

# Genoa: 8000620 Ed Laser28 Furlgen.des

Design Info  
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Design File:  
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000620 Ed Laser

Initial Design Date: 10/7/2024  
Boat:  
Laser 28  
Client:

Comments:

Design Data  
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## Genoa

### Measurements

Luff geodesic:	9.101m
Leech geodesic:	8.508m
Foot geodesic:	4.724m
Headboard width:	0.035m
Luff perpendicular (HLP):	4.411m
Upper width (HUW):	0.535m
Three-quarter width (HTW):	1.044m
Half width (HHW):	2.097m
Quarter width (HQW):	3.212m
Foot median:	8.614m
ORC Headsail area:	19.568m?
IRC Headsail area:	19.585m?
Surface area:	19.658m?
Forestay height:	9.479m
J:	2.941m

### Draft Stripes

1, Luff: 2.285m ; Leech: 1.815m ;  
2, Luff: 4.569m ; Leech: 4.049m ;  
3, Luff: 6.842m ; Leech: 6.251m ;

### Luff Curve

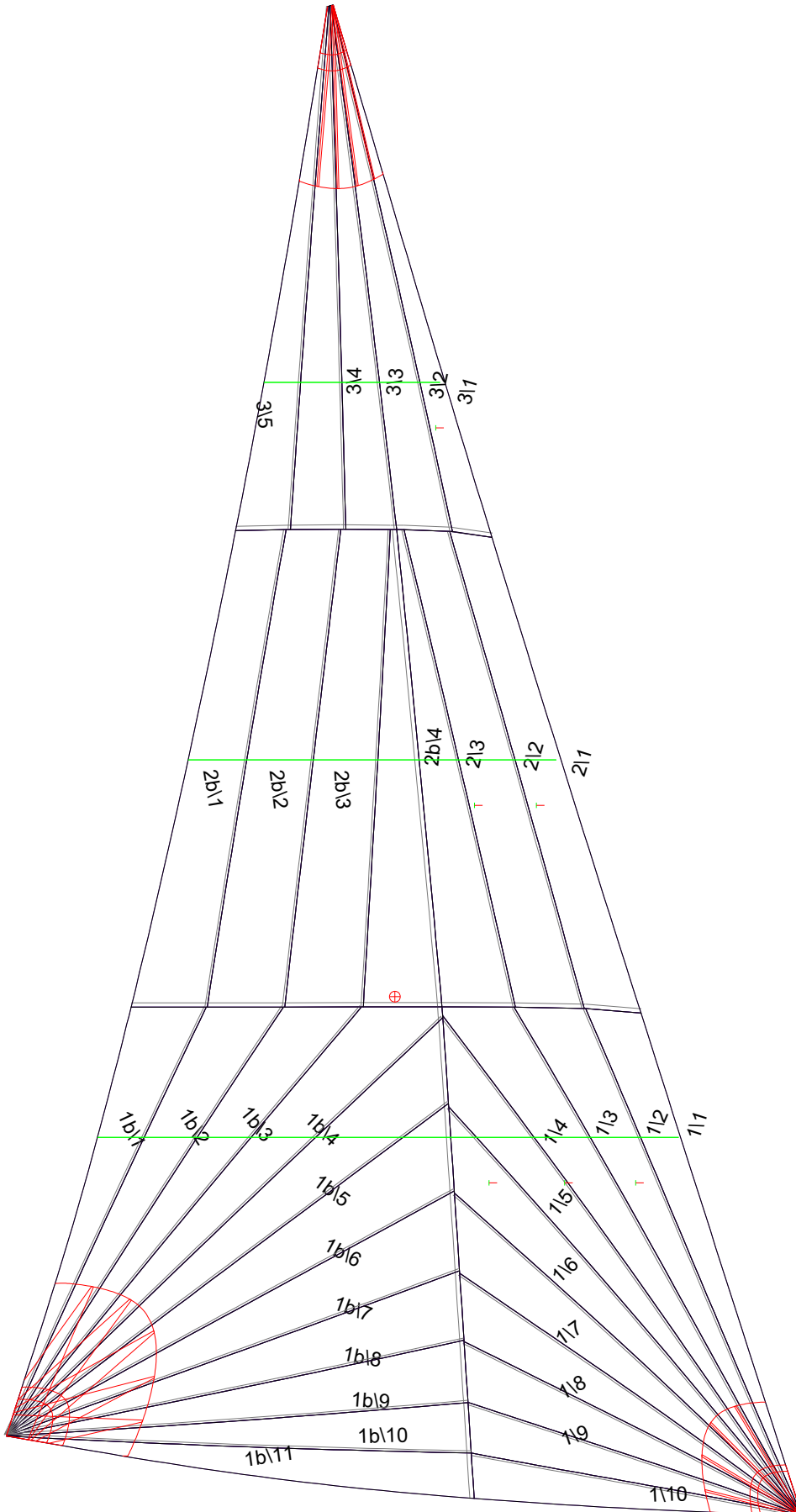
9.100m,	0.000m
7.962m,	0.032m
6.825m,	0.056m
4.550m,	0.060m
2.275m,	0.032m
1.137m,	0.015m
0.000m,	0.000m

### Fanned Luff (@ 5.00% [0.229m])

100% (9.100m) :	0.000m	0.000m
90% (8.190m) :	-0.024m	0.010m
80% (7.281m) :	-0.046m	0.016m
70% (6.370m) :	-0.061m	0.022m
60% (5.460m) :	-0.066m	0.030m
50% (4.550m) :	-0.063m	0.038m
40% (3.640m) :	-0.054m	0.045m
30% (2.730m) :	-0.042m	0.046m
20% (1.820m) :	-0.029m	0.041m
10% (0.909m) :	-0.015m	0.023m
0% (0.000m) :	0.000m	0.000m

### Before BSeam

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## Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.025m	0.013m	0.025m
Zone: 1/b	0.025m	0.013m	0.025m
Zone: 2/a	0.025m	0.013m	0.025m
Zone: 2/b	0.025m	0.013m	0.025m
Zone: 3	0.025m	0.013m	0.025m

## Edge Excesses

Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

## Total Seam Lengths (m)

Horizontal	4.70
Radial/Vertical	81.37
Bi-Radial Split	5.78

## Materials

Material	Area (m <sup>2</sup> )	Panels
WD 5.11	19.71	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 1b\11,2\1,2\2,2\3,2b\4 2b\3,2b\2,2b\1,3\1,3\2 3\3,3\4,3\5