

Genoa: 3000437 Alex headsail R2

Design Info
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Design File:
E:\Dropbox\Dropbox\Mike computer\Fareast Sails Production\2019\3000437 Alex\3000437 Alex headsail R2.des

Initial Design Date: 6/5/2019
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic: 14.670m
 Leech geodesic: 14.010m
 Foot geodesic: 4.700m
 Headboard width: 0.030m
 Luff perpendicular (HLP): 4.485m
 Upper width (HUW): 0.591m
 Three-quarter width (HTW): 1.161m
 Half width (HHW): 2.316m
 Quarter width (HQW): 3.416m
 Foot median: 14.314m
 ORC Headsail Area: 33.466m?
 IRC Headsail Area: 33.466m?
 Surface Area: 33.877m?

14.73m finished within webbing loop at head and tack

Battens

Position	Length	Roach	Angle	Full
80.000%	1.200m	0.031m	161.482?	
60.000%	1.600m	0.045m	161.482?	
40.000%	1.600m	0.039m	161.482?	
20.000%	1.400m	0.024m	161.482?	

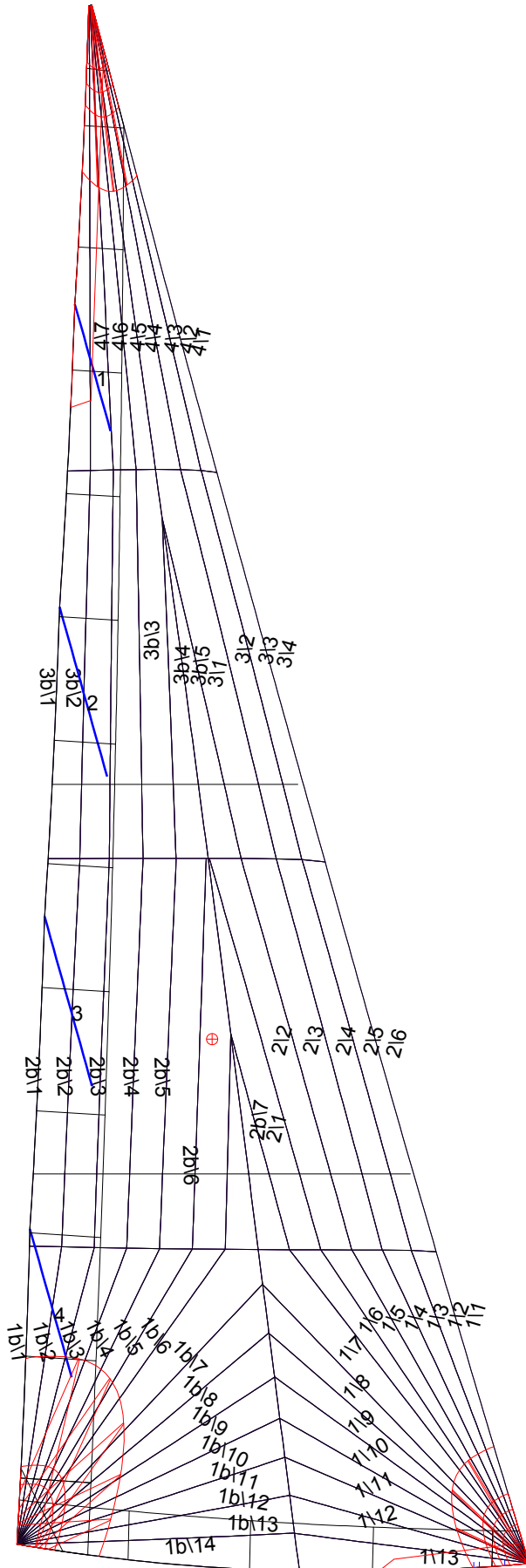
Reefing Points

1, Luff: 0.000m ; Leech: 0.000m ; Offset: 0.000m ; Number Eyelets: 0
 2, Luff: 0.000m ; Leech: 0.000m ; Offset: 0.000m ; Number Eyelets: 0

Luff Curve

Luff Curve		Fanned Luff (@ 5.00% [0. Before BSeam	
14.668m,	0.000m	100% (14.668m) :	-0.000m -0.000m
11.001m,	0.082m	90% (13.200m) :	-0.038m -0.006m
7.334m,	0.110m	80% (11.735m) :	-0.071m -0.009m
3.667m,	0.082m	70% (10.267m) :	-0.094m 0.000m
0.000m,	0.000m	60% (8.801m) :	-0.109m 0.010m
		50% (7.334m) :	-0.114m 0.014m
		40% (5.867m) :	-0.111m 0.012m
		30% (4.400m) :	-0.099m 0.007m
		20% (2.934m) :	-0.075m 0.001m
		10% (1.465m) :	-0.039m -0.002m
		0% (0.000m) :	0.000m 0.000m

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Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.025m	0.015m	0.038m
Zone: 1/b	0.025m	0.015m	0.038m
Zone: 2/a	0.025m	0.015m	0.038m
Zone: 2/b	0.025m	0.015m	0.038m
Zone: 3/a	0.025m	0.015m	0.038m
Zone: 3/b	0.025m	0.015m	0.038m
Zone: 4	0.025m	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	0.000m	0.000m
Cover 3	0.000m	0.000m	0.000m

Materials

Material	Area (m ²)	Panels
Material 1	33.94	1\1, 1\2, 1\3, 1\4, 1\5 1\6, 1\7, 1\8, 1\9, 1\10 1\11, 1\12, 1\13, 1b\1, 1b\2 1b\3, 1b\4, 1b\5, 1b\6, 1b\7 1b\8, 1b\9, 1b\10, 1b\11, 1b\12 1b\13, 1b\14, 2\6, 2\5, 2\4 2\3, 2\2, 2\1, 2b\7, 2b\6 2b\5, 2b\4, 2b\3, 2b\2, 2b\1 3\4, 3\3, 3\2, 3\1, 3b\5 3b\4, 3b\3, 3b\2, 3b\1, 4\1 4\2, 4\3, 4\4, 4\5, 4\6 4\7

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