

Genoa: 5000202 Peter.des

Design Info
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Design File:
F:\Dropbox (个人)\Fareast Sails\2021\5000202 Peter\5000202 Peter.des

Initial Design Date: 5/2/2021
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic: 9.400m
Leech geodesic: 9.000m
Foot geodesic: 4.960m
Headboard width: 0.035m
Luff perpendicular (HLP): 4.708m
Upper width (HUW): 0.544m
Three-quarter width (HTW): 1.074m
Half width (HHW): 2.229m
Quarter width (HQW): 3.461m
Foot median: 9.044m
ORC Headsail area: 21.508m?
IRC Headsail area: 21.455m?
Surface area: 21.812m?
Forestay height: 10.570m
J: 3.180m

Luff Curve

		Fanned Luff (@ 5.00% [0.246m])	Before BSeam
9.398m,	0.000m	100% (9.398m) :	0.000m -0.000m
8.617m,	0.032m	90% (8.458m) :	-0.033m -0.006m
7.754m,	0.058m	80% (7.520m) :	-0.062m -0.009m
6.993m,	0.071m	70% (6.579m) :	-0.076m -0.002m
6.109m,	0.076m	60% (5.640m) :	-0.076m 0.011m
4.677m,	0.067m	50% (4.699m) :	-0.070m 0.027m
3.054m,	0.045m	40% (3.760m) :	-0.059m 0.041m
1.589m,	0.023m	30% (2.819m) :	-0.046m 0.050m
0.000m,	0.000m	20% (1.880m) :	-0.032m 0.046m
		10% (0.939m) :	-0.018m 0.025m
		0% (0.000m) :	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%	8.486%
80.00%	12.140%	39.000%	12.000?	40.834?	-20.246?	-0.099m	9.728%	8.538%
60.00%	11.996%	38.000%	9.000?	40.192?	-19.671?	-0.150m	9.590%	8.438%
40.00%	11.477%	37.000%	6.000?	39.050?	-18.601?	-0.150m	9.195%	8.081%
20.00%	9.651%	36.000%	3.000?	35.108?	-15.495?	-0.106m	7.858%	6.815%
10.00%	7.469%	35.500%	1.500?	28.443?	-11.943?	-0.062m	6.155%	5.289%
0.00%	4.076%	35.000%	0.000?	18.435?	-6.776?	0.000m	3.556%	2.911%

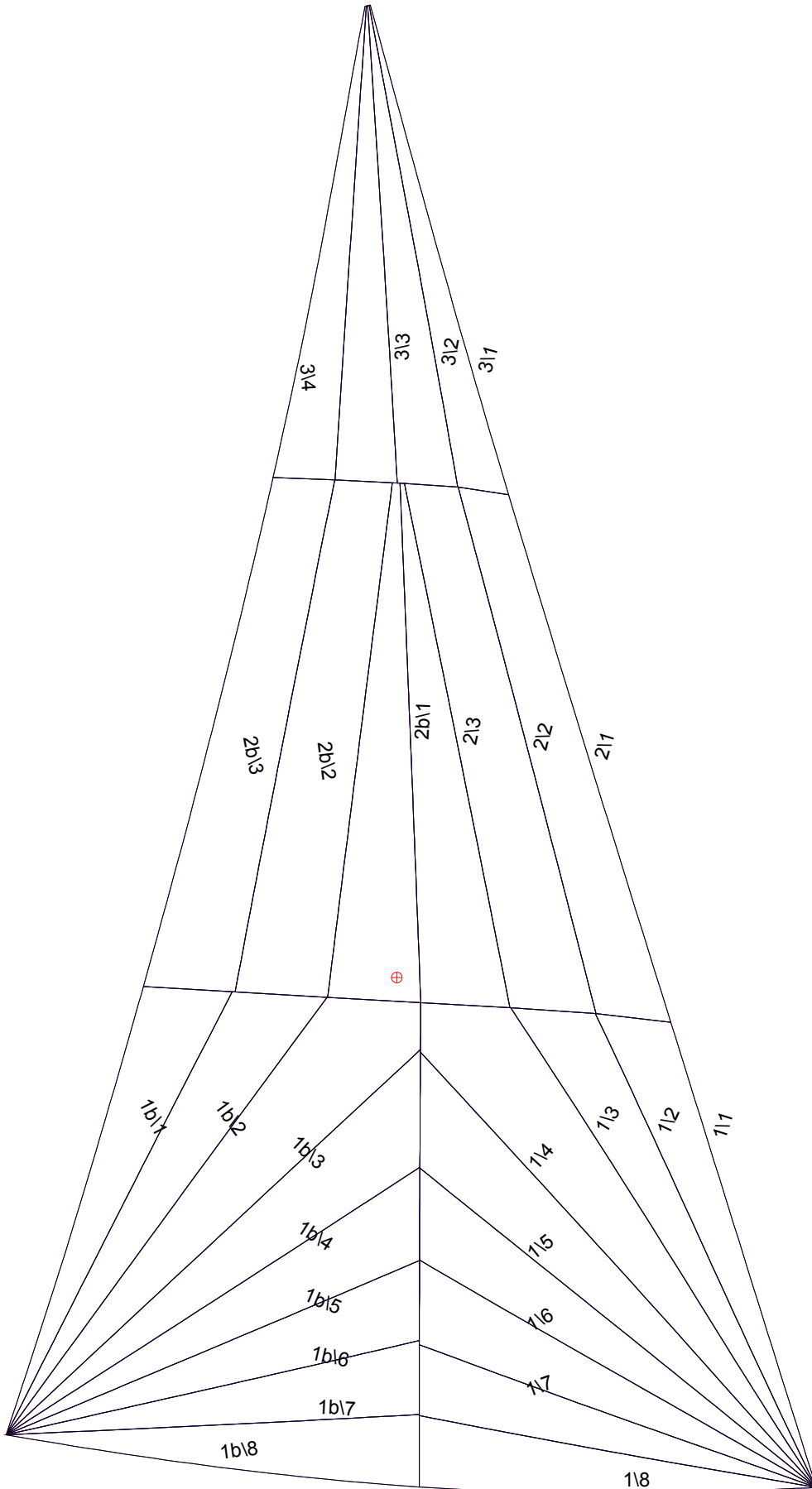
Chord Data

Luff LL : 9.3982m
Leech : 8.9562m
Luff Perpendicular : 4.7660m
Clew Height : 0.3204m
Headboard width : 0.0350m

Fanned Foot Curve Depths

25.0% 50.0% 75.0%
0.0860m 0.1251m 0.0893m

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Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.000m	0.000m	0.000m
Zone: 1/b	0.000m	0.000m	0.000m
Zone: 2/a	0.000m	0.000m	0.000m
Zone: 2/b	0.000m	0.000m	0.000m
Zone: 3	0.035m	0.015m	0.035m

Edge Excesses

Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	0.00
Radial/Vertical	8.81
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	21.86	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1b\1,1b\2 1b\3,1b\4,1b\5,1b\6,1b\7 1b\8,2\1,2\2,2\3,2b\1 2b\2,2b\3,3\1,3\2,3\3 3\4