

Genoa: 8000327 Christoph Tayana Vancouver 42 CC Jib.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000327 Christoph

Initial Design Date: 30/3/2024
Boat:
Tayana Vancouver 42 CC
Client:

Comments:

Design Data
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Genoa

Measurements

Luff geodesic: 10.290m
Leech geodesic: 9.550m
Foot geodesic: 3.030m
Headboard width: 0.040m
Luff perpendicular (HLP): 2.810m
Upper width (HUW): 0.316m
Three-quarter width (HTW): 0.609m
Half width (HHW): 1.268m
Quarter width (HQW): 2.012m
Foot median: 9.875m
ORC Headsail area: 13.741m?
IRC Headsail area: 13.703m?
Surface area: 13.735m?
Forestay height: 11.900m
J: 3.900m

Draft Stripes

1, Luff: 3.408m ; Leech: 2.981m ;
2, Luff: 6.811m ; Leech: 6.203m ;

Luff Curve

10.289m, 0.000m
9.434m, 0.026m
8.488m, 0.047m
7.656m, 0.058m
6.688m, 0.062m
5.120m, 0.054m
3.344m, 0.037m
1.739m, 0.018m
0.000m, 0.000m

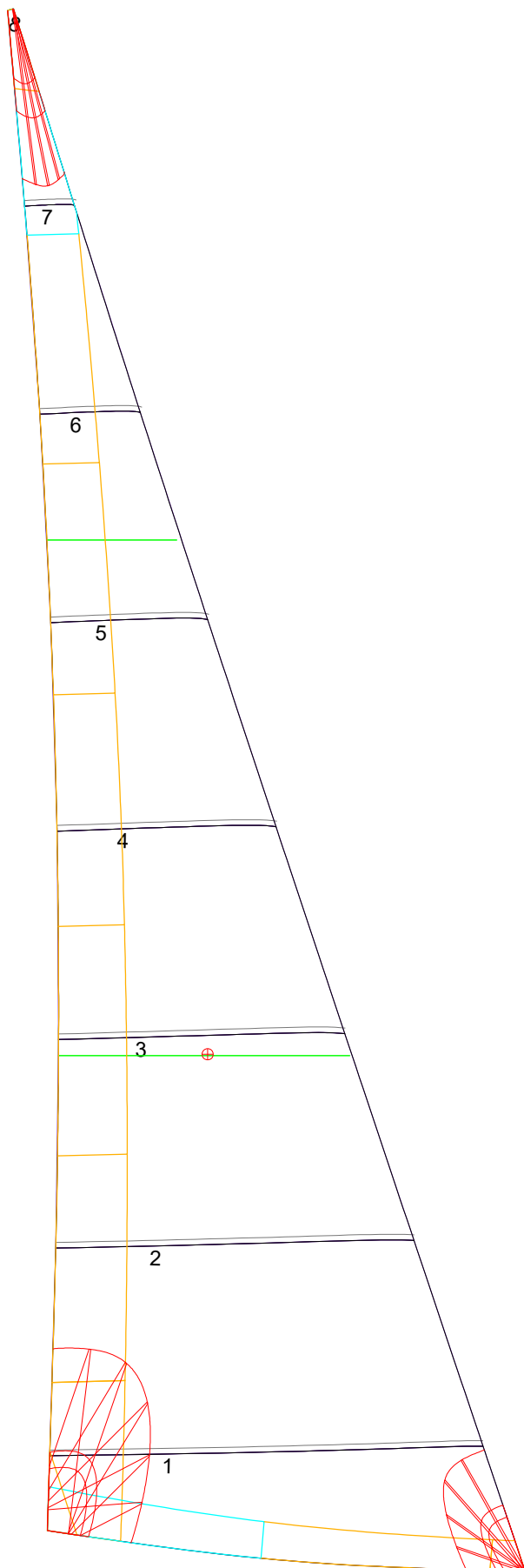
Fanned Luff (@ 5.00% [0.150m])

100% (10.289m) : 0.000m
90% (9.260m) : -0.027m
80% (8.232m) : -0.048m
70% (7.203m) : -0.058m
60% (6.174m) : -0.059m
50% (5.145m) : -0.055m
40% (4.116m) : -0.046m
30% (3.087m) : -0.036m
20% (2.058m) : -0.025m
10% (1.028m) : -0.013m
0% (0.000m) : 0.000m

Before BSeam

0.000m
-0.007m
-0.010m
-0.007m
-0.000m
0.007m
0.013m
0.015m
0.015m
0.010m
0.000m

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Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1	0.035m	0.035m	0.035m
Cover 1	0.025m	0.025m	0.025m
Cover 2	0.025m	0.025m	0.025m
Cover 3	0.000m	0.000m	0.000m
Cover 4	0.000m	0.000m	0.000m

Edge Excesses

Sail:	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	10.44
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	13.78	1,2,3,4,5 6,7,8