

Genoa: 7000114 Elliott headsail.des

Design Info
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Design File:
F:\Dropbox\Dropbox-20221019\Dropbox20221213\Dropbox\Fareast Sails\2023 Order\Need Confrim Order\7000114 ELLIOTT

Initial Design Date: 31/1/2023
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	29.616Ft
Leech geodesic:	30.501Ft
Foot geodesic:	19.671Ft
Headboard width:	0.098Ft
Luff perpendicular (HLP):	18.986Ft
Upper width (HUW):	2.213Ft
Three-quarter width (HTW):	4.414Ft
Half width (HHW):	9.078Ft
Quarter width (HQW):	13.984Ft
Foot median:	29.177Ft
ORC Headsail area:	274.694Ft?
IRC Headsail area:	274.097Ft?
Surface area:	278.419Ft?
Forestay height:	41.580Ft
J:	12.250Ft

Draft Stripes

1, Luff: 9.815Ft ; Leech: 10.127Ft ;
2, Luff: 19.615Ft ; Leech: 20.147Ft ;

Luff Curve

		Fanned Luff (@ 5.00% [0.969Ft])	Before BSeam
29.610Ft,	0.000Ft	100% (29.612Ft) :	0.000Ft
27.150Ft,	0.100Ft	90% (26.649Ft) :	-0.099Ft
24.429Ft,	0.182Ft	80% (23.693Ft) :	-0.177Ft
22.033Ft,	0.223Ft	70% (20.729Ft) :	-0.217Ft
19.247Ft,	0.239Ft	60% (17.768Ft) :	-0.224Ft
14.735Ft,	0.210Ft	50% (14.806Ft) :	-0.207Ft
9.623Ft,	0.143Ft	40% (11.845Ft) :	-0.174Ft
5.005Ft,	0.071Ft	30% (8.883Ft) :	-0.133Ft
0.000Ft,	0.000Ft	20% (5.924Ft) :	-0.088Ft
		10% (2.959Ft) :	-0.044Ft
		0% (0.000Ft) :	-0.000Ft

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Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1	0.000Ft	0.000Ft	0.082Ft
Cover 1	0.082Ft	0.082Ft	0.082Ft
Cover 2	0.082Ft	0.082Ft	0.082Ft
Cover 3	0.000Ft	0.000Ft	0.000Ft
Cover 4	0.000Ft	0.000Ft	0.000Ft

Edge Excesses

Sail:	Luff	Leech	Foot
Sail:	0.000Ft	0.000Ft	0.000Ft
Cover 0	0.230Ft	0.230Ft	0.230Ft
Cover 1	0.230Ft	0.230Ft	0.230Ft
Cover 2	0.000Ft	0.230Ft	0.230Ft
Cover 3	0.000Ft	0.230Ft	0.230Ft

Total Seam Lengths (Ft)

Horizontal	74.96
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (Ft ²)	Panels
Material 1	279.23	1,2,3,4,5 6,7,8

