

Genoa: 8001010 Graham Traditional 30 headsail.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8001010 Graham

Initial Design Date: 16/11/2024
Boat:
Traditional 30
Client:

Comments:

Design Data
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Genoa

Measurements

Luff geodesic:	9.752m
Leech geodesic:	9.700m
Foot geodesic:	5.820m
Headboard width:	0.035m
Luff perpendicular (HLP):	5.587m
Upper width (HUW):	0.658m
Three-quarter width (HTW):	1.310m
Half width (HHW):	2.698m
Quarter width (HQW):	4.135m
Foot median:	9.529m
ORC Headsail area:	26.747m?
IRC Headsail area:	26.683m?
Surface area:	27.223m?
Forestay height:	10.300m
J:	2.400m

Draft Stripes

1, Luff: 3.229m ; Leech: 2.908m ;
2, Luff: 6.449m ; Leech: 6.259m ;

Luff Curve

9.751m,	0.000m
7.796m,	0.041m
5.842m,	0.057m
3.891m,	0.052m
1.944m,	0.033m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.283m])

100% (9.751m) :	-0.000m	-0.000m
90% (8.776m) :	-0.021m	0.015m
80% (7.801m) :	-0.040m	0.029m
70% (6.826m) :	-0.053m	0.044m
60% (5.851m) :	-0.058m	0.058m
50% (4.876m) :	-0.058m	0.068m
40% (3.900m) :	-0.055m	0.071m
30% (2.925m) :	-0.048m	0.065m
20% (1.950m) :	-0.036m	0.051m
10% (0.974m) :	-0.019m	0.028m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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Seam Allowances			
Zone: 1	Split	Radial	Cross
	0.025m	0.025m	0.025m

Edge Excesses			
Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	23.45
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	27.27	1,2,3,4,5 6,7,8

