

Mainsail: 7000719 Kimberly-1 Furling boom Main.des

Fareast Sails/Michael,

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:
Furling Boom

Client:
Fareast Sails/Michael,

Design Data
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Main

Measurements

Luff geodesic: 563.03In
Leech geodesic: 588.29In
Foot geodesic: 190.43In
Head geodesic: 1.18In
Upper width (MUW): 31.31In
Three-quarter width (MTW): 60.60In
Half width (MHW): 112.18In
Quarter width (MQW): 153.84In
Foot median: 569.80In
ORC Mainsail area: 413.117Ft?
Surface area: 418.324Ft?
Clew height: 0.10In
Mast rake: 0.00In

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
80.000%	51.14In	10.40In	75.321?	448.97In	469.99In	Full
60.000%	94.74In	13.50In	74.321?	336.34In	352.49In	Full
40.000%	131.28In	11.91In	73.321?	225.09In	235.00In	Full
20.000%	162.06In	6.87In	72.321?	115.14In	117.50In	Full

Draft Stripes

1, Luff: 185.80In ; Leech: 186.53In ;
2, Luff: 371.55In ; Leech: 381.71In ;

Luff Curve

		Fanned Luff (@ 5.00% [9.49In])	Before BSeam
563.02In,	0.00In	100% (563.03In) :	0.00In -0.00In
506.73In,	-0.15In	90% (506.72In) :	-0.03In 0.72In
478.58In,	-0.23In	80% (450.42In) :	0.07In 1.63In
450.43In,	-0.36In	70% (394.12In) :	0.46In 2.87In
422.28In,	-0.56In	60% (337.81In) :	0.96In 4.16In
337.81In,	-1.49In	50% (281.51In) :	0.40In 3.95In
281.51In,	-0.80In	40% (225.21In) :	-0.28In 3.22In
225.21In,	0.00In	30% (168.91In) :	-0.54In 2.51In
173.82In,	0.29In	20% (112.61In) :	-0.62In 1.63In
112.60In,	0.40In	10% (56.30In) :	-0.45In 0.70In
47.61In,	0.25In	0% (0.00In) :	0.00In 0.00In
0.00In,	0.00In		

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Seam Allowances

Zone:	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	0.000In	0.000In	0.000In

Edge Excesses

Sail:	Luff	Leech	Foot
Sail:	0.000In	0.000In	0.000In
Cover 0	1.969In	2.756In	0.000In

Total Seam Lengths (In)

Horizontal	329.15
Radial/Vertical	4801.55
Bi-Radial Split	293.35

Materials

Material	Area (Ft ²)	Panels
Material 1	418.67	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1\9,1\10 1\11,1b\1,1b\2,1b\3,1b\4 1b\5,1b\6,1b\7,1b\8,1b\9 1b\10,1b\11,2\1,2\2,2\3 2\4,2b\1,2b\2,2b\3,2b\4 3\1,3\2,3\3,3\4,3\5 3\6,4\1,4\2,4\3,4\4 4\5

