

# Genoa: 7000524 Sarah-2 Hanse 540e self-tacking jibV1.des

Design Info  
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Design File:  
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need Confrim Order\7000524 Sarah\7000524 Sarah

Initial Design Date: 1/6/2023  
Boat:

Comments:

Client:

Design Data  
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Genoa

## Measurements

Luff geodesic:	20.790m
Leech geodesic:	19.261m
Foot geodesic:	5.419m
Headboard width:	0.033m
Luff perpendicular (HLP):	4.959m
Upper width (HUW):	0.481m
Three-quarter width (HTW):	0.968m
Half width (HHW):	2.109m
Quarter width (HQW):	3.456m
Foot median:	19.986m
ORC Headsail area:	47.355m?
IRC Headsail area:	47.239m?
Surface area:	47.265m?
Forestay height:	21.000m
J:	5.700m

## Draft Stripes

1, Luff: 5.213m ; Leech: 4.182m ;  
2, Luff: 10.424m ; Leech: 9.198m ;  
3, Luff: 15.622m ; Leech: 14.202m ;

## Luff Curve

20.788m,	0.000m
19.060m,	0.052m
17.150m,	0.095m
15.468m,	0.116m
13.513m,	0.125m
10.345m,	0.109m
6.756m,	0.074m
3.514m,	0.037m
0.000m,	0.000m

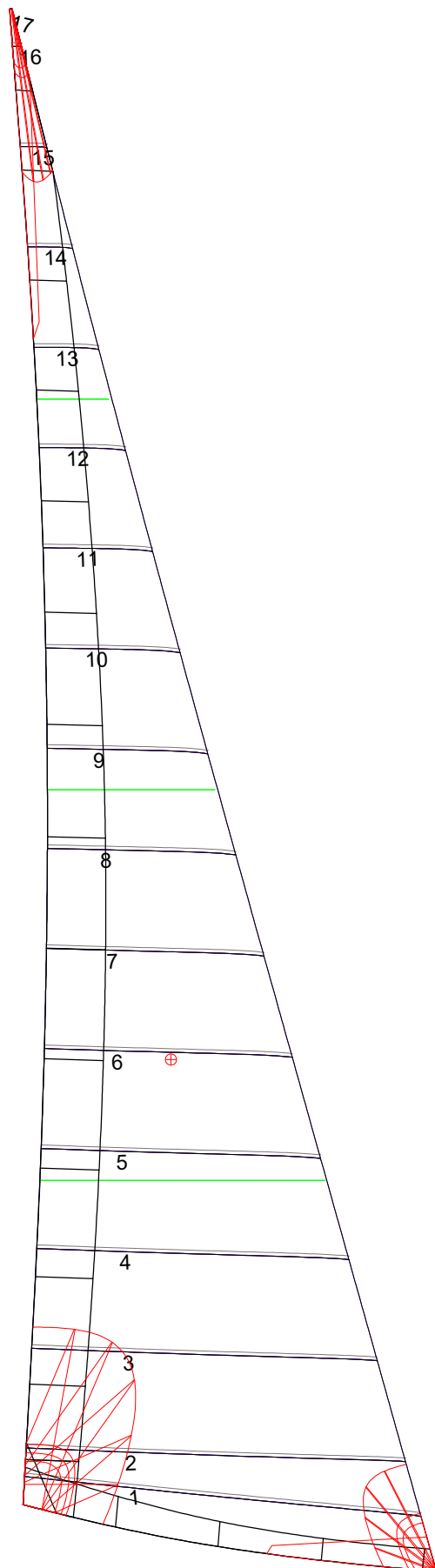
## Fanned Luff (@ 5.00% [0.265m])

100% (20.788m) :	-0.000m
90% (18.709m) :	-0.060m
80% (16.632m) :	-0.102m
70% (14.552m) :	-0.123m
60% (12.473m) :	-0.125m
50% (10.394m) :	-0.114m
40% (8.316m) :	-0.095m
30% (6.236m) :	-0.072m
20% (4.158m) :	-0.048m
10% (2.078m) :	-0.024m
0% (0.000m) :	0.000m

## Before BSeam

0.000m
-0.030m
-0.046m
-0.049m
-0.043m
-0.032m
-0.020m
-0.011m
-0.003m
0.003m
0.000m

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## Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1	0.046m	0.046m	0.046m
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	39.87
Radial/Vertical	0.00
Bi-Radial Split	0.00

## Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	47.39	1,2,3,4,5 6,7,8,9,10 11,12,13,14,15 16,17