

Genoa: 7000110 James-1 hanks genoa 155%.des

Design Info
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Design File:
F:\Dropbox\Dropbox-20221019\Dropbox20221213\Dropbox\Fareast Sails\2023 Order\Need Confrim Order\7000110 Ja

Initial Design Date: 31/1/2023
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic: 27.986Ft
 Leech geodesic: 26.912Ft
 Foot geodesic: 14.916Ft
 Headboard width: 0.148Ft
 Luff perpendicular (HLP): 14.239Ft
 Upper width (HUW): 1.649Ft
 Three-quarter width (HTW): 3.232Ft
 Half width (HHW): 6.679Ft
 Quarter width (HQW): 10.437Ft
 Foot median: 27.034Ft
 ORC Headsail area: 193.263Ft?
 IRC Headsail area: 192.447Ft?
 Surface area: 195.998Ft?
 Forestay height: 28.609Ft
 J: 9.186Ft

Draft Stripes

1, Luff: 9.282Ft ; Leech: 8.575Ft ;
 2, Luff: 18.546Ft ; Leech: 17.567Ft ;

Luff Slides

1, Position: 1.476Ft
 2, Position: 3.576Ft
 3, Position: 5.676Ft
 4, Position: 7.776Ft
 5, Position: 9.875Ft
 6, Position: 11.975Ft
 7, Position: 14.075Ft
 8, Position: 16.175Ft
 9, Position: 18.274Ft
 10, Position: 20.374Ft
 11, Position: 22.474Ft
 12, Position: 24.573Ft
 13, Position: 26.673Ft

Luff Curve

27.979Ft, 0.000Ft
 25.654Ft, 0.103Ft
 23.083Ft, 0.186Ft
 20.819Ft, 0.228Ft
 18.187Ft, 0.245Ft
 13.924Ft, 0.215Ft
 9.093Ft, 0.146Ft
 4.729Ft, 0.073Ft
 0.000Ft, 0.000Ft

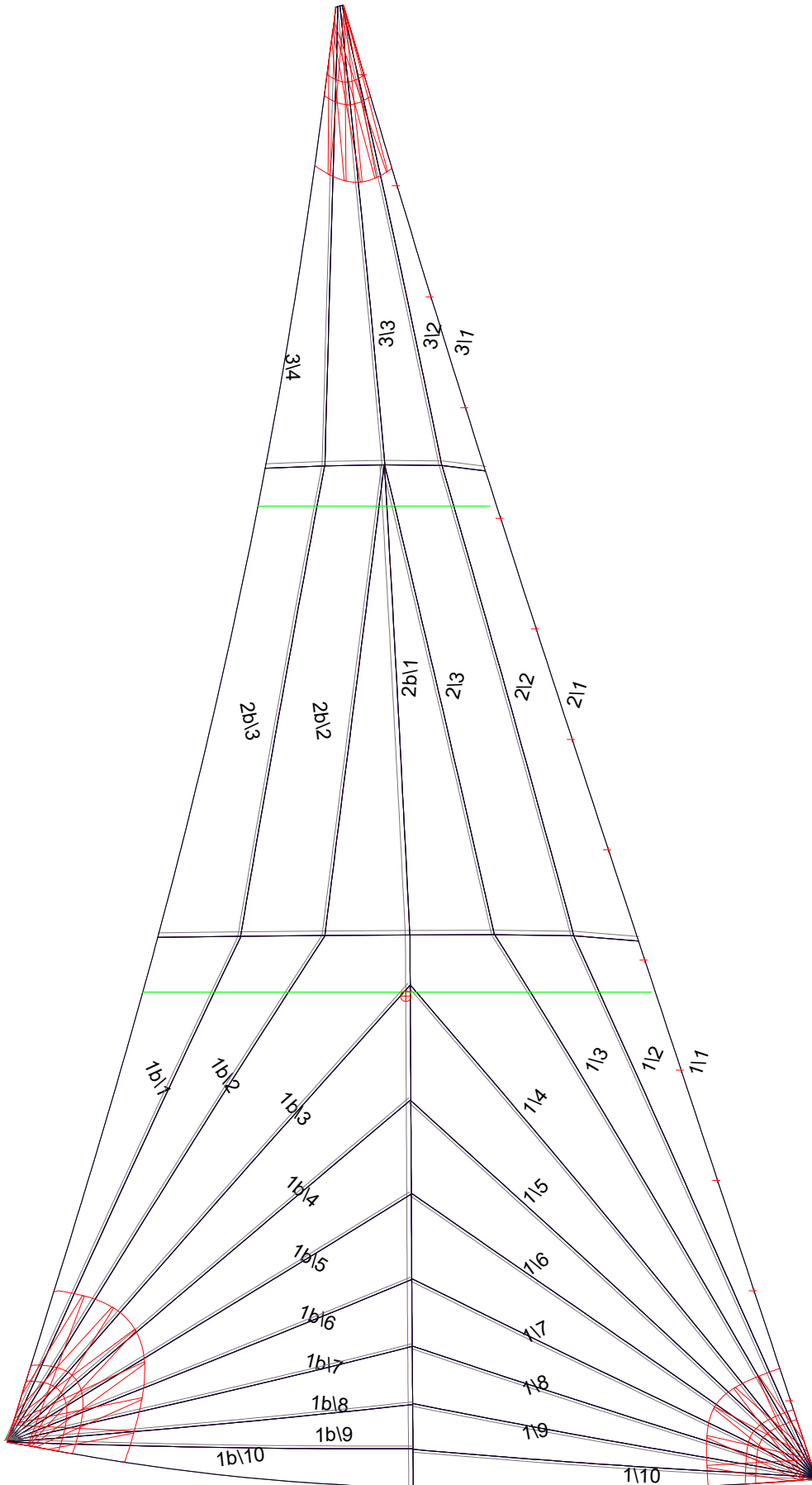
Fanned Luff (@ 5.00% [0.732Ft])

100% (27.980Ft) : 0.000Ft
 90% (25.181Ft) : -0.109Ft
 80% (22.388Ft) : -0.191Ft
 70% (19.588Ft) : -0.230Ft
 60% (16.790Ft) : -0.236Ft
 50% (13.991Ft) : -0.214Ft
 40% (11.193Ft) : -0.178Ft
 30% (8.394Ft) : -0.135Ft
 20% (5.597Ft) : -0.089Ft
 10% (2.796Ft) : -0.045Ft
 0% (0.000Ft) : -0.000Ft

Before BSeam

-0.000Ft
 0.008Ft
 0.027Ft
 0.063Ft
 0.111Ft
 0.158Ft
 0.195Ft
 0.212Ft
 0.190Ft
 0.112Ft
 0.000Ft

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Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1/a	0.082Ft	0.049Ft	0.082Ft
Zone: 1/b	0.082Ft	0.049Ft	0.082Ft
Zone: 2/a	0.082Ft	0.049Ft	0.082Ft
Zone: 2/b	0.082Ft	0.049Ft	0.082Ft
Zone: 3	0.082Ft	0.049Ft	0.082Ft

Edge Excesses

Sail:	Luff	Leech	Foot
	0.000Ft	0.000Ft	0.000Ft

Total Seam Lengths (Ft)

Horizontal	13.60
Radial/Vertical	227.42
Bi-Radial Split	19.17

Materials

Material	Area (Ft ²)	Panels
Material 1	196.37	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1\9,1\10 1b\1,1b\2,1b\3,1b\4,1b\5 1b\6,1b\7,1b\8,1b\9,1b\10 2\1,2\2,2\3,2b\1,2b\2 2b\3,3\1,3\2,3\3,3\4