

Genoa: 7000714 Yorgos-2 Headsail.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need to be Confirmed\7000714 Yorgos\70

Initial Design Date: 23/9/2023
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	20.268m
Leech geodesic:	19.386m
Foot geodesic:	9.290m
Headboard width:	0.035m
Luff perpendicular (HLP):	8.854m
Upper width (HUW):	0.950m
Three-quarter width (HTW):	1.924m
Half width (HHW):	4.072m
Quarter width (HQW):	6.426m
Foot median:	19.567m
ORC Headsail area:	85.835m?
IRC Headsail area:	85.530m?
Surface area:	86.348m?
Forestay height:	20.242m
J:	6.325m

Draft Stripes

1, Luff: 5.090m ; Leech: 4.687m ;
2, Luff: 10.178m ; Leech: 9.604m ;
3, Luff: 15.246m ; Leech: 14.457m ;

Luff Curve

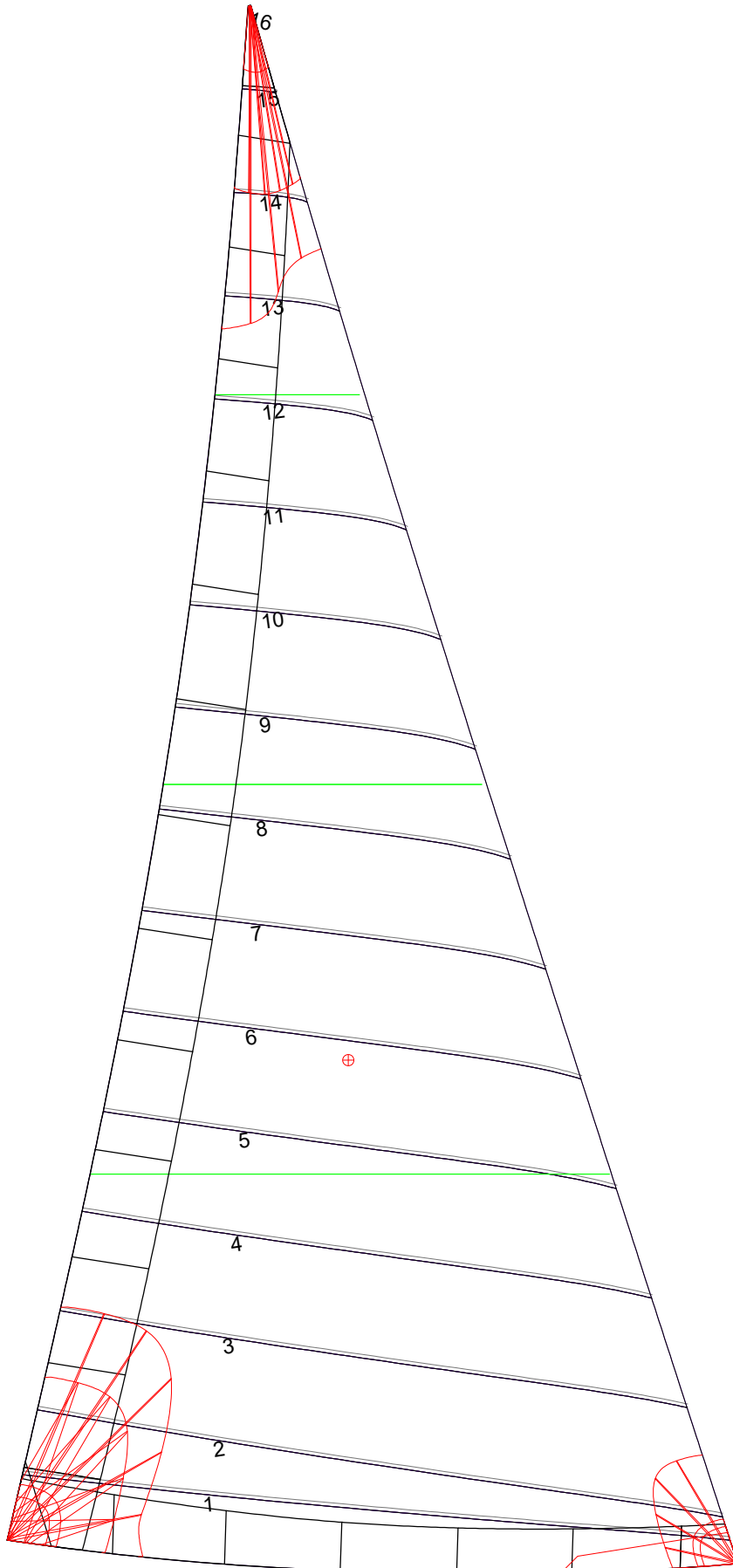
20.264m,	0.000m
18.580m,	0.069m
16.718m,	0.124m
15.078m,	0.153m
13.172m,	0.164m
10.084m,	0.144m
6.586m,	0.098m
3.425m,	0.049m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.453m])

100% (20.264m) :	-0.000m	0.000m
90% (18.236m) :	-0.078m	-0.017m
80% (16.215m) :	-0.133m	-0.015m
70% (14.186m) :	-0.160m	0.002m
60% (12.160m) :	-0.161m	0.030m
50% (10.133m) :	-0.145m	0.058m
40% (8.106m) :	-0.122m	0.078m
30% (6.079m) :	-0.093m	0.085m
20% (4.054m) :	-0.062m	0.074m
10% (2.025m) :	-0.031m	0.045m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1	0.045m	0.045m	0.045m
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	71.61
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	86.47	1,2,3,4,5 6,7,8,9,10 11,12,13,14,15 16