

Genoa: 7001003 Kasper-1 Lagoon570 Selftacking jib.des

Design Info
=====

Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need to be Confirmed\7001003 Kasper\70

Initial Design Date: 18/10/2023
Boat:

Comments:

Client:

Design Data
=====

Genoa

Measurements

Luff geodesic:	18.800m
Leech geodesic:	17.300m
Foot geodesic:	4.750m
Headboard width:	0.035m
Luff perpendicular (HLP):	4.303m
Upper width (HUW):	0.453m
Three-quarter width (HTW):	0.900m
Half width (HHW):	1.915m
Quarter width (HQW):	3.067m
Foot median:	18.012m
ORC Headsail area:	38.079m?
IRC Headsail area:	37.967m?
Surface area:	38.073m?
Forestay height:	18.600m
J:	5.180m

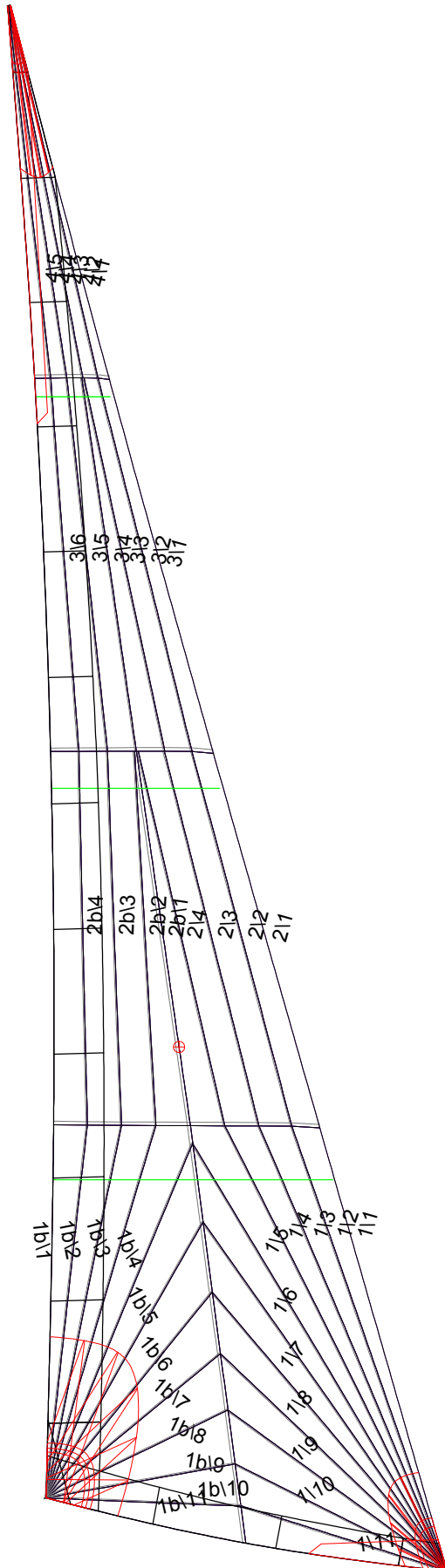
Draft Stripes

- 1, Luff: 4.714m ; Leech: 3.690m ;
- 2, Luff: 9.427m ; Leech: 8.217m ;
- 3, Luff: 14.128m ; Leech: 12.739m ;

Luff Curve

		Fanned Luff (@ 5.00% [0.232m])	Before BSeam
18.798m,	0.000m	100% (18.798m) :	0.000m
17.236m,	0.047m	90% (16.918m) :	-0.052m
15.508m,	0.086m	80% (15.040m) :	-0.090m
13.988m,	0.105m	70% (13.159m) :	-0.109m
12.219m,	0.113m	60% (11.279m) :	-0.112m
9.355m,	0.099m	50% (9.399m) :	-0.104m
6.109m,	0.067m	40% (7.520m) :	0.001m
3.177m,	0.034m	30% (5.639m) :	0.012m
0.000m,	0.000m	20% (3.760m) :	0.018m
		10% (1.879m) :	0.020m
		0% (0.000m) :	-0.046m
			0.015m
			0.000m

Genoa: 7001003 Kasper-1 Lagoon570 Selftacking jib.des



Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.035m	0.015m	0.040m
Zone: 1/b	0.035m	0.015m	0.040m
Zone: 2/a	0.035m	0.015m	0.040m
Zone: 2/b	0.035m	0.015m	0.040m
Zone: 3	0.035m	0.015m	0.040m
Zone: 4	0.035m	0.015m	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	6.11
Radial/Vertical	144.51
Bi-Radial Split	9.51

Materials

Material	Area (m ²)	Panels
Material 1	38.15	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1\9,1\10 1\11,1b\1,1b\2,1b\3,1b\4 1b\5,1b\6,1b\7,1b\8,1b\9 1b\10,1b\11,2\1,2\2,2\3 2\4,2b\1,2b\2,2b\3,2b\4 3\1,3\2,3\3,3\4,3\5 3\6,4\1,4\2,4\3,4\4 4\5