

# Genoa: 8000239 Nathan 75ft schooner HeadsailV3.des

Design Info  
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Design File:  
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000239 Nathan h

Initial Design Date: 8/5/2024  
Boat:

Comments:

Client:

Design Data  
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## Genoa

### Measurements

Luff geodesic: 43.250Ft  
Leech geodesic: 40.548Ft  
Foot geodesic: 34.219Ft  
Headboard width: 0.200Ft  
Luff perpendicular (HLP): 30.801Ft  
Upper width (HUW): 3.653Ft  
Three-quarter width (HTW): 7.269Ft  
Half width (HHW): 14.925Ft  
Quarter width (HQW): 22.860Ft  
Foot median: 39.663Ft  
ORC Headsail area: 655.571Ft?  
IRC Headsail area: 653.790Ft?  
Surface area: 675.364Ft?  
Forestay height: 43.000Ft  
J: 22.000Ft

### Luff Curve

43.246Ft, 0.000Ft  
34.574Ft, 0.162Ft  
25.908Ft, 0.224Ft  
17.256Ft, 0.204Ft  
8.621Ft, 0.128Ft  
0.000Ft, 0.000Ft

Fanned Luff (@ 5.00% [1.681Ft])		Before BSeam
100% (43.246Ft) :	0.000Ft	0.000Ft
90% (38.918Ft) :	-0.088Ft	0.100Ft
80% (34.600Ft) :	-0.167Ft	0.203Ft
70% (30.272Ft) :	-0.215Ft	0.322Ft
60% (25.948Ft) :	-0.237Ft	0.432Ft
50% (21.623Ft) :	-0.241Ft	0.499Ft
40% (17.299Ft) :	-0.229Ft	0.512Ft
30% (12.972Ft) :	-0.203Ft	0.466Ft
20% (8.652Ft) :	-0.157Ft	0.365Ft
10% (4.317Ft) :	-0.087Ft	0.214Ft
0% (0.000Ft) :	0.000Ft	0.000Ft

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## Seam Allowances

	Split	Radial	Cross
Zone: 1	0.131Ft	0.131Ft	0.131Ft
Zone: 2	0.131Ft	0.131Ft	0.131Ft

## Edge Excesses

Sail:	Luff	Leech	Foot
	0.000Ft	0.000Ft	0.000Ft

## Total Seam Lengths (Ft)

Horizontal	158.25
Radial/Vertical	0.00
Bi-Radial Split	0.00

## Materials

Material	Area (Ft <sup>2</sup> )	Panels
Material 1	674.31	1\3,1\2,1\1,2\1,2\2 2\3,2\4,2\5,2\6,2\7

