

Genoa: prelim design for Lagoon 570 selftacking jib.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need to be Confirmed\Preliminary design\

Initial Design Date: 10/10/2023
Boat:

Comments:

Client:

Design Data
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Genoa

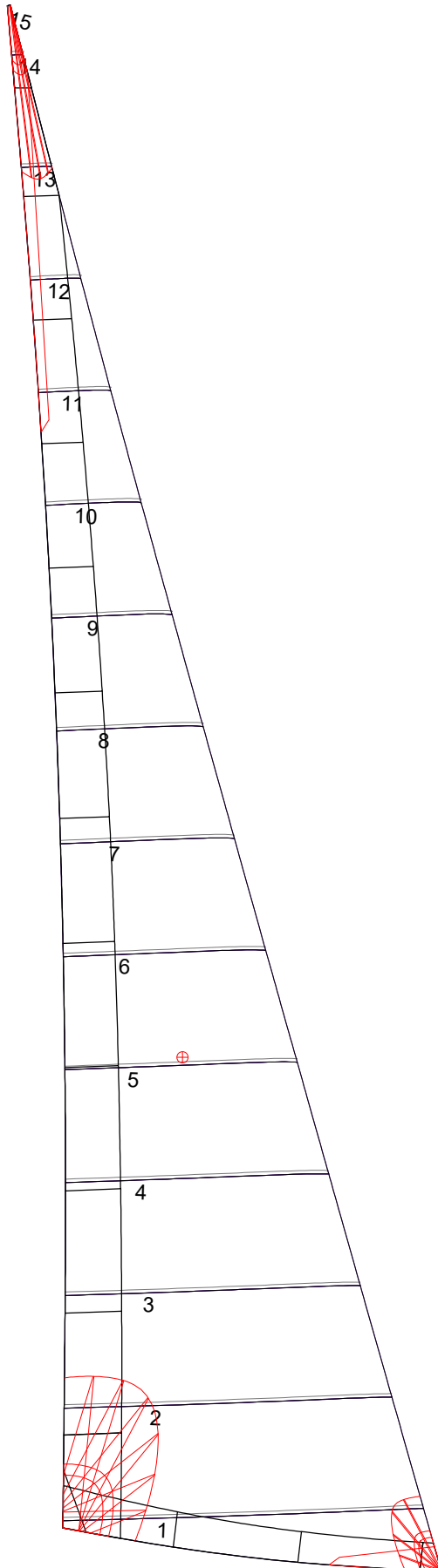
Measurements

Luff geodesic:	18.800m
Leech geodesic:	17.665m
Foot geodesic:	4.444m
Headboard width:	0.035m
Luff perpendicular (HLP):	4.144m
Upper width (HUW):	0.434m
Three-quarter width (HTW):	0.863m
Half width (HHW):	1.842m
Quarter width (HQW):	2.952m
Foot median:	18.202m
ORC Headsail area:	36.638m?
IRC Headsail area:	36.523m?
Surface area:	36.559m?
Forestay height:	18.835m
J:	5.180m

Luff Curve

		Fanned Luff (@ 5.00% [0.219m])	Before BSeam
18.798m,	0.000m	100% (18.798m) :	-0.000m
17.236m,	0.047m	90% (16.918m) :	-0.051m
15.508m,	0.086m	80% (15.040m) :	-0.087m
13.988m,	0.105m	70% (13.159m) :	-0.105m
12.219m,	0.113m	60% (11.279m) :	-0.108m
9.355m,	0.099m	50% (9.399m) :	-0.099m
6.109m,	0.067m	40% (7.520m) :	-0.083m
3.177m,	0.034m	30% (5.639m) :	-0.064m
0.000m,	0.000m	20% (3.760m) :	-0.044m
		10% (1.879m) :	-0.023m
		0% (0.000m) :	0.000m

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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	0.070m	0.070m
Cover 3	0.000m	0.070m	0.070m

Total Seam Lengths (m)

Horizontal	28.64
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	36.65	1,2,3,4,5 6,7,8,9,10 11,12,13,14,15