

Genoa: 7001223 Steven Yankee Dolphin.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\7001223 Steven\7

Initial Design Date: 3/1/2024
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	8.449m
Leech geodesic:	7.056m
Foot geodesic:	4.267m
Headboard width:	0.035m
Luff perpendicular (HLP):	3.601m
Upper width (HUW):	0.422m
Three-quarter width (HTW):	0.826m
Half width (HHW):	1.692m
Quarter width (HQW):	2.626m
Foot median:	7.600m
ORC Headsail area:	14.751m?
IRC Headsail area:	14.720m?
Surface area:	14.931m?
Forestay height:	9.296m
J:	2.743m

Draft Stripes

- 1, Luff: 2.800m ; Leech: 1.456m ;
- 2, Luff: 5.596m ; Leech: 4.214m ;

Luff Curve

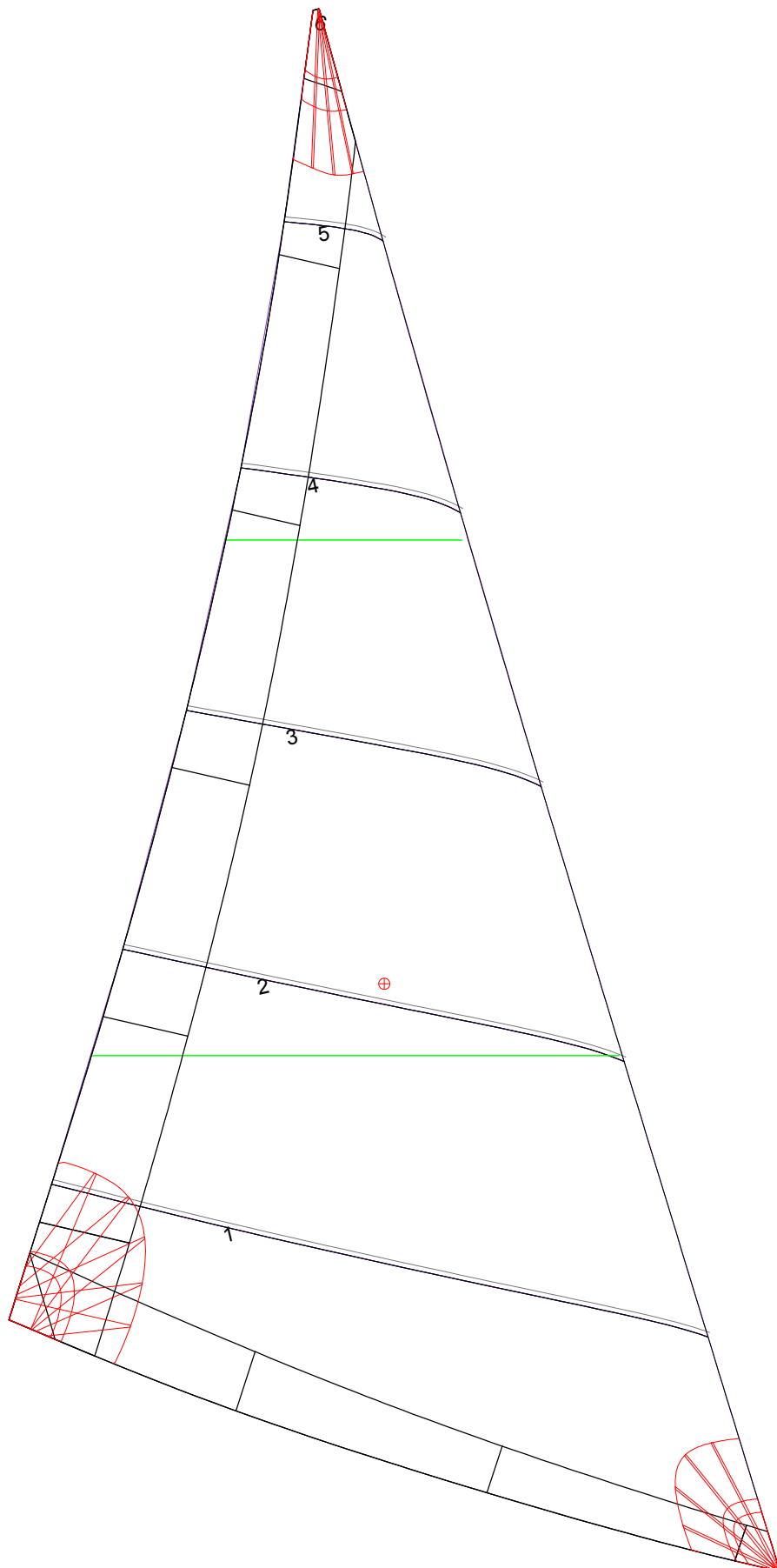
8.447m,	0.000m
7.745m,	0.029m
6.969m,	0.052m
6.285m,	0.064m
5.491m,	0.068m
4.204m,	0.060m
2.745m,	0.041m
1.428m,	0.020m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.200m])

100% (8.447m) :	0.000m	0.000m
90% (7.604m) :	-0.035m	0.005m
80% (6.758m) :	-0.060m	0.014m
70% (5.914m) :	-0.072m	0.023m
60% (5.069m) :	-0.074m	0.032m
50% (4.224m) :	-0.067m	0.039m
40% (3.379m) :	-0.056m	0.042m
30% (2.534m) :	-0.043m	0.040m
20% (1.690m) :	-0.028m	0.033m
10% (0.844m) :	-0.014m	0.020m
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

Sail:	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	10.29
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	14.96	1,2,3,4,5 6