

Genoa: 8000908-2 Ryan Ben 351 headV1.des

Design Info

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Design File:

\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000908 Ryan Ben

Initial Design Date: 1/11/2024

Boat:

Lagoon 400 S2

Client:

Comments:

Design Data

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Genoa

Measurements

Luff geodesic:	30.561Ft
Leech geodesic:	30.759Ft
Foot geodesic:	16.575Ft
Headboard width:	0.115Ft
Luff perpendicular (HLP):	16.115Ft
Upper width (HUW):	1.901Ft
Three-quarter width (HTW):	3.774Ft
Half width (HHW):	7.820Ft
Quarter width (HQW):	11.996Ft
Foot median:	30.147Ft
ORC Headsail area:	242.524Ft?
IRC Headsail area:	241.638Ft?
Surface area:	245.112Ft?
Forestay height:	43.310Ft
J:	12.400Ft

Draft Stripes

1, Luff: 7.669Ft ; Leech: 7.923Ft ;
2, Luff: 15.318Ft ; Leech: 15.579Ft ;
3, Luff: 22.948Ft ; Leech: 23.101Ft ;

Luff Curve

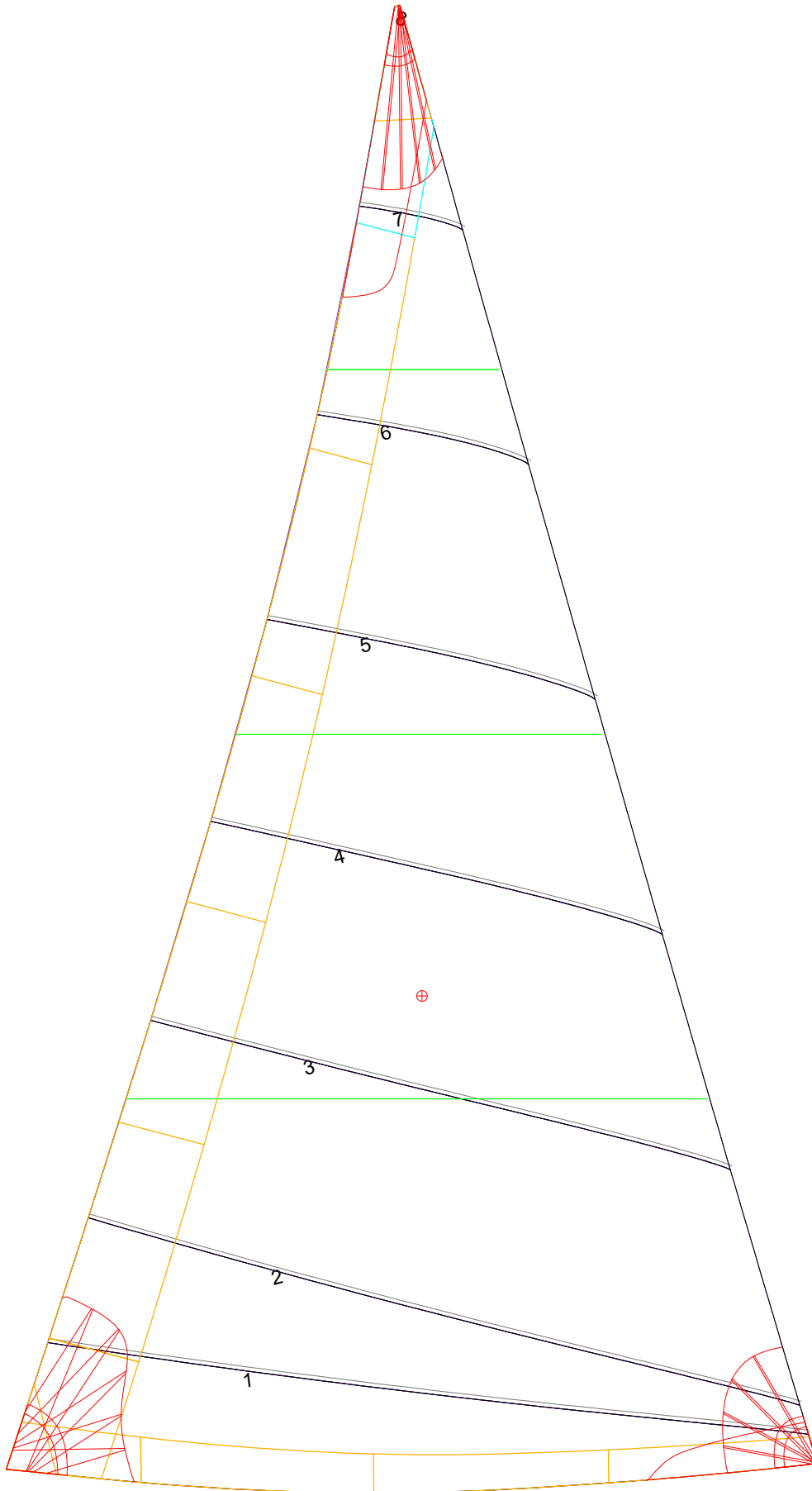
30.559Ft,	0.000Ft
22.920Ft,	0.098Ft
15.281Ft,	0.131Ft
7.640Ft,	0.098Ft
0.000Ft,	0.000Ft

Fanned Luff (@ 5.00% [0.817Ft])

100% (30.560Ft) :	-0.000Ft	0.000Ft
90% (27.502Ft) :	-0.038Ft	0.064Ft
80% (24.449Ft) :	-0.074Ft	0.129Ft
70% (21.392Ft) :	-0.102Ft	0.190Ft
60% (18.336Ft) :	-0.120Ft	0.235Ft
50% (15.280Ft) :	-0.130Ft	0.255Ft
40% (12.224Ft) :	-0.130Ft	0.248Ft
30% (9.167Ft) :	-0.118Ft	0.215Ft
20% (6.113Ft) :	-0.093Ft	0.154Ft
10% (3.053Ft) :	-0.052Ft	0.074Ft
0% (0.000Ft) :	0.000Ft	0.000Ft

Before BSeam

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Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1	0.000Ft	0.000Ft	0.082Ft
Cover 1	0.082Ft	0.082Ft	0.082Ft
Cover 2	0.082Ft	0.082Ft	0.082Ft
Cover 3	0.082Ft	0.082Ft	0.082Ft
Cover 4	0.082Ft	0.082Ft	0.082Ft

Edge Excesses

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

Total Seam Lengths (Ft)

Horizontal	67.49
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (Ft ²)	Panels
Material 1	245.75	1,2,3,4,5 6,7,8