

# Genoa: 8000802 Claude Headsail.des

Design Info  
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Design File:  
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000802 Claude h

Initial Design Date: 8/8/2024  
Boat:

Comments:

Client:

Design Data  
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## Genoa

### Measurements

Luff geodesic: 35.640Ft  
 Leech geodesic: 34.168Ft  
 Foot geodesic: 13.677Ft  
 Headboard width: 0.148Ft  
 Luff perpendicular (HLP): 13.110Ft  
 Upper width (HUW): 1.411Ft  
 Three-quarter width (HTW): 2.810Ft  
 Half width (HHW): 6.018Ft  
 Quarter width (HQW): 9.502Ft  
 Foot median: 34.623Ft  
 ORC Headsail area: 223.271Ft?  
 IRC Headsail area: 222.303Ft?  
 Surface area: 224.200Ft?  
 Forestay height: 38.386Ft  
 J: 9.711Ft

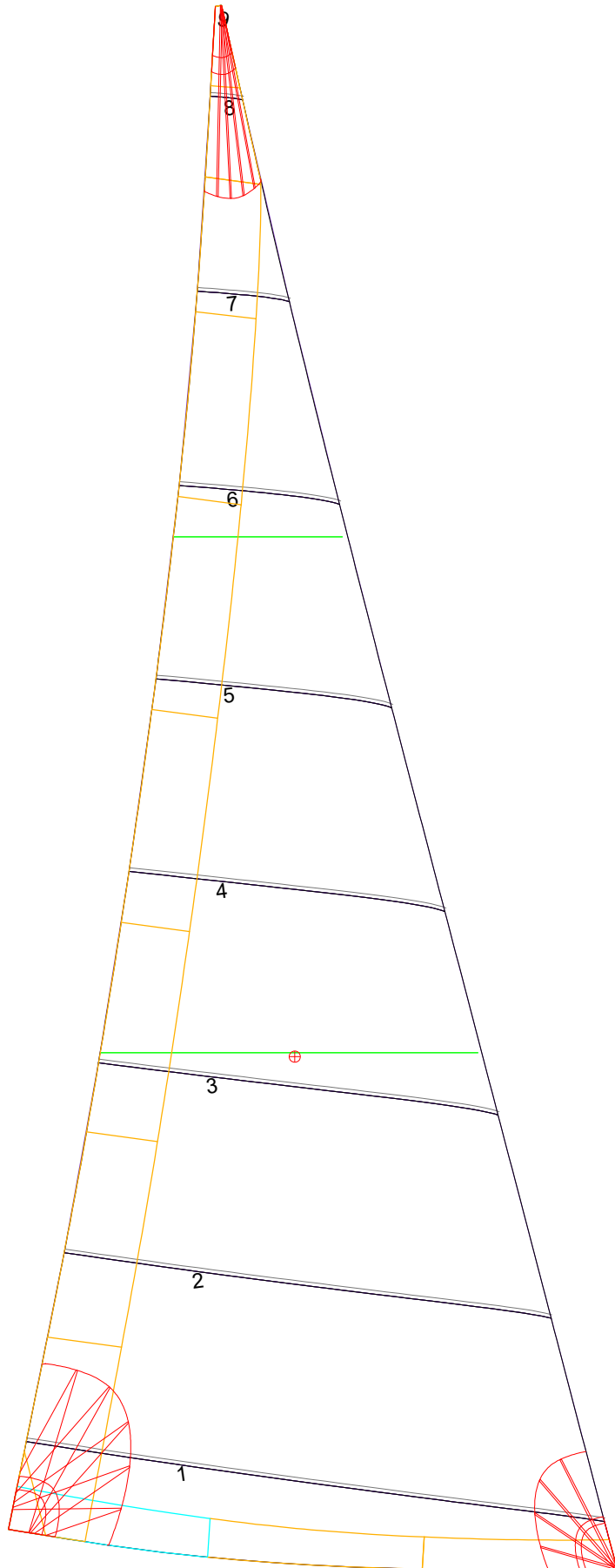
### Draft Stripes

1, Luff: 11.804Ft ; Leech: 10.785Ft ;  
 2, Luff: 23.592Ft ; Leech: 22.267Ft ;

### Luff Curve

		Fanned Luff (@ 5.00% [0.673Ft])	Before BSeam
35.633Ft,	0.000Ft	100% (35.633Ft) :	0.000Ft
32.672Ft,	0.121Ft	90% (32.068Ft) :	-0.144Ft
29.397Ft,	0.219Ft	80% (28.512Ft) :	-0.238Ft
26.514Ft,	0.269Ft	70% (24.945Ft) :	-0.279Ft
23.162Ft,	0.288Ft	60% (21.382Ft) :	-0.281Ft
17.732Ft,	0.253Ft	50% (17.818Ft) :	-0.254Ft
11.581Ft,	0.172Ft	40% (14.254Ft) :	-0.209Ft
6.023Ft,	0.086Ft	30% (10.690Ft) :	-0.159Ft
0.000Ft,	0.000Ft	20% (7.128Ft) :	-0.108Ft
		10% (3.561Ft) :	-0.057Ft
		0% (0.000Ft) :	0.000Ft

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## Seam Allowances

	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

	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	53.38
Radial/Vertical	0.00
Bi-Radial Split	0.00

## Materials

Material	Area (Ft <sup>2</sup> )	Panels
Material 1	224.67	1,2,3,4,5 6,7,8,9