

Genoa: 7000524 Sarah-2 Hanse 540e self-tacking jib.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:	19.369m
Foot geodesic:	5.844m
Headboard width:	0.033m
Luff perpendicular (HLP):	5.415m
Upper width (HUW):	0.538m
Three-quarter width (HTW):	1.081m
Half width (HHW):	2.337m
Quarter width (HQW):	3.799m
Foot median:	20.004m
ORC Headsail area:	52.094m?
IRC Headsail area:	51.973m?
Surface area:	51.951m?
Forestay height:	21.000m
J:	5.700m

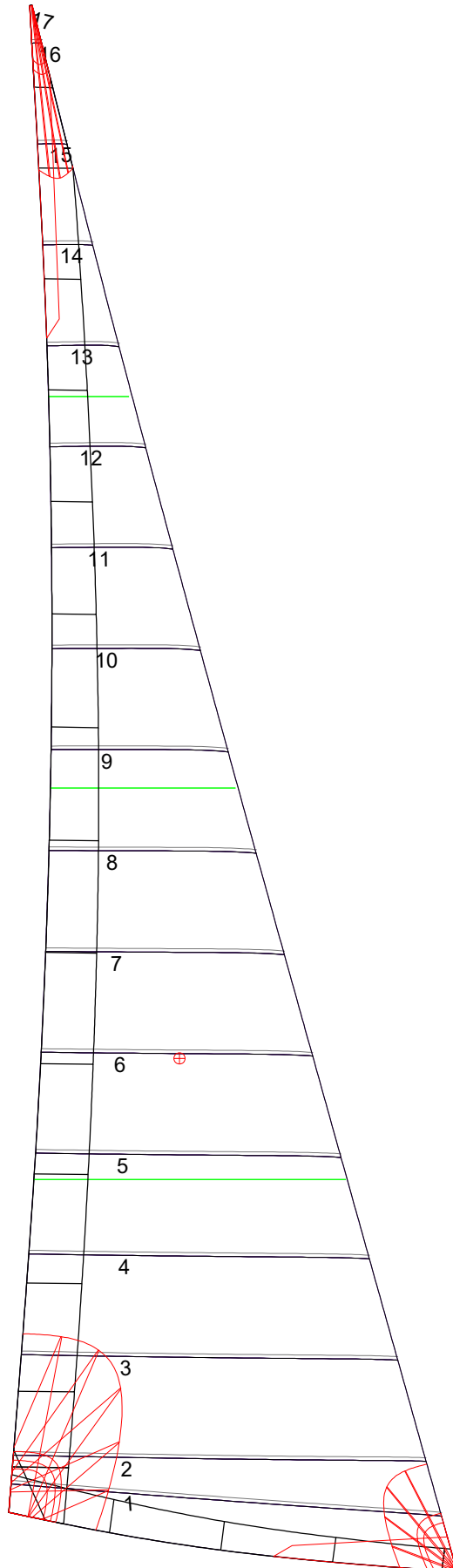
Draft Stripes

- 1, Luff: 5.213m ; Leech: 4.290m ;
- 2, Luff: 10.424m ; Leech: 9.309m ;
- 3, Luff: 15.622m ; Leech: 14.311m ;

Luff Curve

		Fanned Luff (@ 5.00% [0.287m])	Before BSeam
20.788m,	0.000m	100% (20.788m) :	-0.000m
19.060m,	0.052m	90% (18.709m) :	-0.028m
17.150m,	0.095m	80% (16.632m) :	-0.041m
15.468m,	0.116m	70% (14.552m) :	-0.043m
13.513m,	0.125m	60% (12.473m) :	-0.037m
10.345m,	0.109m	50% (10.394m) :	-0.026m
6.756m,	0.074m	40% (8.316m) :	-0.015m
3.514m,	0.037m	30% (6.236m) :	-0.007m
0.000m,	0.000m	20% (4.158m) :	-0.000m
		10% (2.078m) :	0.004m
		0% (0.000m) :	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
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	43.55
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	52.09	1,2,3,4,5 6,7,8,9,10 11,12,13,14,15 16,17