

Genoa: 7000617 Duncan -2 Headsail.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need Confrim Order\7000617 Duncan\700

Initial Design Date: 25/6/2023
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	12.078m
Leech geodesic:	11.485m
Foot geodesic:	5.928m
Headboard width:	0.030m
Luff perpendicular (HLP):	5.602m
Upper width (HUW):	0.633m
Three-quarter width (HTW):	1.262m
Half width (HHW):	2.619m
Quarter width (HQW):	4.083m
Foot median:	11.592m
ORC Headsail area:	32.669m?
IRC Headsail area:	32.594m?
Surface area:	32.919m?
Forestay height:	12.300m
J:	4.150m

Draft Stripes

- 1, Luff: 4.005m ; Leech: 3.687m ;
- 2, Luff: 8.003m ; Leech: 7.512m ;

Luff Curve

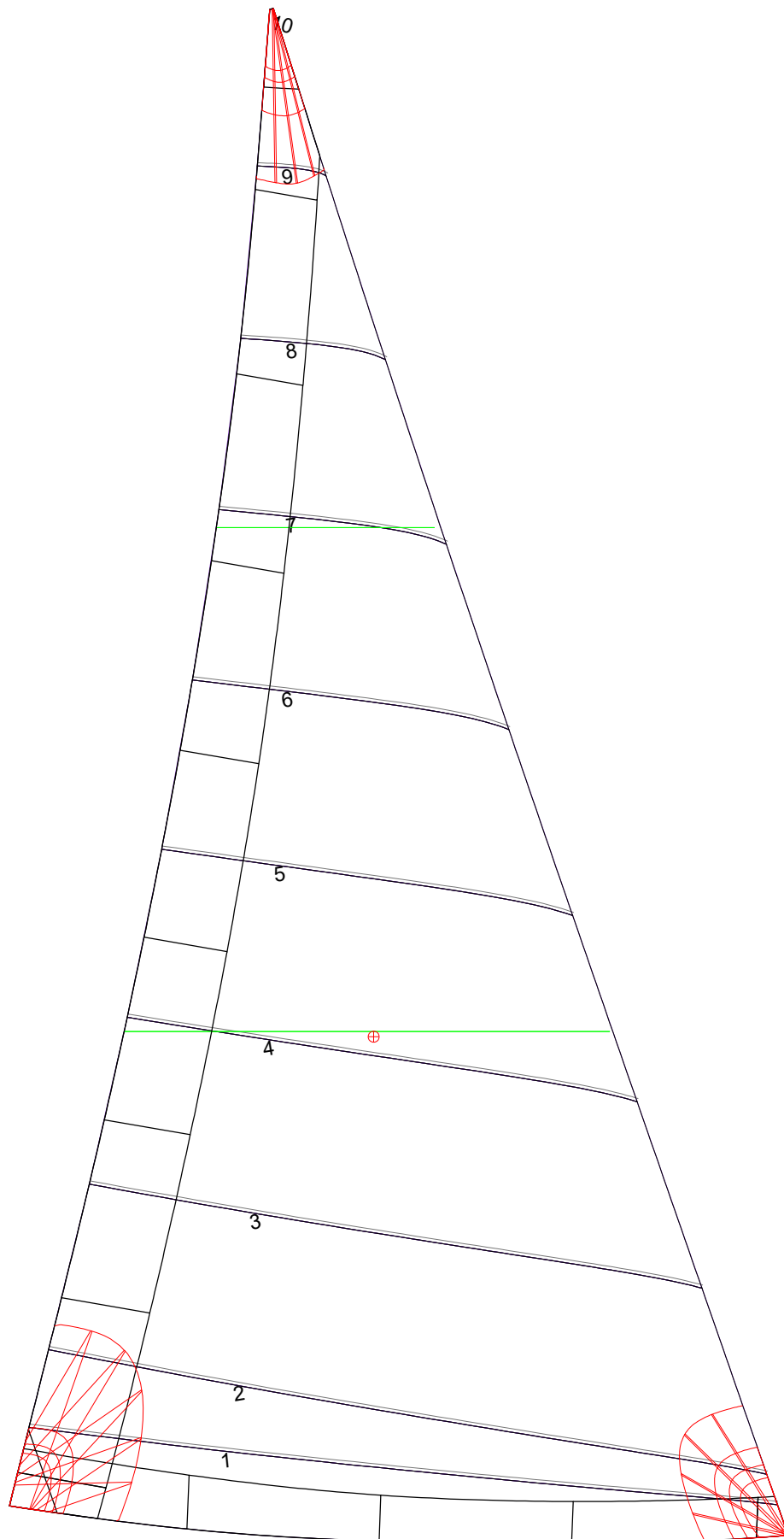
12.076m,	0.000m
11.072m,	0.041m
9.962m,	0.074m
8.985m,	0.091m
7.849m,	0.098m
6.009m,	0.086m
3.925m,	0.058m
2.041m,	0.029m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.292m])

100% (12.076m) :	-0.000m	0.000m
90% (10.867m) :	-0.044m	0.004m
80% (9.662m) :	-0.077m	0.013m
70% (8.454m) :	-0.094m	0.023m
60% (7.246m) :	-0.097m	0.033m
50% (6.038m) :	-0.089m	0.042m
40% (4.831m) :	-0.074m	0.047m
30% (3.623m) :	-0.057m	0.046m
20% (2.416m) :	-0.038m	0.038m
10% (1.206m) :	-0.019m	0.022m
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	29.66
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	32.98	1,2,3,4,5 6,7,8,9,10