

Genoa: 7000310 Knut 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\7000310 Knut\7000310 Knut

Initial Design Date: 16/3/2023

Boat:

Client:

Comments:

Design Data

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Genoa

Measurements

Luff geodesic:	9.700m
Leech geodesic:	9.105m
Foot geodesic:	4.604m
Headboard width:	0.035m
Luff perpendicular (HLP):	4.316m
Upper width (HUW):	0.488m
Three-quarter width (HTW):	0.963m
Half width (HHW):	1.999m
Quarter width (HQW):	3.129m
Foot median:	9.263m
ORC Headsail area:	20.127m ²
IRC Headsail area:	20.081m ²
Surface area:	20.273m ²
Forestay height:	10.340m
J:	3.320m

Draft Stripes

1, Luff: 3.216m ; Leech: 2.819m ;
2, Luff: 6.426m ; Leech: 5.902m ;

Luff Curve

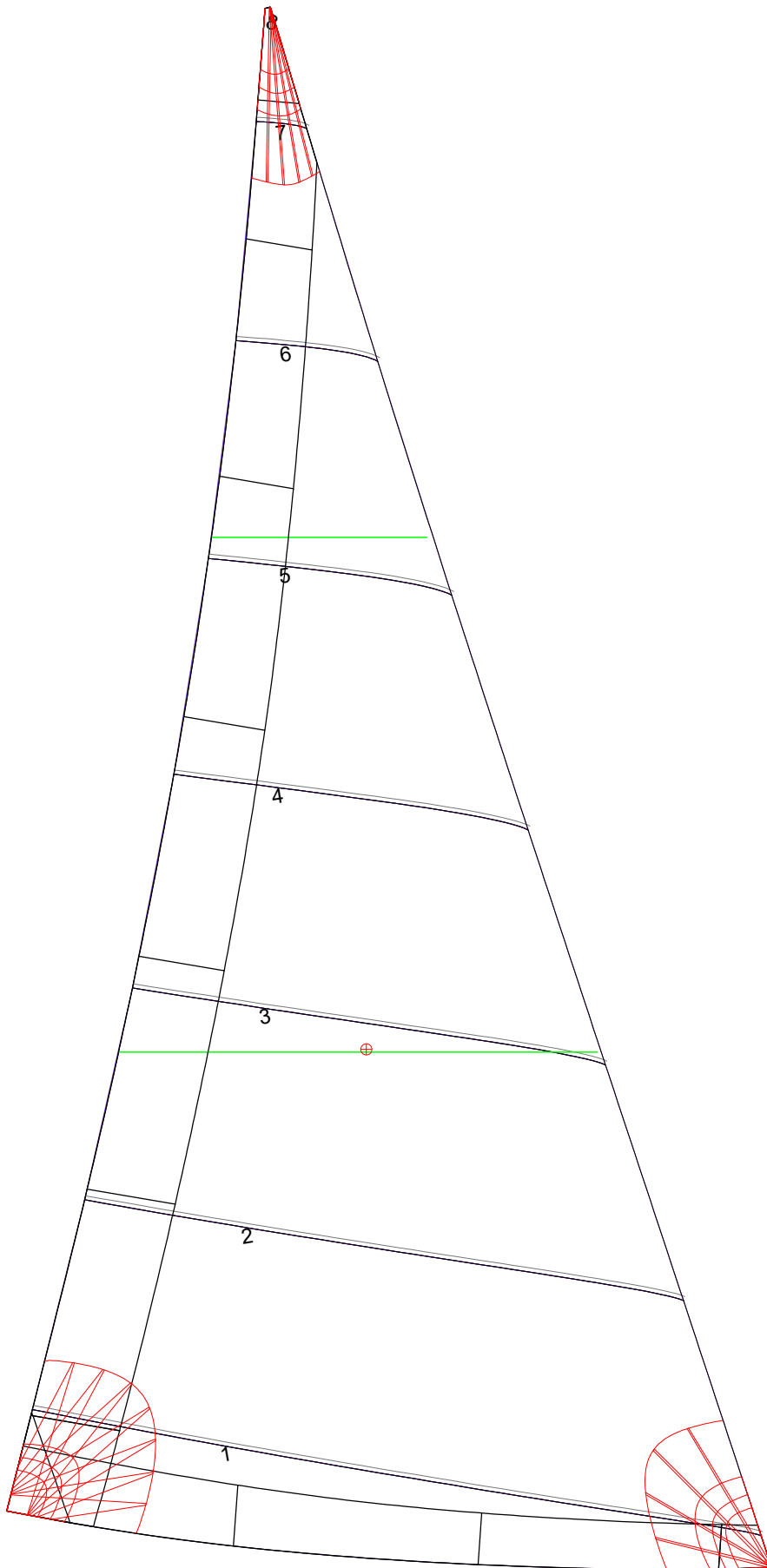
9.698m,	0.000m
8.892m,	0.033m
8.001m,	0.059m
7.216m,	0.073m
6.304m,	0.078m
4.826m,	0.069m
3.152m,	0.047m
1.639m,	0.023m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.226m])

100% (9.698m) :	0.000m	0.000m
90% (8.728m) :	-0.035m	-0.001m
80% (7.760m) :	-0.061m	0.001m
70% (6.789m) :	-0.074m	0.009m
60% (5.820m) :	-0.076m	0.019m
50% (4.849m) :	-0.070m	0.028m
40% (3.880m) :	-0.058m	0.033m
30% (2.910m) :	-0.044m	0.031m
20% (1.940m) :	-0.029m	0.027m
10% (0.969m) :	-0.015m	0.018m
0% (0.000m) :	-0.000m	0.000m

Before BSeam

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Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1	0.000m	0.000m	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	0.070m
Cover 2	0.000m	0.070m	0.070m
Cover 3	0.000m	0.070m	0.070m

Total Seam Lengths (m)

Horizontal	16.18
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	20.34	1,2,3,4,5 6,7,8