

Genoa: 5000105 Rune.des

Design Info
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Design File:
F:\Dropbox (个人)\Fareast Sails\2021\5000105 Rune\5000105 Rune.des

Initial Design Date: 23/1/2021
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic: 13.160m
Leech geodesic: 12.786m
Foot geodesic: 5.734m
Headboard width: 0.035m
Luff perpendicular (HLP): 5.535m
Upper width (HUW): 0.628m
Three-quarter width (HTW): 1.245m
Half width (HHW): 2.609m
Quarter width (HQW): 4.068m
Foot median: 12.857m
ORC Headsail area: 35.304m?
IRC Headsail area: 35.189m?
Surface area: 35.662m?
Forestay height: 14.550m
J: 4.100m

Luff Curve

		Fanned Luff (@ 5.00% [0.285m])	Before BSeam
13.158m,	0.000m	100% (13.158m) :	-0.000m
12.064m,	0.045m	90% (11.840m) :	-0.047m
10.855m,	0.081m	80% (10.528m) :	-0.087m
9.791m,	0.099m	70% (9.211m) :	-0.106m
8.553m,	0.106m	60% (7.895m) :	-0.106m
6.548m,	0.093m	50% (6.579m) :	-0.096m
4.276m,	0.063m	40% (5.263m) :	-0.081m
2.224m,	0.032m	30% (3.947m) :	-0.063m
0.000m,	0.000m	20% (2.632m) :	-0.043m
		10% (1.315m) :	-0.024m
		0% (0.000m) :	0.000m

Section Data

Position	Camber	Draft	Twist	Entry	Exit	Roach	Fwd Camb	Aft Camb
100.00%	12.089%	40.000%	15.000?	41.310?	-20.579?	0.000m	9.743%	8.457%
80.00%	12.140%	39.000%	12.000?	40.834?	-20.246?	-0.119m	9.729%	8.538%
60.00%	11.996%	38.000%	9.000?	40.192?	-19.671?	-0.180m	9.589%	8.437%
40.00%	11.477%	37.000%	6.000?	39.050?	-18.601?	-0.180m	9.196%	8.080%
20.00%	9.651%	36.000%	3.000?	35.108?	-15.495?	-0.127m	7.858%	6.814%
10.00%	7.469%	35.500%	1.500?	28.443?	-11.943?	-0.075m	6.155%	5.289%
0.00%	4.076%	35.000%	0.000?	18.435?	-6.776?	0.000m	3.554%	2.906%

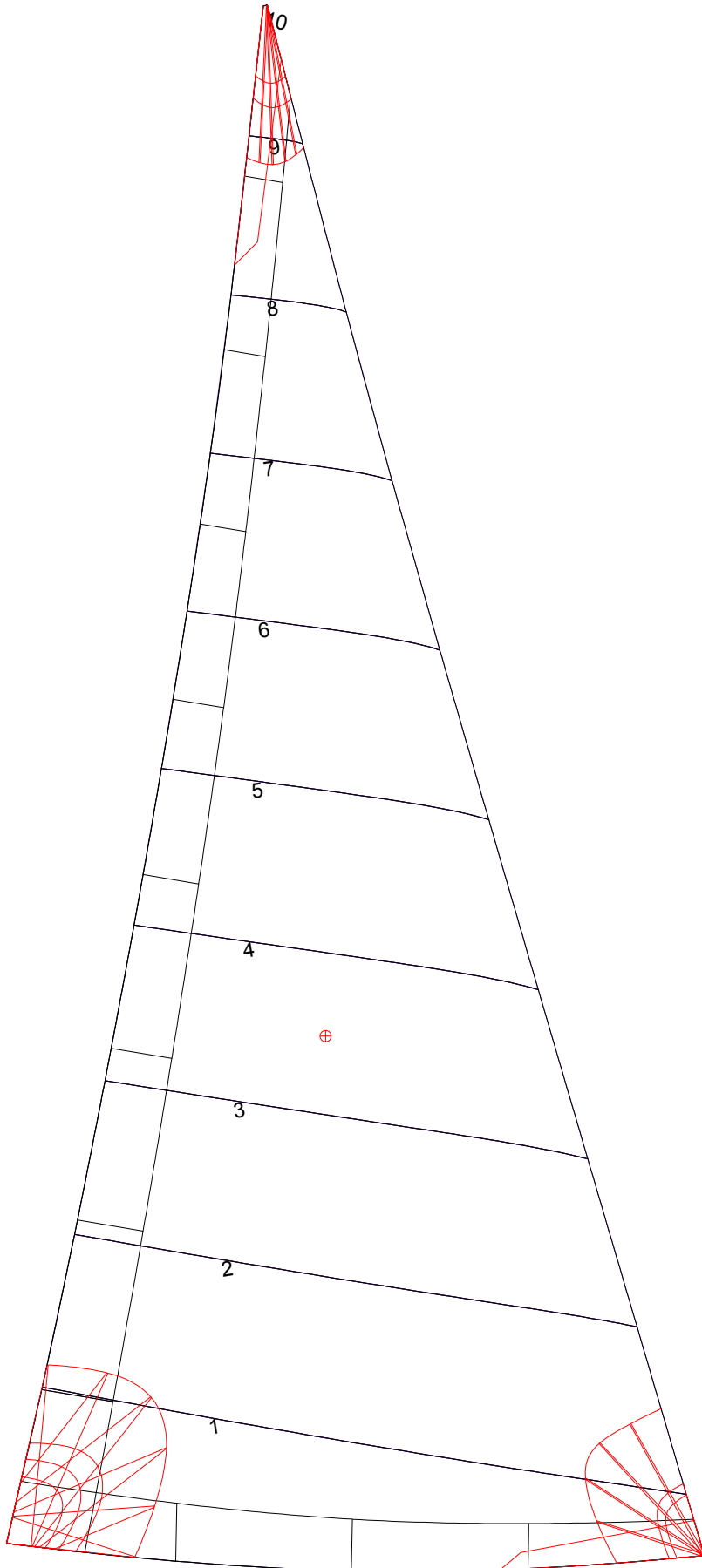
Chord Data

Luff LL : 13.1576m
Leech : 12.7433m
Luff Perpendicular : 5.4562m
Clew Height : 0.1000m
Headboard width : 0.0350m

Fanned Foot Curve Depths

25.0% 50.0% 75.0%
0.1041m 0.1495m 0.1064m

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Seam Allowances

	Split	Radial	Cross
Zone: 1	0.000m	0.000m	0.035m
Cover 1	0.025m	0.025m	0.025m
Cover 2	0.025m	0.025m	0.025m

Edge Excesses

	Luff	Leech	Foot
Sail:	0.000m	0.000m	0.000m
Cover 0	0.050m	0.050m	0.050m
Cover 1	0.050m	0.050m	0.050m

Total Seam Lengths (m)

Horizontal	25.83
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	35.75	1,2,3,4,5 6,7,8,9,10