

Genoa: 8000707 Sonny-2 Compact 33 Headsail.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000707 Sonny C

Initial Design Date: 22/7/2024
Boat:
Compact 33
Client:

Comments:

Design Data
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Genoa

Measurements

Luff geodesic: 39.600Ft
Leech geodesic: 32.834Ft
Foot geodesic: 17.908Ft
Headboard width: 0.164Ft
Luff perpendicular (HLP): 14.850Ft
Upper width (HUW): 1.718Ft
Three-quarter width (HTW): 3.346Ft
Half width (HHW): 6.875Ft
Quarter width (HQW): 10.754Ft
Foot median: 35.675Ft
ORC Headsail area: 283.065Ft?
IRC Headsail area: 282.450Ft?
Surface area: 286.643Ft?
Forestay height: 44.500Ft
J: 13.500Ft

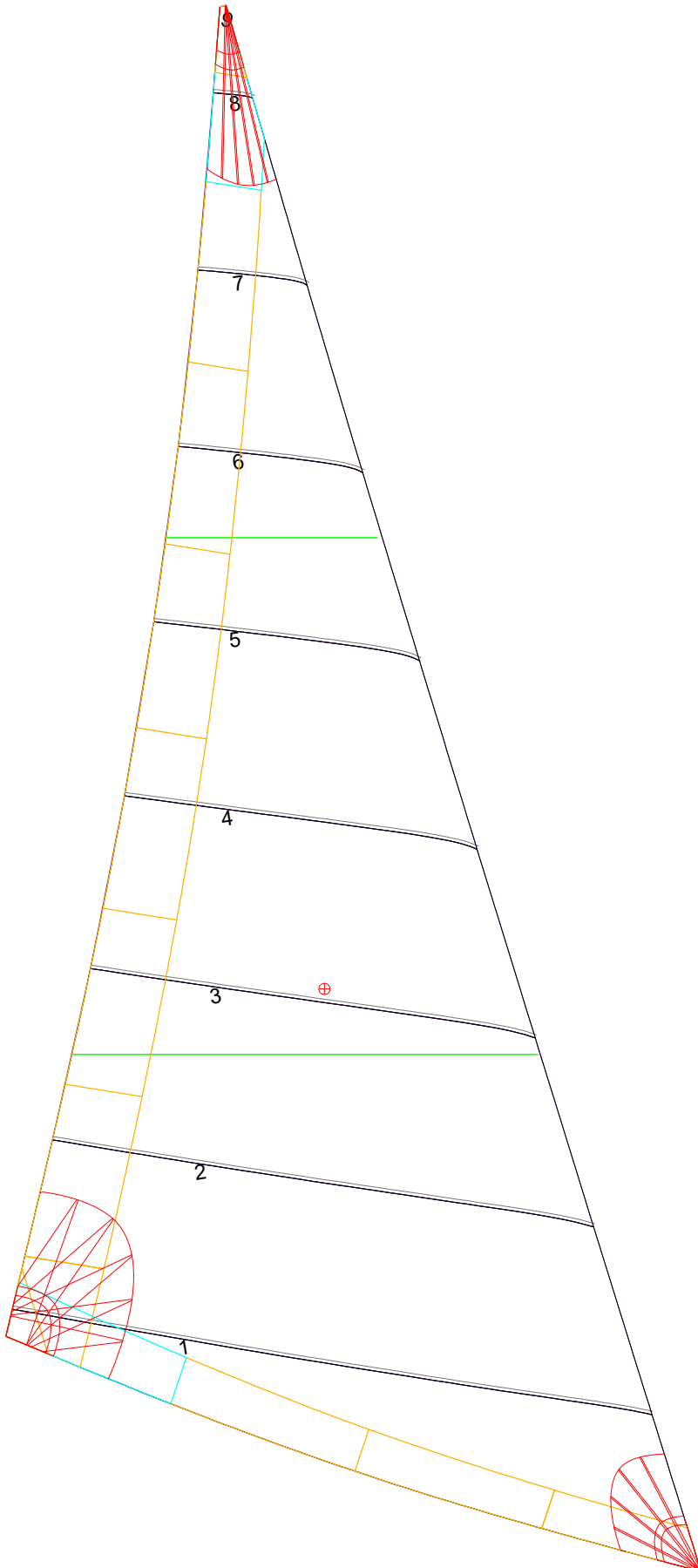
Draft Stripes

1, Luff: 13.111Ft ; Leech: 7.059Ft ;
2, Luff: 26.205Ft ; Leech: 19.749Ft ;

Luff Curve

		Fanned Luff (@ 5.00% [0.841Ft])	Before BSeam
39.595Ft,	0.000Ft	100% (39.596Ft) :	0.000Ft
36.304Ft,	0.100Ft	90% (35.641Ft) :	-0.112Ft
32.666Ft,	0.180Ft	80% (31.676Ft) :	-0.198Ft
29.462Ft,	0.222Ft	70% (27.719Ft) :	-0.243Ft
25.737Ft,	0.237Ft	60% (23.758Ft) :	-0.254Ft
19.704Ft,	0.208Ft	50% (19.798Ft) :	-0.236Ft
12.868Ft,	0.142Ft	40% (15.839Ft) :	-0.202Ft
6.693Ft,	0.071Ft	30% (11.879Ft) :	-0.158Ft
0.000Ft,	0.000Ft	20% (7.920Ft) :	-0.108Ft
		10% (3.958Ft) :	-0.057Ft
		0% (0.000Ft) :	0.000Ft

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Seam Allowances

	Split	Radial	Cross
Zone: 1	0.082Ft	0.082Ft	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	65.68
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (Ft ²)	Panels
Material 1	286.83	1,2,3,4,5 6,7,8,9