

Genoa: 7001211 Scott-2 Beneteau 10 HeadsailV1.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need to be Confirmed\7001211 Scott\7001

Initial Design Date: 28/12/2023
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	11.890m
Leech geodesic:	11.522m
Foot geodesic:	6.035m
Headboard width:	0.035m
Luff perpendicular (HLP):	5.764m
Upper width (HUW):	0.662m
Three-quarter width (HTW):	1.316m
Half width (HHW):	2.718m
Quarter width (HQW):	4.217m
Foot median:	11.497m
ORC Headsail area:	33.245m?
IRC Headsail area:	33.168m?
Surface area:	33.459m?
Forestay height:	12.400m
J:	4.270m

Draft Stripes

1, Luff: 3.944m ; Leech: 3.850m ;
2, Luff: 7.880m ; Leech: 7.611m ;

Luff Curve

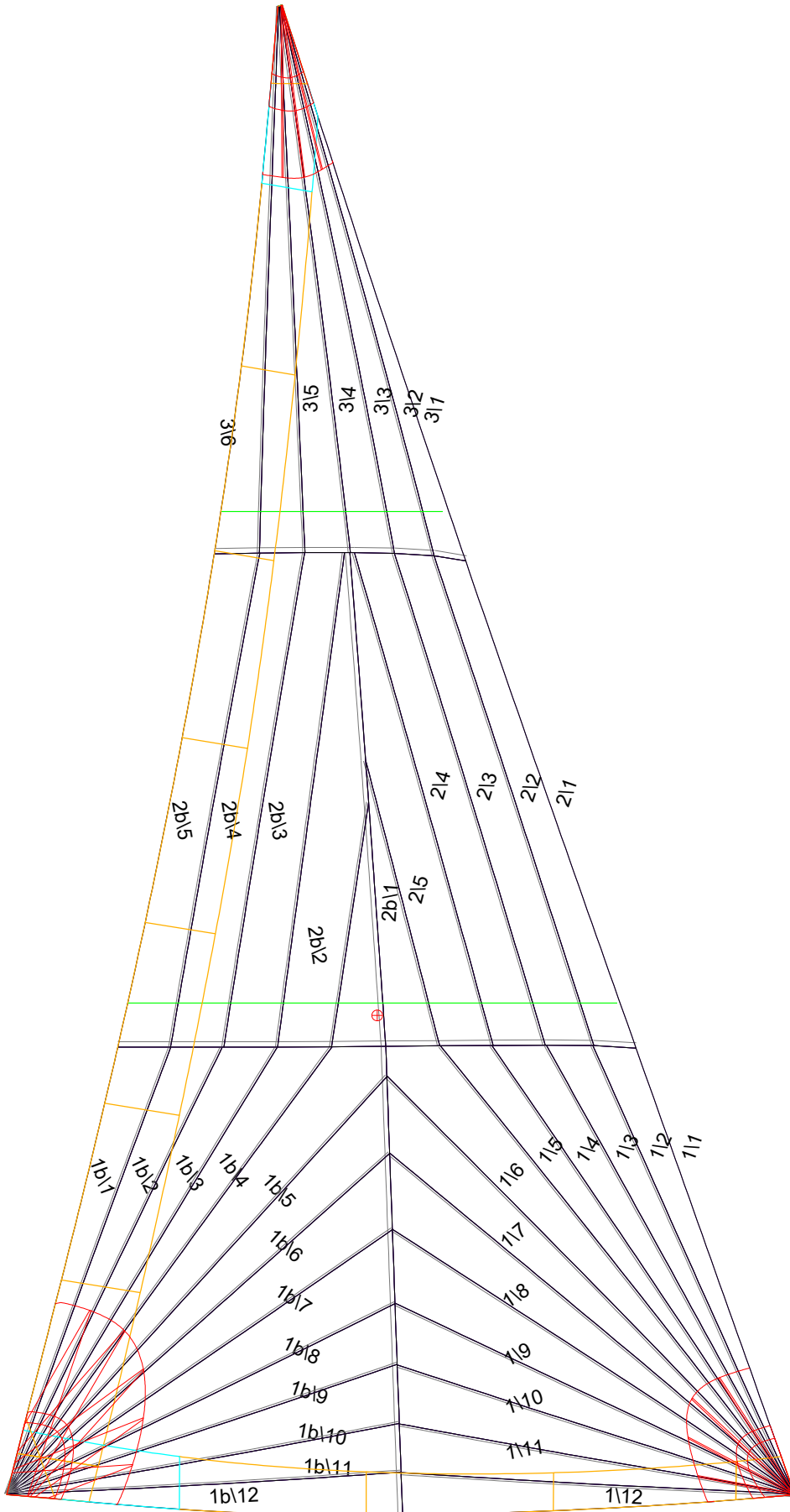
11.888m,	0.000m
10.900m,	0.041m
9.807m,	0.074m
8.846m,	0.091m
7.727m,	0.097m
5.916m,	0.085m
3.863m,	0.058m
2.009m,	0.029m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.297m])

100% (11.888m) :	-0.000m	0.000m
90% (10.698m) :	-0.044m	0.005m
80% (9.512m) :	-0.077m	0.015m
70% (8.322m) :	-0.094m	0.025m
60% (7.133m) :	-0.097m	0.035m
50% (5.944m) :	-0.089m	0.044m
40% (4.755m) :	-0.075m	0.049m
30% (3.566m) :	-0.057m	0.047m
20% (2.378m) :	-0.039m	0.039m
10% (1.188m) :	-0.020m	0.023m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.035m	0.016m	0.040m
Zone: 1/b	0.035m	0.016m	0.040m
Zone: 2/a	0.035m	0.016m	0.040m
Zone: 2/b	0.035m	0.016m	0.040m
Zone: 3	0.035m	0.016m	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	6.15
Radial/Vertical	130.02
Bi-Radial Split	7.59

Materials

Material	Area (m ²)	Panels
Material 1	33.49	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1\9,1\10 1\11,1\12,1b\1,1b\2,1b\3 1b\4,1b\5,1b\6,1b\7,1b\8 1b\9,1b\10,1b\11,1b\12,2\1 2\2,2\3,2\4,2\5,2b\1 2b\2,2b\3,2b\4,2b\5,3\1 3\2,3\3,3\4,3\5,3\6