

Genoa: 8001109 Wiebe-2 Prout 37 HeadsailV2.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8001109 Wiebe P

Initial Design Date: 10/12/2024
Boat:
Prout 37
Client:

Comments:

Design Data
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Genoa

Measurements

Luff geodesic:	13.959m
Leech geodesic:	12.200m
Foot geodesic:	5.960m
Headboard width:	0.040m
Luff perpendicular (HLP):	5.235m
Upper width (HUW):	0.578m
Three-quarter width (HTW):	1.146m
Half width (HHW):	2.410m
Quarter width (HQW):	3.780m
Foot median:	12.909m
ORC Headsail area:	34.960m?
IRC Headsail area:	34.892m?
Surface area:	35.189m?
Forestay height:	14.480m
J:	5.660m

Draft Stripes

1, Luff: 3.509m ; Leech: 2.400m ;
2, Luff: 7.018m ; Leech: 5.664m ;
3, Luff: 10.508m ; Leech: 8.901m ;

Luff Curve

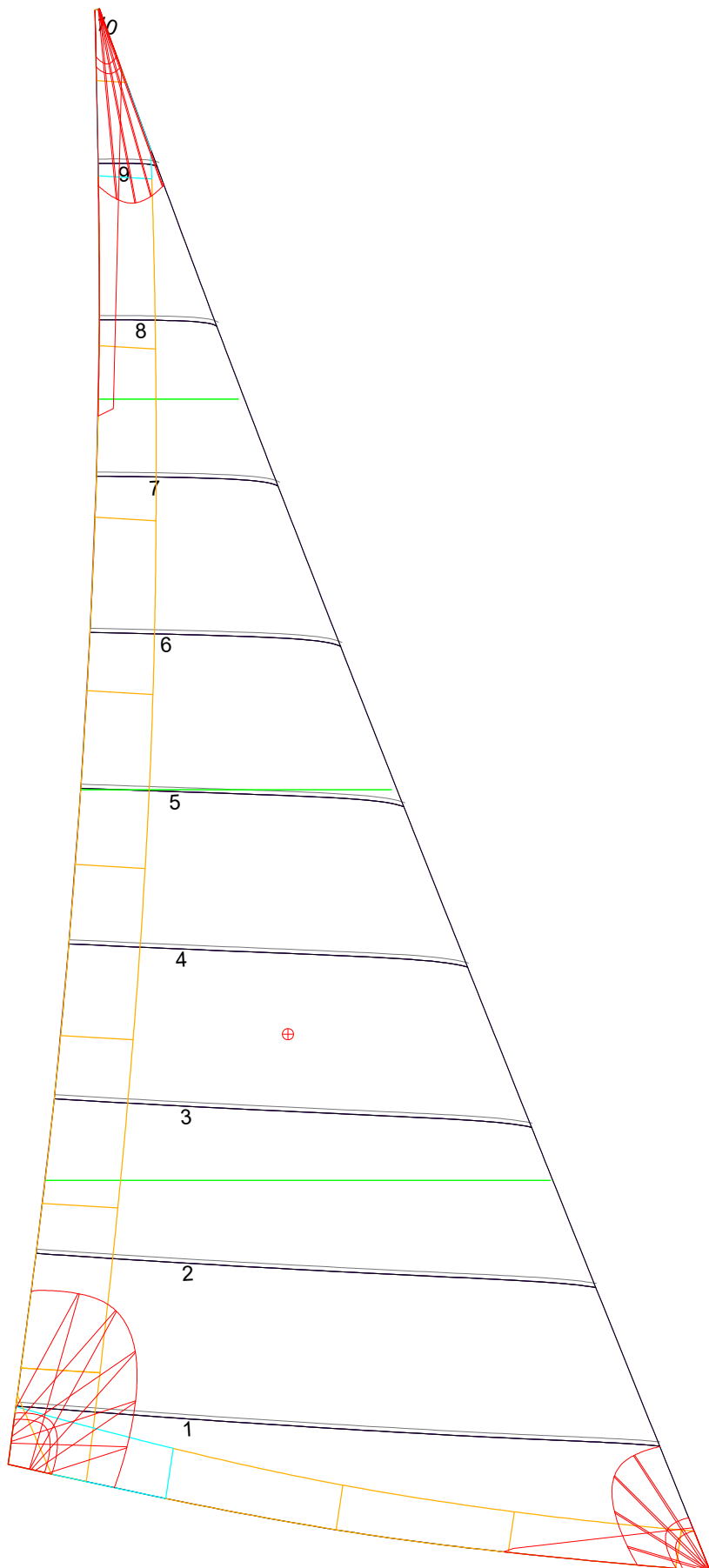
13.956m,	0.000m
12.796m,	0.047m
11.514m,	0.086m
10.385m,	0.105m
9.072m,	0.113m
6.945m,	0.099m
4.536m,	0.067m
2.359m,	0.034m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.292m])

100% (13.956m) :	0.000m	-0.000m
90% (12.560m) :	-0.053m	-0.011m
80% (11.167m) :	-0.092m	-0.012m
70% (9.770m) :	-0.112m	-0.003m
60% (8.375m) :	-0.116m	0.012m
50% (6.979m) :	-0.107m	0.026m
40% (5.583m) :	-0.091m	0.036m
30% (4.187m) :	-0.070m	0.039m
20% (2.792m) :	-0.048m	0.036m
10% (1.394m) :	-0.025m	0.024m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1	0.035m	0.035m	0.035m
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	26.09
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	35.29	1,2,3,4,5 6,7,8,9,10