

Mainsail: 8000517 Richard Hunter 260 fullbattmainV1.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000517 Richard Hunter

Initial Design Date: 11/6/2024
Boat:

Comments:

Client:

Design Data
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Main

Measurements

Luff geodesic:	29.205Ft
Leech geodesic:	30.703Ft
Foot geodesic:	10.058Ft
Head geodesic:	0.335Ft
Upper width (MUW):	1.910Ft
Three-quarter width (MTW):	3.461Ft
Half width (MHW):	6.096Ft
Quarter width (MQW):	8.266Ft
Foot median:	29.646Ft
ORC Mainsail area:	168.097Ft?
Surface area:	170.772Ft?
Clew height:	0.328Ft
Mast rake:	0.000Ft

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
80.000%	2.998Ft	0.519Ft	72.965?	23.351Ft	24.504Ft	Full
60.000%	5.224Ft	0.674Ft	72.965?	17.512Ft	18.378Ft	Full
40.000%	7.097Ft	0.573Ft	72.965?	11.674Ft	12.252Ft	Full
20.000%	8.679Ft	0.316Ft	72.965?	5.836Ft	6.126Ft	Full

Reefing Points

- 1, Luff: 3.562Ft ; Leech: 3.689Ft ; Offset: 0.000Ft ; Number Eyelets: 2
- 2, Luff: 7.445Ft ; Leech: 7.705Ft ; Offset: 0.000Ft ; Number Eyelets: 2

Draft Stripes

- 1, Luff: 9.635Ft ; Leech: 9.771Ft ;
- 2, Luff: 19.272Ft ; Leech: 19.886Ft ;

Luff Slides

- 1, Position: 2.918Ft
- 2, Position: 8.755Ft
- 3, Position: 14.593Ft
- 4, Position: 20.431Ft
- 5, Position: 26.278Ft

Luff Curve

		Fanned Luff (@ 5.00% [0.501Ft])	Before BSeam
29.204Ft,	0.000Ft	100% (29.205Ft) :	-0.000Ft 0.000Ft
25.565Ft,	-0.057Ft	90% (26.285Ft) :	0.036Ft 0.101Ft
21.903Ft,	-0.098Ft	80% (23.364Ft) :	0.065Ft 0.189Ft
18.232Ft,	-0.116Ft	70% (20.444Ft) :	0.081Ft 0.250Ft
14.602Ft,	-0.118Ft	60% (17.523Ft) :	0.087Ft 0.287Ft
10.882Ft,	-0.109Ft	50% (14.603Ft) :	0.085Ft 0.299Ft
7.301Ft,	-0.087Ft	40% (11.682Ft) :	0.079Ft 0.291Ft
3.639Ft,	-0.050Ft	30% (8.761Ft) :	0.066Ft 0.255Ft
0.000Ft,	0.000Ft	20% (5.841Ft) :	0.047Ft 0.190Ft
		10% (2.921Ft) :	0.022Ft 0.099Ft
		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	44.73
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (Ft ²)	Panels
Material 1	170.51	1,2,3,4,5 6,7,8

