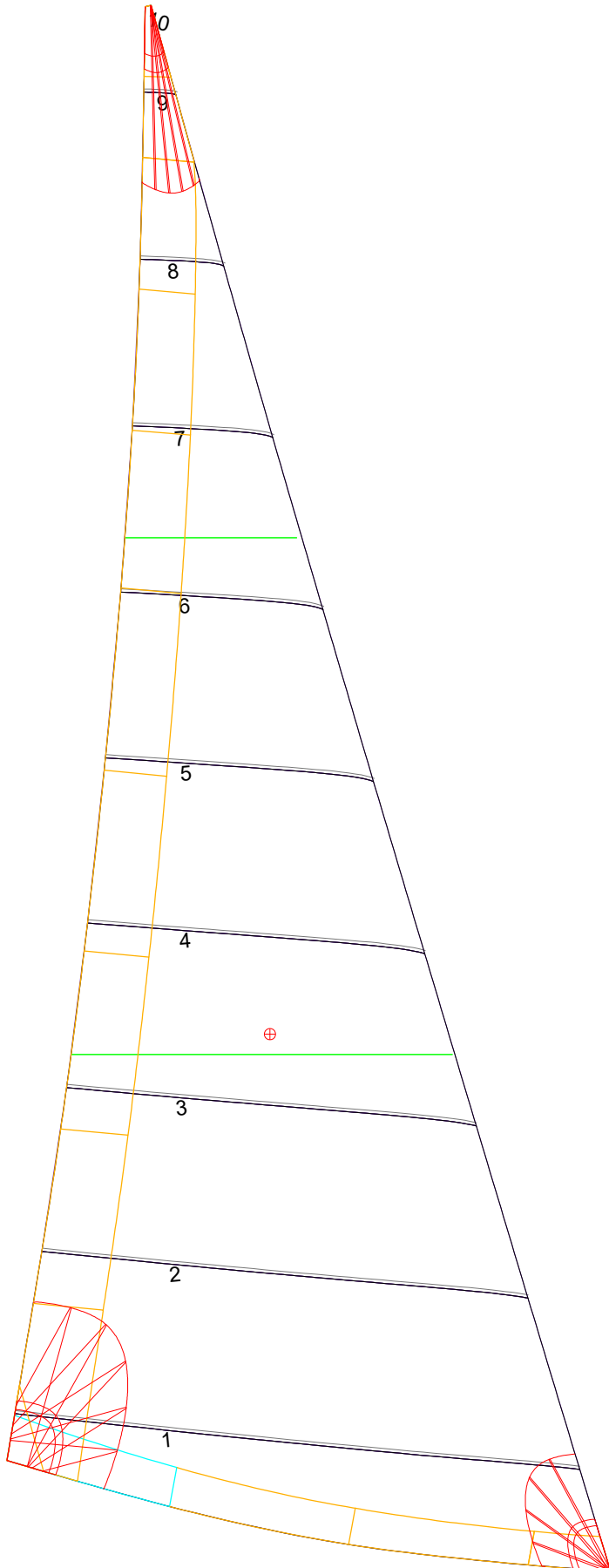
### Draft Stripes

1, Luff: 13.970Ft ; Leech: 10.678Ft ;  
2, Luff: 27.923Ft ; Leech: 24.085Ft ;

### Luff Curve

		Fanned Luff (@ 5.00% [0.781Ft])	Before BSeam
42.193Ft,	0.000Ft	100% (42.194Ft) :	0.000Ft
38.687Ft,	0.106Ft	90% (37.976Ft) :	-0.114Ft
34.810Ft,	0.192Ft	80% (33.757Ft) :	-0.200Ft
31.396Ft,	0.236Ft	70% (29.537Ft) :	-0.246Ft
27.427Ft,	0.253Ft	60% (25.318Ft) :	-0.256Ft
20.997Ft,	0.222Ft	50% (21.098Ft) :	-0.239Ft
13.713Ft,	0.151Ft	40% (16.878Ft) :	-0.203Ft
7.132Ft,	0.075Ft	30% (12.658Ft) :	-0.159Ft
0.000Ft,	0.000Ft	20% (8.440Ft) :	-0.110Ft
		10% (4.217Ft) :	-0.058Ft
		0% (0.000Ft) :	0.000Ft

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## Seam Allowances

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

## Edge Excesses

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

## Total Seam Lengths (Ft)

Horizontal	68.13
Radial/Vertical	0.00
Bi-Radial Split	0.00

## Materials

Material	Area (Ft <sup>2</sup> )	Panels
Material 1	295.99	1,2,3,4,5 6,7,8,9,10