

# Genoa: 7000211 Franklin headsailV1.des

Design Info  
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Design File:  
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need Confrim Order\7000211 Franklin\700

Initial Design Date: 11/4/2023  
Boat:

Comments:

Client:

Design Data  
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## Genoa

### Measurements

Luff geodesic:	31.680Ft
Leech geodesic:	28.466Ft
Foot geodesic:	9.907Ft
Headboard width:	0.098Ft
Luff perpendicular (HLP):	8.786Ft
Upper width (HUW):	0.940Ft
Three-quarter width (HTW):	1.837Ft
Half width (HHW):	3.871Ft
Quarter width (HQW):	6.213Ft
Foot median:	29.960Ft
ORC Headsail area:	130.483Ft?
IRC Headsail area:	130.213Ft?
Surface area:	131.098Ft?
Forestay height:	32.250Ft
J:	9.250Ft

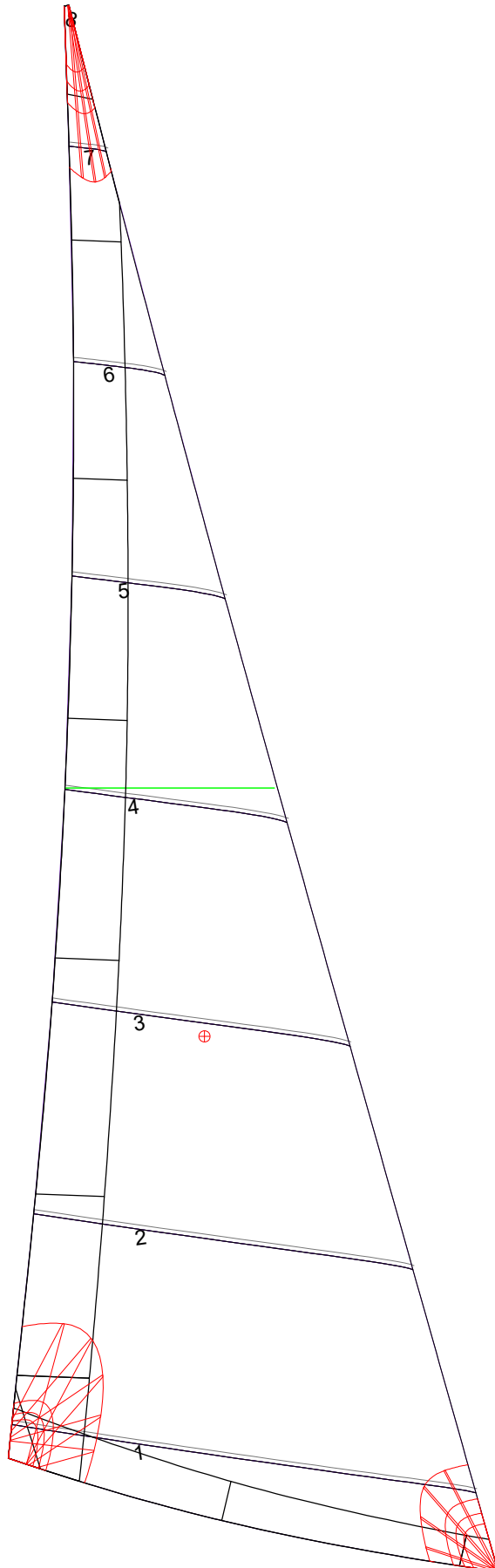
### Draft Stripes

1, Luff: 15.885Ft ; Leech: 13.144Ft ;

### Luff Curve

		Fanned Luff (@ 5.00% [0.478Ft])	Before BSeam
31.676Ft,	0.000Ft	100% (31.677Ft) :	0.000Ft
29.044Ft,	0.080Ft	90% (28.510Ft) :	-0.032Ft
26.133Ft,	0.144Ft	80% (25.343Ft) :	-0.047Ft
23.570Ft,	0.177Ft	70% (22.175Ft) :	-0.049Ft
20.590Ft,	0.190Ft	60% (19.007Ft) :	-0.038Ft
15.763Ft,	0.167Ft	50% (15.839Ft) :	-0.018Ft
10.295Ft,	0.113Ft	40% (12.671Ft) :	0.001Ft
5.354Ft,	0.057Ft	30% (9.503Ft) :	0.012Ft
0.000Ft,	0.000Ft	20% (6.336Ft) :	0.018Ft
		10% (3.167Ft) :	0.017Ft
		0% (0.000Ft) :	0.000Ft

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## Seam Allowances

	Split	Radial	Cross
Zone: 1	0.082Ft	0.082Ft	0.082Ft
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	0.230Ft
Cover 2	0.000Ft	0.230Ft	0.230Ft
Cover 3	0.000Ft	0.230Ft	0.230Ft

## Total Seam Lengths (Ft)

Horizontal	33.53
Radial/Vertical	0.00
Bi-Radial Split	0.00

## Materials

Material	Area (Ft <sup>2</sup> )	Panels
Material 1	131.58	1,2,3,4,5 6,7,8