

# Genoa: 7001225 Darren Alajuela 38 furlgenoaV2.des

Design Info  
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Design File:  
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\7001225 Darren\7001225 Darren

Initial Design Date: 12/1/2024  
Boat:

Comments:

Client:

Design Data  
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## Genoa

### Measurements

Luff geodesic:	14.870m
Leech geodesic:	12.845m
Foot geodesic:	8.934m
Headboard width:	0.045m
Luff perpendicular (HLP):	7.800m
Upper width (HUW):	0.890m
Three-quarter width (HTW):	1.769m
Half width (HHW):	3.688m
Quarter width (HQW):	5.723m
Foot median:	13.507m
ORC Headsail area:	56.309m?
IRC Headsail area:	56.150m?
Surface area:	57.839m?
Forestay height:	14.600m
J:	6.000m

### Draft Stripes

1, Luff: 3.740m ; Leech: 2.155m ;  
2, Luff: 7.478m ; Leech: 5.747m ;  
3, Luff: 11.196m ; Leech: 9.237m ;

### Luff Curve

14.867m,	0.000m
13.631m,	0.050m
12.265m,	0.091m
11.062m,	0.112m
9.664m,	0.120m
7.398m,	0.105m
4.832m,	0.072m
2.513m,	0.036m
0.000m,	0.000m

### Fanned Luff (@ 5.00% [0.435m])

100% (14.867m) :	0.000m	-0.000m
90% (13.380m) :	-0.058m	-0.000m
80% (11.896m) :	-0.108m	0.006m
70% (10.408m) :	-0.129m	0.033m
60% (8.921m) :	-0.128m	0.068m
50% (7.434m) :	-0.116m	0.093m
40% (5.947m) :	-0.097m	0.105m
30% (4.460m) :	-0.075m	0.103m
20% (2.974m) :	-0.051m	0.086m
10% (1.485m) :	-0.027m	0.049m
0% (0.000m) :	0.000m	0.000m

### Before BSeam

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## Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1	0.040m	0.040m	0.040m
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

Sail:	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	42.93
Radial/Vertical	0.00
Bi-Radial Split	0.00

## Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	57.74	1,2,3,4,5 6,7,8,9,10 11

