

# Asymmetric: 8001003 Michael-3 Moody S31 asy spi.des

## Design Info

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Initial Design Date: 5/11/2024  
Boat:  
Moody S31  
Client:

## Design File:

\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8001003 Michael M

Comments:

## Design Data

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## Asymmetric

### Measurements

Luff length (SLU): 12.500m  
Leech length (SLE): 11.502m  
Foot length (SFL): 6.174m  
Headboard Width: 0.015m  
Three-quarter width: 4.031m  
Half width (SHW): 6.106m  
Quarter width: 6.625m  
ORC Area: 61.203m?  
IRC Area: 60.958m?  
Surface Area: 63.141m?  
Hoist height: 12.190m  
J: 3.430m

Closest Pt: 3.440m  
Closest Pt: 5.770m  
Closest Pt: 6.703m

### Luff Curve

15.500m, 0.000m  
11.625m, 0.000m  
7.750m, 0.000m  
3.875m, 0.000m  
0.000m, 0.000m

### Fanned Luff (@ 5.00% [0.273m])

100% (12.496m) : 0.000m  
87% (10.875m) : -0.005m  
76% (9.500m) : -0.054m  
66% (8.242m) : -0.100m  
56% (7.030m) : -0.121m  
47% (5.841m) : -0.123m  
37% (4.666m) : -0.118m  
28% (3.498m) : -0.104m  
19% (2.332m) : -0.076m  
9% (1.166m) : -0.037m  
0% (0.000m) : 0.000m

### Before BSeam

0.000m  
0.141m  
0.243m  
1.158m  
1.439m  
1.420m  
1.291m  
1.070m  
0.771m  
0.409m  
0.000m

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## Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1/a	0.025m	0.015m	0.025m
Zone: 1/b	0.025m	0.015m	0.025m
Zone: 2/a	0.025m	0.015m	0.025m
Zone: 2/b	0.025m	0.015m	0.025m
Zone: 3/a	0.025m	0.015m	0.025m
Zone: 3/b	0.025m	0.015m	0.025m
Zone: 4	0.025m	0.015m	0.025m

## Edge Excesses

Sail:	Luff	Leech	Foot
Sail:	0.000m	0.000m	0.000m

## Total Seam Lengths (m)

Horizontal	18.82
Radial/Vertical	216.88
Bi-Radial Split	7.71

## Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	63.10	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1\9,1\10 1\11,1\12,1\13,1\14,1\15 1b\1,1b\2,1b\3,1b\4 1b\5,1b\6,1b\7,1b\8,1b\9 1b\10,1b\11,1b\12,1b\13,1b\14 1b\15,1b\16,2\1,2\2,2\3 2\4,2\5,2\6,2\7,2\8 2\9,2b\9,2b\8,2b\7,2b\6 2b\5,2b\4,2b\3,2b\2,2b\1 3\1,3\2,3\3,3\4,3\5 3\6,3\7,3\8,3b\8,3b\7 3b\6,3b\5,3b\4,3b\3,3b\2 3b\1,4\1,4\2,4\3,4\4 4\5,4\6,4\7,4\8,4\9 4\10,4\11,4\12

