

Genoa: 8000231 Peter Racing headsailV1.des

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

Initial Design Date: 12/3/2024
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	11.284m
Leech geodesic:	11.047m
Foot geodesic:	6.439m
Headboard width:	0.055m
Luff perpendicular (HLP):	6.174m
Upper width (HUW):	0.732m
Three-quarter width (HTW):	1.431m
Half width (HHW):	2.944m
Quarter width (HQW):	4.550m
Foot median:	11.053m
ORC Headsail area:	34.044m?
IRC Headsail area:	33.935m?
Surface area:	35.150m?
Forestay height:	11.887m
J:	3.859m

Draft Stripes

- 1, Luff: 2.836m ; Leech: 2.721m ;
- 2, Luff: 5.663m ; Leech: 5.510m ;
- 3, Luff: 8.480m ; Leech: 8.240m ;

Luff Curve

		Fanned Luff (@ 5.00% [0.312m])	Before BSeam
11.283m,	0.000m	100% (11.283m) :	0.000m
9.020m,	0.048m	90% (10.154m) :	-0.022m
6.759m,	0.066m	80% (9.027m) :	0.022m
4.502m,	0.060m	70% (7.898m) :	0.044m
2.249m,	0.038m	60% (6.770m) :	0.066m
0.000m,	0.000m	50% (5.642m) :	0.087m
		40% (4.513m) :	-0.064m
		30% (3.385m) :	0.103m
		20% (2.257m) :	0.108m
		10% (1.127m) :	0.100m
		0% (0.000m) :	-0.041m
			0.080m
			0.046m
			0.000m

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Seam Allowances

Zone:	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	6.27
Radial/Vertical	130.16
Bi-Radial Split	7.69

Materials

Material	Area (m ²)	Panels
Material 1	35.08	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

