

Genoa: 7000606 Jeff Hughes29 Headsail.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need Confrim Order\7000606 Jeff\7000606

Initial Design Date: 7/6/2023
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	8.730m
Leech geodesic:	8.500m
Foot geodesic:	4.900m
Headboard width:	0.030m
Luff perpendicular (HLP):	4.664m
Upper width (HUW):	0.542m
Three-quarter width (HTW):	1.076m
Half width (HHW):	2.214m
Quarter width (HQW):	3.423m
Foot median:	8.419m
ORC Headsail area:	19.823m?
IRC Headsail area:	19.777m?
Surface area:	20.004m?
Forestay height:	10.150m
J:	3.350m

Draft Stripes

- 1, Luff: 2.895m ; Leech: 2.763m ;
- 2, Luff: 5.784m ; Leech: 5.579m ;

Luff Curve

8.728m,	0.000m
8.003m,	0.030m
7.201m,	0.054m
6.495m,	0.066m
5.674m,	0.071m
4.344m,	0.062m
2.837m,	0.042m
1.475m,	0.021m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.241m])

100% (8.728m) :	-0.000m	0.000m
90% (7.855m) :	-0.032m	0.008m
80% (6.984m) :	-0.056m	0.018m
70% (6.110m) :	-0.069m	0.028m
60% (5.238m) :	-0.071m	0.036m
50% (4.364m) :	-0.066m	0.042m
40% (3.492m) :	-0.055m	0.045m
30% (2.619m) :	-0.042m	0.043m
20% (1.746m) :	-0.029m	0.034m
10% (0.872m) :	-0.015m	0.020m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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

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

Total Seam Lengths (m)

Horizontal	19.72
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	20.04	1,2,3,4,5 6,7,8

