

Genoa: 8000413 Jerome Feeling 486 headsail.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000413 Jerome F

Initial Design Date: 16/4/2024
Boat:
Feeling 486
Client:

Comments:

Design Data
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Genoa

Measurements

Luff geodesic: 15.840m
Leech geodesic: 13.698m
Foot geodesic: 6.286m
Headboard width: 0.045m
Luff perpendicular (HLP): 5.423m
Upper width (HUW): 0.596m
Three-quarter width (HTW): 1.178m
Half width (HHW): 2.466m
Quarter width (HQW): 3.899m
Foot median: 14.606m
ORC Headsail area: 40.901m?
IRC Headsail area: 40.798m?
Surface area: 41.135m?
Forestay height: 16.581m
J: 4.930m

Draft Stripes

1, Luff: 3.977m ; Leech: 2.214m ;
2, Luff: 7.953m ; Leech: 6.054m ;
3, Luff: 11.913m ; Leech: 9.849m ;

Luff Curve

15.837m, 0.000m
14.521m, 0.054m
13.065m, 0.097m
11.784m, 0.119m
10.294m, 0.128m
7.881m, 0.112m
5.147m, 0.076m
2.677m, 0.038m
0.000m, 0.000m

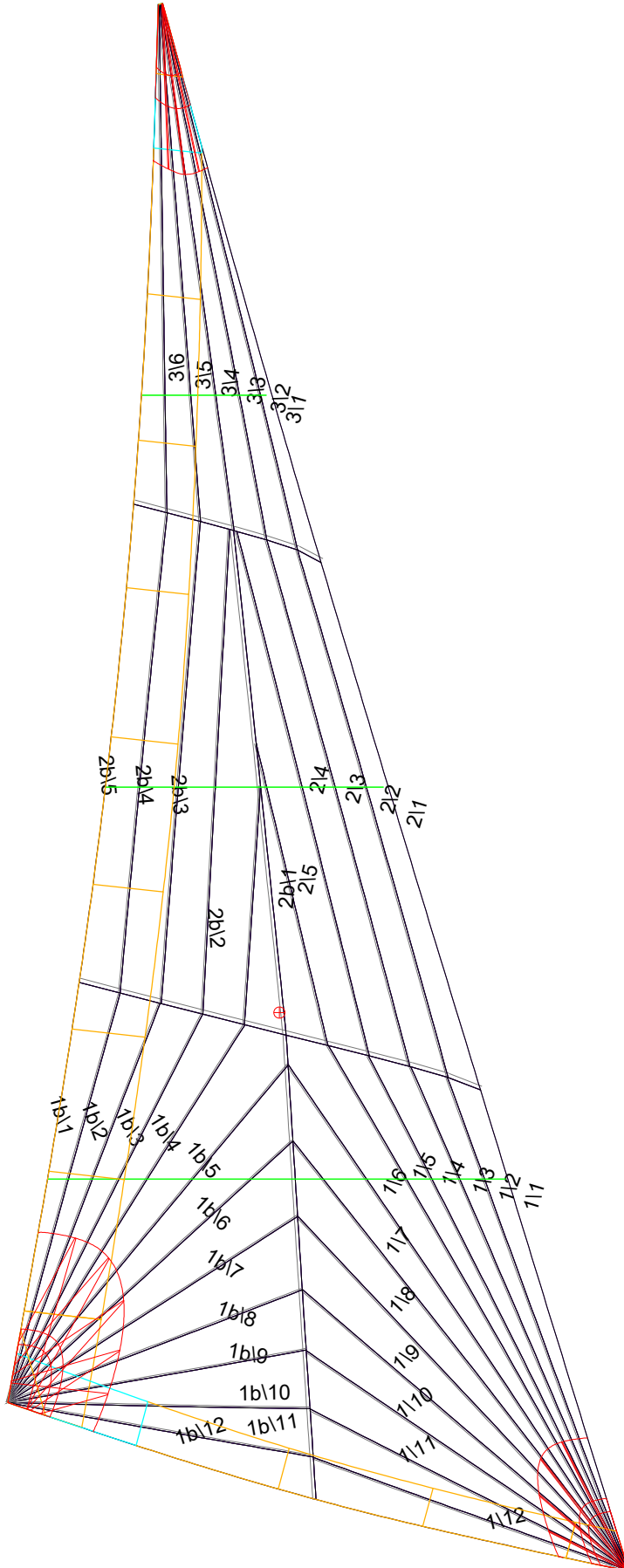
Fanned Luff (@ 5.00% [0.301m])

100% (15.837m) : 0.000m
90% (14.255m) : -0.061m
80% (12.671m) : -0.107m
70% (11.087m) : -0.129m
60% (9.503m) : -0.133m
50% (7.919m) : -0.123m
40% (6.335m) : -0.104m
30% (4.751m) : -0.080m
20% (3.168m) : -0.054m
10% (1.583m) : -0.028m
0% (0.000m) : 0.000m

Before BSeam

-0.000m
-0.015m
-0.019m
-0.010m
0.005m
0.021m
0.034m
0.038m
0.036m
0.024m
0.000m

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Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.032m	0.016m	0.040m
Zone: 1/b	0.032m	0.016m	0.040m
Zone: 2/a	0.032m	0.016m	0.040m
Zone: 2/b	0.032m	0.016m	0.040m
Zone: 3	0.032m	0.016m	0.040m
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	6.18
Radial/Vertical	155.09
Bi-Radial Split	9.80

Materials

Material	Area (m ²)	Panels
Material 1	41.22	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\12,2\1 2\2,2\3,2\4,2\5,2b\1 2b\2,2b\3,2b\4,2b\5,3\1 3\2,3\3,3\4,3\5,3\6