

Genoa: 8001207 Todd West Wight Potter P19 headsail.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8001207 Todd West

Comments:

Initial Design Date: 18/12/2024
Boat:
West Wight Potter P19
Client:

Design Data
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Genoa

Measurements

Luff geodesic: 16.830Ft
Leech geodesic: 13.930Ft
Foot geodesic: 8.000Ft
Headboard width: 0.164Ft
Luff perpendicular (HLP): 6.680Ft
Upper width (HUW): 0.830Ft
Three-quarter width (HTW): 1.546Ft
Half width (HHW): 3.135Ft
Quarter width (HQW): 4.857Ft
Foot median: 15.171Ft
ORC Headsail area: 54.664Ft?
IRC Headsail area: 54.517Ft?
Surface area: 55.879Ft?
Forestay height: 18.600Ft
J: 5.600Ft

Luff Curve

16.828Ft, 0.000Ft
15.430Ft, 0.042Ft
13.883Ft, 0.077Ft
12.522Ft, 0.094Ft
10.939Ft, 0.101Ft
8.374Ft, 0.089Ft
5.469Ft, 0.060Ft
2.844Ft, 0.030Ft
0.000Ft, 0.000Ft

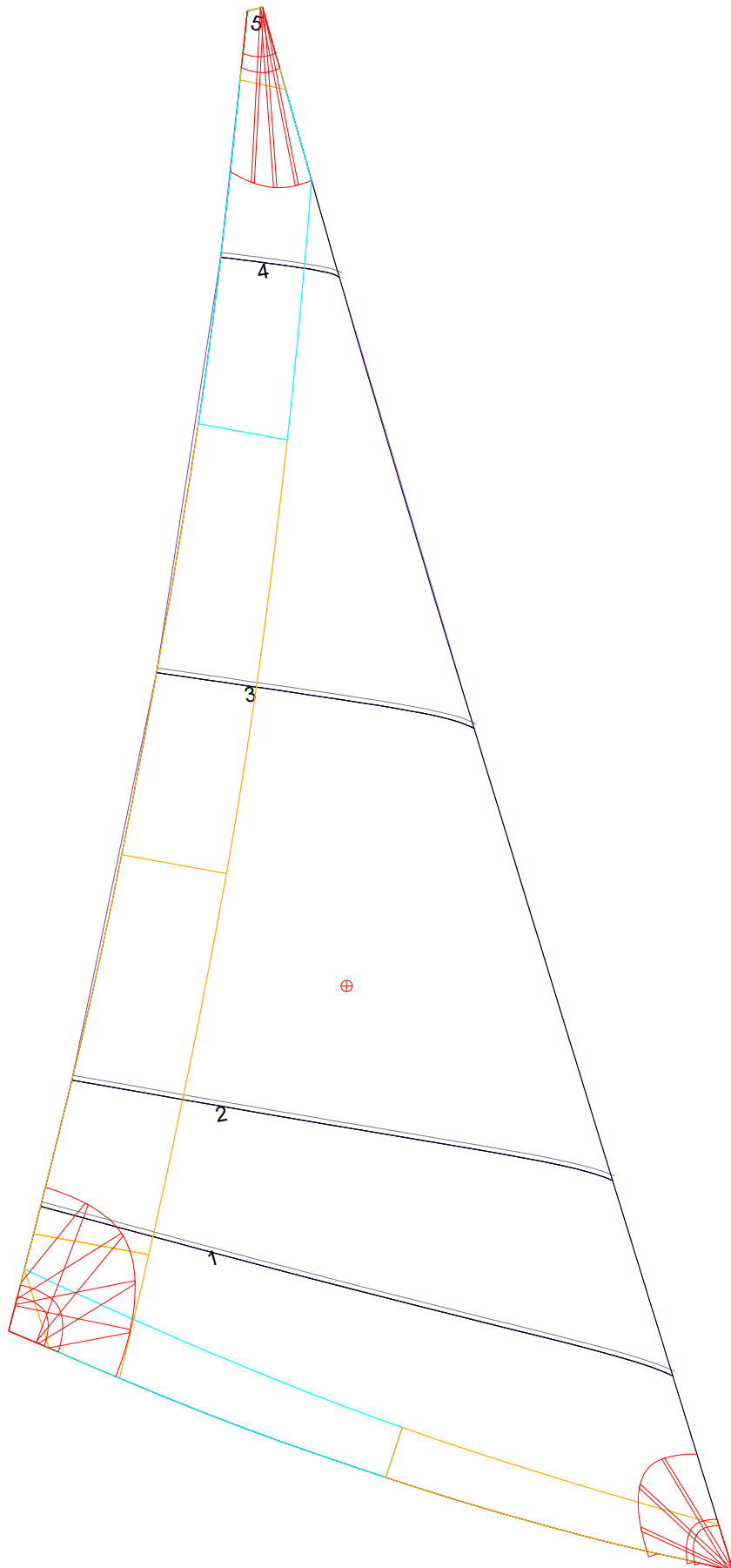
Fanned Luff (@ 5.00% [0.373Ft])

100% (16.828Ft) : 0.000Ft
90% (15.147Ft) : -0.048Ft
80% (13.463Ft) : -0.084Ft
70% (11.781Ft) : -0.101Ft
60% (10.097Ft) : -0.102Ft
50% (8.414Ft) : -0.092Ft
40% (6.732Ft) : -0.077Ft
30% (5.049Ft) : -0.059Ft
20% (3.366Ft) : -0.039Ft
10% (1.682Ft) : -0.021Ft
0% (0.000Ft) : 0.000Ft

Before BSeam

0.000Ft
-0.006Ft
-0.003Ft
0.011Ft
0.033Ft
0.057Ft
0.077Ft
0.087Ft
0.082Ft
0.056Ft
0.000Ft

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Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1	0.000Ft	0.000Ft	0.049Ft
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

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

Total Seam Lengths (Ft)

Horizontal	17.67
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (Ft ²)	Panels
Material 1	56.02	1,2,3,4,5