

# Genoa: 8001020 Warren Headsail.des

Design Info  
=====

Design File:  
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8001020 Warren h

Initial Design Date: 6/12/2024  
Boat:

Comments:

Client:

Design Data  
=====

## Genoa

### Measurements

Luff geodesic:	11.615m
Leech geodesic:	11.465m
Foot geodesic:	6.100m
Headboard width:	0.035m
Luff perpendicular (HLP):	5.882m
Upper width (HUW):	0.683m
Three-quarter width (HTW):	1.361m
Half width (HHW):	2.819m
Quarter width (HQW):	4.337m
Foot median:	11.382m
ORC Headsail area:	33.393m?
IRC Headsail area:	33.316m?
Surface area:	33.921m?
Forestay height:	12.120m
J:	3.750m

### Draft Stripes

- 1, Luff: 2.918m ; Leech: 2.932m ;
- 2, Luff: 5.828m ; Leech: 5.785m ;
- 3, Luff: 8.728m ; Leech: 8.604m ;

### Luff Curve

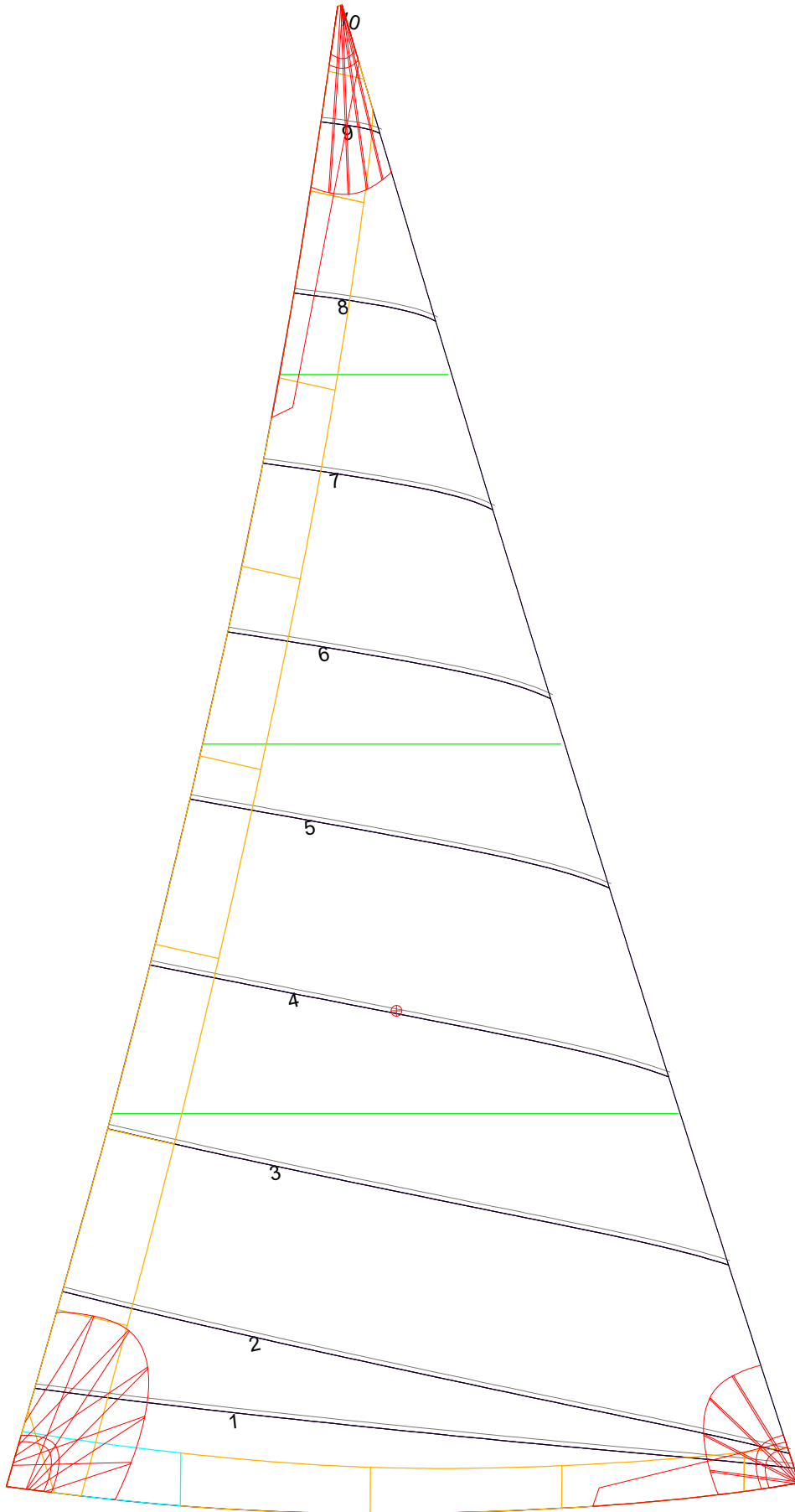
11.614m,	0.000m
9.285m,	0.049m
6.958m,	0.068m
4.634m,	0.062m
2.315m,	0.039m
0.000m,	0.000m

### Fanned Luff (@ 5.00% [0.298m])

100% (11.614m) :	0.000m	0.000m
90% (10.452m) :	-0.024m	0.013m
80% (9.292m) :	-0.047m	0.025m
70% (8.130m) :	-0.062m	0.039m
60% (6.969m) :	-0.068m	0.053m
50% (5.807m) :	-0.068m	0.064m
40% (4.646m) :	-0.064m	0.067m
30% (3.484m) :	-0.056m	0.063m
20% (2.323m) :	-0.042m	0.049m
10% (1.160m) :	-0.022m	0.027m
0% (0.000m) :	-0.000m	0.000m

### Before BSeam

# Genoa: 8001020 Warren Headsail.des



## Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1	0.035m	0.035m	0.035m
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	0.070m	0.100m
Cover 1	0.000m	0.070m	0.070m
Cover 2	0.000m	0.070m	0.070m
Cover 3	0.070m	0.080m	0.070m

## Total Seam Lengths (m)

Horizontal	30.36
Radial/Vertical	0.00
Bi-Radial Split	0.00

## Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	33.98	1,2,3,4,5 6,7,8,9,10