

# Mainsail: 8000208 Mike Nonsuch 30 ccmainsV1.des

## Far East Sails / Michael

Design Info  
=====

Design File:  
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000208 Mike Nor

Initial Design Date: 21/3/2024  
Boat:  
Nonsuch 30  
Client:  
Far East Sails / Michael

Comments:  
Nonsuch 30, unstayed rig, cc main, 55.6 m2 /598.57 sq.ft.  
Material: 7.48 oz dacron, 54"  
P = 44.75 ft, E = 24.0 ft (loose foot)  
Luff = 44.30 ft, Leech =45.97ft  
Foot = 23.76 ft  
tack angle = 78 degrees  
4 partial horizontal battens. Lengths, from top:  
40, 55", 55", 45"  
13.5 cm head board  
2 reefs @ 64" + 130" above tack, and  
87" + 171" above clew  
No interm. rf. pts.  
seams = 1" , taped leech (no fold over)  
Stack patches, 2 reefs @4.25ft /9.083ft from tack  
cunningham (13" up)  
2 x draft stripes @ 33 + 66%% heights

Design Data  
=====

### Main

#### Measurements

Luff geodesic: 13.503m  
Leech geodesic: 14.011m  
Foot geodesic: 7.242m  
Head geodesic: 0.135m  
Upper width (MUW): 1.204m  
Three-quarter width (MTW): 2.303m  
Half width (MHW): 4.235m  
Quarter width (MQW): 5.831m  
Foot median: 13.492m  
ORC Mainsail area: 54.178m?  
Surface area: 55.609m?  
Clew height: 1.353m  
Mast rake: 0.305m

### Battens

Position	Length	Roach	Angle	Luff	Leech	Full
80.000%	1.016m	0.404m	60.748?	11.071m	11.143m	
60.000%	1.397m	0.480m	60.748?	8.640m	8.357m	
40.000%	1.397m	0.379m	60.748?	6.208m	5.572m	
20.000%	1.143m	0.216m	60.748?	3.777m	2.786m	

### Reefing Points

1, Luff: 1.295m ; Leech: 1.524m ; Offset: 0.000m ; Number Eyelets: 0  
2, Luff: 2.768m ; Leech: 3.353m ; Offset: 0.000m ; Number Eyelets: 0

### Draft Stripes

1, Luff: 4.429m ; Leech: 3.433m ;  
2, Luff: 8.882m ; Leech: 8.434m ;

### Luff Slides

1, Position: 1.057m  
2, Position: 2.092m  
3, Position: 3.128m  
4, Position: 4.163m  
5, Position: 5.198m  
6, Position: 6.234m  
7, Position: 7.269m  
8, Position: 8.304m  
9, Position: 9.340m  
10, Position: 10.375m  
11, Position: 11.410m  
12, Position: 12.446m

### Luff Curve

		Fanned Luff (@ 5.00% [0.355m])	Before BSeam
13.500m,	0.000m	100% (13.503m) :	-0.000m
11.826m,	-0.068m	90% (12.156m) :	0.090m
10.125m,	-0.119m	80% (10.801m) :	0.176m
6.750m,	-0.149m	70% (9.453m) :	0.240m
3.375m,	-0.110m	60% (8.102m) :	0.277m
1.649m,	-0.062m	50% (6.751m) :	0.284m
0.000m,	0.000m	40% (5.401m) :	0.266m
		30% (4.051m) :	0.223m
		20% (2.699m) :	0.157m
		10% (1.353m) :	0.076m
		0% (0.000m) :	0.000m

# Mainsail: 8000208 Mike Nonsuch 30 ccmainV1.des

## Far East Sails / Michael

### Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1	0.025m	0.025m	0.025m
Zone: 2	0.025m	0.025m	0.025m

### Edge Excesses

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

### Total Seam Lengths (m)

Horizontal	53.41
Radial/Vertical	0.00
Bi-Radial Split	0.00

### Materials

Material	Area (m <sup>2</sup> )	Panels
Material 2	55.67	1\1,1\2,1\3,2\1,2\2 2\3,2\4,2\5,2\6,2\7 2\8,2\9,2\10

