

Genoa: 8001008 Brent Whiting HeadsailV1.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8001008 Brent WH

Initial Design Date: 14/11/2024
Boat:
Whiting
Client:

Comments:

Design Data
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Genoa

Measurements

Luff geodesic:	10.960m
Leech geodesic:	10.650m
Foot geodesic:	4.470m
Headboard width:	0.035m
Luff perpendicular (HLP):	4.320m
Upper width (HUW):	0.464m
Three-quarter width (HTW):	0.934m
Half width (HHW):	2.001m
Quarter width (HQW):	3.146m
Foot median:	10.702m
ORC Headsail area:	22.712m?
IRC Headsail area:	22.615m?
Surface area:	22.811m?
Forestay height:	11.600m
J:	3.200m

Draft Stripes

1, Luff: 3.631m ; Leech: 3.501m ;
2, Luff: 7.257m ; Leech: 7.013m ;

Luff Curve

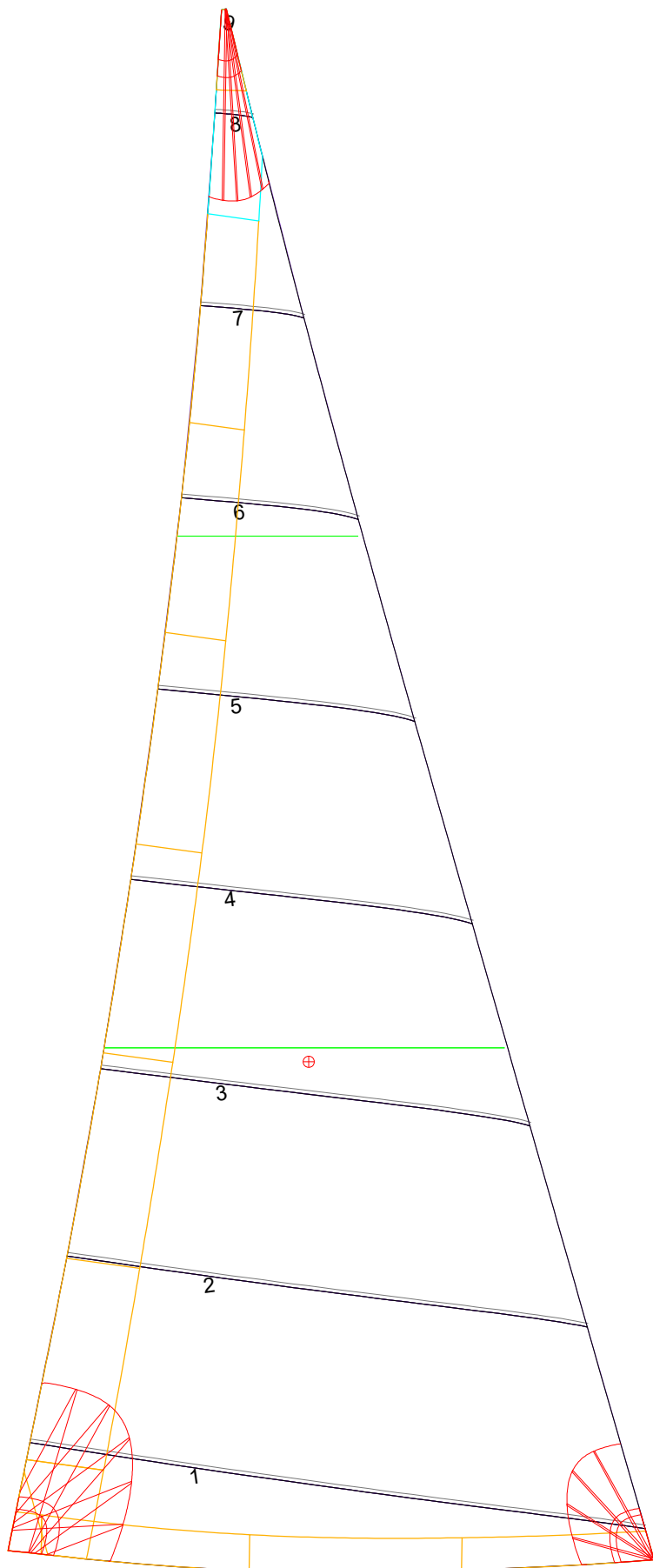
10.958m,	0.000m
10.047m,	0.037m
9.040m,	0.067m
8.154m,	0.083m
7.123m,	0.089m
5.453m,	0.078m
3.561m,	0.053m
1.852m,	0.026m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.220m])

100% (10.958m) :	0.000m	0.000m
90% (9.861m) :	-0.045m	-0.020m
80% (8.768m) :	-0.074m	-0.026m
70% (7.671m) :	-0.087m	-0.018m
60% (6.575m) :	-0.087m	-0.003m
50% (5.479m) :	-0.079m	0.015m
40% (4.384m) :	-0.066m	0.029m
30% (3.287m) :	-0.050m	0.036m
20% (2.192m) :	-0.034m	0.033m
10% (1.095m) :	-0.017m	0.018m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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

Total Seam Lengths (m)

Horizontal	17.73
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	22.86	1,2,3,4,5 6,7,8,9