

Genoa: 6001220 Paul-2 Jeanneau 45 jib 100% V2.des

Design Info
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Design File:
F:\Dropbox\Dropbox-20221019\Dropbox20221213\Dropbox\Fareast Sails\2023 Order\Need Confrim Order\6001220 Pa

Initial Design Date: 1/2/2023
Boat:
Jeanneau 45
Client:

Comments:
LP 100%%
if luff use 16.45m, it will much longer and over the top
pin of forstay,
tack height off deck 52cm.
clew height off deck 180cm

check luff please.

Design Data
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Genoa

Measurements

Luff geodesic:	15.800m
Leech geodesic:	13.941m
Foot geodesic:	5.302m
Headboard width:	0.035m
Luff perpendicular (HLP):	4.690m
Upper width (HUW):	0.551m
Three-quarter width (HTW):	1.073m
Half width (HHW):	2.187m
Quarter width (HQW):	3.414m
Foot median:	14.774m
ORC Headsail area:	35.832m?
IRC Headsail area:	35.751m?
Surface area:	36.001m?
Forestay height:	16.100m
J:	4.690m

Luff Curve

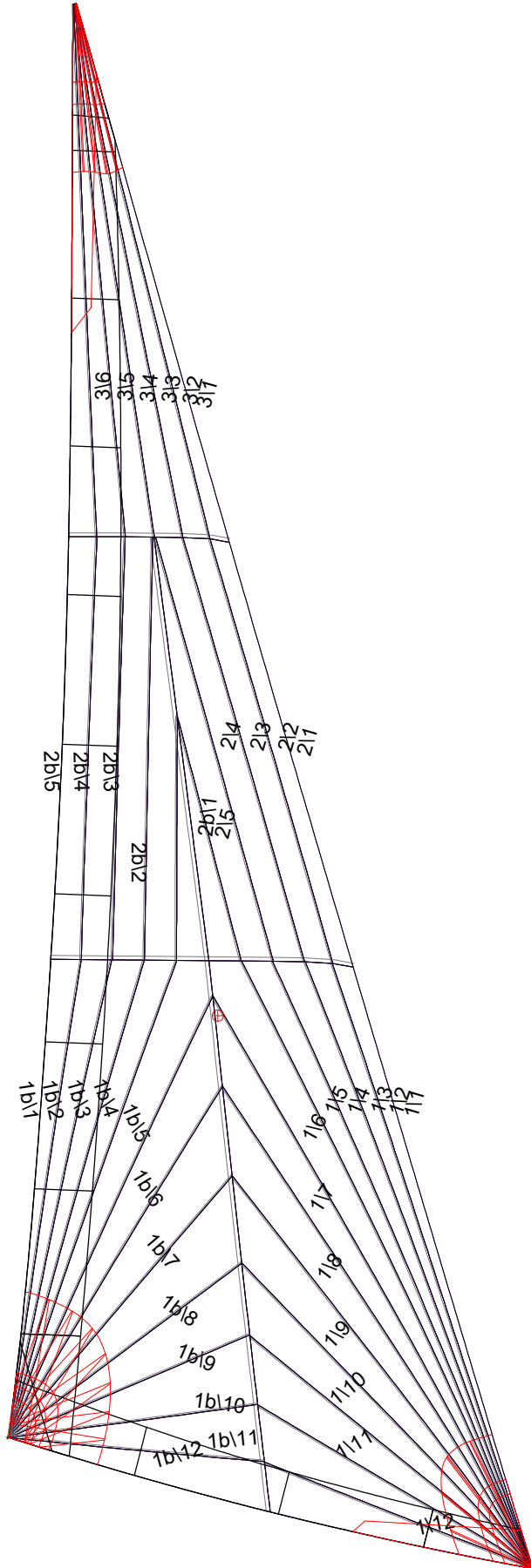
15.799m,	0.000m
12.631m,	0.055m
9.464m,	0.082m
6.304m,	0.075m
3.149m,	0.043m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.254m])

100% (15.799m) :	0.000m	-0.000m
90% (14.219m) :	-0.029m	0.010m
80% (12.639m) :	-0.057m	0.020m
70% (11.059m) :	-0.078m	0.034m
60% (9.479m) :	-0.089m	0.051m
50% (7.899m) :	-0.090m	0.069m
40% (6.319m) :	-0.083m	0.084m
30% (4.739m) :	-0.069m	0.092m
20% (3.160m) :	-0.050m	0.088m
10% (1.579m) :	-0.028m	0.061m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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Seam Allowances

	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
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	0.070m	0.070m
Cover 1	0.070m	0.070m	0.070m
Cover 2	0.000m	0.070m	0.070m
Cover 3	0.000m	0.070m	0.070m

Total Seam Lengths (m)

Horizontal	4.81
Radial/Vertical	154.71
Bi-Radial Split	9.91

Materials

Material	Area (m ²)	Panels
Material 1	36.05	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