

Mainsail: 4000139 Bryan-1 mainsail Battenless R3

Design Info =====

Initial Design Date: 19/2/2020
Boat:

Client:

Design File:
E:\Dropbox\Dropbox\Mike computer\Fareast Sails Production\2020\4000139 Bryan-1-2-3-4-5\4000139 Bryan-1 mainsail

Comments:
Mast slide 21 pcs, spacing appr 18 inch,
foot slide 9 pcs , spacing appr 19inch

Design Data =====

Main

Measurements

Luff geodesic:	33.990Ft
Leech geodesic:	36.460Ft
Foot geodesic:	16.330Ft
Head geodesic:	0.200Ft
Upper width (MUW):	2.022Ft
Three-quarter width (MTW):	3.954Ft
Half width (MHW):	8.062Ft
Quarter width (MQW):	12.198Ft
Foot median:	34.473Ft
ORC Mainsail area:	275.753Ft?
Surface area:	273.692Ft?

Reefing Points

1, Luff: 3.176Ft ; Leech: 3.500Ft ; Offset: 0.000Ft ; Number Eyelets: 6
2, Luff: 6.360Ft ; Leech: 7.000Ft ; Offset: 0.000Ft ; Number Eyelets: 5
3, Luff: 9.574Ft ; Leech: 10.501Ft ; Offset: 0.000Ft ; Number Eyelets: 4

Luff Curve

		Fanned Luff (@ 5.00% [0. Before BSeam	
33.990Ft,	0.000Ft	100% (33.990Ft) :	-0.000Ft 0.000Ft
29.754Ft,	-0.038Ft	90% (30.592Ft) :	0.021Ft 0.095Ft
25.492Ft,	-0.065Ft	80% (27.192Ft) :	0.041Ft 0.189Ft
21.220Ft,	-0.079Ft	70% (23.793Ft) :	0.053Ft 0.273Ft
16.995Ft,	-0.082Ft	60% (20.394Ft) :	0.057Ft 0.333Ft
12.665Ft,	-0.076Ft	50% (16.995Ft) :	0.054Ft 0.355Ft
8.497Ft,	-0.061Ft	40% (13.596Ft) :	0.046Ft 0.336Ft
4.236Ft,	-0.034Ft	30% (10.197Ft) :	0.035Ft 0.280Ft
0.000Ft,	0.000Ft	20% (6.798Ft) :	0.021Ft 0.198Ft
		10% (3.400Ft) :	0.008Ft 0.097Ft
		0% (0.000Ft) :	0.000Ft 0.000Ft

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Seam Allowances			
Zone: 1	Split	Radial	Cross
	0.000Ft	0.000Ft	0.082Ft

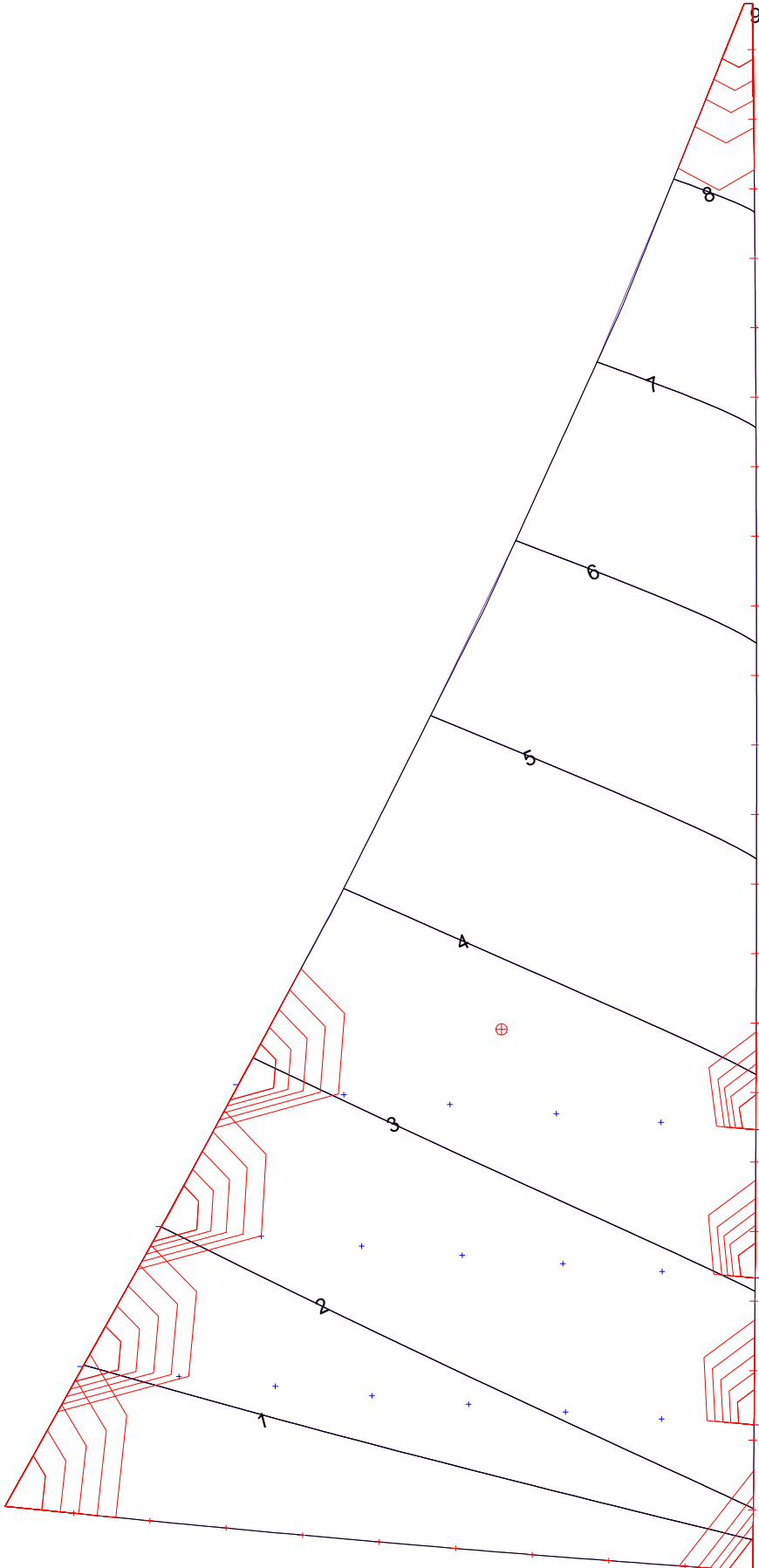
Edge Excesses			
Sail:	Luff	Leech	Foot
	0.000Ft	0.000Ft	0.000Ft

Total Seam Lengths (Ft)

Horizontal	0.00
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (Ft ²)	Panels
Material 1	274.34	1,2,3,4,5 6,7,8,9



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