

Genoa: 8000231 Peter Racing 155% headsailV2.des

Design Info

=====

Design File:

\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000231 Peter head

Initial Design Date: 21/3/2024
Boat:

Comments:

Client:

Design Data

=====

Genoa

Measurements

Luff geodesic:	11.278m
Leech geodesic:	11.096m
Foot geodesic:	6.208m
Headboard width:	0.055m
Luff perpendicular (HLP):	5.981m
Upper width (HUW):	0.709m
Three-quarter width (HTW):	1.383m
Half width (HHW):	2.846m
Quarter width (HQW):	4.404m
Foot median:	11.102m
ORC Headsail area:	32.929m ²
IRC Headsail area:	32.822m ²
Surface area:	33.977m ²
Forestay height:	11.887m
J:	3.859m

Draft Stripes

1, Luff: 2.834m ; Leech: 2.821m ;
2, Luff: 5.660m ; Leech: 5.590m ;
3, Luff: 8.475m ; Leech: 8.307m ;

Luff Curve

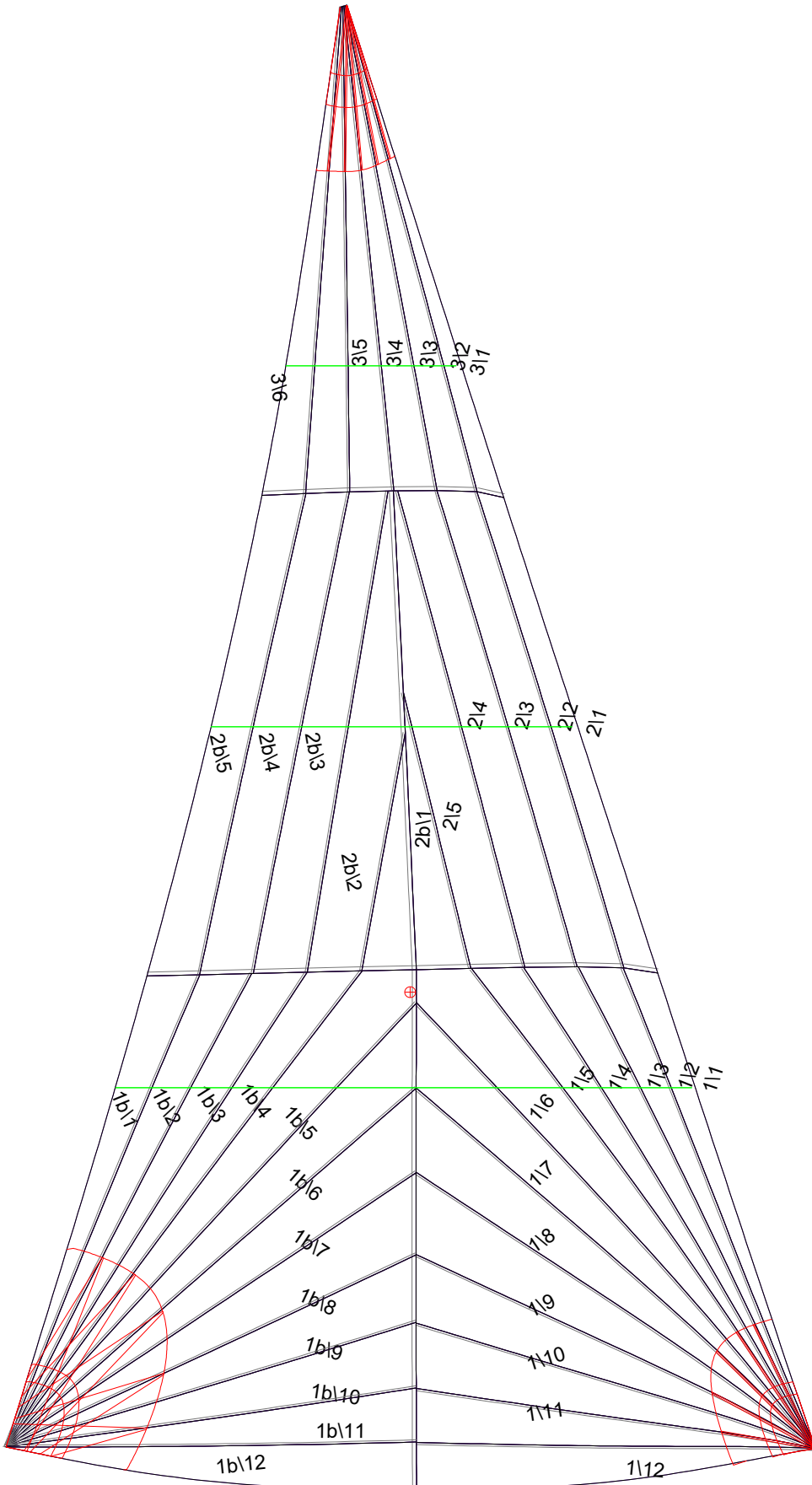
11.276m,	0.000m
9.015m,	0.048m
6.755m,	0.066m
4.500m,	0.060m
2.248m,	0.038m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.301m])

100% (11.277m) :	0.000m	-0.000m
90% (10.149m) :	-0.021m	0.020m
80% (9.022m) :	-0.042m	0.040m
70% (7.894m) :	-0.056m	0.062m
60% (6.766m) :	-0.063m	0.082m
50% (5.638m) :	-0.063m	0.097m
40% (4.511m) :	-0.060m	0.102m
30% (3.383m) :	-0.053m	0.095m
20% (2.256m) :	-0.040m	0.075m
10% (1.126m) :	-0.022m	0.043m
0% (0.000m) :	-0.000m	0.000m

Before BSeam

Genoa: 8000231 Peter Racing 155% headsailV2.des



Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.030m	0.016m	0.030m
Zone: 1/b	0.030m	0.016m	0.030m
Zone: 2/a	0.030m	0.016m	0.030m
Zone: 2/b	0.030m	0.016m	0.030m
Zone: 3	0.030m	0.016m	0.030m

Edge Excesses

Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	6.03
Radial/Vertical	128.72
Bi-Radial Split	7.72

Materials

Material	Area (m ²)	Panels
Material 1	33.91	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1\9,1\10 1\11,1\12,1b\1,1b\2,1b\3 1b\4,1b\5,1b\6,1b\7,1b\8 1b\9,1b\10,1b\11,1b\12,2\1 2\2,2\3,2\4,2\5,2b\1 2b\2,2b\3,2b\4,2b\5,3\1 3\2,3\3,3\4,3\5,3\6