

Genoa: 6000102 Shane-2.des

Design Info
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Design File:
E:\Dropbox\Fareast Sails\2022 Order\6000102 Shane\6000102 Shane-2.des

Initial Design Date: 7/1/2022
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	15.280m
Leech geodesic:	14.631m
Foot geodesic:	7.310m
Headboard width:	0.035m
Luff perpendicular (HLP):	6.925m
Upper width (HUW):	0.810m
Three-quarter width (HTW):	1.614m
Half width (HHW):	3.338m
Quarter width (HQW):	5.126m
Foot median:	14.768m
ORC Headsail area:	51.859m?
IRC Headsail area:	51.758m?
Surface area:	52.556m?
Forestay height:	15.570m
J:	5.130m

Luff Curve

15.279m,	0.000m
11.459m,	0.065m
7.640m,	0.087m
3.820m,	0.065m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.362m])		Before BSeam
100% (15.279m) :	0.000m	-0.000m
90% (13.750m) :	-0.027m	0.010m
80% (12.224m) :	-0.051m	0.021m
70% (10.695m) :	-0.070m	0.033m
60% (9.167m) :	-0.082m	0.042m
50% (7.639m) :	-0.087m	0.044m
40% (6.111m) :	-0.084m	0.040m
30% (4.583m) :	-0.075m	0.033m
20% (3.056m) :	-0.058m	0.022m
10% (1.526m) :	-0.031m	0.009m
0% (0.000m) :	0.000m	0.000m

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Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1/a	0.038m	0.015m	0.038m
Zone: 1/b	0.038m	0.015m	0.038m
Zone: 2/a	0.038m	0.015m	0.038m
Zone: 2/b	0.038m	0.015m	0.038m
Zone: 3	0.038m	0.015m	0.038m
Cover 1	0.025m	0.025m	0.025m
Cover 2	0.025m	0.025m	0.025m

Edge Excesses

Sail:	Luff	Leech	Foot
Sail:	0.000m	0.000m	0.000m
Cover 0	0.050m	0.070m	0.070m
Cover 1	0.050m	0.070m	0.070m

Total Seam Lengths (m)

Horizontal	7.11
Radial/Vertical	166.30
Bi-Radial Split	10.06

Materials

Material	Area (m ²)	Panels
Material 1	52.66	1\1, 1\2, 1\3, 1\4, 1\5 1\6, 1\7, 1\8, 1\9, 1\10 1\11, 1\12, 1b\1, 1b\2, 1b\3 1b\4, 1b\5, 1b\6, 1b\7, 1b\8 1b\9, 1b\10, 1b\11, 1b\12, 2\1 2\2, 2\3, 2\4, 2\5, 2b\1 2b\2, 2b\3, 2b\4, 2b\5, 3\1 3\2, 3\3, 3\4, 3\5, 3\6

