

Genoa: 8000703 Clay Tartan 37-2 Headsail.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000703 Clay Tartan

Initial Design Date: 10/7/2024
Boat:
Tartan 37-2
Client:

Comments:

Design Data
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Genoa

Measurements

Luff geodesic:	13.629m
Leech geodesic:	12.879m
Foot geodesic:	7.010m
Headboard width:	0.046m
Luff perpendicular (HLP):	6.584m
Upper width (HUW):	0.723m
Three-quarter width (HTW):	1.445m
Half width (HHW):	3.089m
Quarter width (HQW):	4.811m
Foot median:	12.995m
ORC Headsail area:	43.281m?
IRC Headsail area:	43.146m?
Surface area:	43.609m?
Forestay height:	14.326m
J:	4.877m

Draft Stripes

1, Luff: 3.424m ; Leech: 2.994m ;
2, Luff: 6.847m ; Leech: 6.298m ;
3, Luff: 10.255m ; Leech: 9.549m ;

Luff Curve

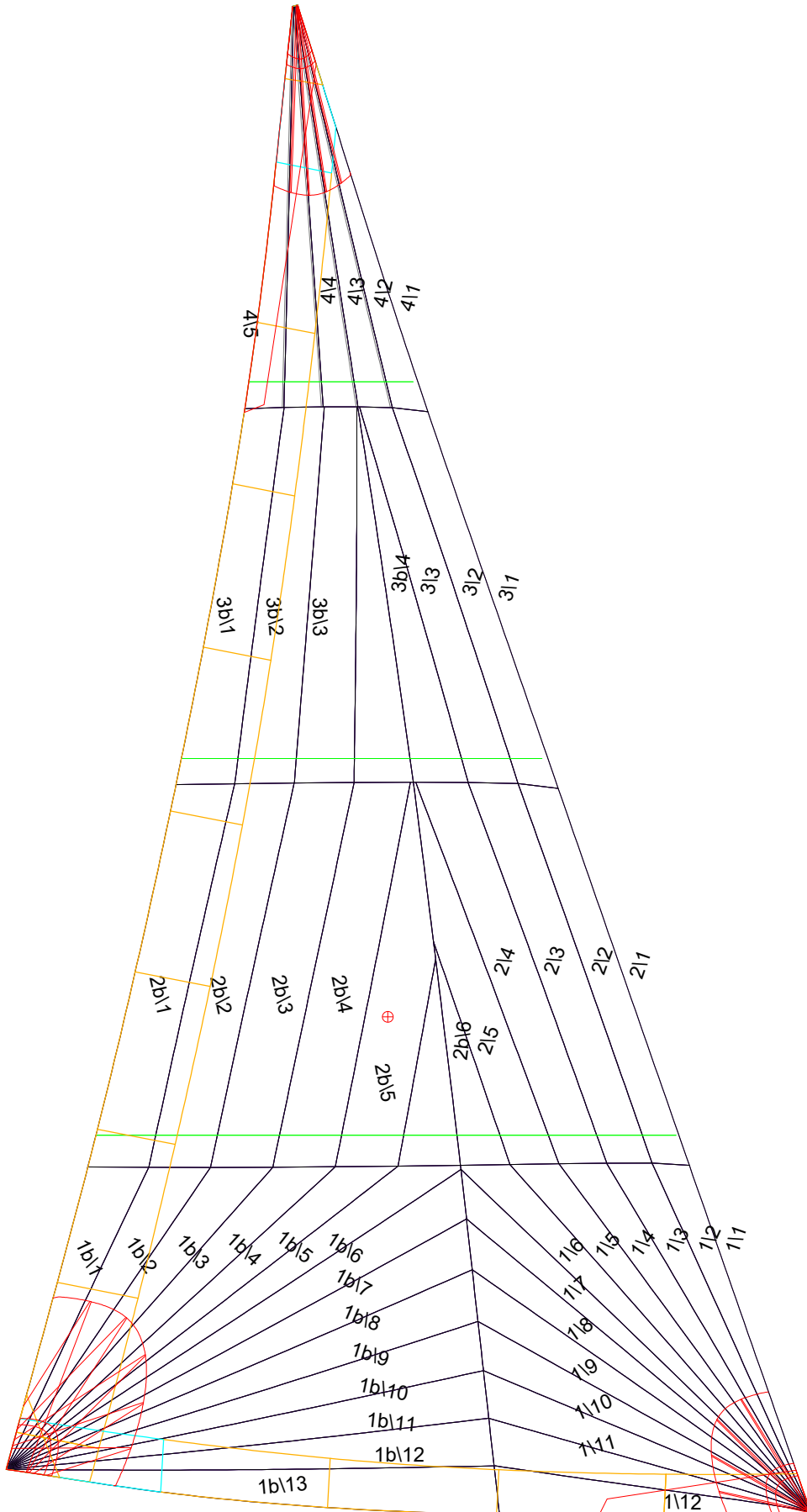
13.626m,	0.000m
12.494m,	0.046m
11.242m,	0.084m
10.139m,	0.103m
8.857m,	0.110m
6.781m,	0.097m
4.429m,	0.066m
2.303m,	0.033m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.344m])

100% (13.626m) :	-0.000m	-0.000m
90% (12.262m) :	-0.053m	-0.016m
80% (10.903m) :	-0.097m	-0.023m
70% (9.539m) :	-0.114m	-0.004m
60% (8.177m) :	-0.111m	0.027m
50% (6.814m) :	-0.100m	0.051m
40% (5.451m) :	-0.083m	0.062m
30% (4.088m) :	-0.063m	0.063m
20% (2.726m) :	-0.043m	0.051m
10% (1.362m) :	-0.022m	0.027m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.000m	0.000m	0.000m
Zone: 1/b	0.000m	0.000m	0.000m
Zone: 2/a	0.000m	0.000m	0.000m
Zone: 2/b	0.000m	0.000m	0.000m
Zone: 3/a	0.000m	0.000m	0.000m
Zone: 3/b	0.000m	0.000m	0.000m
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	0.00
Radial/Vertical	14.01
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	43.70	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, 1b\13 2\1, 2\2, 2\3, 2\4, 2\5 2b\6, 2b\5, 2b\4, 2b\3, 2b\2 2b\1, 3\1, 3\2, 3\3, 3b\4 3b\3, 3b\2, 3b\1, 4\1, 4\2 4\3, 4\4, 4\5