

Genoa: 7000814 Hans Headsail.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need to be Confirmed\7000814 Hans\7000

Initial Design Date: 4/10/2023
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	14.670m
Leech geodesic:	14.274m
Foot geodesic:	7.101m
Headboard width:	0.035m
Luff perpendicular (HLP):	6.825m
Upper width (HUW):	0.754m
Three-quarter width (HTW):	1.517m
Half width (HHW):	3.182m
Quarter width (HQW):	4.984m
Foot median:	14.328m
ORC Headsail area:	48.261m?
IRC Headsail area:	48.090m?
Surface area:	48.910m?
Forestay height:	15.650m
J:	4.550m

Draft Stripes

- 1, Luff: 3.683m ; Leech: 3.492m ;
- 2, Luff: 7.365m ; Leech: 7.103m ;
- 3, Luff: 11.033m ; Leech: 10.661m ;

Luff Curve

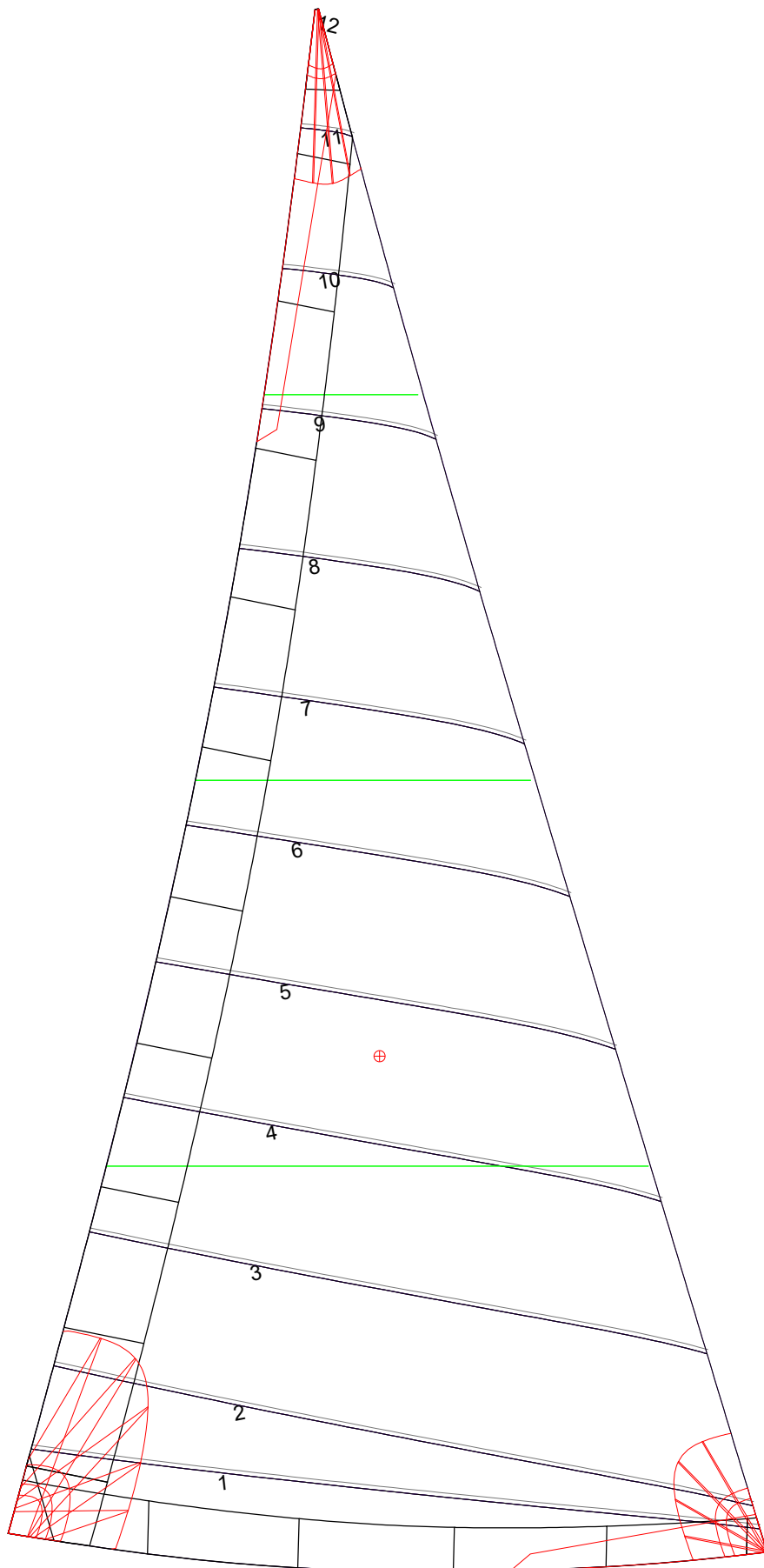
14.667m,	0.000m
13.448m,	0.050m
12.100m,	0.090m
10.914m,	0.111m
9.534m,	0.119m
7.299m,	0.104m
4.767m,	0.071m
2.479m,	0.035m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.346m])

100% (14.667m) :	-0.000m	-0.000m
90% (13.199m) :	-0.056m	-0.009m
80% (11.736m) :	-0.097m	-0.006m
70% (10.268m) :	-0.117m	0.008m
60% (8.801m) :	-0.118m	0.029m
50% (7.334m) :	-0.107m	0.049m
40% (5.867m) :	-0.090m	0.064m
30% (4.400m) :	-0.069m	0.068m
20% (2.934m) :	-0.046m	0.058m
10% (1.466m) :	-0.024m	0.034m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1	0.038m	0.038m	0.038m
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	41.87
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	48.99	1,2,3,4,5 6,7,8,9,10 11,12