

Genoa: 7001111 Jason Headsail.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need to be Confirmed\7001111 Jason\700

Initial Design Date: 25/11/2023
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	10.650m
Leech geodesic:	10.500m
Foot geodesic:	5.380m
Headboard width:	0.030m
Luff perpendicular (HLP):	5.197m
Upper width (HUW):	0.577m
Three-quarter width (HTW):	1.159m
Half width (HHW):	2.426m
Quarter width (HQW):	3.798m
Foot median:	10.453m
ORC Headsail area:	26.708m?
IRC Headsail area:	26.612m?
Surface area:	27.065m?
Forestay height:	10.470m
J:	3.200m

Draft Stripes

- 1, Luff: 3.530m ; Leech: 3.539m ;
- 2, Luff: 7.054m ; Leech: 6.961m ;

Luff Curve

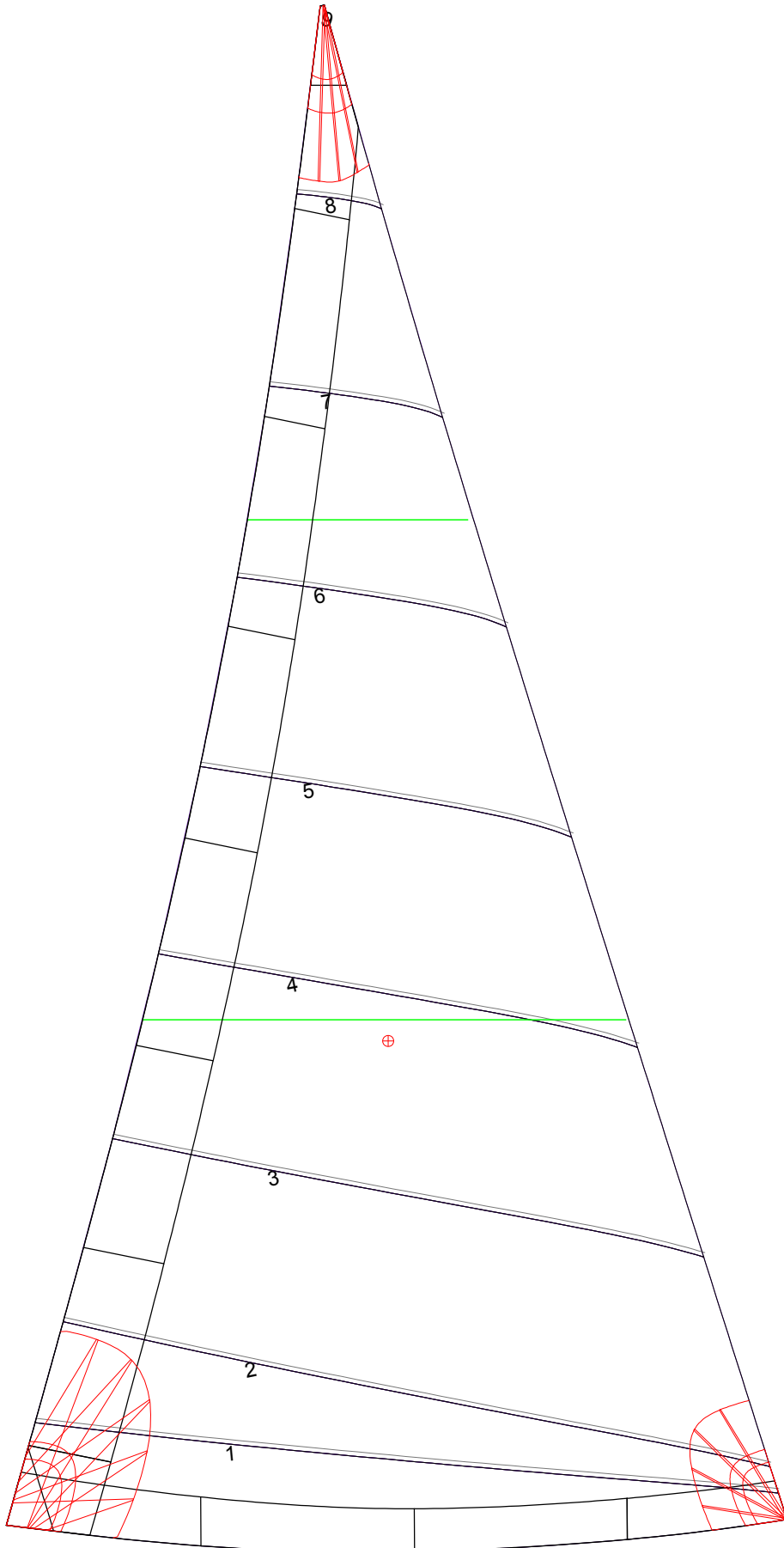
10.648m,	0.000m
9.763m,	0.036m
8.785m,	0.065m
7.923m,	0.080m
6.921m,	0.086m
5.299m,	0.076m
3.461m,	0.051m
1.800m,	0.026m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.263m])

100% (10.648m) :	0.000m	-0.000m
90% (9.582m) :	-0.040m	-0.006m
80% (8.520m) :	-0.069m	-0.003m
70% (7.454m) :	-0.083m	0.008m
60% (6.390m) :	-0.084m	0.024m
50% (5.324m) :	-0.076m	0.039m
40% (4.260m) :	-0.064m	0.050m
30% (3.194m) :	-0.049m	0.052m
20% (2.130m) :	-0.033m	0.044m
10% (1.064m) :	-0.017m	0.026m
0% (0.000m) :	-0.000m	0.000m

Before BSeam

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Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1	0.030m	0.030m	0.030m
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	24.39
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	27.12	1,2,3,4,5 6,7,8,9