

Genoa: 8000408 Andrew Gulf 32 Pilothouse Genoa.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000408 Andrew C

Initial Design Date: 30/10/2024
Boat:
Gulf 32 Pilothouse
Client:

Comments:

Design Data
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Genoa

Measurements

Luff geodesic:	11.155m
Leech geodesic:	10.164m
Foot geodesic:	4.460m
Headboard width:	0.033m
Luff perpendicular (HLP):	4.092m
Upper width (HUW):	0.459m
Three-quarter width (HTW):	0.907m
Half width (HHW):	1.897m
Quarter width (HQW):	2.962m
Foot median:	10.537m
ORC Headsail area:	21.922m?
IRC Headsail area:	21.884m?
Surface area:	21.986m?
Forestay height:	11.300m
J:	3.720m

Draft Stripes

1, Luff: 3.694m ; Leech: 3.028m ;
2, Luff: 7.384m ; Leech: 6.532m ;

Luff Curve

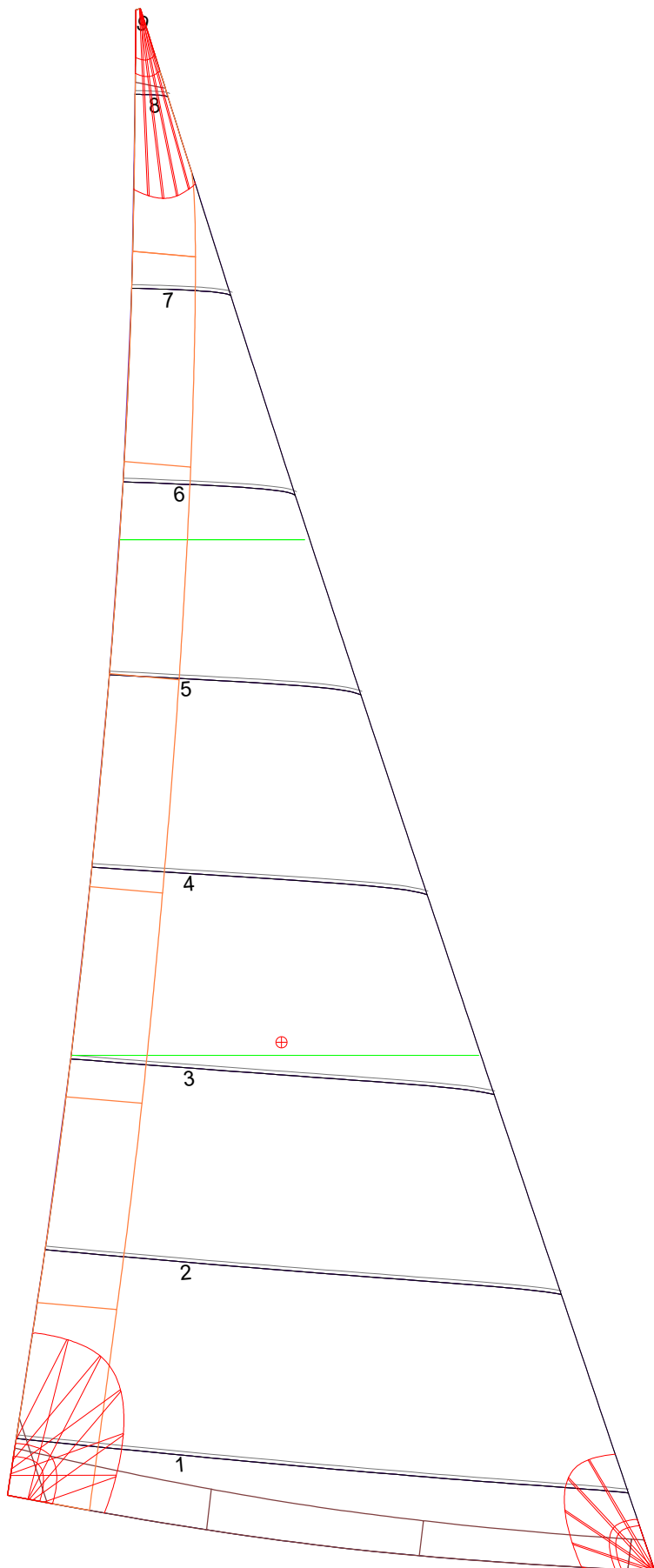
11.154m,	0.000m
10.227m,	0.028m
9.202m,	0.051m
8.299m,	0.062m
7.250m,	0.067m
5.551m,	0.059m
3.625m,	0.040m
1.885m,	0.020m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.219m])

100% (11.154m) :	0.000m	-0.000m
90% (10.038m) :	-0.029m	-0.000m
80% (8.924m) :	-0.052m	0.003m
70% (7.808m) :	-0.064m	0.012m
60% (6.693m) :	-0.066m	0.022m
50% (5.577m) :	-0.061m	0.031m
40% (4.462m) :	-0.052m	0.036m
30% (3.346m) :	-0.041m	0.035m
20% (2.231m) :	-0.028m	0.030m
10% (1.115m) :	-0.015m	0.019m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1	0.025m	0.025m	0.025m
Cover 1	0.025m	0.025m	0.025m
Cover 2	0.000m	0.000m	0.000m
Cover 3	0.000m	0.000m	0.000m
Cover 4	0.025m	0.025m	0.025m

Edge Excesses

Sail:	Luff	Leech	Foot
Cover 0	0.070m	0.070m	0.100m
Cover 1	0.000m	0.070m	0.070m
Cover 2	0.000m	0.070m	0.070m
Cover 3	0.070m	0.100m	0.070m

Total Seam Lengths (m)

Horizontal	17.23
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	22.05	1,2,3,4,5 6,7,8,9