

Genoa: 8000231 Peter headsail.des

Design Info
=====

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

Initial Design Date: 6/3/2024
Boat:

Comments:

Client:

Design Data
=====

Genoa

Measurements

Luff geodesic:	11.284m
Leech geodesic:	10.970m
Foot geodesic:	6.497m
Headboard width:	0.055m
Luff perpendicular (HLP):	6.174m
Upper width (HUW):	0.727m
Three-quarter width (HTW):	1.435m
Half width (HHW):	2.939m
Quarter width (HQW):	4.546m
Foot median:	10.917m
ORC Headsail area:	34.023m?
IRC Headsail area:	33.917m?
Surface area:	34.577m?
Forestay height:	11.887m
J:	3.859m

Draft Stripes

- 1, Luff: 2.836m ; Leech: 2.633m ;
- 2, Luff: 5.663m ; Leech: 5.431m ;
- 3, Luff: 8.480m ; Leech: 8.172m ;

Luff Curve

11.283m,	0.000m
9.020m,	0.048m
6.759m,	0.066m
4.502m,	0.060m
2.249m,	0.038m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.316m])

100% (11.283m) :	0.000m	0.000m
90% (10.154m) :	-0.024m	0.016m
80% (9.027m) :	-0.046m	0.032m
70% (7.898m) :	-0.061m	0.048m
60% (6.770m) :	-0.067m	0.063m
50% (5.641m) :	-0.067m	0.074m
40% (4.513m) :	-0.064m	0.079m
30% (3.385m) :	-0.056m	0.074m
20% (2.257m) :	-0.042m	0.056m
10% (1.127m) :	-0.023m	0.029m
0% (0.000m) :	0.000m	0.000m

Before BSeam

Genoa: 8000231 Peter headsail.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	6.35
Radial/Vertical	130.09
Bi-Radial Split	7.52

Materials

Material	Area (m ²)	Panels
Material 1	34.62	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

