

Genoa: 7000307 Matteo-2 Headsail.des

Design Info

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Design File:

\\Nas\工程部-专用文件\Queenie-跟进客户\Fareast Sails\2023 Order\Need Confrim Order\7000307 Matteo\7000307 Ma

Initial Design Date: 5/4/2023

Boat:

Client:

Comments:

Design Data

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Genoa

Measurements

Luff geodesic:	13.662m
Leech geodesic:	12.878m
Foot geodesic:	6.116m
Headboard width:	0.035m
Luff perpendicular (HLP):	5.759m
Upper width (HUW):	0.641m
Three-quarter width (HTW):	1.276m
Half width (HHW):	2.659m
Quarter width (HQW):	4.167m
Foot median:	13.107m
ORC Headsail area:	37.729m?
IRC Headsail area:	37.657m?
Surface area:	37.971m?
Forestay height:	14.060m
J:	4.430m

Draft Stripes

1, Luff: 4.529m ; Leech: 4.036m ;
2, Luff: 9.051m ; Leech: 8.375m ;

Luff Curve

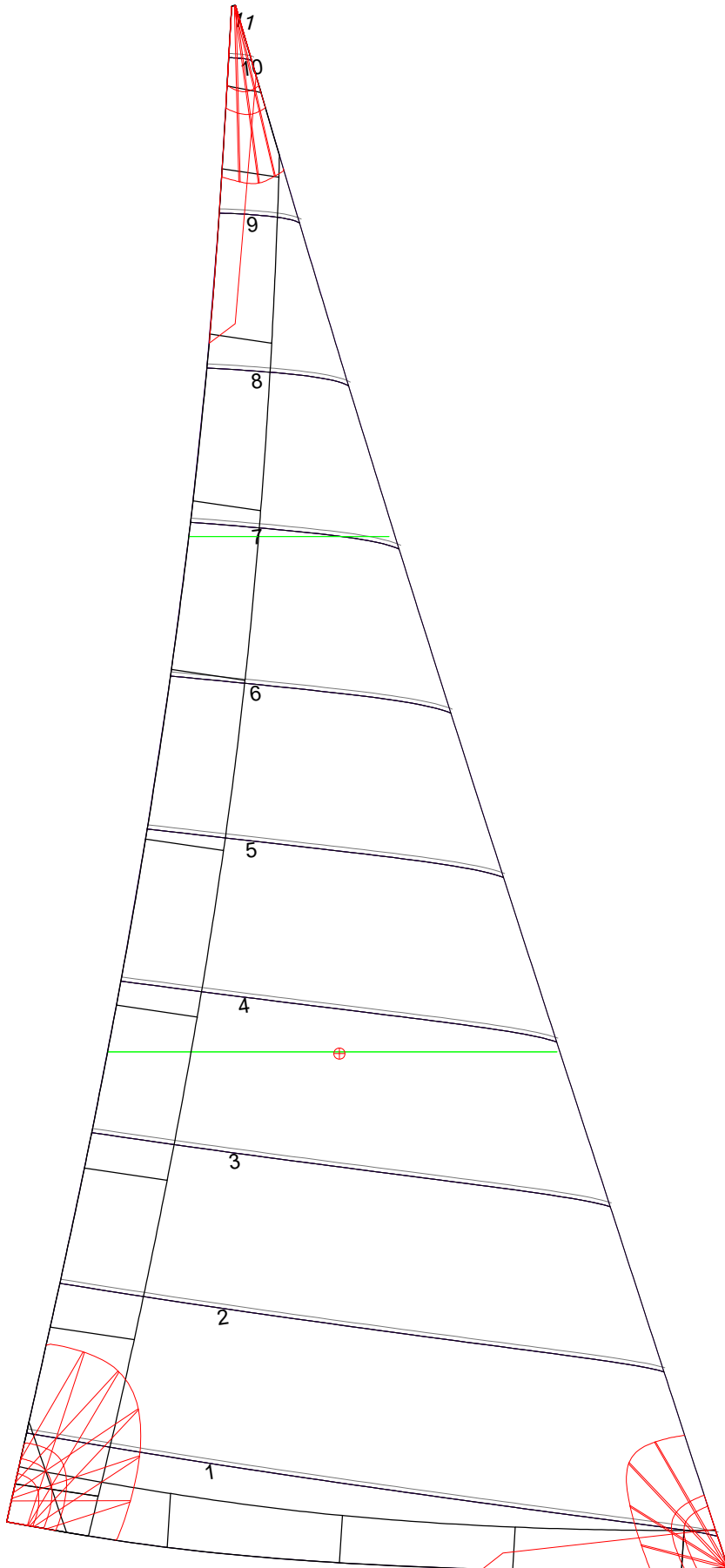
13.659m,	0.000m
12.524m,	0.046m
11.269m,	0.084m
10.164m,	0.103m
8.879m,	0.110m
6.797m,	0.097m
4.439m,	0.066m
2.309m,	0.033m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.301m])

100% (13.660m) :	0.000m	0.000m
90% (12.293m) :	-0.050m	-0.003m
80% (10.929m) :	-0.087m	0.000m
70% (9.562m) :	-0.106m	0.008m
60% (8.197m) :	-0.109m	0.016m
50% (6.830m) :	-0.100m	0.025m
40% (5.464m) :	-0.083m	0.031m
30% (4.098m) :	-0.063m	0.032m
20% (2.733m) :	-0.042m	0.028m
10% (1.365m) :	-0.021m	0.020m
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	0.070m
Cover 2	0.000m	0.070m	0.070m
Cover 3	0.000m	0.070m	0.070m

Total Seam Lengths (m)

Horizontal	29.37
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	38.07	1,2,3,4,5 6,7,8,9,10 11