

Genoa: 8000133 Tom Headsail.des

Design Info
=====

Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000133 Tom head

Initial Design Date: 18/2/2024
Boat:

Comments:

Client:

Design Data
=====

Genoa

Measurements

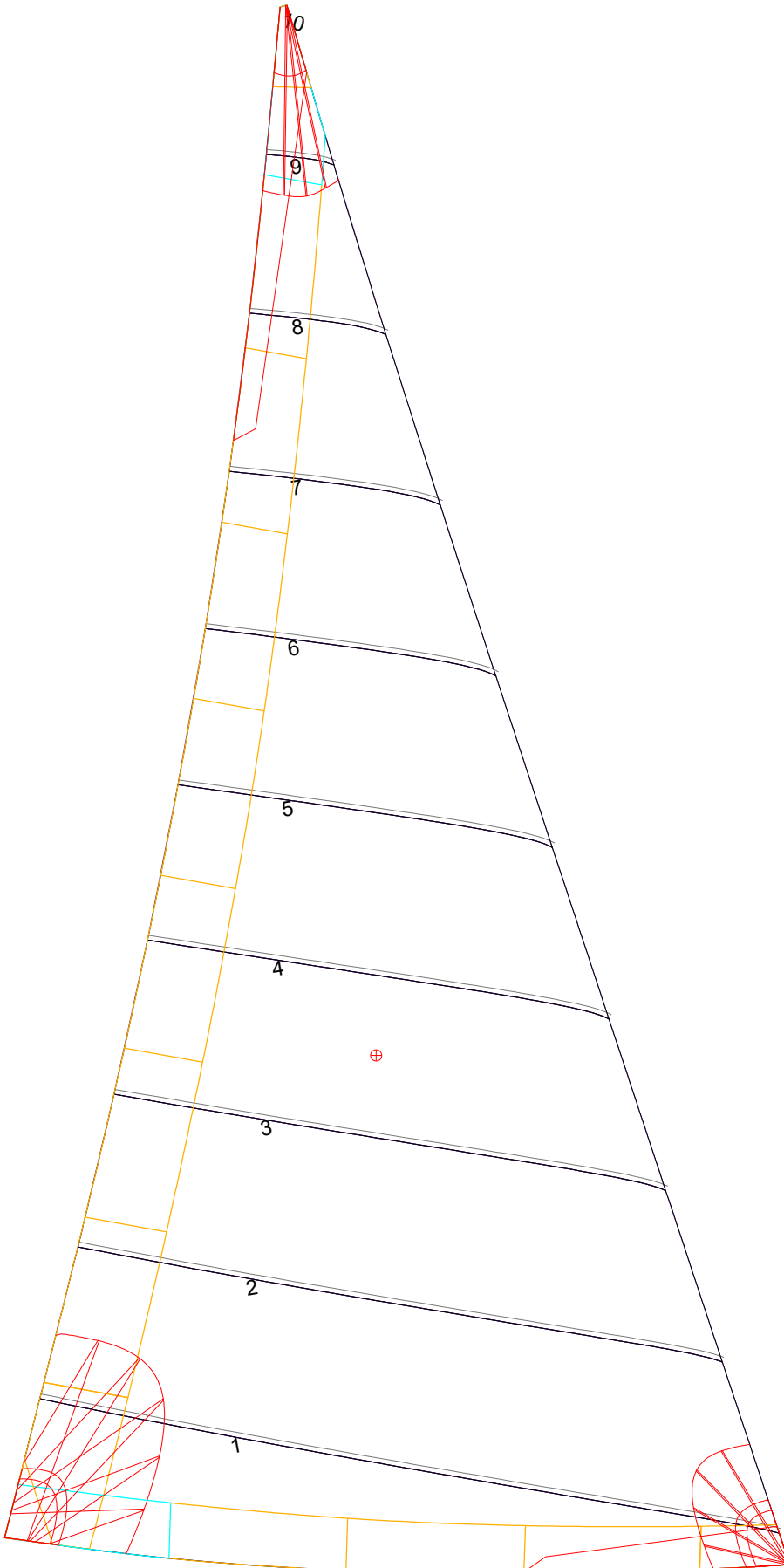
Luff geodesic: 43.560Ft
Leech geodesic: 41.719Ft
Foot geodesic: 21.220Ft
Headboard width: 0.200Ft
Luff perpendicular (HLP): 20.164Ft
Upper width (HUW): 2.285Ft
Three-quarter width (HTW): 4.521Ft
Half width (HHW): 9.415Ft
Quarter width (HQW): 14.711Ft
Foot median: 41.933Ft
ORC Headsail area: 424.189Ft?
IRC Headsail area: 422.752Ft?
Surface area: 426.890Ft?
Forestay height: 46.500Ft
J: 15.000Ft

Luff Curve

43.551Ft, 0.000Ft
39.932Ft, 0.148Ft
35.930Ft, 0.267Ft
32.407Ft, 0.329Ft
28.309Ft, 0.352Ft
21.673Ft, 0.309Ft
14.154Ft, 0.210Ft
7.361Ft, 0.105Ft
0.000Ft, 0.000Ft

Fanned Luff (@ 5.00% [1.044Ft])	Before BSeam
100% (43.553Ft) :	-0.000Ft
90% (39.192Ft) :	-0.044Ft
80% (34.849Ft) :	-0.041Ft
70% (30.489Ft) :	0.004Ft
60% (26.134Ft) :	0.064Ft
50% (21.778Ft) :	0.120Ft
40% (17.422Ft) :	0.159Ft
30% (13.066Ft) :	0.172Ft
20% (8.713Ft) :	0.147Ft
10% (4.352Ft) :	0.080Ft
0% (0.000Ft) :	0.000Ft

Genoa: 8000133 Tom Headsail.des



Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1	0.131Ft	0.131Ft	0.131Ft
Cover 1	0.082Ft	0.082Ft	0.082Ft
Cover 2	0.082Ft	0.082Ft	0.082Ft
Cover 3	0.000Ft	0.000Ft	0.000Ft
Cover 4	0.000Ft	0.000Ft	0.000Ft

Edge Excesses

	Luff	Leech	Foot
Sail:	0.000Ft	0.000Ft	0.000Ft
Cover 0	0.230Ft	0.328Ft	0.230Ft
Cover 1	0.230Ft	0.230Ft	0.328Ft
Cover 2	0.000Ft	0.230Ft	0.230Ft
Cover 3	0.000Ft	0.230Ft	0.230Ft

Total Seam Lengths (Ft)

Horizontal	97.64
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (Ft ²)	Panels
Material 1	428.01	1,2,3,4,5 6,7,8,9,10