

# Genoa: 7001227 John-2 catalina22 140%furlgen.des

## Design Info =====

Design File:  
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\7001227 John Cat

Initial Design Date: 20/2/2024  
Boat:  
Catalina 22  
Client:

Comments:

## Design Data =====

### Genoa

#### Measurements

Luff geodesic: 7.670m  
Leech geodesic: 7.170m  
Foot geodesic: 3.665m  
Headboard width: 0.030m  
Luff perpendicular (HLP): 3.416m  
Upper width (HUW): 0.407m  
Three-quarter width (HTW): 0.793m  
Half width (HHW): 1.613m  
Quarter width (HQW): 2.494m  
Foot median: 7.237m  
ORC Headsail area: 12.738m?  
IRC Headsail area: 12.722m?  
Surface area: 12.678m?  
Forestay height: 7.870m  
J: 2.440m

#### Draft Stripes

1, Luff: 2.544m ; Leech: 2.166m ;  
2, Luff: 5.074m ; Leech: 4.624m ;

#### Luff Curve

7.669m, 0.000m  
5.752m, 0.030m  
3.835m, 0.045m  
1.918m, 0.035m  
0.000m, 0.000m

#### Fanned Luff (@ 5.00% [0.180m])

100% (7.669m) : 0.000m  
90% (6.902m) : -0.012m  
80% (6.136m) : -0.025m  
70% (5.368m) : -0.036m  
60% (4.602m) : -0.044m  
50% (3.835m) : -0.049m  
40% (3.068m) : -0.049m  
30% (2.300m) : -0.044m  
20% (1.534m) : -0.033m  
10% (0.766m) : -0.018m  
0% (0.000m) : 0.000m

#### Before BSeam

0.000m  
0.009m  
0.017m  
0.021m  
0.021m  
0.019m  
0.016m  
0.014m  
0.012m  
0.008m  
0.000m

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## Seam Allowances

	Split	Radial	Cross
Zone: 1	0.000m	0.000m	0.025m
Zone: 2	0.000m	0.000m	0.025m
Cover 1	0.025m	0.025m	0.025m
Cover 2	0.025m	0.025m	0.025m
Cover 3	0.000m	0.000m	0.000m
Cover 4	0.000m	0.000m	0.000m

## Edge Excesses

	Luff	Leech	Foot
Sail:	0.000m	0.000m	0.000m
Cover 0	0.070m	0.100m	0.070m
Cover 1	0.070m	0.070m	0.100m
Cover 2	0.000m	0.070m	0.070m
Cover 3	0.000m	0.070m	0.070m

## Total Seam Lengths (m)

Horizontal	9.99
Radial/Vertical	0.00
Bi-Radial Split	0.00

## Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	12.71	1\1,2\1,2\2,2\3,2\4 2\5

