

Genoa: 7000421 Evgeny Fareast 26 140% VBT GenoaV3.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need Confrim Order\7000421 Evgeny\700

Initial Design Date: 2/5/2023
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	8.940m
Leech geodesic:	8.884m
Foot geodesic:	3.262m
Headboard width:	0.033m
Luff perpendicular (HLP):	3.220m
Upper width (HUW):	0.411m
Three-quarter width (HTW):	0.782m
Half width (HHW):	1.612m
Quarter width (HQW):	2.453m
Foot median:	8.867m
ORC Headsail area:	14.466m ²
IRC Headsail area:	14.372m ²
Surface area:	14.587m ²
Forestay height:	10.660m
J:	2.300m

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
77.000%	0.950m	-0.067m	159.378?	54.146m	6.812m	
52.000%	0.875m	-0.089m	159.378?	119.698m	4.600m	
27.000%	0.875m	-0.067m	159.378?	185.250m	2.388m	

Draft Stripes

1, Luff: 2.959m ; Leech: 2.946m ;
2, Luff: 5.914m ; Leech: 5.865m ;

Luff Curve

		Fanned Luff (@ 5.00% [0.161m])	Before BSeam
8.939m,	0.000m	100% (8.939m) :	-0.000m
8.196m,	0.028m	90% (8.045m) :	0.010m
7.374m,	0.050m	80% (7.152m) :	0.020m
6.651m,	0.062m	70% (6.257m) :	0.034m
5.810m,	0.066m	60% (5.364m) :	0.048m
4.448m,	0.058m	50% (4.470m) :	0.063m
2.905m,	0.039m	40% (3.576m) :	0.071m
1.511m,	0.020m	30% (2.682m) :	0.070m
0.000m,	0.000m	20% (1.788m) :	0.059m
		10% (0.893m) :	0.034m
		0% (0.000m) :	0.000m

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Seam Allowances

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

Edge Excesses

Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	3.03
Radial/Vertical	65.40
Bi-Radial Split	6.38

Materials

Material	Area (m ²)	Panels
Material 1	14.61	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1\9,1\10 1b\1,1b\2,1b\3,1b\4,1b\5 1b\6,1b\7,1b\8,1b\9,1b\10 2\1,2\2,2\3,2b\1,2b\2 2b\3,3\1,3\2,3\3,3\4

