

Genoa: 7001021 Sean Jeanneau 469 HeadsailV1.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:	15.340m
Leech geodesic:	14.311m
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:	14.727m
ORC Headsail area:	35.100m?
IRC Headsail area:	35.013m?
Surface area:	35.111m?
Forestay height:	17.200m
J:	5.660m

Draft Stripes

1, Luff: 3.849m ; Leech: 3.359m ;
2, Luff: 7.697m ; Leech: 7.003m ;
3, Luff: 11.532m ; Leech: 10.634m ;

Luff Curve

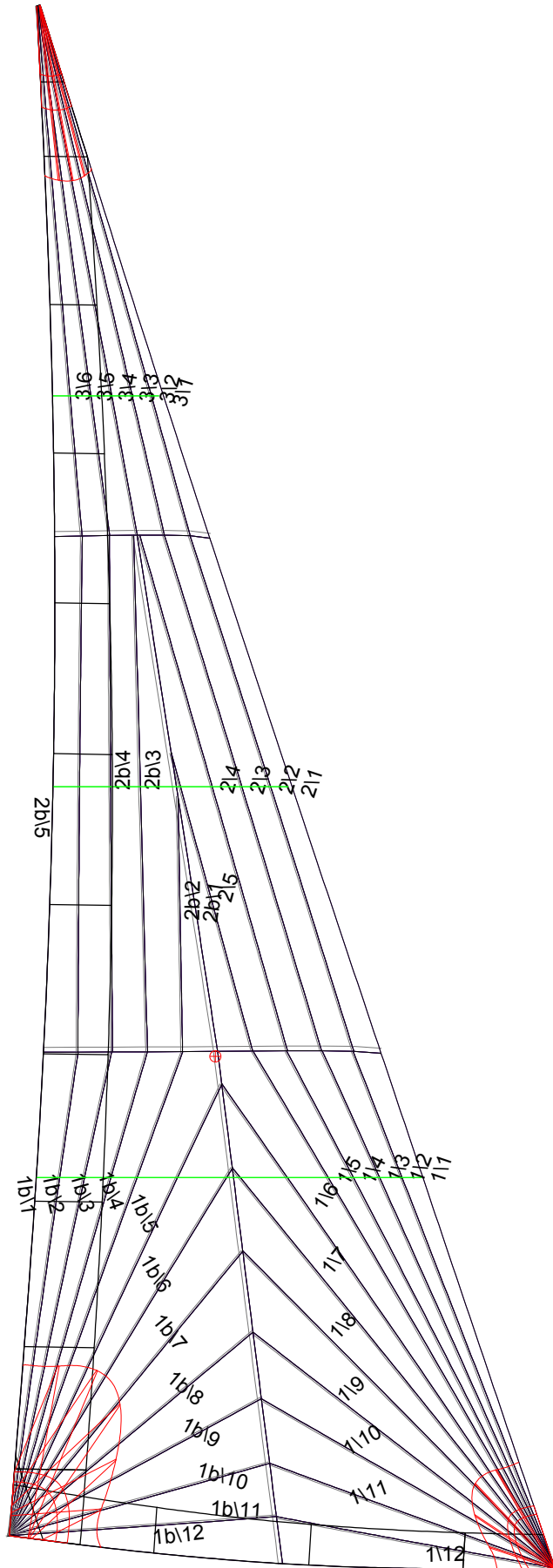
15.338m,	0.000m
14.064m,	0.039m
12.654m,	0.070m
11.413m,	0.087m
9.970m,	0.093m
7.633m,	0.081m
4.985m,	0.055m
2.593m,	0.028m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.254m])

100% (15.339m) :	-0.000m	-0.000m
90% (13.804m) :	-0.040m	-0.007m
80% (12.272m) :	-0.071m	-0.008m
70% (10.737m) :	-0.086m	-0.001m
60% (9.204m) :	-0.089m	0.010m
50% (7.670m) :	-0.082m	0.022m
40% (6.136m) :	-0.070m	0.029m
30% (4.601m) :	-0.055m	0.032m
20% (3.068m) :	-0.038m	0.029m
10% (1.533m) :	-0.020m	0.019m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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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	150.71
Bi-Radial Split	10.09

Materials

Material	Area (m ²)	Panels
Material 1	35.18	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