

Genoa: 8001109 Wiebe-2 Prout 37 HeadsailV1.des

Design Info
=====

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

Initial Design Date: 4/12/2024
Boat:
Prout 37
Client:

Comments:

Design Data
=====

Genoa

Measurements

Luff geodesic: 13.959m
Leech geodesic: 12.587m
Foot geodesic: 5.960m
Headboard width: 0.040m
Luff perpendicular (HLP): 5.409m
Upper width (HUW): 0.598m
Three-quarter width (HTW): 1.189m
Half width (HHW): 2.499m
Quarter width (HQW): 3.913m
Foot median: 13.097m
ORC Headsail area: 36.190m?
IRC Headsail area: 36.118m?
Surface area: 36.355m?
Forestay height: 14.480m
J: 5.660m

Draft Stripes

1, Luff: 3.509m ; Leech: 2.790m ;
2, Luff: 7.018m ; Leech: 6.051m ;
3, Luff: 10.508m ; Leech: 9.289m ;

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

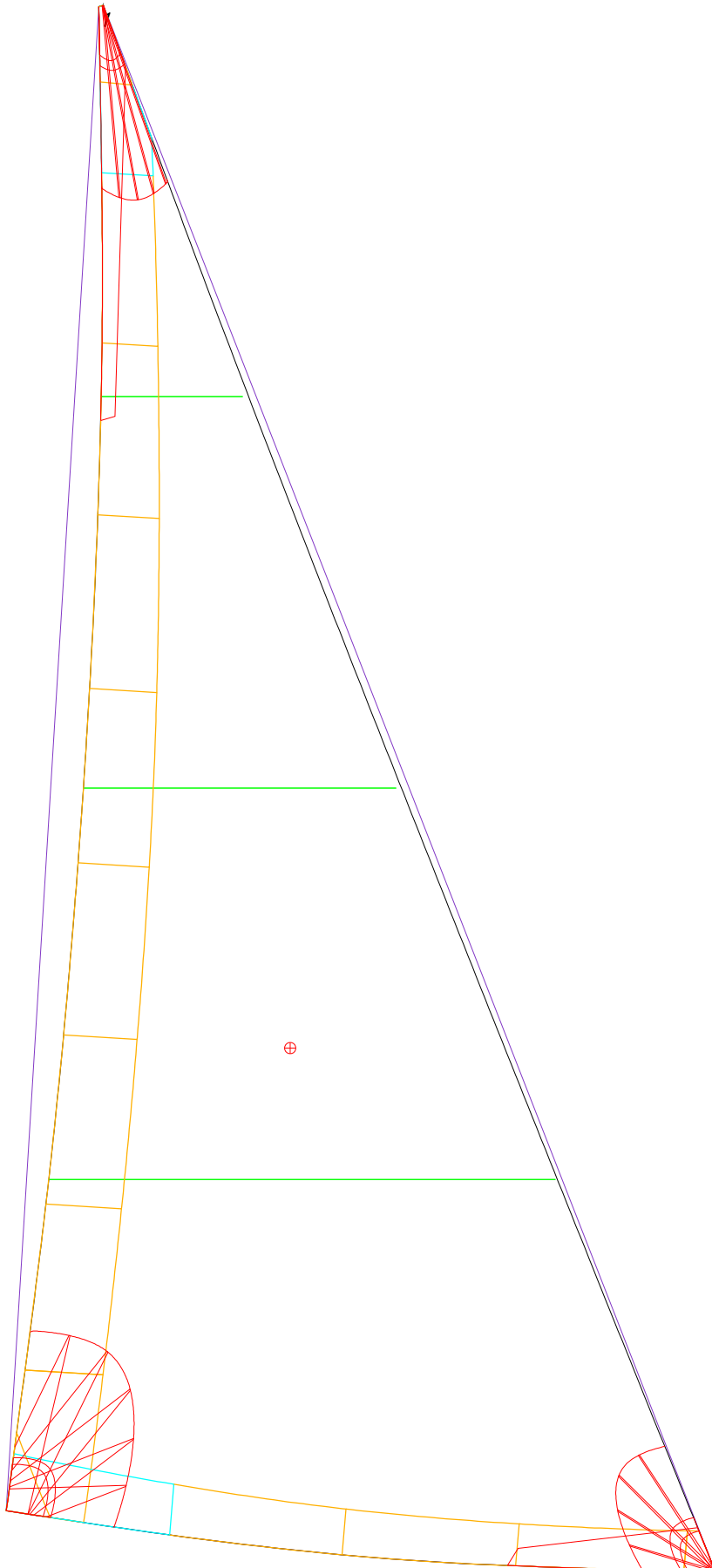
Fanned Luff (@ 5.00% [0.294m])

100% (13.957m) : -0.000m
90% (12.560m) : -0.052m
80% (11.167m) : -0.090m
70% (9.770m) : -0.109m
60% (8.375m) : -0.112m
50% (6.979m) : -0.104m
40% (5.583m) : -0.088m
30% (4.187m) : -0.068m
20% (2.792m) : -0.047m
10% (1.394m) : -0.024m
0% (0.000m) : 0.000m

Before BSeam

0.000m
-0.010m
-0.012m
-0.003m
0.011m
0.025m
0.034m
0.037m
0.034m
0.022m
0.000m

Genoa: 8001109 Wiebe-2 Prout 37 HeadsailV1.des



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	0.00
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	38.25	1