

Genoa: 7000328 Stephen-2 HeadsailV2.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need Confrim Order\7000328 Stephen\7000328 Stephen-2 HeadsailV2.des

Initial Design Date: 8/6/2023
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	11.919m
Leech geodesic:	11.450m
Foot geodesic:	5.501m
Headboard width:	0.030m
Luff perpendicular (HLP):	5.258m
Upper width (HUW):	0.587m
Three-quarter width (HTW):	1.168m
Half width (HHW):	2.447m
Quarter width (HQW):	3.842m
Foot median:	11.537m
ORC Headsail area:	30.211m?
IRC Headsail area:	30.090m?
Surface area:	30.306m?
Forestay height:	12.497m
J:	3.505m

Draft Stripes

1, Luff: 3.958m ; Leech: 3.625m ;
2, Luff: 7.890m ; Leech: 7.467m ;

Luff Curve

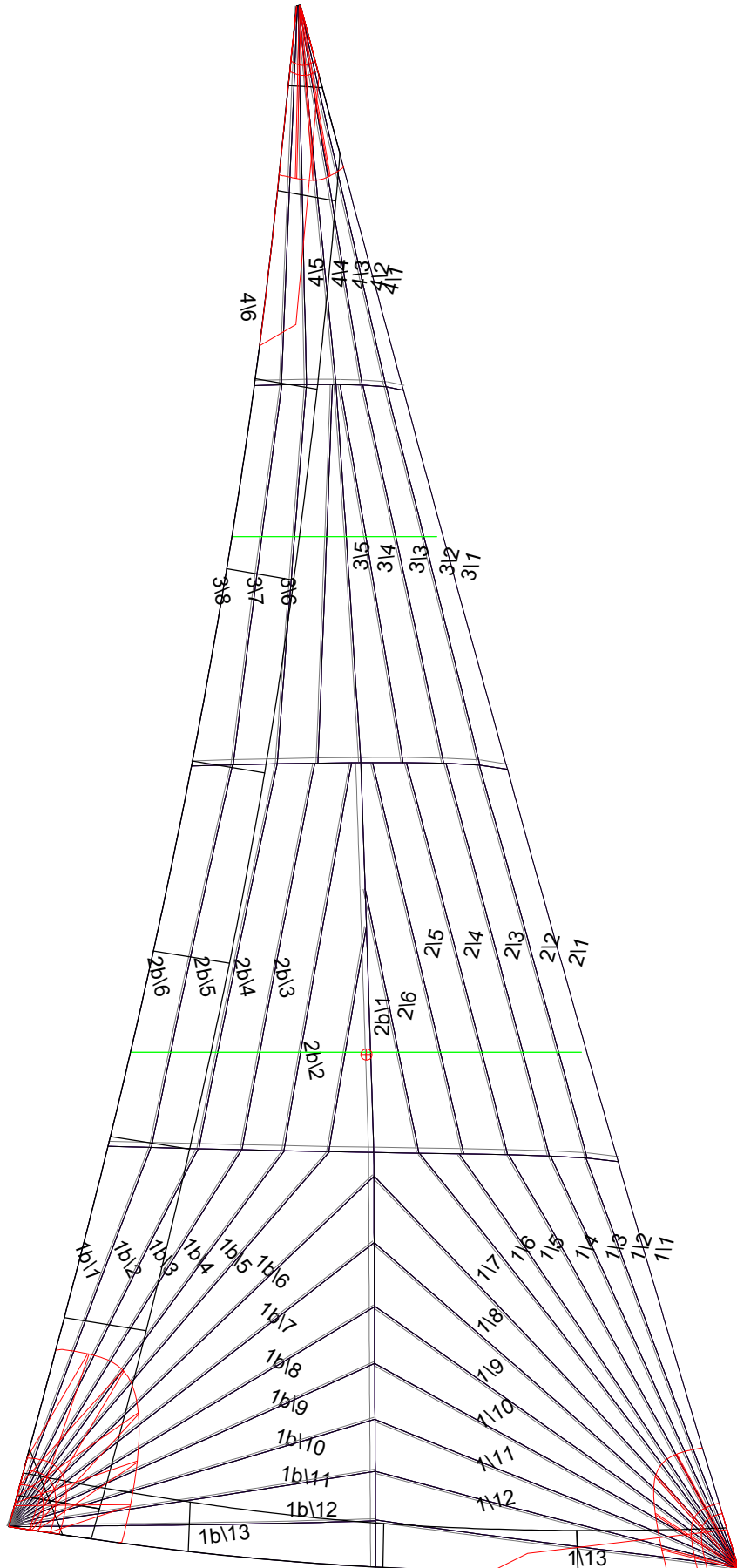
11.917m,	0.000m
8.938m,	0.072m
5.959m,	0.095m
2.979m,	0.072m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.268m])

100% (11.917m) :	-0.000m	0.000m
90% (10.725m) :	-0.030m	0.010m
80% (9.534m) :	-0.058m	0.020m
70% (8.342m) :	-0.079m	0.033m
60% (7.150m) :	-0.092m	0.046m
50% (5.958m) :	-0.098m	0.056m
40% (4.767m) :	-0.095m	0.063m
30% (3.574m) :	-0.084m	0.066m
20% (2.384m) :	-0.064m	0.054m
10% (1.190m) :	-0.035m	0.025m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.038m	0.015m	0.038m
Zone: 1/b	0.038m	0.015m	0.038m
Zone: 2/a	0.038m	0.015m	0.038m
Zone: 2/b	0.038m	0.015m	0.038m
Zone: 3	0.038m	0.015m	0.038m
Zone: 4	0.038m	0.015m	0.038m
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	7.70
Radial/Vertical	141.19
Bi-Radial Split	6.21

Materials

Material	Area (m ²)	Panels
Material 1	30.43	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1\9,1\10 1\11,1\12,1\13,1b\1,1b\2 1b\3,1b\4,1b\5,1b\6,1b\7 1b\8,1b\9,1b\10,1b\11,1b\12 1b\13,2\1,2\2,2\3,2\4 2\5,2\6,2b\1,2b\2,2b\3 2b\4,2b\5,2b\6,3\1,3\2 3\3,3\4,3\5,3\6,3\7 3\8,4\1,4\2,4\3,4\4 4\5,4\6