

Genoa: 7001102 Sergio -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\7001102 Sergio\700

Initial Design Date: 22/11/2023
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	11.385m
Leech geodesic:	10.832m
Foot geodesic:	4.267m
Headboard width:	0.030m
Luff perpendicular (HLP):	4.070m
Upper width (HUW):	0.454m
Three-quarter width (HTW):	0.899m
Half width (HHW):	1.873m
Quarter width (HQW):	2.944m
Foot median:	11.026m
ORC Headsail area:	22.202m?
IRC Headsail area:	22.148m?
Surface area:	22.280m?
Forestay height:	11.800m
J:	3.700m

Draft Stripes

- 1, Luff: 3.770m ; Leech: 3.526m ;
- 2, Luff: 7.535m ; Leech: 7.113m ;

Luff Curve

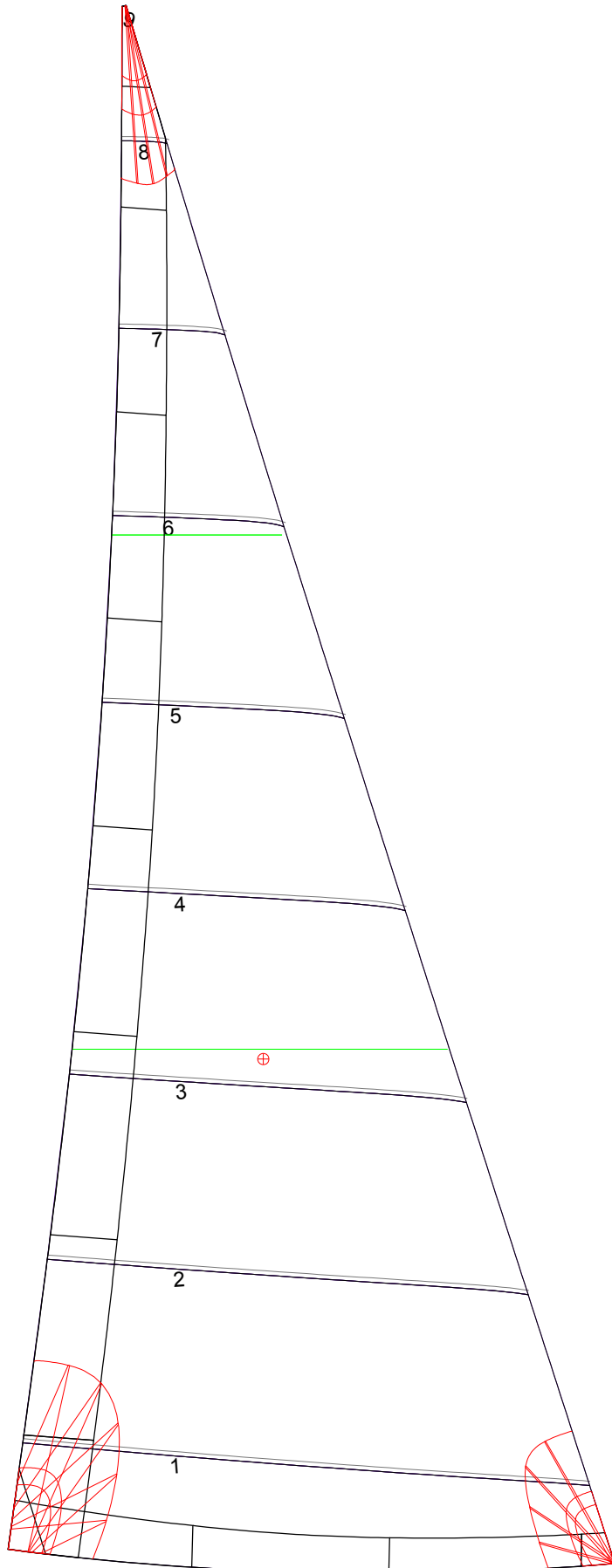
11.384m,	0.000m
10.438m,	0.029m
9.392m,	0.052m
8.471m,	0.064m
7.400m,	0.068m
5.665m,	0.060m
3.700m,	0.041m
1.924m,	0.020m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.211m])

100% (11.384m) :	0.000m	-0.000m
90% (10.245m) :	-0.029m	-0.002m
80% (9.108m) :	-0.051m	-0.000m
70% (7.969m) :	-0.062m	0.006m
60% (6.831m) :	-0.065m	0.015m
50% (5.692m) :	-0.061m	0.024m
40% (4.554m) :	-0.052m	0.029m
30% (3.415m) :	-0.041m	0.029m
20% (2.277m) :	-0.028m	0.026m
10% (1.138m) :	-0.015m	0.017m
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	16.85
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	22.34	1,2,3,4,5 6,7,8,9