

Genoa: 7000523 Ryan Headsail.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need Confrim Order\7000523 Ryan\70005

Initial Design Date: 1/6/2023
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	36.467Ft
Leech geodesic:	35.349Ft
Foot geodesic:	20.649Ft
Headboard width:	0.098Ft
Luff perpendicular (HLP):	19.638Ft
Upper width (HUW):	2.169Ft
Three-quarter width (HTW):	4.357Ft
Half width (HHW):	9.243Ft
Quarter width (HQW):	14.379Ft
Foot median:	35.051Ft
ORC Headsail area:	346.158Ft?
IRC Headsail area:	345.121Ft?
Surface area:	348.931Ft?
Forestay height:	39.000Ft
J:	12.670Ft

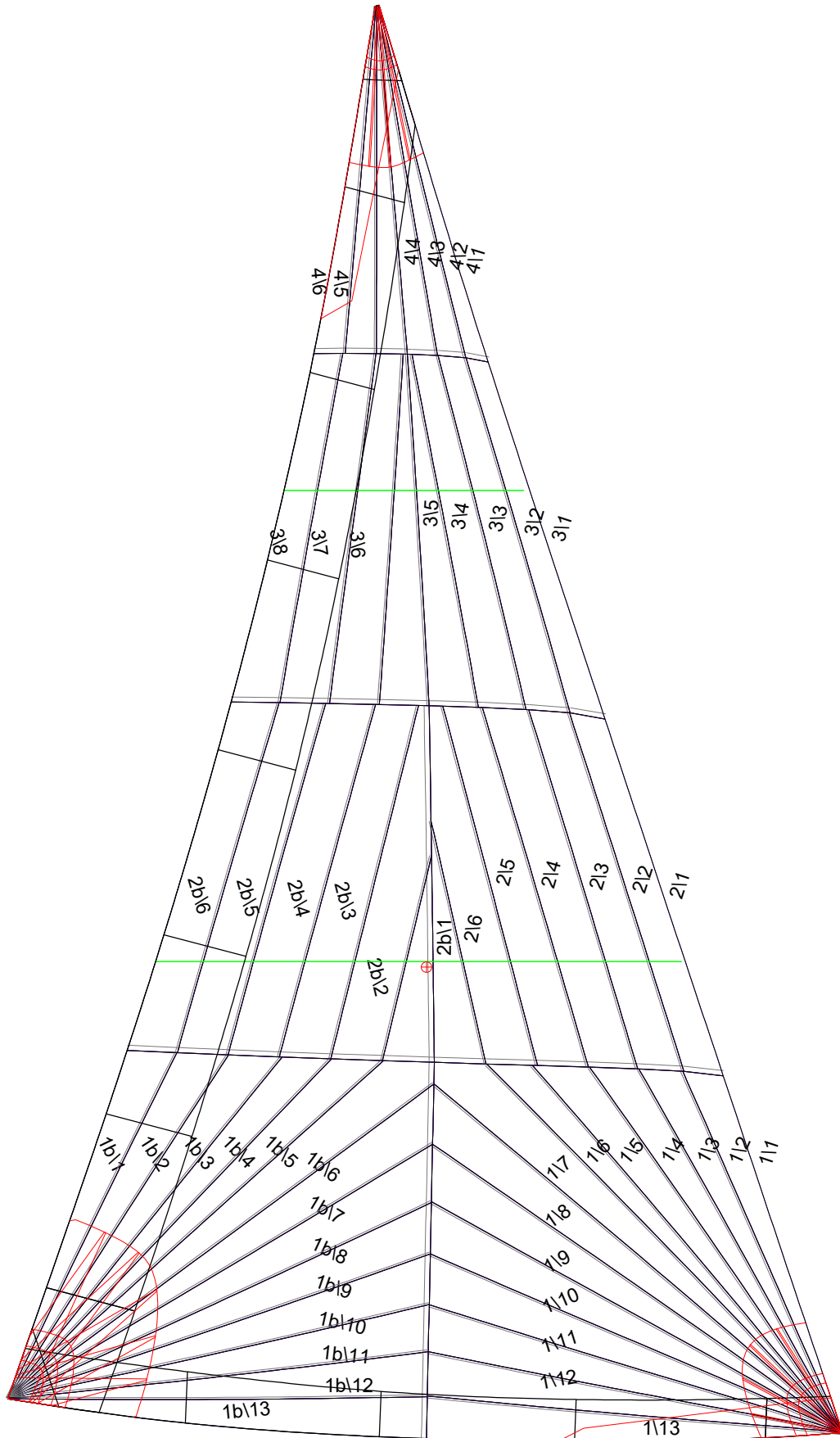
Draft Stripes

1, Luff: 12.091Ft ; Leech: 11.325Ft ;
2, Luff: 24.161Ft ; Leech: 23.125Ft ;

Luff Curve

		Fanned Luff (@ 5.00% [1.014Ft])	Before BSeam
36.460Ft,	0.000Ft	100% (36.460Ft) :	-0.000Ft
33.430Ft,	0.124Ft	90% (32.811Ft) :	-0.137Ft
30.079Ft,	0.224Ft	80% (29.174Ft) :	-0.011Ft
27.130Ft,	0.275Ft	70% (25.524Ft) :	0.059Ft
23.700Ft,	0.295Ft	60% (21.878Ft) :	0.150Ft
18.144Ft,	0.259Ft	50% (18.231Ft) :	0.206Ft
11.849Ft,	0.176Ft	40% (14.585Ft) :	0.228Ft
6.163Ft,	0.088Ft	30% (10.938Ft) :	0.227Ft
0.000Ft,	0.000Ft	20% (7.294Ft) :	0.191Ft
		10% (3.643Ft) :	-0.063Ft
		0% (0.000Ft) :	0.000Ft

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Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.125Ft	0.049Ft	0.125Ft
Zone: 1/b	0.125Ft	0.049Ft	0.125Ft
Zone: 2/a	0.125Ft	0.049Ft	0.125Ft
Zone: 2/b	0.125Ft	0.049Ft	0.125Ft
Zone: 3	0.125Ft	0.049Ft	0.125Ft
Zone: 4	0.125Ft	0.049Ft	0.125Ft
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

	Luff	Leech	Foot
Sail:	0.000Ft	0.000Ft	0.000Ft
Cover 0	0.230Ft	0.328Ft	0.230Ft
Cover 1	0.230Ft	0.230Ft	0.328Ft
Cover 2	0.000Ft	0.230Ft	0.230Ft
Cover 3	0.000Ft	0.230Ft	0.230Ft

Total Seam Lengths (Ft)

Horizontal	29.39
Radial/Vertical	460.67
Bi-Radial Split	18.73

Materials

Material	Area (Ft ²)	Panels
Material 1	349.67	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\13,2\1,2\2,2\3,2\4 2\5,2\6,2b\1,2b\2,2b\3 2b\4,2b\5,2b\6,3\1,3\2 3\3,3\4,3\5,3\6,3\7 3\8,4\1,4\2,4\3,4\4 4\5,4\6