

Genoa: 7001018 Stephanie HeadsailV2.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need to be Confirmed\7001018 Stephanie

Initial Design Date: 3/11/2023
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	13.580m
Leech geodesic:	12.999m
Foot geodesic:	6.770m
Headboard width:	0.033m
Luff perpendicular (HLP):	6.435m
Upper width (HUW):	0.715m
Three-quarter width (HTW):	1.437m
Half width (HHW):	3.006m
Quarter width (HQW):	4.703m
Foot median:	13.071m
ORC Headsail area:	42.173m?
IRC Headsail area:	42.029m?
Surface area:	42.532m?
Forestay height:	14.350m
J:	4.290m

Draft Stripes

1, Luff: 3.410m ; Leech: 3.016m ;
2, Luff: 6.818m ; Leech: 6.362m ;
3, Luff: 10.214m ; Leech: 9.655m ;

Luff Curve

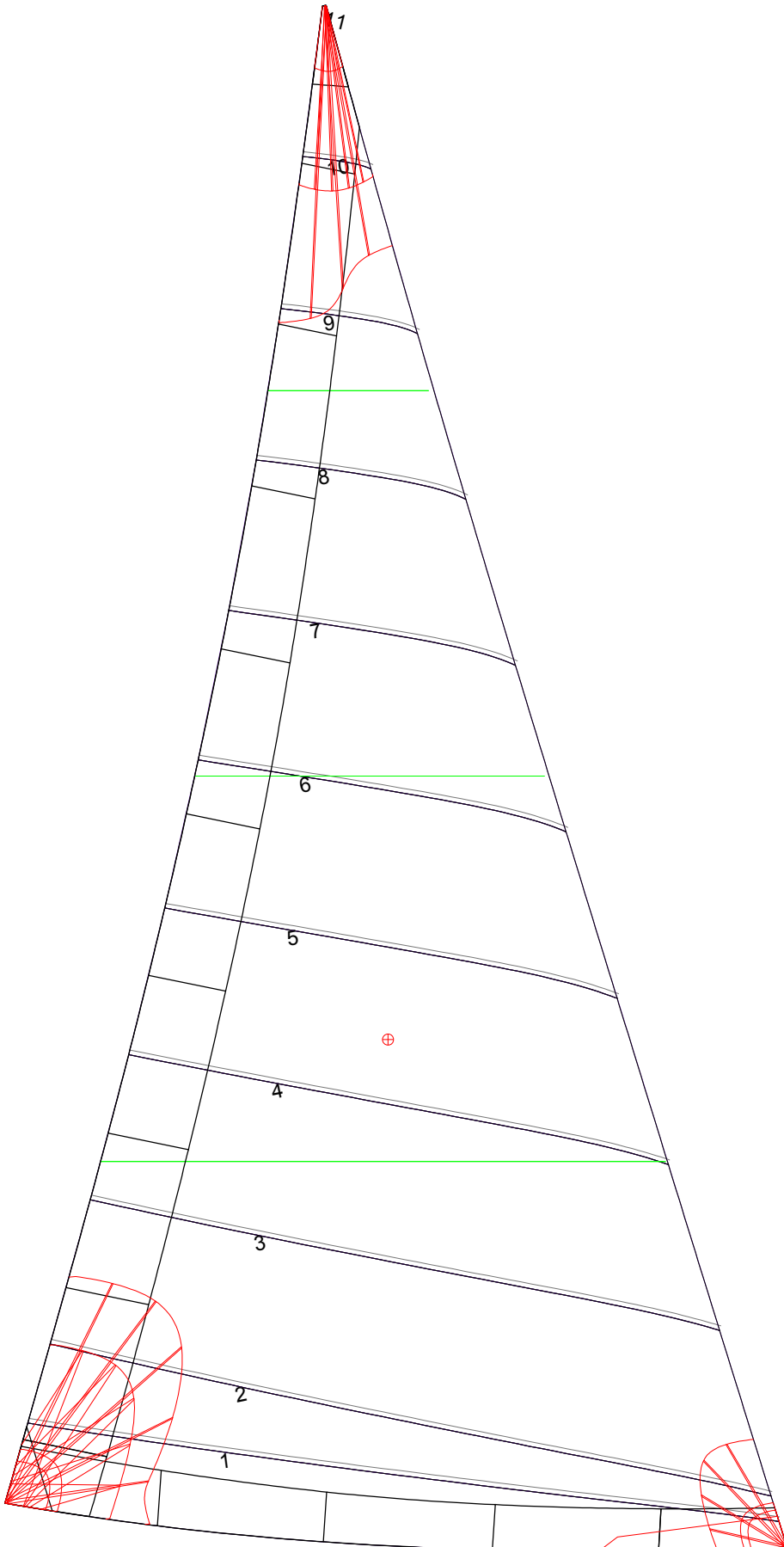
13.577m,	0.000m
12.449m,	0.046m
11.201m,	0.083m
10.103m,	0.102m
8.826m,	0.110m
6.757m,	0.096m
4.413m,	0.065m
2.295m,	0.033m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.330m])

100% (13.578m) :	0.000m	0.000m
90% (12.219m) :	-0.052m	-0.007m
80% (10.864m) :	-0.089m	-0.003m
70% (9.505m) :	-0.108m	0.012m
60% (8.147m) :	-0.109m	0.032m
50% (6.789m) :	-0.099m	0.051m
40% (5.431m) :	-0.083m	0.065m
30% (4.073m) :	-0.063m	0.068m
20% (2.716m) :	-0.043m	0.058m
10% (1.357m) :	-0.022m	0.034m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1	0.040m	0.040m	0.040m
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	37.40
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	42.60	1,2,3,4,5 6,7,8,9,10 11