

Genoa: 7000504 Wolfgang -2 Catana 411 Catamaran Headsail.des

Design Info
=====

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
=====

Genoa

Measurements

Luff geodesic:	14.530m
Leech geodesic:	11.830m
Foot geodesic:	6.200m
Headboard width:	0.033m
Luff perpendicular (HLP):	4.959m
Upper width (HUW):	0.541m
Three-quarter width (HTW):	1.074m
Half width (HHW):	2.245m
Quarter width (HQW):	3.554m
Foot median:	13.029m
ORC Headsail area:	34.220m?
IRC Headsail area:	34.157m?
Surface area:	34.669m?
Forestay height:	15.100m
J:	4.000m

Draft Stripes

1, Luff: 4.813m ; Leech: 2.265m ;
2, Luff: 9.619m ; Leech: 6.977m ;

Luff Curve

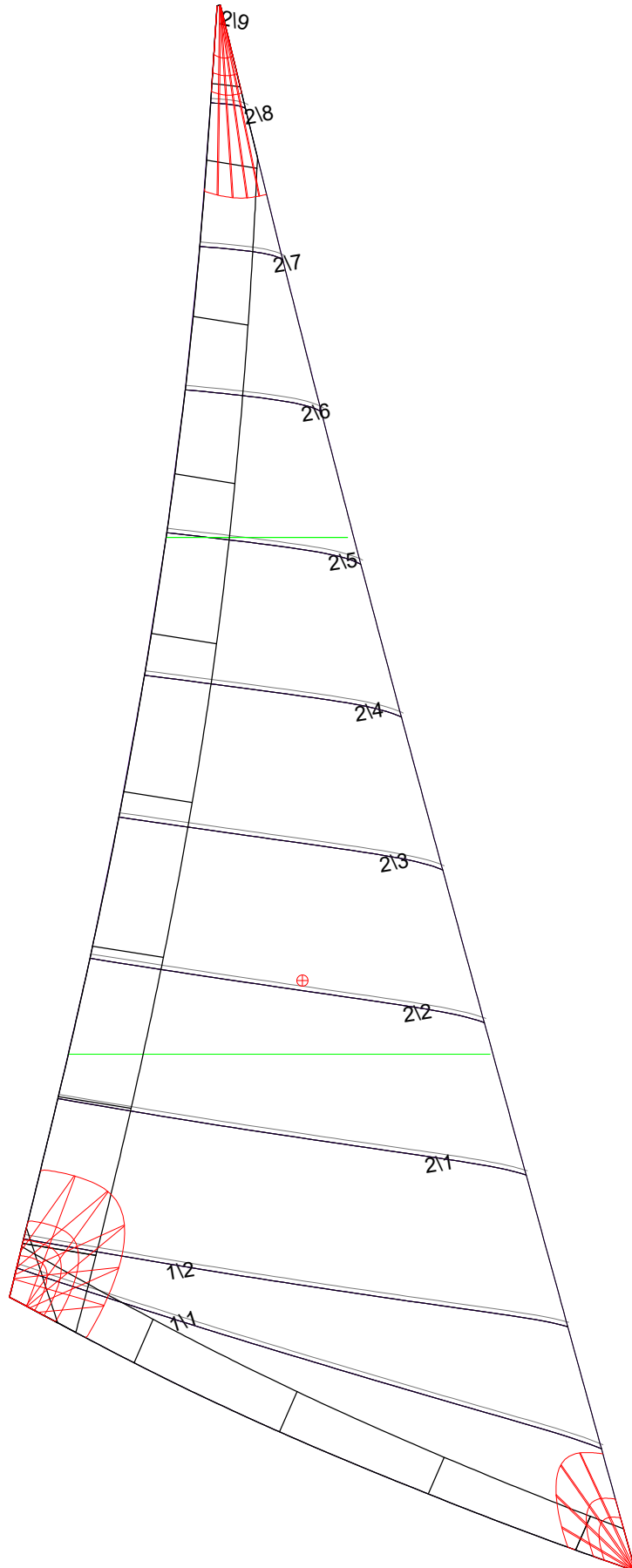
14.526m,	0.000m
13.319m,	0.049m
11.984m,	0.089m
10.809m,	0.110m
9.443m,	0.117m
7.229m,	0.103m
4.721m,	0.070m
2.455m,	0.035m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.281m])

100% (14.527m) :	0.000m	0.000m
90% (13.079m) :	-0.062m	-0.008m
80% (11.621m) :	-0.107m	-0.005m
70% (10.170m) :	-0.128m	0.003m
60% (8.717m) :	-0.131m	0.015m
50% (7.264m) :	-0.119m	0.027m
40% (5.811m) :	-0.099m	0.036m
30% (4.358m) :	-0.075m	0.039m
20% (2.906m) :	-0.049m	0.035m
10% (1.452m) :	-0.025m	0.022m
0% (0.000m) :	0.000m	0.000m

Before BSeam

Genoa: 7000504 Wolfgang -2 Catana 411 Catamaran Headsail.des



Seam Allowances

	Split	Radial	Cross
Zone: 1	0.040m	0.040m	0.040m
Zone: 2	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

	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	29.03
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	34.73	1\1,1\2,2\1,2\2,2\3 2\4,2\5,2\6,2\7,2\8 2\9