

Genoa: 7000218 Jan-2 Dufour475 selftacking jib .des

Design Info

=====

Design File:

\\Nas\工程部-专用文件\Queenie-跟进客户\Fareast Sails\2023 Order\Need Confrim Order\7000218 Jan\7000218 Jan-2

Initial Design Date: 22/3/2023

Boat:

Comments:

Client:

Design Data

=====

Genoa

Measurements

Luff geodesic:	14.691m
Leech geodesic:	13.460m
Foot geodesic:	4.040m
Headboard width:	0.040m
Luff perpendicular (HLP):	3.650m
Upper width (HUW):	0.378m
Three-quarter width (HTW):	0.742m
Half width (HHW):	1.583m
Quarter width (HQW):	2.564m
Foot median:	14.031m
ORC Headsail area:	24.927m?
IRC Headsail area:	24.867m?
Surface area:	24.921m?
Forestay height:	14.270m
J:	4.970m

Draft Stripes

1, Luff: 4.866m ; Leech: 4.113m ;
2, Luff: 9.726m ; Leech: 8.693m ;

Luff Curve

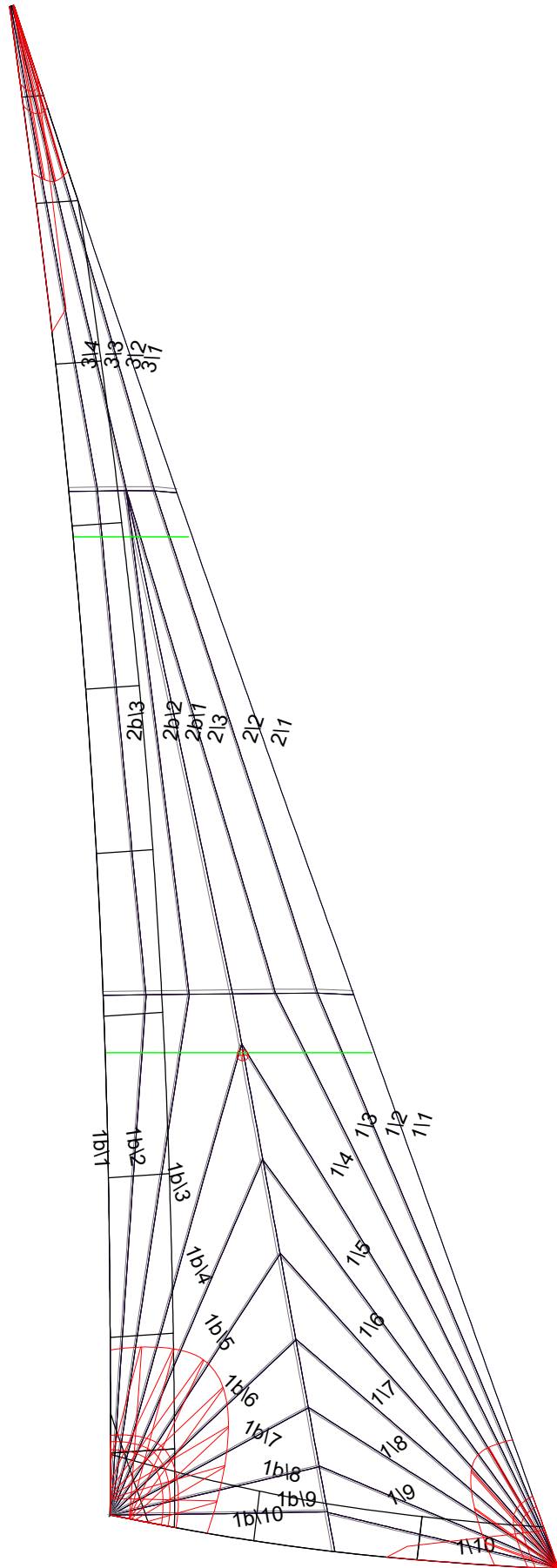
14.689m,	0.000m
13.469m,	0.037m
12.119m,	0.067m
10.930m,	0.082m
9.548m,	0.088m
7.310m,	0.077m
4.774m,	0.053m
2.483m,	0.026m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.199m])

100% (14.690m) :	-0.000m	0.000m
90% (13.220m) :	-0.041m	-0.019m
80% (11.753m) :	-0.071m	-0.028m
70% (10.283m) :	-0.086m	-0.030m
60% (8.814m) :	-0.088m	-0.026m
50% (7.345m) :	-0.081m	-0.017m
40% (5.876m) :	-0.067m	-0.008m
30% (4.407m) :	-0.051m	-0.001m
20% (2.938m) :	-0.034m	0.004m
10% (1.468m) :	-0.016m	0.005m
0% (0.000m) :	0.000m	0.000m

Before BSeam

Genoa: 7000218 Jan-2 Dufour475 selftacking jib .des



Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.025m	0.015m	0.035m
Zone: 1/b	0.025m	0.015m	0.035m
Zone: 2/a	0.025m	0.015m	0.035m
Zone: 2/b	0.025m	0.015m	0.035m
Zone: 3	0.025m	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	0.070m
Cover 2	0.000m	0.070m	0.070m
Cover 3	0.000m	0.070m	0.070m

Total Seam Lengths (m)

Horizontal	3.33
Radial/Vertical	95.20
Bi-Radial Split	9.86

Materials

Material	Area (m ²)	Panels
Material 1	24.97	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1\9,1\10 1b\1,1b\2,1b\3,1b\4,1b\5 1b\6,1b\7,1b\8,1b\9,1b\10 2\1,2\2,2\3,2b\1,2b\2 2b\3,3\1,3\2,3\3,3\4