

Genoa: 7000520 Andrea-2 Headsail.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need Confrim Order\7000520 Andrea\7000520

Initial Design Date: 27/7/2023
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	11.583m
Leech geodesic:	11.300m
Foot geodesic:	4.400m
Headboard width:	0.030m
Luff perpendicular (HLP):	4.271m
Upper width (HUW):	0.469m
Three-quarter width (HTW):	0.933m
Half width (HHW):	1.971m
Quarter width (HQW):	3.099m
Foot median:	11.374m
ORC Headsail area:	23.710m?
IRC Headsail area:	23.635m?
Surface area:	23.838m?
Forestay height:	11.900m
J:	3.700m

Draft Stripes

1, Luff: 3.840m ; Leech: 3.854m ;
2, Luff: 7.673m ; Leech: 7.505m ;

Luff Curve

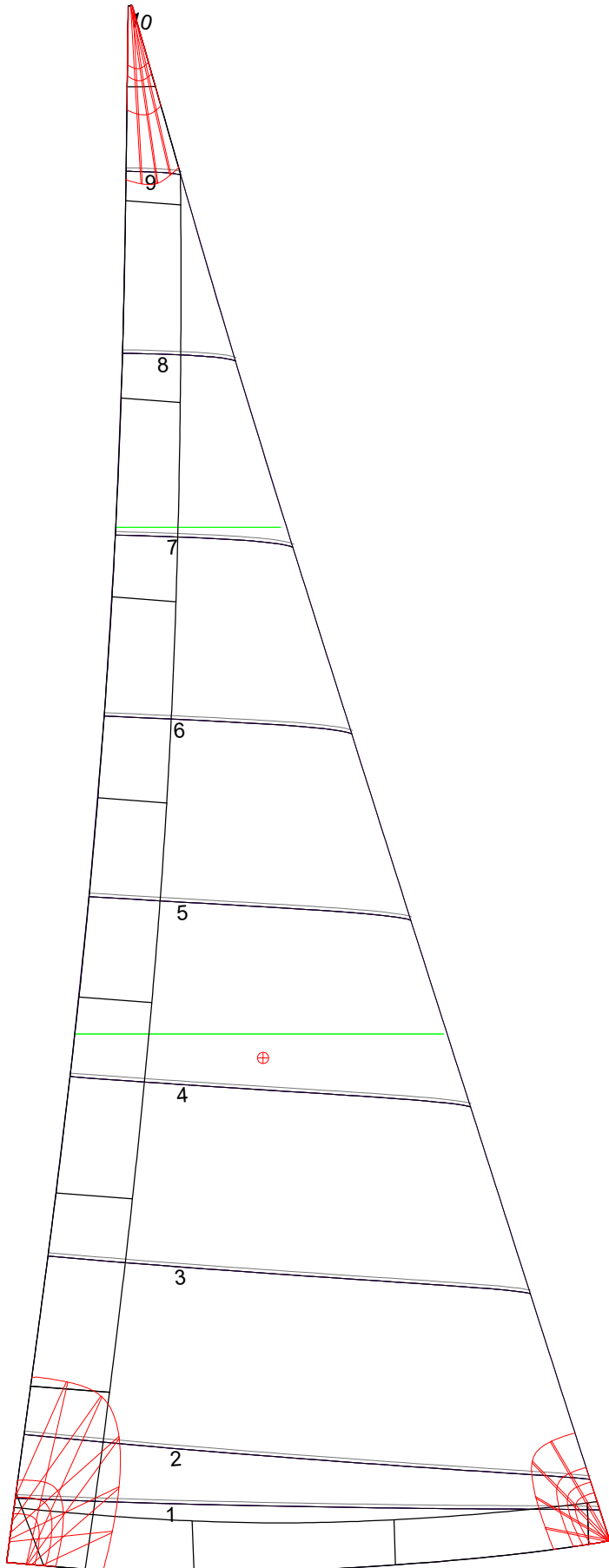
11.581m,	0.000m
10.619m,	0.039m
9.554m,	0.071m
8.617m,	0.087m
7.528m,	0.094m
5.763m,	0.082m
3.764m,	0.056m
1.957m,	0.028m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.217m])

100% (11.581m) :	0.000m	-0.000m
90% (10.421m) :	-0.041m	-0.012m
80% (9.267m) :	-0.075m	-0.018m
70% (8.107m) :	-0.090m	-0.010m
60% (6.949m) :	-0.090m	0.006m
50% (5.791m) :	-0.082m	0.016m
40% (4.633m) :	-0.069m	0.022m
30% (3.474m) :	-0.053m	0.026m
20% (2.317m) :	-0.036m	0.025m
10% (1.157m) :	-0.019m	0.016m
0% (0.000m) :	-0.000m	0.000m

Before BSeam

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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	22.03
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	23.91	1,2,3,4,5 6,7,8,9,10