

Genoa: 7001019 Jeff Etap 28i HeadsailV1.des

Design Info
=====

Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need to be Confirmed\7001019 Jeff\7001019

Initial Design Date: 9/11/2023
Boat:

Comments:

Client:

Design Data
=====

Genoa

Measurements

Luff geodesic:	9.230m
Leech geodesic:	8.527m
Foot geodesic:	4.148m
Headboard width:	0.030m
Luff perpendicular (HLP):	3.847m
Upper width (HUW):	0.442m
Three-quarter width (HTW):	0.871m
Half width (HHW):	1.798m
Quarter width (HQW):	2.802m
Foot median:	8.769m
ORC Headsail area:	17.157m?
IRC Headsail area:	17.118m?
Surface area:	17.315m?
Forestay height:	9.900m
J:	2.940m

Draft Stripes

- 1, Luff: 3.059m ; Leech: 2.502m ;
- 2, Luff: 6.113m ; Leech: 5.460m ;

Luff Curve

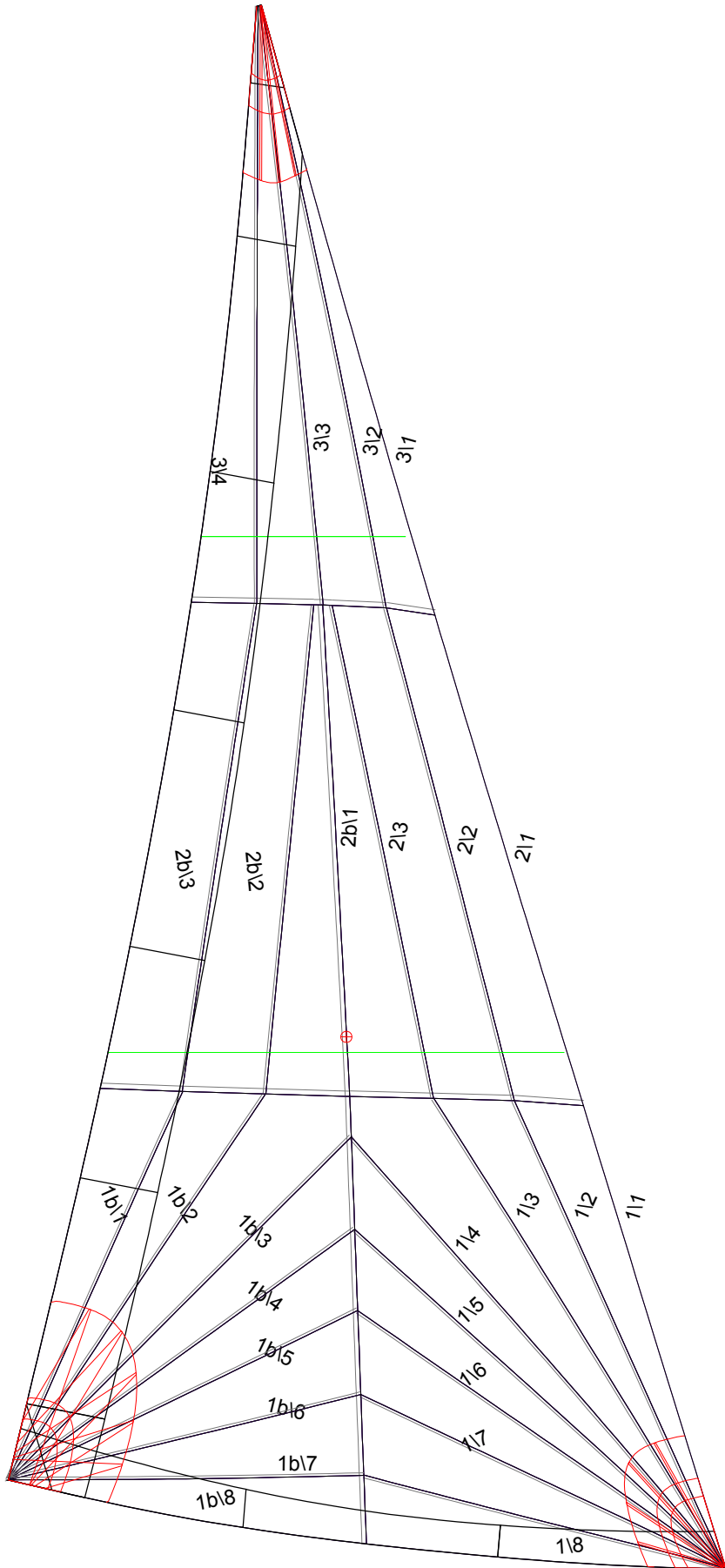
9.228m,	0.000m
8.461m,	0.031m
7.613m,	0.056m
6.867m,	0.069m
5.999m,	0.074m
4.592m,	0.065m
2.999m,	0.044m
1.560m,	0.022m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.203m])

100% (9.228m) :	0.000m	-0.000m
90% (8.306m) :	-0.035m	0.001m
80% (7.384m) :	-0.060m	0.006m
70% (6.460m) :	-0.073m	0.013m
60% (5.537m) :	-0.075m	0.020m
50% (4.614m) :	-0.069m	0.027m
40% (3.692m) :	-0.058m	0.031m
30% (2.769m) :	-0.044m	0.030m
20% (1.846m) :	-0.030m	0.026m
10% (0.922m) :	-0.015m	0.016m
0% (0.000m) :	0.000m	0.000m

Before BSeam

Genoa: 7001019 Jeff Etap 28i HeadsailV1.des



Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.025m	0.015m	0.030m
Zone: 1/b	0.025m	0.015m	0.030m
Zone: 2/a	0.025m	0.015m	0.030m
Zone: 2/b	0.025m	0.015m	0.030m
Zone: 3	0.025m	0.015m	0.030m
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	4.36
Radial/Vertical	57.93
Bi-Radial Split	5.49

Materials

Material	Area (m ²)	Panels
Material 1	17.33	1l1,1l2,1l3,1l4,1l5 1l6,1l7,1l8,1b1,1b2 1b3,1b4,1b5,1b6,1b7 1b8,2l1,2l2,2l3,2b1 2b2,2b3,3l1,3l2,3l3 3l4