

Genoa: 8000501 Adrian Tanzer 7.5 headsail.des

Design Info
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Design File:
Y:\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000501 Adrian Tanzer 7.5 headsail\80

Initial Design Date: 4/5/2024
Boat:
Tanzer 7.5
Client:

Comments:

Design Data
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Genoa

Measurements

Luff geodesic:	8.097m
Leech geodesic:	7.620m
Foot geodesic:	4.039m
Headboard width:	0.025m
Luff perpendicular (HLP):	3.793m
Upper width (HUW):	0.440m
Three-quarter width (HTW):	0.872m
Half width (HHW):	1.792m
Quarter width (HQW):	2.776m
Foot median:	7.713m
ORC Headsail area:	14.919m?
IRC Headsail area:	14.888m?
Surface area:	15.016m?
Forestay height:	8.800m
J:	3.070m

Draft Stripes

1, Luff: 2.682m ; Leech: 2.416m ;
2, Luff: 5.361m ; Leech: 4.972m ;

Luff Curve

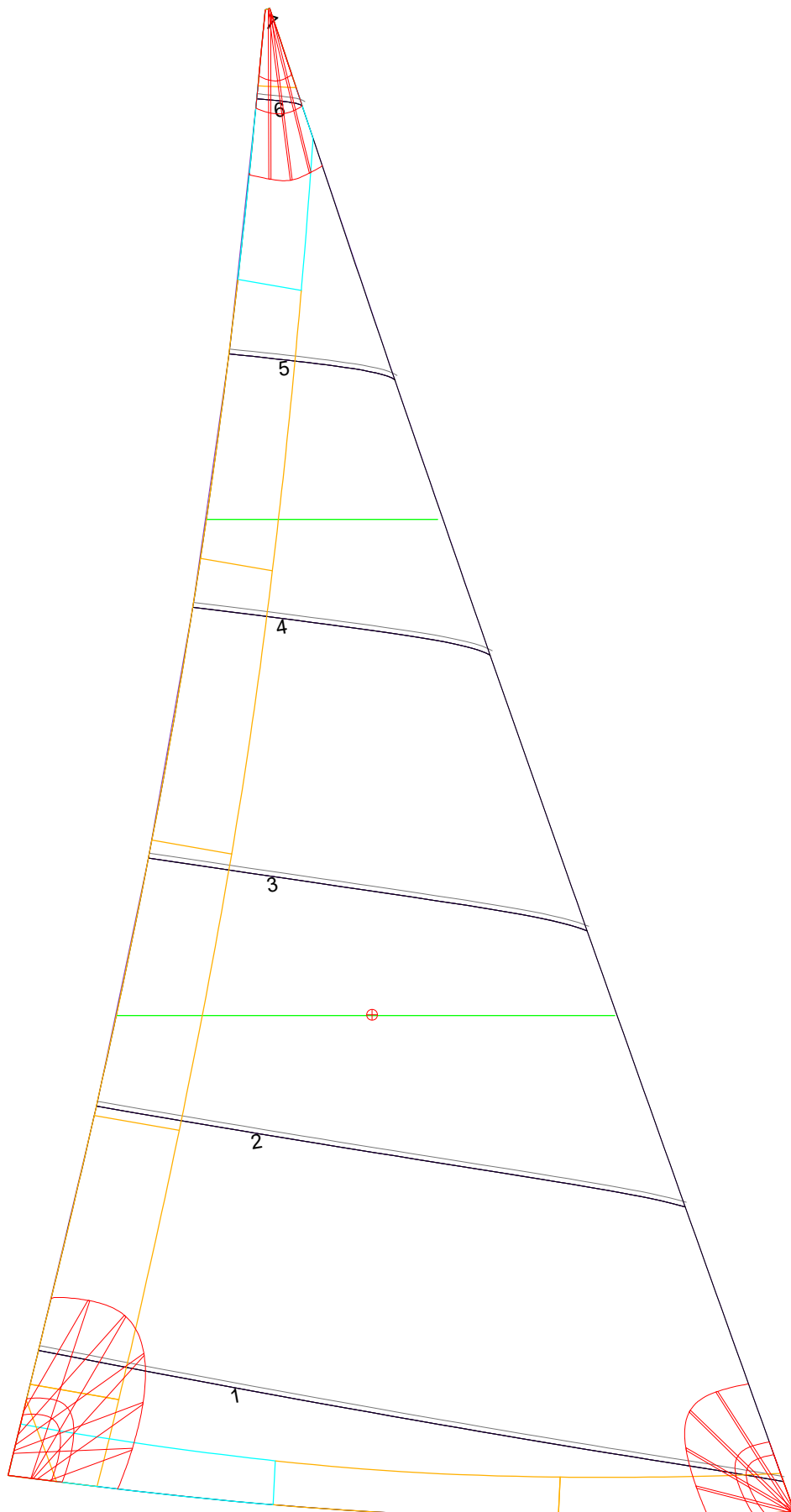
8.096m,	0.000m
7.423m,	0.020m
6.679m,	0.037m
6.024m,	0.045m
5.263m,	0.049m
4.029m,	0.043m
2.631m,	0.029m
1.368m,	0.014m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.200m])

100% (8.096m) :	0.000m	0.000m
90% (7.286m) :	-0.020m	0.005m
80% (6.478m) :	-0.035m	0.012m
70% (5.668m) :	-0.044m	0.020m
60% (4.858m) :	-0.046m	0.029m
50% (4.048m) :	-0.043m	0.036m
40% (3.239m) :	-0.037m	0.039m
30% (2.429m) :	-0.029m	0.037m
20% (1.620m) :	-0.020m	0.031m
10% (0.809m) :	-0.011m	0.019m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1	0.000m	0.000m	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	12.14
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	15.06	1,2,3,4,5 6,7