

Genoa: 8000613 Pepijn-2 Moody 425 furlingYankeeV1.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: 25/7/2024
Boat:
Moody 425 Yankee
Client:

Comments:

Design Data =====

Genoa

Measurements

Luff geodesic: 14.652m
Leech geodesic: 12.571m
Foot geodesic: 6.421m
Headboard width: 0.045m
Luff perpendicular (HLP): 5.533m
Upper width (HUW): 0.624m
Three-quarter width (HTW): 1.230m
Half width (HHW): 2.549m
Quarter width (HQW): 4.000m
Foot median: 13.399m
ORC Headsail area: 38.879m?
IRC Headsail area: 38.797m?
Surface area: 39.083m?
Forestay height: 15.750m
J: 5.030m

Draft Stripes

1, Luff: 4.852m ; Leech: 3.120m ;
2, Luff: 9.698m ; Leech: 7.768m ;

Luff Curve

14.650m, 0.000m
13.433m, 0.037m
12.086m, 0.067m
10.901m, 0.082m
9.523m, 0.088m
7.291m, 0.077m
4.761m, 0.052m
2.476m, 0.026m
0.000m, 0.000m

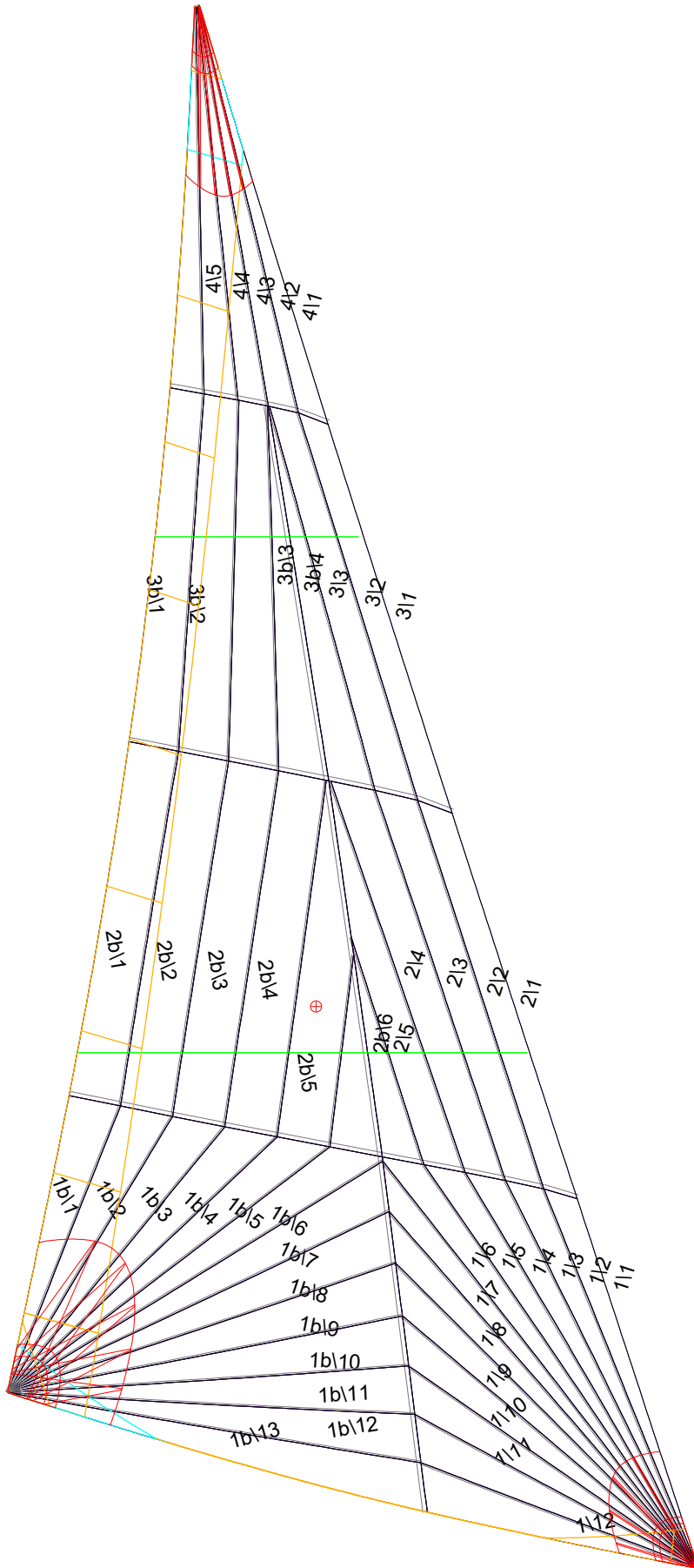
Fanned Luff (@ 5.00% [0.309m])

100% (14.651m) : 0.000m
90% (13.187m) : -0.041m
80% (11.721m) : -0.072m
70% (10.256m) : -0.088m
60% (8.791m) : -0.091m
50% (7.325m) : -0.085m
40% (5.860m) : -0.072m
30% (4.395m) : -0.056m
20% (2.930m) : -0.039m
10% (1.464m) : -0.020m
0% (0.000m) : 0.000m

Before BSeam

-0.000m
0.001m
0.007m
0.019m
0.033m
0.045m
0.052m
0.051m
0.044m
0.028m
0.000m

Genoa: 8000613 Pepijn-2 Moody 425 furlingYankeeV1.des



Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.038m	0.015m	0.038m
Zone: 1/b	0.038m	0.015m	0.038m
Zone: 2/a	0.038m	0.015m	0.038m
Zone: 2/b	0.038m	0.015m	0.038m
Zone: 3/a	0.038m	0.015m	0.038m
Zone: 3/b	0.038m	0.015m	0.038m
Zone: 4	0.038m	0.015m	0.038m
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	9.40
Radial/Vertical	143.18
Bi-Radial Split	10.36

Materials

Material	Area (m ²)	Panels
Material 1	39.16	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1\9,1\10 1\11,1\12,1b\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 2\1,2\2,2\3,2\4,2\5 2b\6,2b\5,2b\4,2b\3,2b\2 2b\1,3\1,3\2,3\3,3b\4 3b\3,3b\2,3b\1,4\1,4\2 4\3,4\4,4\5