

Genoa: 7001021 Sean Jeanneau 469 Headsail.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need to be Confirmed\7001021 Sean\7001021 Sean

Initial Design Date: 10/11/2023
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	15.469m
Leech geodesic:	14.432m
Foot geodesic:	5.136m
Headboard width:	0.034m
Luff perpendicular (HLP):	4.811m
Upper width (HUW):	0.524m
Three-quarter width (HTW):	1.040m
Half width (HHW):	2.185m
Quarter width (HQW):	3.458m
Foot median:	14.854m
ORC Headsail area:	35.395m ²
IRC Headsail area:	35.307m ²
Surface area:	35.405m ²
Forestay height:	17.200m
J:	5.660m

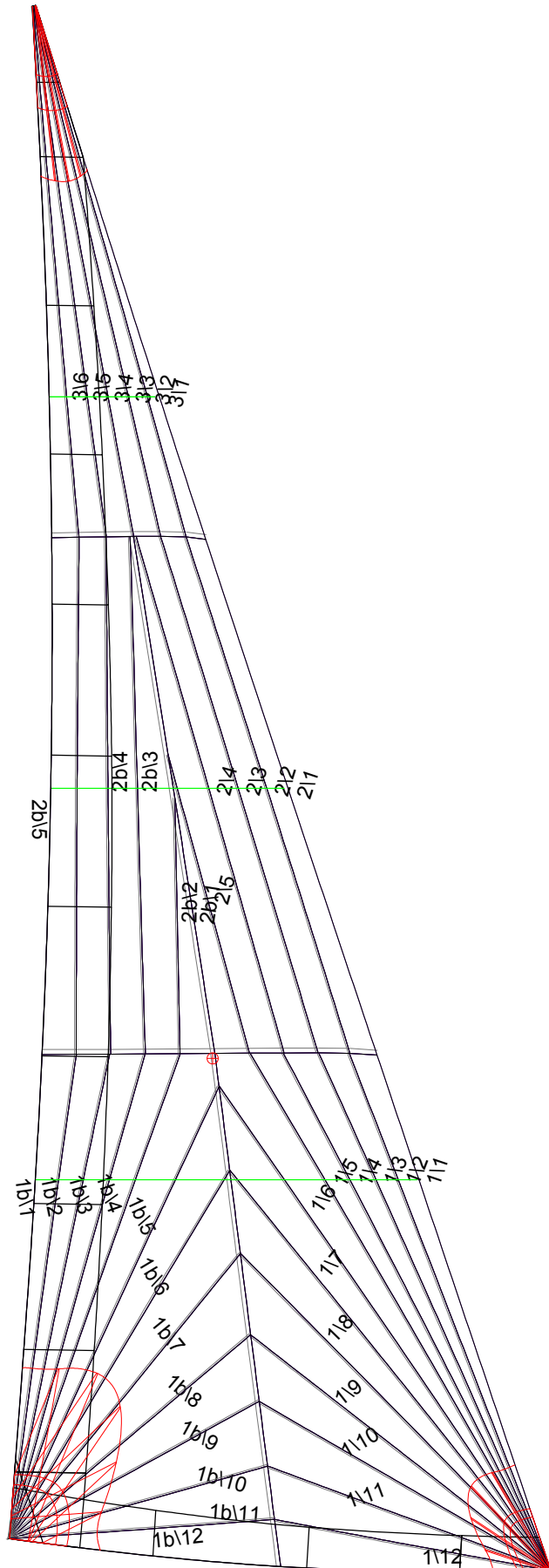
Draft Stripes

- 1, Luff: 3.881m ; Leech: 3.389m ;
- 2, Luff: 7.761m ; Leech: 7.063m ;
- 3, Luff: 11.629m ; Leech: 10.725m ;

Luff Curve

		Fanned Luff (@ 5.00% [0.254m])	Before BSeam
15.467m,	0.000m	100% (15.467m) :	0.000m -0.000m
14.182m,	0.039m	90% (13.920m) :	-0.041m -0.007m
12.760m,	0.070m	80% (12.375m) :	-0.071m -0.008m
11.509m,	0.087m	70% (10.827m) :	-0.086m -0.001m
10.054m,	0.093m	60% (9.281m) :	-0.090m 0.010m
7.697m,	0.081m	50% (7.734m) :	-0.083m 0.022m
5.027m,	0.055m	40% (6.187m) :	-0.071m 0.029m
2.614m,	0.028m	30% (4.640m) :	-0.055m 0.032m
0.000m,	0.000m	20% (3.094m) :	-0.038m 0.029m
		10% (1.546m) :	-0.020m 0.019m
		0% (0.000m) :	0.000m 0.000m

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Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.038m	0.016m	0.045m
Zone: 1/b	0.038m	0.016m	0.045m
Zone: 2/a	0.038m	0.016m	0.045m
Zone: 2/b	0.038m	0.016m	0.045m
Zone: 3	0.038m	0.016m	0.045m
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	4.81
Radial/Vertical	151.73
Bi-Radial Split	10.18

Materials

Material	Area (m ²)	Panels
Material 1	35.48	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1\9,1\10 1\11,1\12,1b\1,1b\2,1b\3 1b\4,1b\5,1b\6,1b\7,1b\8 1b\9,1b\10,1b\11,1b\12,2\1 2\2,2\3,2\4,2\5,2b\1 2b\2,2b\3,2b\4,2b\5,3\1 3\2,3\3,3\4,3\5,3\6