

Genoa: 7000603 Yoh-3 Yamaha 25 Headsail.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need Confrim Order\7000603 Yoh\7000603

Initial Design Date: 8/6/2023
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	8.197m
Leech geodesic:	8.200m
Foot geodesic:	4.080m
Headboard width:	0.030m
Luff perpendicular (HLP):	3.969m
Upper width (HUW):	0.455m
Three-quarter width (HTW):	0.900m
Half width (HHW):	1.862m
Quarter width (HQW):	2.898m
Foot median:	8.068m
ORC Headsail area:	15.748m?
IRC Headsail area:	15.708m?
Surface area:	15.836m?
Forestay height:	9.250m
J:	2.920m

Draft Stripes

- 1, Luff: 2.718m ; Leech: 2.863m ;
- 2, Luff: 5.430m ; Leech: 5.481m ;

Luff Curve

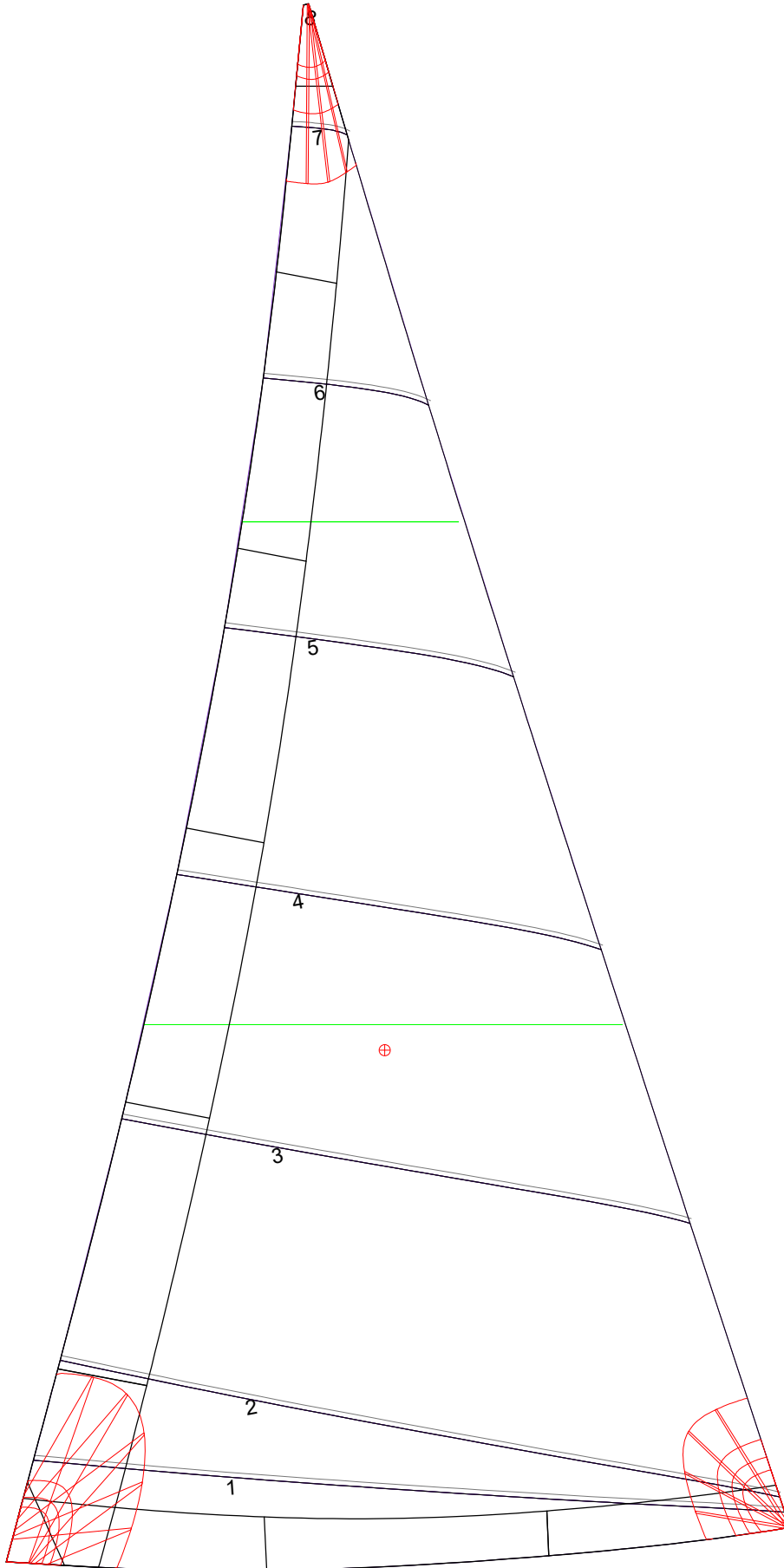
8.195m,	0.000m
7.514m,	0.028m
6.761m,	0.050m
6.098m,	0.062m
5.327m,	0.066m
4.078m,	0.058m
2.664m,	0.039m
1.385m,	0.020m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.201m])

100% (8.196m) :	0.000m	0.000m
90% (7.375m) :	-0.029m	0.003m
80% (6.558m) :	-0.051m	0.009m
70% (5.737m) :	-0.063m	0.015m
60% (4.918m) :	-0.065m	0.022m
50% (4.098m) :	-0.059m	0.028m
40% (3.278m) :	-0.050m	0.031m
30% (2.459m) :	-0.038m	0.030m
20% (1.640m) :	-0.026m	0.025m
10% (0.819m) :	-0.013m	0.015m
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	16.01
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	15.87	1,2,3,4,5 6,7,8