

Genoa: 7001129 Sean StaysailV1.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need to be Confirmed\7001129 Sean\7001129 Sean StaysailV1.des

Initial Design Date: 2/12/2023
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	29.206Ft
Leech geodesic:	27.500Ft
Foot geodesic:	9.160Ft
Headboard width:	0.108Ft
Luff perpendicular (HLP):	8.650Ft
Upper width (HUW):	0.944Ft
Three-quarter width (HTW):	1.834Ft
Half width (HHW):	3.857Ft
Quarter width (HQW):	6.160Ft
Foot median:	28.197Ft
ORC Headsail area:	119.225Ft?
IRC Headsail area:	118.890Ft?
Surface area:	119.017Ft?
Forestay height:	30.200Ft
J:	8.500Ft

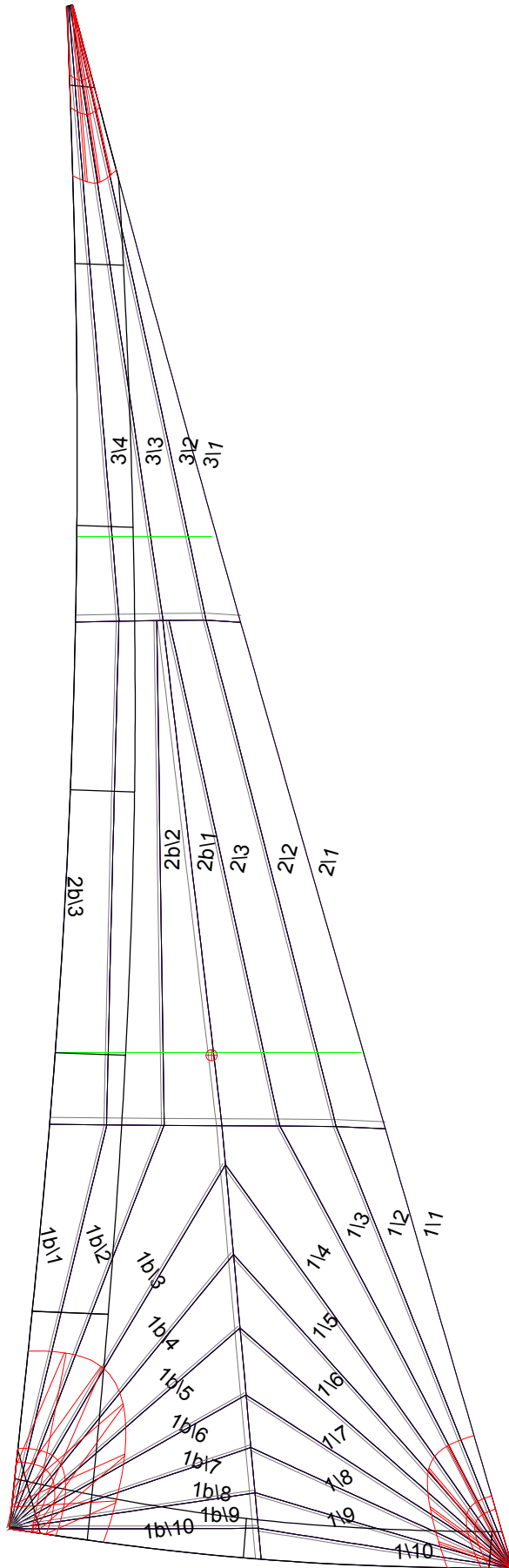
Draft Stripes

1, Luff: 9.667Ft ; Leech: 8.624Ft ;
2, Luff: 19.324Ft ; Leech: 17.892Ft ;

Luff Curve

		Fanned Luff (@ 5.00% [0.452Ft])	Before BSeam
29.203Ft,	0.000Ft	100% (29.203Ft) :	0.000Ft
26.776Ft,	0.073Ft	90% (26.282Ft) :	-0.076Ft
24.092Ft,	0.133Ft	80% (23.365Ft) :	-0.133Ft
21.730Ft,	0.164Ft	70% (20.443Ft) :	-0.161Ft
18.983Ft,	0.175Ft	60% (17.523Ft) :	-0.167Ft
14.533Ft,	0.154Ft	50% (14.602Ft) :	-0.155Ft
9.491Ft,	0.104Ft	40% (11.682Ft) :	-0.132Ft
4.936Ft,	0.052Ft	30% (8.761Ft) :	-0.104Ft
0.000Ft,	0.000Ft	20% (5.842Ft) :	-0.072Ft
		10% (2.919Ft) :	-0.038Ft
		0% (0.000Ft) :	0.000Ft

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Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.098Ft	0.049Ft	0.125Ft
Zone: 1/b	0.098Ft	0.049Ft	0.125Ft
Zone: 2/a	0.098Ft	0.049Ft	0.125Ft
Zone: 2/b	0.098Ft	0.049Ft	0.125Ft
Zone: 3	0.098Ft	0.049Ft	0.125Ft
Cover 1	0.082Ft	0.082Ft	0.082Ft
Cover 2	0.082Ft	0.082Ft	0.082Ft
Cover 3	0.000Ft	0.000Ft	0.000Ft
Cover 4	0.000Ft	0.000Ft	0.000Ft

Edge Excesses

	Luff	Leech	Foot
Sail:	0.000Ft	0.000Ft	0.000Ft
Cover 0	0.230Ft	0.328Ft	0.230Ft
Cover 1	0.230Ft	0.230Ft	0.328Ft
Cover 2	0.000Ft	0.230Ft	0.230Ft
Cover 3	0.000Ft	0.230Ft	0.230Ft

Total Seam Lengths (Ft)

Horizontal	9.40
Radial/Vertical	186.46
Bi-Radial Split	17.71

Materials

Material	Area (Ft ²)	Panels
Material 1	119.25	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