

Mainsail: 4000615 Jaye Main Radial cut R0

Design Info

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Design File:

E:\Dropbox\Dropbox\Mike computer\Fareast Sails Production\2020\4000615 Jaye\4000615 Jaye Main Radial cut R0.d

Initial Design Date: 2/9/2020

Boat:

Client:

Comments:

Design Data

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Main

Measurements

Luff geodesic:	42.231Ft
Leech geodesic:	42.500Ft
Foot geodesic:	14.849Ft
Head geodesic:	0.450Ft
Upper width (MUW):	2.924Ft
Three-quarter width (MTW):	5.388Ft
Half width (MHW):	9.440Ft
Quarter width (MQW):	12.430Ft
Foot median:	42.260Ft
ORC Mainsail area:	368.547Ft?
Surface area:	375.582Ft?
Clew height:	1.560Ft
Mast rake:	2.254Ft

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
80.000%	4.723Ft	0.909Ft	79.454?	33.682Ft	33.865Ft	Full
60.000%	5.184Ft	1.254Ft	79.454?	25.239Ft	25.399Ft	
40.000%	5.184Ft	1.042Ft	79.454?	16.812Ft	16.933Ft	
20.000%	4.429Ft	0.595Ft	79.454?	8.399Ft	8.466Ft	

Reefing Points

1, Luff: 6.303Ft ; Leech: 6.336Ft ; Offset: 0.000Ft ; Number Eyelets: 3
 2, Luff: 12.615Ft ; Leech: 12.665Ft ; Offset: 0.000Ft ; Number Eyelets: 3
 3, Luff: 18.937Ft ; Leech: 18.992Ft ; Offset: 0.000Ft ; Number Eyelets: 2

Draft Stripes

1, Luff: 14.721Ft ; Leech: 13.576Ft ;
 2, Luff: 29.498Ft ; Leech: 28.909Ft ;

Luff Curve

		Fanned Luff (@ 5.00% [0.736Ft])	Before BSeam
42.224Ft,	0.000Ft	100% (42.231Ft) :	0.000Ft
36.962Ft,	-0.205Ft	90% (38.016Ft) :	0.115Ft
31.668Ft,	-0.353Ft	80% (33.782Ft) :	0.218Ft
26.361Ft,	-0.428Ft	70% (29.564Ft) :	0.281Ft
21.114Ft,	-0.443Ft	60% (25.339Ft) :	0.310Ft
15.733Ft,	-0.410Ft	50% (21.116Ft) :	0.314Ft
10.556Ft,	-0.328Ft	40% (16.891Ft) :	0.297Ft
5.262Ft,	-0.186Ft	30% (12.669Ft) :	0.259Ft
0.000Ft,	0.000Ft	20% (8.442Ft) :	0.195Ft
		10% (4.228Ft) :	0.104Ft
		0% (0.000Ft) :	0.000Ft

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Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1/a	0.098Ft	0.049Ft	0.125Ft
Zone: 1/b	0.098Ft	0.049Ft	0.125Ft
Zone: 2/a	0.098Ft	0.049Ft	0.125Ft
Zone: 2/b	0.098Ft	0.049Ft	0.125Ft
Zone: 3/a	0.098Ft	0.049Ft	0.125Ft
Zone: 3/b	0.098Ft	0.049Ft	0.125Ft
Zone: 4	0.098Ft	0.049Ft	0.125Ft

Edge Excesses

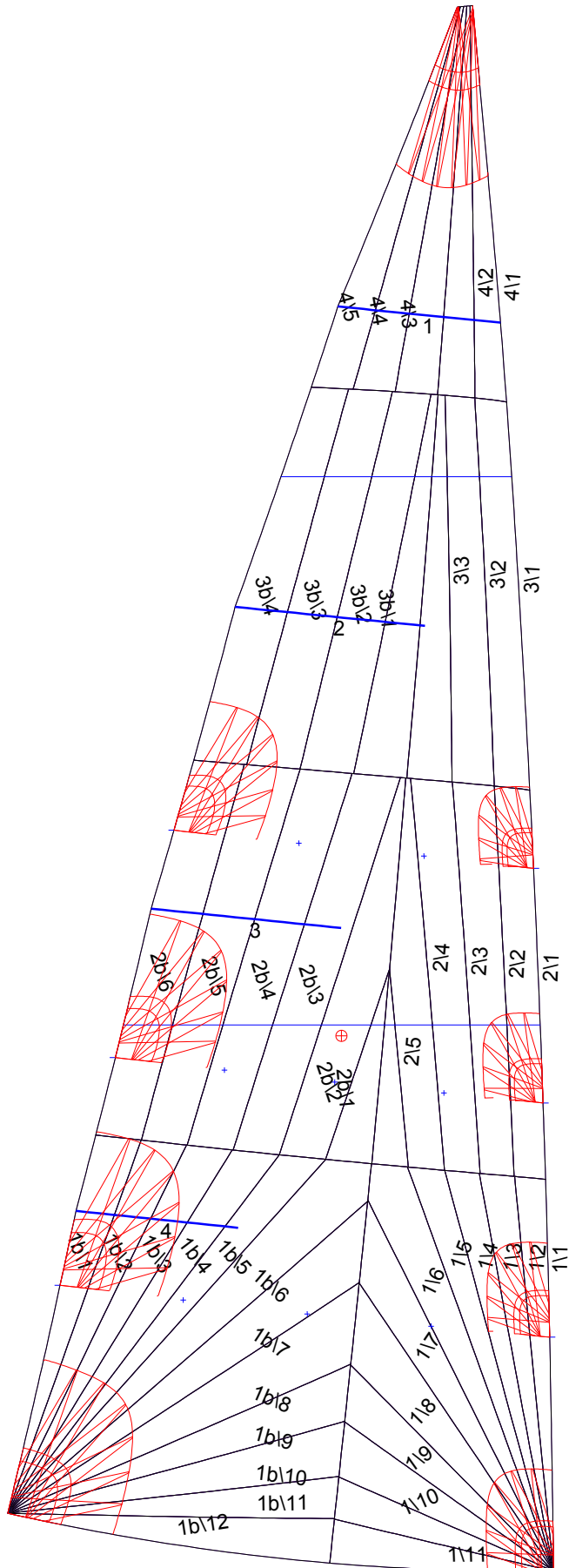
Sail:	Luff	Leech	Foot
Sail:	0.000Ft	0.000Ft	0.000Ft

