

Genoa: 7001217 Kieran Sonata 22 genoa.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need to be Confirmed\7001217 Kieran\700

Initial Design Date: 3/1/2024
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	7.430m
Leech geodesic:	7.089m
Foot geodesic:	3.868m
Headboard width:	0.035m
Luff perpendicular (HLP):	3.660m
Upper width (HUW):	0.420m
Three-quarter width (HTW):	0.831m
Half width (HHW):	1.720m
Quarter width (HQW):	2.680m
Foot median:	7.138m
ORC Headsail area:	13.186m?
IRC Headsail area:	13.139m?
Surface area:	13.355m?
Forestay height:	7.390m
J:	2.440m

Draft Stripes

1, Luff: 2.464m ; Leech: 2.261m ;
2, Luff: 4.923m ; Leech: 4.632m ;

Luff Slides

1, Position: 0.475m
2, Position: 1.203m
3, Position: 1.932m
4, Position: 2.660m
5, Position: 3.388m
6, Position: 4.117m
7, Position: 4.845m
8, Position: 5.573m
9, Position: 6.302m
10, Position: 7.030m

Luff Curve

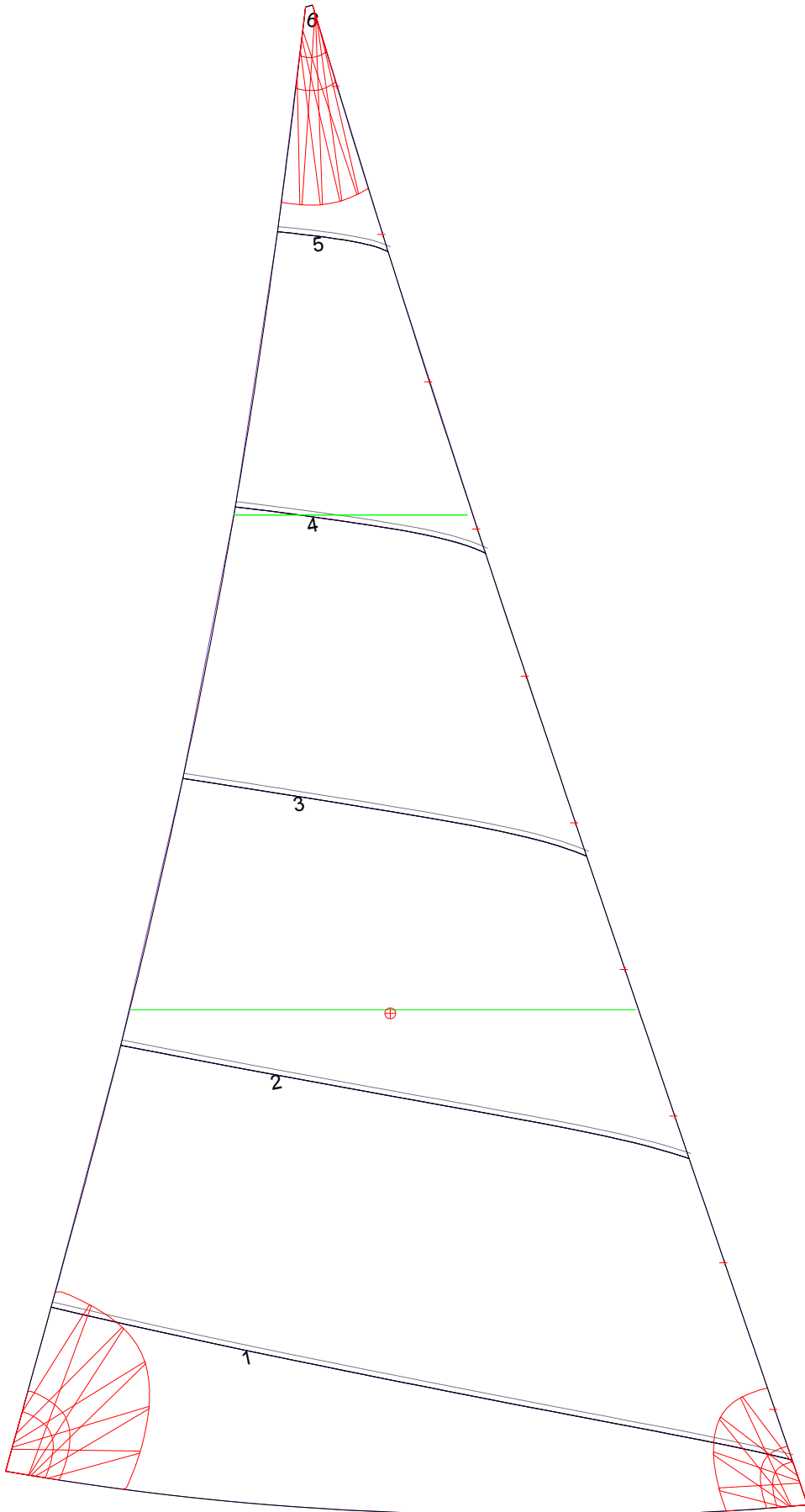
7.429m,	0.000m
6.811m,	0.025m
6.129m,	0.046m
5.528m,	0.056m
4.829m,	0.060m
3.697m,	0.053m
2.414m,	0.036m
1.256m,	0.018m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.189m])

100% (7.429m) :	0.000m	-0.000m
90% (6.685m) :	-0.029m	-0.003m
80% (5.944m) :	-0.049m	0.000m
70% (5.200m) :	-0.059m	0.009m
60% (4.458m) :	-0.060m	0.020m
50% (3.715m) :	-0.055m	0.031m
40% (2.972m) :	-0.046m	0.039m
30% (2.229m) :	-0.035m	0.040m
20% (1.486m) :	-0.024m	0.034m
10% (0.742m) :	-0.012m	0.020m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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Seam Allowances

Zone: 1	Split	Radial	Cross
	0.025m	0.025m	0.025m

Edge Excesses

Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	10.41
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	13.39	1,2,3,4,5 6