

Genoa: 7000719 Kimberly-3 Headsail130% .des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need Confrim Order\7000719 Kimberly\70

Initial Design Date: 27/7/2023
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	631.10In
Leech geodesic:	587.44In
Foot geodesic:	264.03In
Headboard width:	1.18In
Luff perpendicular (HLP):	246.95In
Upper width (HUW):	26.39In
Three-quarter width (HTW):	53.03In
Half width (HHW):	113.15In
Quarter width (HQW):	178.20In
Foot median:	602.83In
ORC Headsail area:	515.759Ft?
IRC Headsail area:	514.563Ft?
Surface area:	518.572Ft?
Forestay height:	651.12In
J:	189.96In

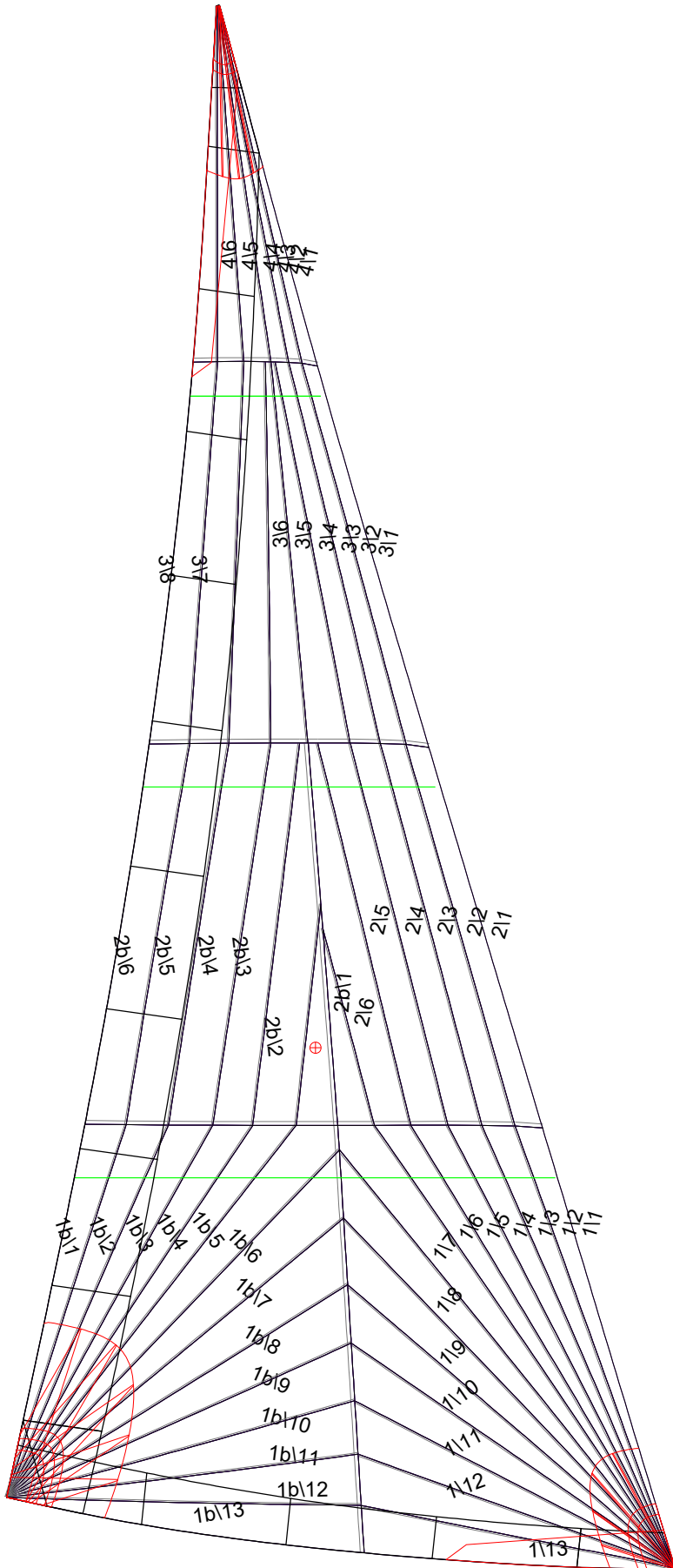
Draft Stripes

- 1, Luff: 158.44In ; Leech: 127.65In ;
- 2, Luff: 316.84In ; Leech: 281.35In ;
- 3, Luff: 474.63In ; Leech: 433.02In ;

Luff Curve

		Fanned Luff (@ 5.00% [12.96In])	Before BSeam
630.98In,	0.00In	100% (630.99In) :	0.00In
578.55In,	2.14In	90% (567.88In) :	-0.54In
520.56In,	3.87In	80% (504.87In) :	-0.76In
469.51In,	4.76In	70% (441.73In) :	-0.13In
410.15In,	5.10In	60% (378.63In) :	0.81In
314.00In,	4.48In	50% (315.52In) :	1.43In
205.07In,	3.04In	40% (252.41In) :	1.74In
106.65In,	1.52In	30% (189.30In) :	1.88In
0.00In,	0.00In	20% (126.22In) :	1.74In
		10% (63.06In) :	1.10In
		0% (0.00In) :	0.00In

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Seam Allowances

	Split	Radial	Cross
Zone: 1/a	1.496In	0.630In	1.496In
Zone: 1/b	1.496In	0.630In	1.496In
Zone: 2/a	1.496In	0.630In	1.496In
Zone: 2/b	1.496In	0.630In	1.496In
Zone: 3	1.496In	0.630In	1.496In
Zone: 4	1.496In	0.630In	1.496In
Cover 1	0.984In	0.984In	0.984In
Cover 2	0.984In	0.984In	0.984In
Cover 3	0.000In	0.000In	0.000In
Cover 4	0.000In	0.000In	0.000In

Edge Excesses

	Luff	Leech	Foot
Sail:	0.000In	0.000In	0.000In
Cover 0	2.756In	3.937In	2.756In
Cover 1	2.756In	2.756In	3.937In
Cover 2	0.000In	2.756In	2.756In
Cover 3	0.000In	2.756In	2.756In

Total Seam Lengths (In)

Horizontal	352.95
Radial/Vertical	7201.76
Bi-Radial Split	327.52

Materials

Material	Area (Ft ²)	Panels
Material 1	519.68	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