

Genoa: 7000612 Joao-2 Headsail.des

Design Info
=====

Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\7000612 Joao ma

Initial Design Date: 13/4/2024
Boat:

Comments:

Client:

Design Data
=====

Genoa

Measurements

Luff geodesic:	7.330m
Leech geodesic:	7.080m
Foot geodesic:	3.730m
Headboard width:	0.025m
Luff perpendicular (HLP):	3.556m
Upper width (HUW):	0.396m
Three-quarter width (HTW):	0.790m
Half width (HHW):	1.672m
Quarter width (HQW):	2.603m
Foot median:	7.071m
ORC Headsail area:	12.604m?
IRC Headsail area:	12.562m?
Surface area:	12.696m?
Forestay height:	7.660m
J:	2.630m

Draft Stripes

- 1, Luff: 2.431m ; Leech: 2.350m ;
- 2, Luff: 4.858m ; Leech: 4.668m ;

Luff Curve

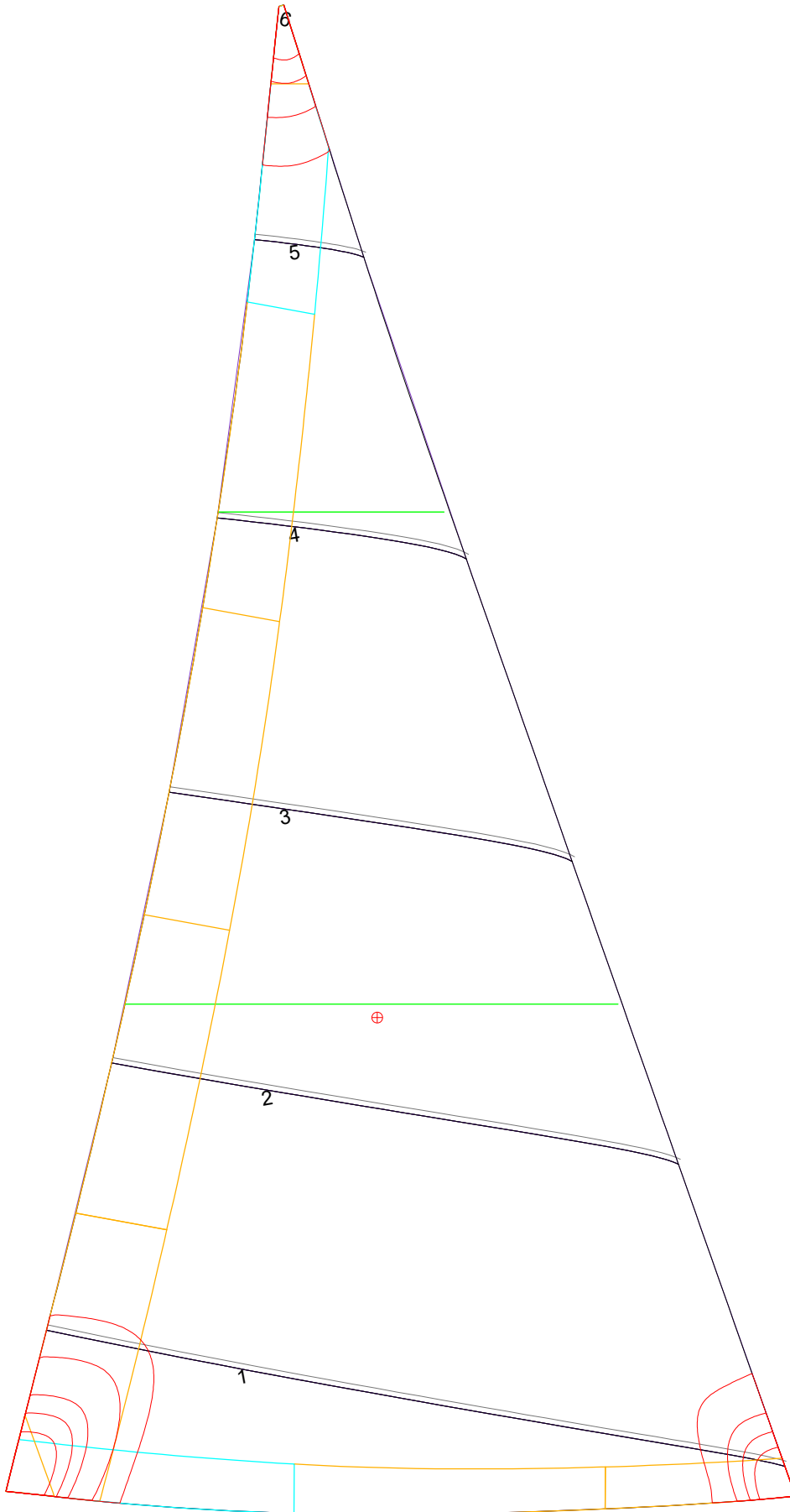
7.329m,	0.000m
6.720m,	0.025m
6.046m,	0.045m
5.453m,	0.055m
4.764m,	0.059m
3.647m,	0.052m
2.382m,	0.035m
1.239m,	0.018m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.184m])

100% (7.329m) :	0.000m	0.000m
90% (6.595m) :	-0.028m	-0.009m
80% (5.864m) :	-0.051m	-0.013m
70% (5.130m) :	-0.059m	-0.003m
60% (4.398m) :	-0.057m	0.014m
50% (3.665m) :	-0.051m	0.025m
40% (2.932m) :	-0.042m	0.030m
30% (2.199m) :	-0.032m	0.032m
20% (1.466m) :	-0.022m	0.027m
10% (0.732m) :	-0.011m	0.015m
0% (0.000m) :	0.000m	0.000m

Before BSeam

Genoa: 7000612 Joao-2 Headsail.des



Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1	0.025m	0.025m	0.025m
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	10.11
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	12.74	1,2,3,4,5 6