

Mainsail: 7000705 Eric -1 Jeanneau Sun Odyssey 42 DS RFMN V1.des

Design Info
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Design File:
Y:\Queenie-Customer Order\Fareast Sails\2023 Order\Passed to Production\7000705 Eric\7000705 Eric -1 Jeanneau

Initial Design Date: 12/7/2023
Boat:

Comments:

Client:

Design Data
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Main

Measurements

Luff geodesic:	15.097m
Leech geodesic:	15.492m
Foot geodesic:	4.851m
Head geodesic:	0.013m
Upper width (MUW):	0.533m
Three-quarter width (MTW):	1.081m
Half width (MHW):	2.282m
Quarter width (MQW):	3.539m
Foot median:	15.140m
ORC Mainsail area:	35.204m?
Surface area:	34.918m?
Clew height:	0.400m
Mast rake:	0.000m

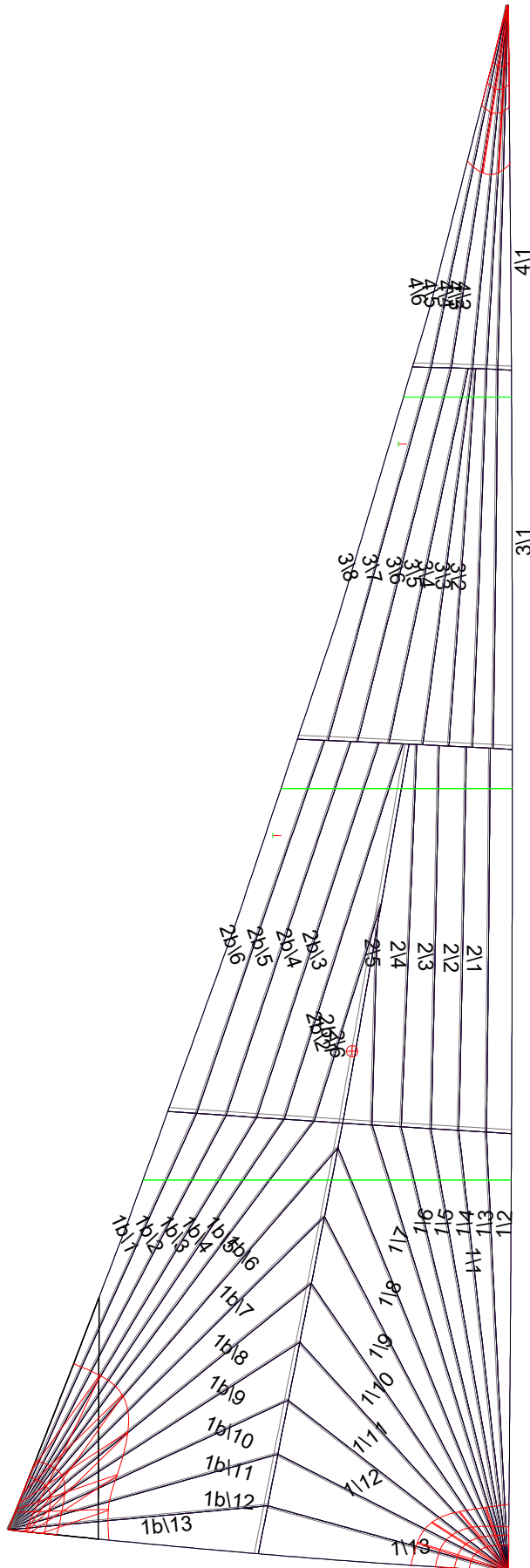
Draft Stripes

1, Luff: 3.772m ; Leech: 3.620m ;
2, Luff: 7.545m ; Leech: 7.619m ;
3, Luff: 11.320m ; Leech: 11.567m ;

Luff Curve

		Fanned Luff (@ 5.00% [0.241m])	Before BSeam	
15.097m,	0.000m	100% (15.097m) :	0.000m	-0.000m
13.216m,	-0.018m	90% (13.588m) :	0.010m	0.027m
11.323m,	-0.030m	80% (12.077m) :	0.020m	0.054m
9.425m,	-0.036m	70% (10.568m) :	0.026m	0.077m
7.548m,	-0.038m	60% (9.058m) :	0.029m	0.094m
5.625m,	-0.035m	50% (7.549m) :	0.028m	0.100m
3.774m,	-0.028m	40% (6.039m) :	0.025m	0.096m
1.881m,	-0.016m	30% (4.529m) :	0.021m	0.082m
0.000m,	0.000m	20% (3.019m) :	0.014m	0.059m
		10% (1.510m) :	0.007m	0.030m
		0% (0.000m) :	0.000m	0.000m

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Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1/a	0.038m	0.016m	0.038m
Zone: 1/b	0.038m	0.016m	0.038m
Zone: 2/a	0.038m	0.016m	0.038m
Zone: 2/b	0.038m	0.016m	0.038m
Zone: 3	0.038m	0.016m	0.038m
Zone: 4	0.038m	0.016m	0.038m
Cover 1	0.000m	0.000m	0.000m
Cover 2	0.000m	0.000m	0.000m

Edge Excesses

	Luff	Leech	Foot
Sail:	0.000m	0.000m	0.000m
Cover 0	0.000m	0.070m	0.070m
Cover 1	0.000m	0.070m	0.070m

Total Seam Lengths (m)

Horizontal	6.56
Radial/Vertical	170.46
Bi-Radial Split	8.28

Materials

Material	Area (m ²)	Panels
Material 1	34.99	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