

# Genoa: 7001204 Richie Beneteau 38 HeadsailV1.des

Design Info  
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Design File:  
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need to be Confirmed\7001204 Richie\700

Initial Design Date: 13/12/2023  
Boat:

Comments:

Client:

Design Data  
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## Genoa

### Measurements

Luff geodesic:	44.301Ft
Leech geodesic:	42.253Ft
Foot geodesic:	20.626Ft
Headboard width:	0.112Ft
Luff perpendicular (HLP):	19.575Ft
Upper width (HUW):	2.196Ft
Three-quarter width (HTW):	4.375Ft
Half width (HHW):	9.100Ft
Quarter width (HQW):	14.229Ft
Foot median:	42.701Ft
ORC Headsail area:	417.458Ft?
IRC Headsail area:	416.479Ft?
Surface area:	420.498Ft?
Forestay height:	46.000Ft
J:	14.500Ft

### Luff Curve

44.292Ft,	0.000Ft
40.612Ft,	0.150Ft
36.541Ft,	0.272Ft
32.958Ft,	0.334Ft
28.791Ft,	0.358Ft
22.041Ft,	0.314Ft
14.395Ft,	0.213Ft
7.487Ft,	0.107Ft
0.000Ft,	0.000Ft

Fanned Luff (@ 5.00% [1.016Ft])	Before BSeam
100% (44.293Ft) :	-0.000Ft 0.000Ft
90% (39.861Ft) :	-0.162Ft 0.006Ft
80% (35.440Ft) :	-0.282Ft 0.030Ft
70% (31.007Ft) :	-0.342Ft 0.063Ft
60% (26.578Ft) :	-0.352Ft 0.097Ft
50% (22.148Ft) :	-0.324Ft 0.130Ft
40% (17.719Ft) :	-0.271Ft 0.150Ft
30% (13.288Ft) :	-0.208Ft 0.149Ft
20% (8.861Ft) :	-0.141Ft 0.125Ft
10% (4.426Ft) :	-0.072Ft 0.075Ft
0% (0.000Ft) :	0.000Ft 0.000Ft

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## Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1	0.131Ft	0.131Ft	0.131Ft
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	112.64
Radial/Vertical	0.00
Bi-Radial Split	0.00

## Materials

Material	Area (Ft <sup>2</sup> )	Panels
Material 1	421.18	1,2,3,4,5 6,7,8,9,10 11

