

Genoa: 8000414 Zoltan Lagoon 380 Headsail.des

Design Info

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Design File:

\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000414 Zoltan Lagoon 380 Headsail.des

Initial Design Date: 16/4/2024

Boat:

Lagoon 380

Client:

Comments:

Design Data

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Genoa

Measurements

Luff geodesic:	12.800m
Leech geodesic:	11.348m
Foot geodesic:	5.412m
Headboard width:	0.045m
Luff perpendicular (HLP):	4.830m
Upper width (HUW):	0.525m
Three-quarter width (HTW):	1.035m
Half width (HHW):	2.214m
Quarter width (HQW):	3.492m
Foot median:	11.891m
ORC Headsail area:	29.509m ²
IRC Headsail area:	29.409m ²
Surface area:	29.602m ²
Forestay height:	12.980m
J:	3.450m

Draft Stripes

1, Luff: 3.212m ; Leech: 1.913m ;
2, Luff: 6.424m ; Leech: 5.075m ;
3, Luff: 9.624m ; Leech: 8.184m ;

Luff Curve

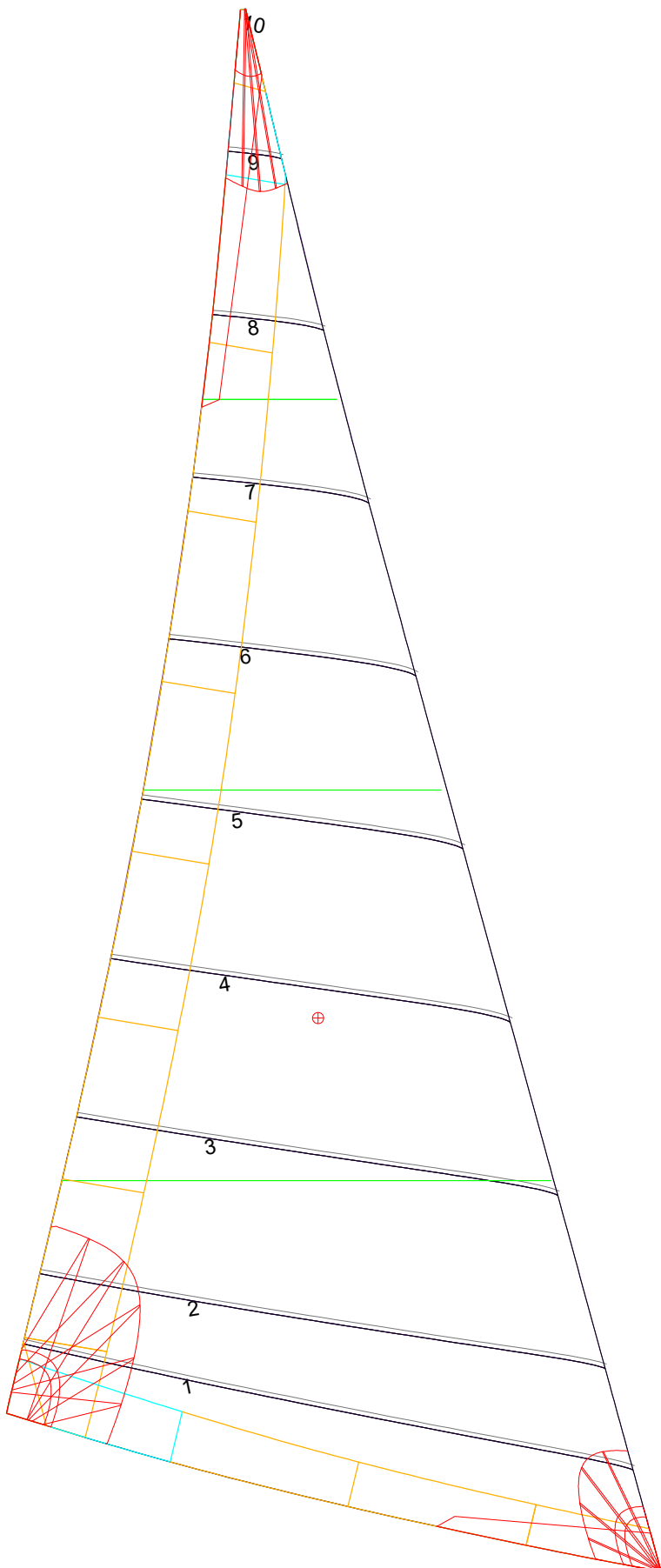
12.797m,	0.000m
11.734m,	0.043m
10.558m,	0.079m
9.522m,	0.097m
8.319m,	0.103m
6.368m,	0.091m
4.159m,	0.062m
2.163m,	0.031m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.259m])

100% (12.797m) :	-0.000m	0.000m
90% (11.518m) :	-0.051m	-0.020m
80% (10.239m) :	-0.093m	-0.031m
70% (8.959m) :	-0.110m	-0.018m
60% (7.679m) :	-0.109m	0.007m
50% (6.399m) :	-0.098m	0.026m
40% (5.119m) :	-0.081m	0.037m
30% (3.839m) :	-0.062m	0.042m
20% (2.560m) :	-0.041m	0.038m
10% (1.279m) :	-0.021m	0.021m
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	24.82
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	29.68	1,2,3,4,5 6,7,8,9,10