

Genoa: 8000913 James HeadsailV1.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000913 James h

Initial Design Date: 21/9/2024
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	12.018m
Leech geodesic:	11.200m
Foot geodesic:	4.200m
Headboard width:	0.035m
Luff perpendicular (HLP):	3.930m
Upper width (HUW):	0.426m
Three-quarter width (HTW):	0.842m
Half width (HHW):	1.784m
Quarter width (HQW):	2.817m
Foot median:	11.515m
ORC Headsail area:	22.430m?
IRC Headsail area:	22.388m?
Surface area:	22.416m?
Forestay height:	12.359m
J:	3.800m

Draft Stripes

1, Luff: 3.979m ; Leech: 3.482m ;
2, Luff: 7.954m ; Leech: 7.271m ;

Luff Curve

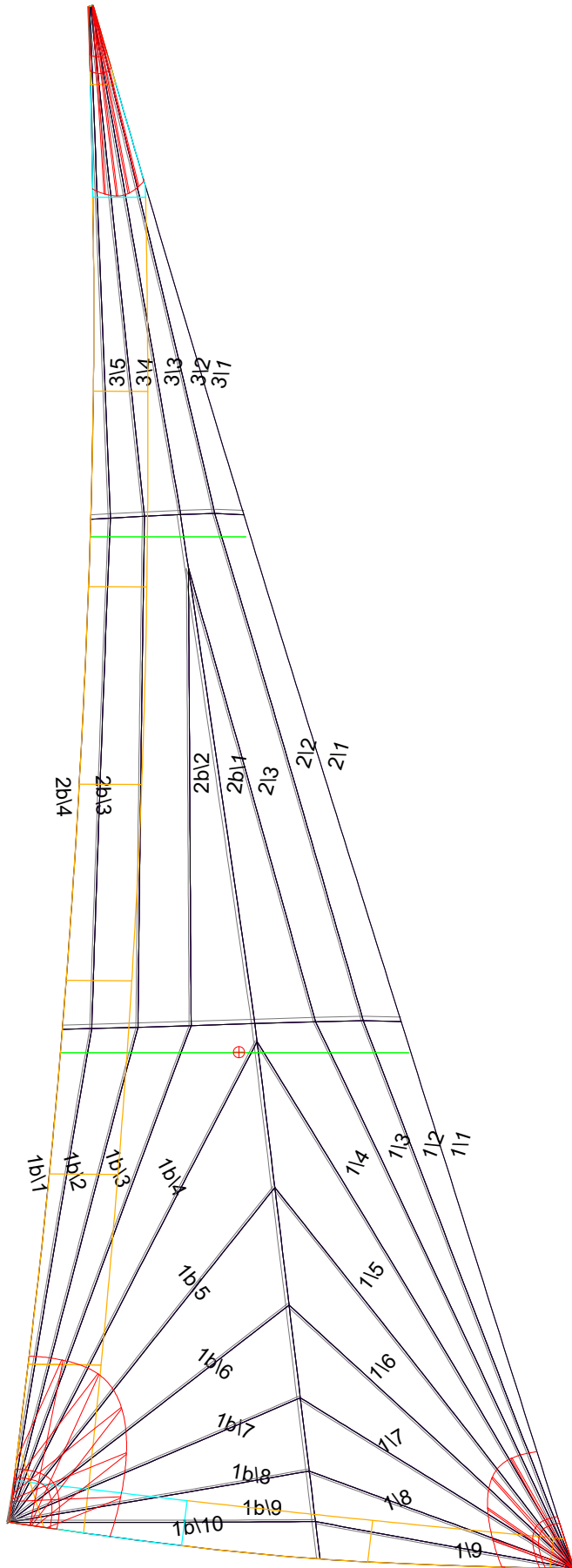
12.017m,	0.000m
11.018m,	0.031m
9.914m,	0.055m
8.942m,	0.068m
7.811m,	0.073m
5.980m,	0.064m
3.905m,	0.044m
2.031m,	0.022m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.207m])

100% (12.017m) :	0.000m	-0.000m
90% (10.815m) :	-0.032m	-0.007m
80% (9.614m) :	-0.056m	-0.008m
70% (8.412m) :	-0.069m	-0.003m
60% (7.210m) :	-0.071m	0.006m
50% (6.009m) :	-0.066m	0.015m
40% (4.807m) :	-0.056m	0.022m
30% (3.605m) :	-0.043m	0.024m
20% (2.404m) :	-0.030m	0.022m
10% (1.201m) :	-0.016m	0.015m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.025m	0.015m	0.032m
Zone: 1/b	0.025m	0.015m	0.032m
Zone: 2/a	0.025m	0.015m	0.032m
Zone: 2/b	0.025m	0.015m	0.032m
Zone: 3	0.025m	0.015m	0.032m
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	3.79
Radial/Vertical	87.97
Bi-Radial Split	8.07

Materials

Material	Area (m ²)	Panels
Material 2	22.46	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1\9,1b\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 2b\4,3\1,3\2,3\3,3\4 3\5