

Mainsail: 8000212 Mehul Malbec 290 fullbattmain.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000212 Mehul Mal

Initial Design Date: 19/2/2024
Boat:

Comments:

Client:

Design Data
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Main

Measurements

Luff geodesic: 10.458m
 Leech geodesic: 11.134m
 Foot geodesic: 3.973m
 Head geodesic: 0.115m
 Upper width (MUW): 0.775m
 Three-quarter width (MTW): 1.422m
 Half width (MHW): 2.488m
 Quarter width (MQW): 3.324m
 Foot median: 10.743m
 ORC Mainsail area: 24.263m?
 Surface area: 25.012m?
 Clew height: 0.100m
 Mast rake: 0.000m

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
80.000%	1.250m	0.273m	71.199?	8.360m	8.867m	Full
60.000%	2.158m	0.354m	71.199?	6.268m	6.651m	Full
40.000%	2.894m	0.312m	71.199?	4.176m	4.434m	Full
20.000%	3.486m	0.180m	71.199?	2.085m	2.217m	Full

Reefing Points

1, Luff: 1.275m ; Leech: 1.326m ; Offset: 0.000m ; Number Eyelets: 2
 2, Luff: 2.770m ; Leech: 2.879m ; Offset: 0.000m ; Number Eyelets: 2

Draft Stripes

1, Luff: 3.450m ; Leech: 3.504m ;
 2, Luff: 6.901m ; Leech: 7.161m ;

Luff Slides

1, Position: 1.043m
 2, Position: 3.234m
 3, Position: 5.222m
 4, Position: 7.314m
 5, Position: 9.409m

Luff Curve

		Fanned Luff (@ 5.00% [0.198m])	Before BSeam
10.457m,	0.000m	100% (10.458m) :	0.000m
9.154m,	-0.024m	90% (9.412m) :	0.015m
7.843m,	-0.041m	80% (8.366m) :	0.083m
6.529m,	-0.049m	70% (7.321m) :	0.109m
5.229m,	-0.050m	60% (6.275m) :	0.123m
3.897m,	-0.046m	50% (5.229m) :	0.126m
2.614m,	-0.037m	40% (4.183m) :	0.119m
1.303m,	-0.021m	30% (3.137m) :	0.101m
0.000m,	0.000m	20% (2.091m) :	0.074m
		10% (1.046m) :	0.008m
		0% (0.000m) :	0.000m

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Seam Allowances			
Zone: 1	Split	Radial	Cross
	0.025m	0.025m	0.025m

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

Total Seam Lengths (m)

Horizontal	22.09
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	25.01	1,2,3,4,5 6,7,8,9,10

