

# Genoa: 8000613 Pepijn-2 Moody 425 furlingstaysailV2.des

## Design Info =====

Design File: \\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000613 Pepijn M

Initial Design Date: 15/8/2024  
Boat:  
Moody 425 staysail  
Client:

Comments:  
track begin poing=3.8m, track end point 5.3m.

## Design Data =====

### Genoa

#### Measurements

Luff geodesic: 10.860m  
Leech geodesic: 9.150m  
Foot geodesic: 4.035m  
Headboard width: 0.050m  
Luff perpendicular (HLP): 3.325m  
Upper width (HUW): 0.377m  
Three-quarter width (HTW): 0.725m  
Half width (HHW): 1.513m  
Quarter width (HQW): 2.381m  
Foot median: 9.919m  
ORC Headsail area: 17.205m?  
IRC Headsail area: 17.175m?  
Surface area: 17.328m?  
Forestay height: 10.680m  
J: 3.500m

#### Draft Stripes

1, Luff: 3.597m ; Leech: 2.213m ;  
2, Luff: 7.188m ; Leech: 5.618m ;

#### Luff Curve

10.859m, 0.000m  
9.956m, 0.027m  
8.958m, 0.049m  
8.080m, 0.061m  
7.058m, 0.065m  
5.404m, 0.057m  
3.529m, 0.039m  
1.835m, 0.019m  
0.000m, 0.000m

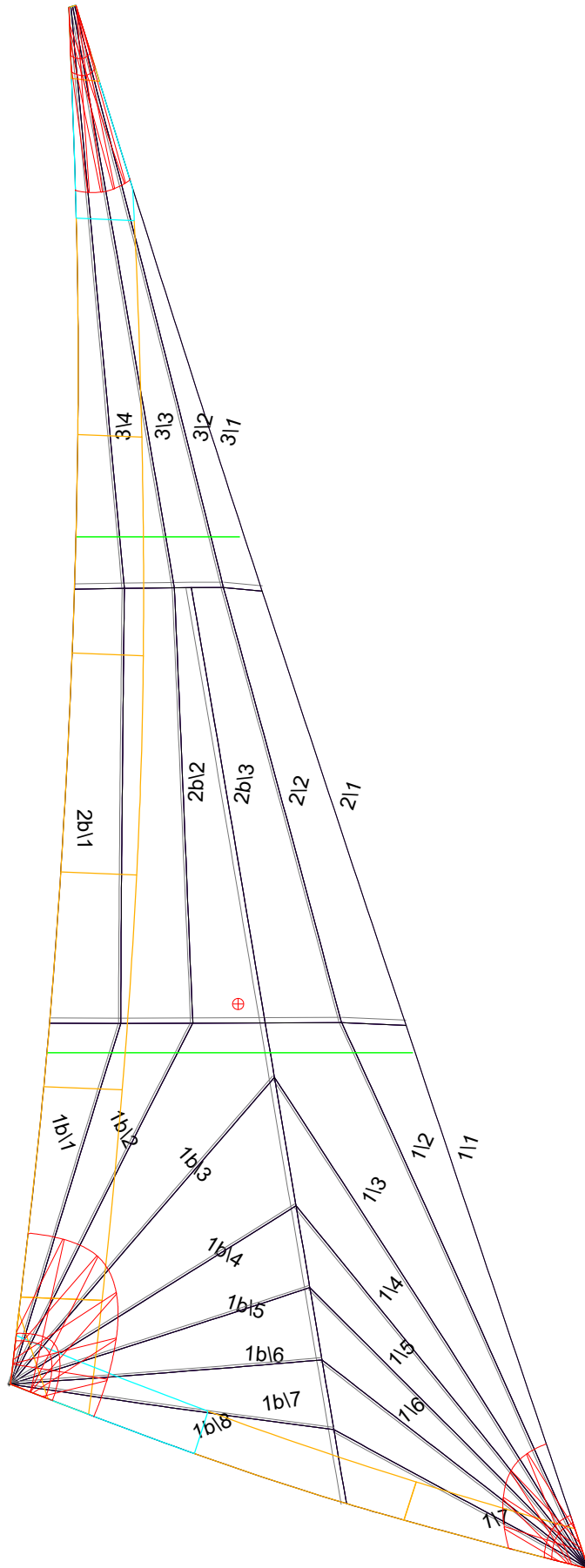
#### Fanned Luff (@ 5.00% [0.191m])

100% (10.859m) : -0.000m  
90% (9.774m) : -0.031m  
80% (8.687m) : -0.054m  
70% (7.602m) : -0.066m  
60% (6.516m) : -0.068m  
50% (5.430m) : -0.063m  
40% (4.344m) : -0.053m  
30% (3.258m) : -0.041m  
20% (2.172m) : -0.028m  
10% (1.085m) : -0.015m  
0% (0.000m) : 0.000m

#### Before BSeam

0.000m  
-0.004m  
-0.004m  
0.003m  
0.012m  
0.022m  
0.027m  
0.028m  
0.026m  
0.017m  
0.000m

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## Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.035m	0.015m	0.035m
Zone: 1/b	0.035m	0.015m	0.035m
Zone: 2/a	0.035m	0.015m	0.035m
Zone: 2/b	0.035m	0.015m	0.035m
Zone: 3	0.035m	0.015m	0.035m
Cover 1	0.025m	0.025m	0.025m
Cover 2	0.025m	0.025m	0.025m
Cover 3	0.000m	0.000m	0.000m
Cover 4	0.000m	0.000m	0.000m

## Edge Excesses

	Luff	Leech	Foot
Sail:	0.000m	0.000m	0.000m
Cover 0	0.070m	0.100m	0.070m
Cover 1	0.070m	0.070m	0.100m
Cover 2	0.000m	0.070m	0.070m
Cover 3	0.000m	0.070m	0.070m

## Total Seam Lengths (m)

Horizontal	3.77
Radial/Vertical	54.97
Bi-Radial Split	6.35

## Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	17.36	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1b\1,1b\2,1b\3 1b\4,1b\5,1b\6,1b\7,1b\8 2\1,2\2,2b\3,2b\2,2b\1 3\1,3\2,3\3,3\4