

# Mainsail: 7001106 Enrique Mainsail.des

Design Info  
=====

Design File:  
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need to be Confirmed\7001106 Enrique\7001106 Enrique

Initial Design Date: 29/11/2023  
Boat:

Comments:

Client:

Design Data  
=====

Main

Measurements

Luff geodesic:	41.371Ft
Leech geodesic:	42.599Ft
Foot geodesic:	10.889Ft
Head geodesic:	0.377Ft
Upper width (MUW):	2.411Ft
Three-quarter width (MTW):	4.280Ft
Half width (MHW):	7.186Ft
Quarter width (MQW):	9.336Ft
Foot median:	41.973Ft
ORC Mainsail area:	273.827Ft?
Surface area:	279.585Ft?
Clew height:	0.328Ft
Mast rake:	0.000Ft

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
82.000%	3.462Ft	0.956Ft	77.247?	33.906Ft	34.842Ft	Full
62.000%	6.057Ft	1.270Ft	77.247?	25.632Ft	26.344Ft	Full
42.000%	8.031Ft	1.120Ft	77.247?	17.360Ft	17.846Ft	Full
22.000%	9.593Ft	0.713Ft	77.247?	9.090Ft	9.348Ft	Full

Reefing Points

1, Luff: 4.756Ft ; Leech: 4.829Ft ; Offset: 0.000Ft ; Number Eyelets: 2

Draft Stripes

1, Luff: 13.649Ft ; Leech: 13.632Ft ;  
2, Luff: 27.300Ft ; Leech: 27.650Ft ;

Luff Slides

1, Position: 3.923Ft  
2, Position: 13.225Ft  
3, Position: 21.496Ft  
4, Position: 29.769Ft  
5, Position: 37.638Ft

Luff Curve

		Fanned Luff (@ 5.00% [0.542Ft])	Before BSeam
41.370Ft,	0.000Ft	100% (41.371Ft) :	0.000Ft
36.214Ft,	-0.096Ft	90% (37.235Ft) :	0.135Ft
31.027Ft,	-0.164Ft	80% (33.097Ft) :	0.256Ft
25.827Ft,	-0.193Ft	70% (28.960Ft) :	0.341Ft
20.684Ft,	-0.197Ft	60% (24.823Ft) :	0.382Ft
15.415Ft,	-0.182Ft	50% (20.686Ft) :	0.387Ft
10.342Ft,	-0.145Ft	40% (16.548Ft) :	0.360Ft
5.155Ft,	-0.083Ft	30% (12.411Ft) :	0.302Ft
0.000Ft,	0.000Ft	20% (8.274Ft) :	0.220Ft
		10% (4.137Ft) :	0.116Ft
		0% (0.000Ft) :	0.000Ft

# Mainsail: 7001106 Enrique Mainsail.des

## Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1/a	0.082Ft	0.049Ft	0.082Ft
Zone: 1/b	0.082Ft	0.049Ft	0.082Ft
Zone: 2/a	0.082Ft	0.049Ft	0.082Ft
Zone: 2/b	0.082Ft	0.049Ft	0.082Ft
Zone: 3	0.082Ft	0.049Ft	0.082Ft

## Edge Excesses

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

## Total Seam Lengths (Ft)

Horizontal	15.45
Radial/Vertical	247.71
Bi-Radial Split	25.64

## Materials

Material	Area (Ft <sup>2</sup> )	Panels
Material 1	280.01	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1\9,1b1 1b2,1b3,1b4,1b5,1b6 1b7,1b8,1b9,2\1,2\2 2\3,2b1,2b2,2b3,3\1 3\2,3\3,3\4

