

Genoa: 8000434 Ken 140%furlgen.des

Design Info
=====

Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000434 Ken head

Initial Design Date: 8/5/2024
Boat:

Comments:

Client:

Design Data
=====

Genoa

Measurements

Luff geodesic:	12.434m
Leech geodesic:	11.911m
Foot geodesic:	5.870m
Headboard width:	0.035m
Luff perpendicular (HLP):	5.586m
Upper width (HUW):	0.601m
Three-quarter width (HTW):	1.208m
Half width (HHW):	2.600m
Quarter width (HQW):	4.064m
Foot median:	11.986m
ORC Headsail area:	33.334m?
IRC Headsail area:	33.237m?
Surface area:	33.512m?
Forestay height:	13.560m
J:	3.990m

Draft Stripes

1, Luff: 3.122m ; Leech: 2.786m ;
2, Luff: 6.243m ; Leech: 5.838m ;
3, Luff: 9.351m ; Leech: 8.845m ;

Luff Curve

12.432m,	0.000m
11.399m,	0.042m
10.256m,	0.076m
9.250m,	0.094m
8.081m,	0.100m
6.186m,	0.088m
4.040m,	0.060m
2.101m,	0.030m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.289m])

100% (12.432m) :	0.000m	-0.000m
90% (11.187m) :	-0.047m	-0.017m
80% (9.947m) :	-0.086m	-0.026m
70% (8.703m) :	-0.101m	-0.011m
60% (7.460m) :	-0.099m	0.015m
50% (6.216m) :	-0.088m	0.034m
40% (4.973m) :	-0.073m	0.044m
30% (3.730m) :	-0.055m	0.047m
20% (2.487m) :	-0.036m	0.040m
10% (1.242m) :	-0.019m	0.022m
0% (0.000m) :	0.000m	0.000m

Before BSeam

Genoa: 8000434 Ken 140%furlgen.des

Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1	0.000m	0.000m	0.035m
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

Sail:	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	30.25
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	33.61	1,2,3,4,5 6,7,8,9,10 11

