

Genoa: 8000239 Nathan 75ft schooner HeadsailV2.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000239 Nathan h

Initial Design Date: 8/5/2024
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	12.700m
Leech geodesic:	12.065m
Foot geodesic:	10.415m
Headboard width:	0.061m
Luff perpendicular (HLP):	9.388m
Upper width (HUW):	1.113m
Three-quarter width (HTW):	2.218m
Half width (HHW):	4.555m
Quarter width (HQW):	6.970m
Foot median:	11.679m
ORC Headsail area:	58.706m?
IRC Headsail area:	58.552m?
Surface area:	60.496m?
Forestay height:	13.106m
J:	6.706m

Luff Curve

12.699m,	0.000m
10.153m,	0.050m
7.608m,	0.068m
5.067m,	0.062m
2.531m,	0.039m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.512m])

100% (12.699m) :	0.000m	-0.000m
90% (11.428m) :	-0.026m	0.036m
80% (10.160m) :	-0.051m	0.071m
70% (8.889m) :	-0.066m	0.108m
60% (7.620m) :	-0.073m	0.138m
50% (6.349m) :	-0.075m	0.154m
40% (5.080m) :	-0.072m	0.153m
30% (3.809m) :	-0.063m	0.137m
20% (2.541m) :	-0.049m	0.108m
10% (1.268m) :	-0.027m	0.064m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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Seam Allowances

	Split	Radial	Cross
Zone: 1	0.040m	0.040m	0.040m
Zone: 2	0.040m	0.040m	0.040m
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	46.74
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	60.40	1\3,1\2,1\1,2\1,2\2 2\3,2\4,2\5,2\6,2\7

