

Genoa: 7000504 Wolfgang -3 Catana 411 Catamaran Jib.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need Confrim Order\7000504 Wolfgang\70

Initial Design Date: 12/5/2023
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	14.384m
Leech geodesic:	11.367m
Foot geodesic:	5.270m
Headboard width:	0.033m
Luff perpendicular (HLP):	3.800m
Upper width (HUW):	0.399m
Three-quarter width (HTW):	0.787m
Half width (HHW):	1.665m
Quarter width (HQW):	2.680m
Foot median:	12.789m
ORC Headsail area:	25.531m?
IRC Headsail area:	25.484m?
Surface area:	25.927m?
Forestay height:	15.100m
J:	4.000m

Draft Stripes

1, Luff: 4.765m ; Leech: 1.994m ;
2, Luff: 9.522m ; Leech: 6.600m ;

Luff Curve

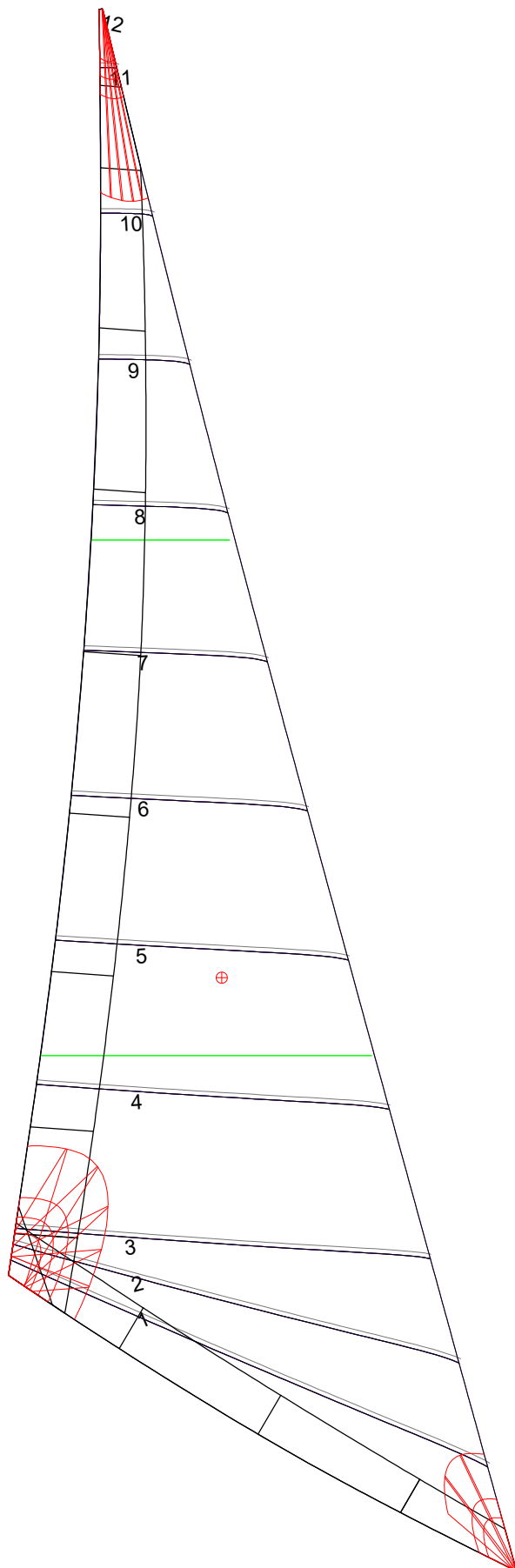
14.380m,	0.000m
13.185m,	0.049m
11.864m,	0.088m
10.700m,	0.108m
9.348m,	0.116m
7.156m,	0.102m
4.674m,	0.069m
2.431m,	0.035m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.226m])

100% (14.381m) :	0.000m	-0.000m
90% (12.948m) :	-0.065m	-0.023m
80% (11.504m) :	-0.110m	-0.033m
70% (10.068m) :	-0.132m	-0.031m
60% (8.629m) :	-0.134m	-0.021m
50% (7.191m) :	-0.121m	-0.007m
40% (5.753m) :	-0.101m	0.006m
30% (4.315m) :	-0.077m	0.015m
20% (2.876m) :	-0.051m	0.019m
10% (1.438m) :	-0.026m	0.016m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1	0.040m	0.040m	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

Sail:	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	0.000m	0.000m
Cover 3	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	25.66
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	25.98	1,2,3,4,5 6,7,8,9,10 11,12