

# Genoa: 8000226 Bill Catalina 25 furlgen.des

Design Info  
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Design File:  
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000226 Bill Catalina

Initial Design Date: 19/2/2024  
Boat:

Comments:

Client:

Design Data  
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Genoa

## Measurements

Luff geodesic: 27.329Ft  
Leech geodesic: 27.410Ft  
Foot geodesic: 16.160Ft  
Headboard width: 0.098Ft  
Luff perpendicular (HLP): 15.592Ft  
Upper width (HUW): 1.781Ft  
Three-quarter width (HTW): 3.565Ft  
Half width (HHW): 7.393Ft  
Quarter width (HQW): 11.476Ft  
Foot median: 26.830Ft  
ORC Headsail area: 207.370Ft?  
IRC Headsail area: 206.647Ft?  
Surface area: 210.590Ft?  
Forestay height: 29.000Ft  
J: 10.490Ft

## Luff Curve

27.324Ft, 0.000Ft  
25.053Ft, 0.093Ft  
22.542Ft, 0.168Ft  
20.332Ft, 0.206Ft  
17.761Ft, 0.221Ft  
13.597Ft, 0.194Ft  
8.880Ft, 0.132Ft  
4.618Ft, 0.066Ft  
0.000Ft, 0.000Ft

Fanned Luff (@ 5.00% [0.788Ft])	Before BSeam
100% (27.324Ft) :	-0.000Ft 0.000Ft
90% (24.587Ft) :	-0.104Ft -0.001Ft
80% (21.864Ft) :	-0.177Ft 0.019Ft
70% (19.128Ft) :	-0.214Ft 0.058Ft
60% (16.396Ft) :	-0.217Ft 0.105Ft
50% (13.663Ft) :	-0.198Ft 0.147Ft
40% (10.931Ft) :	-0.166Ft 0.175Ft
30% (8.197Ft) :	-0.128Ft 0.176Ft
20% (5.467Ft) :	-0.087Ft 0.145Ft
10% (2.729Ft) :	-0.044Ft 0.082Ft
0% (0.000Ft) :	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	0.082Ft	0.082Ft	0.082Ft
Cover 3	0.000Ft	0.000Ft	0.000Ft
Cover 4	0.000Ft	0.000Ft	0.000Ft

## Edge Excesses

Sail:	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	61.46
Radial/Vertical	0.00
Bi-Radial Split	0.00

## Materials

Material	Area (Ft <sup>2</sup> )	Panels
Material 1	211.02	1,2,3,4,5 6,7,8