Total Seam Lengths (Ft)

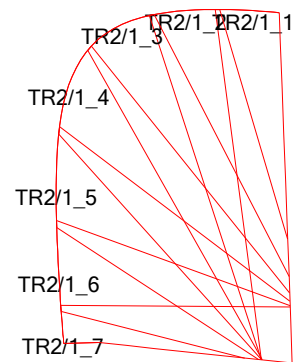
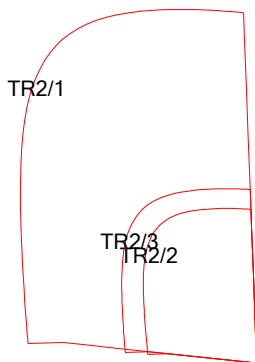
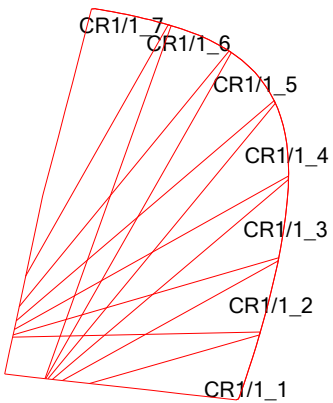
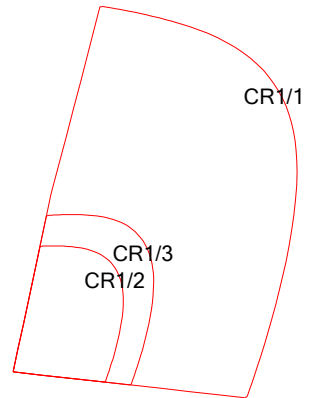
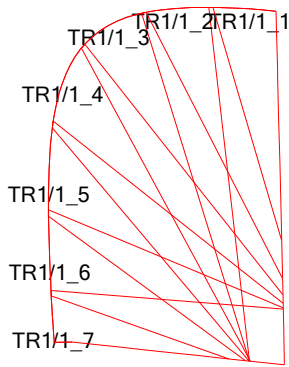
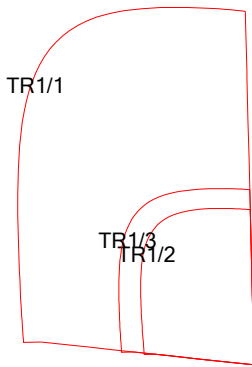
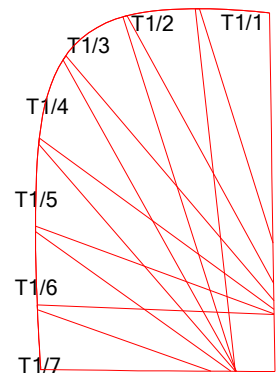
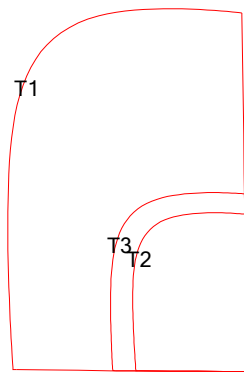
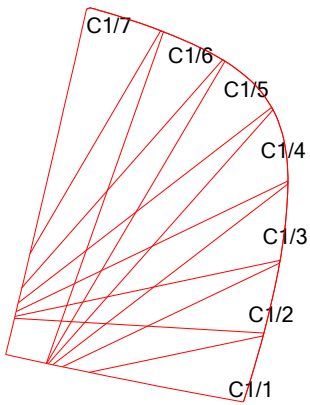
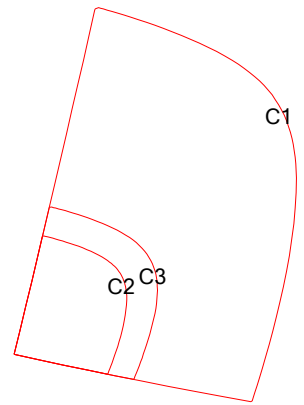
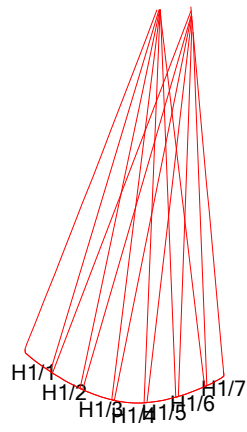
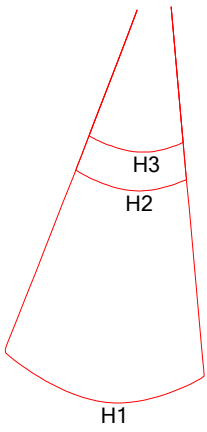
Horizontal	27.78
Radial/Vertical	395.55
Bi-Radial Split	32.71

Materials

Material	Area (Ft ²)	Panels
Material 1	376.20	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\11,1b\12,2\1,2\2 2\3,2\4,2\5,2b\1,2b\2 2b\3,2b\4,2b\5,2b\6,3\1 3\2,3\3,3b\1,3b\2,3b\3 3b\4,4\1,4\2,4\3,4\4 4\5



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