

Genoa: 7000711 Steven -3 Vancouver 27 Staysail.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need Confrim Order\7000711 Steven\7000

Initial Design Date: 12/7/2023
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	7.190m
Leech geodesic:	6.960m
Foot geodesic:	2.130m
Headboard width:	0.050m
Luff perpendicular (HLP):	2.061m
Upper width (HUW):	0.253m
Three-quarter width (HTW):	0.467m
Half width (HHW):	0.947m
Quarter width (HQW):	1.485m
Foot median:	7.043m
ORC Headsail area:	7.136m?
IRC Headsail area:	7.116m?
Surface area:	7.131m?
Forestay height:	8.330m
J:	2.700m

Draft Stripes

1, Luff: 3.607m ; Leech: 3.528m ;

Luff Slides

1, Position: 0.570m
2, Position: 1.272m
3, Position: 1.974m
4, Position: 2.677m
5, Position: 3.379m
6, Position: 4.081m
7, Position: 4.783m
8, Position: 5.486m
9, Position: 6.188m
10, Position: 6.890m

Luff Curve

7.189m,	0.000m
6.592m,	0.018m
5.931m,	0.033m
5.350m,	0.040m
4.673m,	0.043m
3.578m,	0.038m
2.337m,	0.026m
1.215m,	0.013m
0.000m,	0.000m

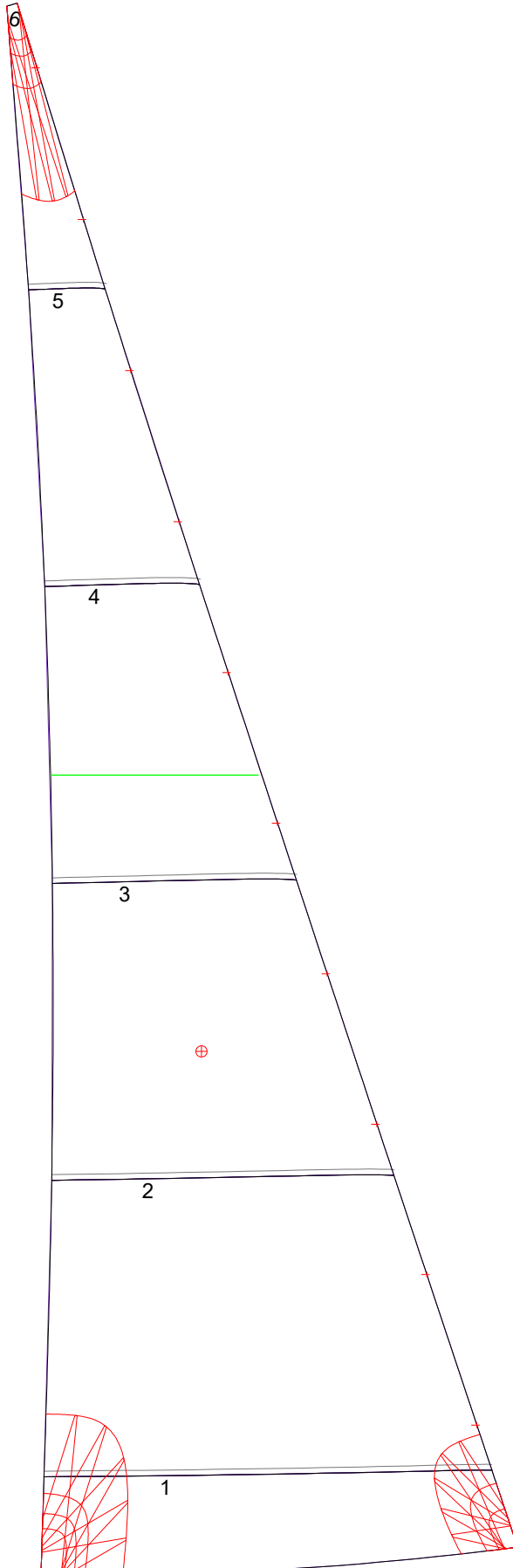
Fanned Luff (@ 5.00% [0.106m])

100% (7.189m) :	-0.000m
90% (6.470m) :	-0.018m
80% (5.752m) :	-0.032m
70% (5.033m) :	-0.039m
60% (4.314m) :	-0.040m
50% (3.595m) :	-0.036m
40% (2.876m) :	-0.031m
30% (2.157m) :	-0.024m
20% (1.438m) :	-0.016m
10% (0.718m) :	-0.008m
0% (0.000m) :	0.000m

Before BSeam

0.000m
-0.006m
-0.010m
-0.009m
-0.005m
-0.001m
0.002m
0.004m
0.005m
0.003m
0.000m

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Seam Allowances			
Zone: 1	Split	Radial	Cross
	0.025m	0.025m	0.025m

Edge Excesses			
Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	5.77
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	7.16	1,2,3,4,5 6