

Genoa: 7000417 Rod Headsail.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need Confrim Order\7000417 Rod\7000417

Initial Design Date: 26/4/2023
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	11.064m
Leech geodesic:	10.538m
Foot geodesic:	5.904m
Headboard width:	0.034m
Luff perpendicular (HLP):	5.578m
Upper width (HUW):	0.625m
Three-quarter width (HTW):	1.247m
Half width (HHW):	2.616m
Quarter width (HQW):	4.063m
Foot median:	10.685m
ORC Headsail area:	29.786m?
IRC Headsail area:	29.733m?
Surface area:	30.548m?
Forestay height:	11.369m
J:	3.719m

Draft Stripes

1, Luff: 3.669m ; Leech: 3.296m ;
2, Luff: 7.331m ; Leech: 6.852m ;

Luff Curve

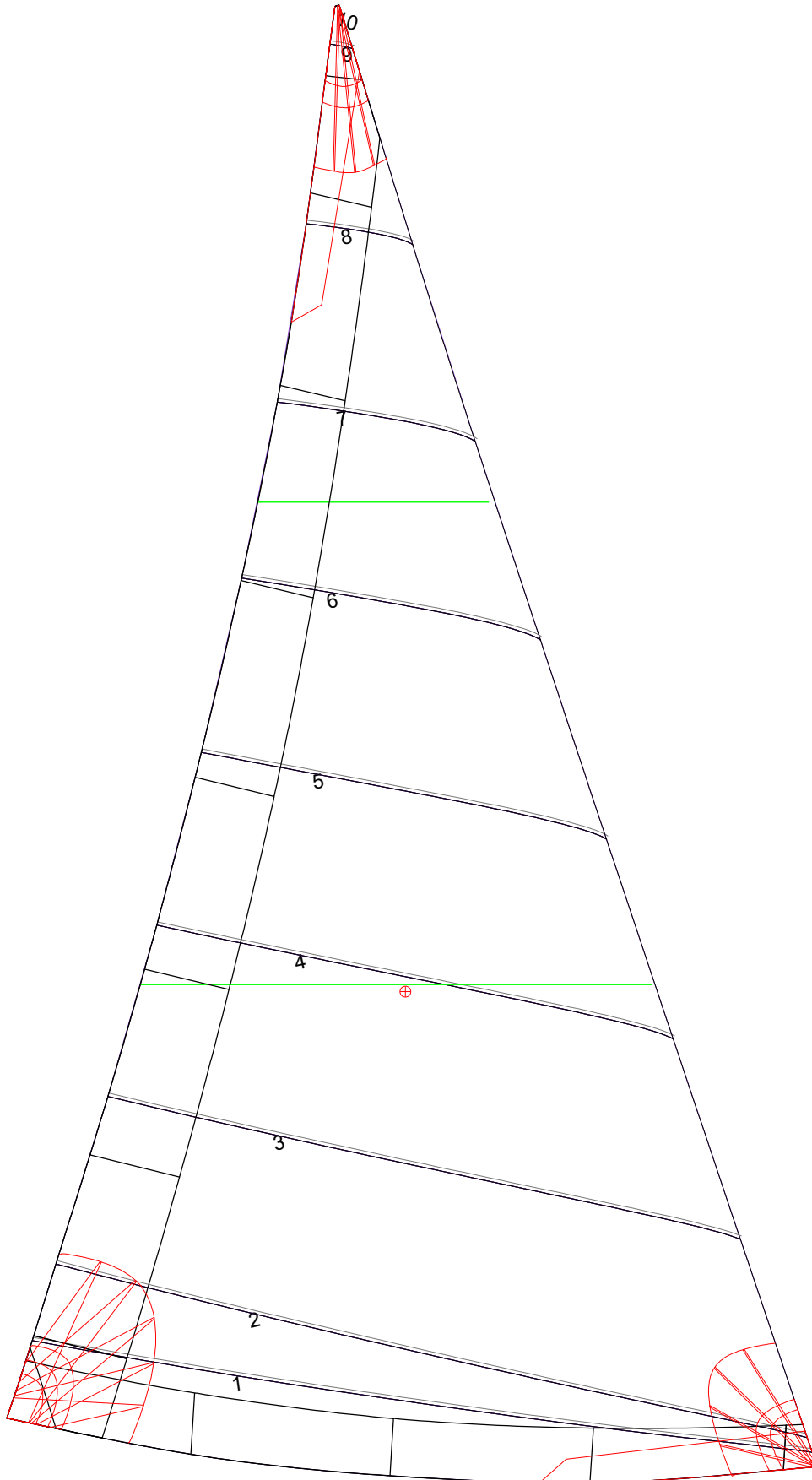
11.062m,	0.000m
10.143m,	0.037m
9.126m,	0.068m
8.231m,	0.083m
7.190m,	0.089m
5.505m,	0.078m
3.595m,	0.053m
1.870m,	0.027m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.292m])

100% (11.062m) :	0.000m	-0.000m
90% (9.955m) :	-0.039m	0.002m
80% (8.851m) :	-0.072m	0.008m
70% (7.744m) :	-0.086m	0.024m
60% (6.638m) :	-0.087m	0.041m
50% (5.531m) :	-0.079m	0.051m
40% (4.425m) :	-0.067m	0.055m
30% (3.319m) :	-0.051m	0.057m
20% (2.213m) :	-0.035m	0.051m
10% (1.105m) :	-0.018m	0.036m
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	0.025m	0.025m	0.025m
Cover 3	0.000m	0.000m	0.000m
Cover 4	0.000m	0.000m	0.000m

Edge Excesses

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

Total Seam Lengths (m)

Horizontal	28.20
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	30.52	1,2,3,4,5 6,7,8,9,10