

Genoa: 7000821 Peter-2 Staysail.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need to be Confirmed Order\7000821 Peter-2 Staysail.des

Initial Design Date: 6/9/2023
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	7.147m
Leech geodesic:	6.020m
Foot geodesic:	3.110m
Headboard width:	0.030m
Luff perpendicular (HLP):	2.623m
Upper width (HUW):	0.304m
Three-quarter width (HTW):	0.592m
Half width (HHW):	1.215m
Quarter width (HQW):	1.900m
Foot median:	6.494m
ORC Headsail area:	9.028m?
IRC Headsail area:	9.009m?
Surface area:	9.110m?
Forestay height:	7.245m
J:	3.415m

Draft Stripes

- 1, Luff: 2.371m ; Leech: 1.669m ;
- 2, Luff: 4.737m ; Leech: 3.797m ;

Luff Curve

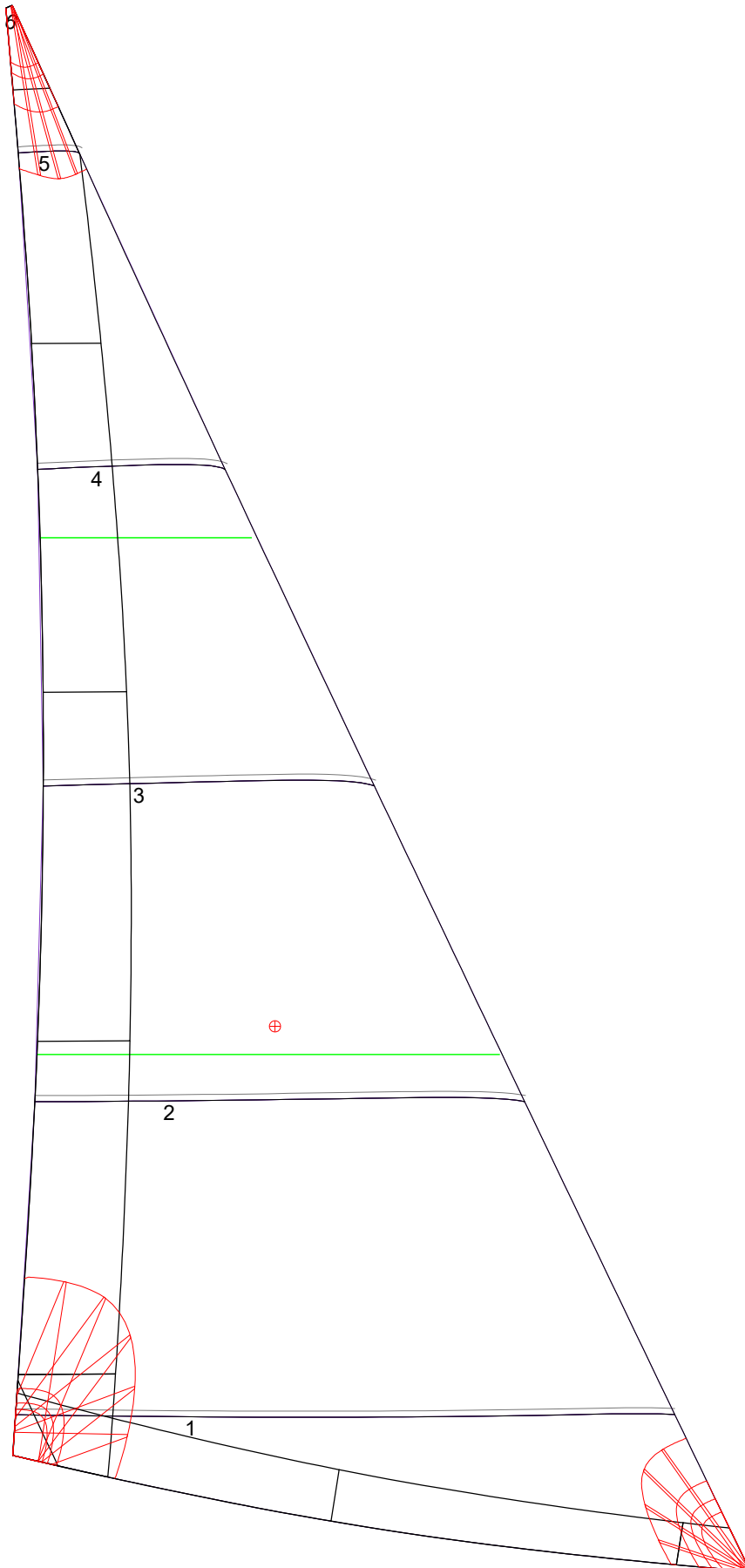
7.146m,	0.000m
6.552m,	0.018m
5.896m,	0.033m
5.317m,	0.040m
4.645m,	0.043m
3.556m,	0.038m
2.322m,	0.026m
1.208m,	0.013m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.152m])

100% (7.146m) :	0.000m	0.000m
90% (6.431m) :	-0.020m	0.002m
80% (5.718m) :	-0.035m	0.006m
70% (5.003m) :	-0.043m	0.012m
60% (4.288m) :	-0.044m	0.020m
50% (3.573m) :	-0.041m	0.026m
40% (2.859m) :	-0.035m	0.030m
30% (2.144m) :	-0.027m	0.029m
20% (1.430m) :	-0.019m	0.025m
10% (0.714m) :	-0.010m	0.016m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1	0.025m	0.025m	0.025m
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	7.43
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	9.15	1,2,3,4,5 6