

Genoa: 8000406 Bert Seaburban 45 jibV1.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000406 Bert Seal

Initial Design Date: 12/4/2024
Boat:
Seaburban 45
Client:

Comments:

Design Data
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Genoa

Measurements

Luff geodesic:	30.115Ft
Leech geodesic:	27.500Ft
Foot geodesic:	9.331Ft
Headboard width:	0.148Ft
Luff perpendicular (HLP):	8.489Ft
Upper width (HUW):	0.989Ft
Three-quarter width (HTW):	1.879Ft
Half width (HHW):	3.868Ft
Quarter width (HQW):	6.099Ft
Foot median:	28.654Ft
ORC Headsail area:	122.264Ft?
IRC Headsail area:	121.933Ft?
Surface area:	122.429Ft?
Forestay height:	31.250Ft
J:	11.160Ft

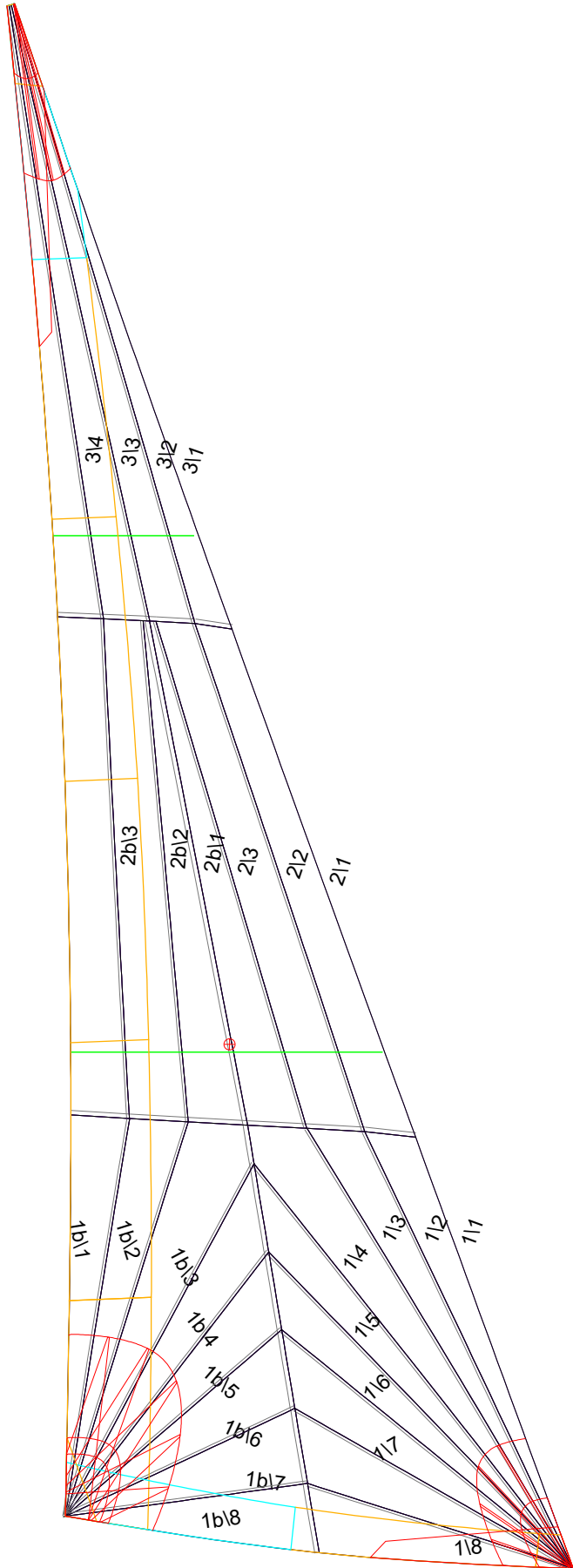
Draft Stripes

1, Luff: 9.977Ft ; Leech: 8.433Ft ;
2, Luff: 19.939Ft ; Leech: 17.783Ft ;

Luff Curve

		Fanned Luff (@ 5.00% [0.460Ft])	Before BSeam
30.112Ft,	0.000Ft	100% (30.112Ft) :	-0.000Ft
27.609Ft,	0.076Ft	90% (27.100Ft) :	-0.081Ft
24.842Ft,	0.137Ft	80% (24.092Ft) :	-0.140Ft
22.406Ft,	0.169Ft	70% (21.079Ft) :	-0.170Ft
19.573Ft,	0.181Ft	60% (18.068Ft) :	-0.175Ft
14.985Ft,	0.159Ft	50% (15.057Ft) :	-0.162Ft
9.786Ft,	0.108Ft	40% (12.045Ft) :	-0.137Ft
5.090Ft,	0.054Ft	30% (9.033Ft) :	-0.107Ft
0.000Ft,	0.000Ft	20% (6.024Ft) :	-0.072Ft
		10% (3.009Ft) :	-0.038Ft
		0% (0.000Ft) :	0.000Ft

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Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.082Ft	0.049Ft	0.082Ft
Zone: 1/b	0.082Ft	0.049Ft	0.082Ft
Zone: 2/a	0.082Ft	0.049Ft	0.082Ft
Zone: 2/b	0.082Ft	0.049Ft	0.082Ft
Zone: 3	0.082Ft	0.049Ft	0.082Ft
Cover 1	0.082Ft	0.082Ft	0.082Ft
Cover 2	0.082Ft	0.082Ft	0.082Ft
Cover 3	0.000Ft	0.000Ft	0.000Ft
Cover 4	0.000Ft	0.000Ft	0.000Ft

Edge Excesses

	Luff	Leech	Foot
Sail:	0.000Ft	0.000Ft	0.000Ft
Cover 0	0.230Ft	0.328Ft	0.230Ft
Cover 1	0.230Ft	0.230Ft	0.328Ft
Cover 2	0.000Ft	0.230Ft	0.230Ft
Cover 3	0.000Ft	0.230Ft	0.230Ft

Total Seam Lengths (Ft)

Horizontal	9.81
Radial/Vertical	168.70
Bi-Radial Split	17.73

Materials

Material	Area (Ft ²)	Panels
Material 1	122.66	1i1,1i2,1i3,1i4,1i5 1i6,1i7,1i8,1b1,1b2 1b3,1b4,1b5,1b6,1b7 1b8,2i1,2i2,2i3,2b1 2b2,2b3,3i1,3i2,3i3 3i4