

Genoa: 7000907 Jens-2 Kirie Feeling 326 Headsail.des Fareast Sail / Michael,

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need to be Confirmed\7000907 Jens\7000

Initial Design Date: 14/9/2023
Boat:
Kirie Feeling 326
Client:
Fareast Sail / Michael,

Comments:
Kirie Feeling 326,masthead rig, radial genoa,28.6m2.
I=12.36m, J=3.64m
Luff=11.58m, leech= 11.23m, foot=5.29m,LP 140%%.
UV on leech and foot
2 Draft strips @33%% and @66%%
seam radial = 15mm , zone seams = 30mm
radial patch at clew, fan patch at head and tack
Tack height off deck 280mm, clew height off deck 400mm

Design Data
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Genoa

Measurements

Luff geodesic:	11.580m
Leech geodesic:	11.229m
Foot geodesic:	5.295m
Headboard width:	0.033m
Luff perpendicular (HLP):	5.096m
Upper width (HUW):	0.557m
Three-quarter width (HTW):	1.117m
Half width (HHW):	2.350m
Quarter width (HQW):	3.704m
Foot median:	11.313m
ORC Headsail area:	28.300m?
IRC Headsail area:	28.191m?
Surface area:	28.601m?
Forestay height:	12.360m
J:	3.640m

Draft Stripes

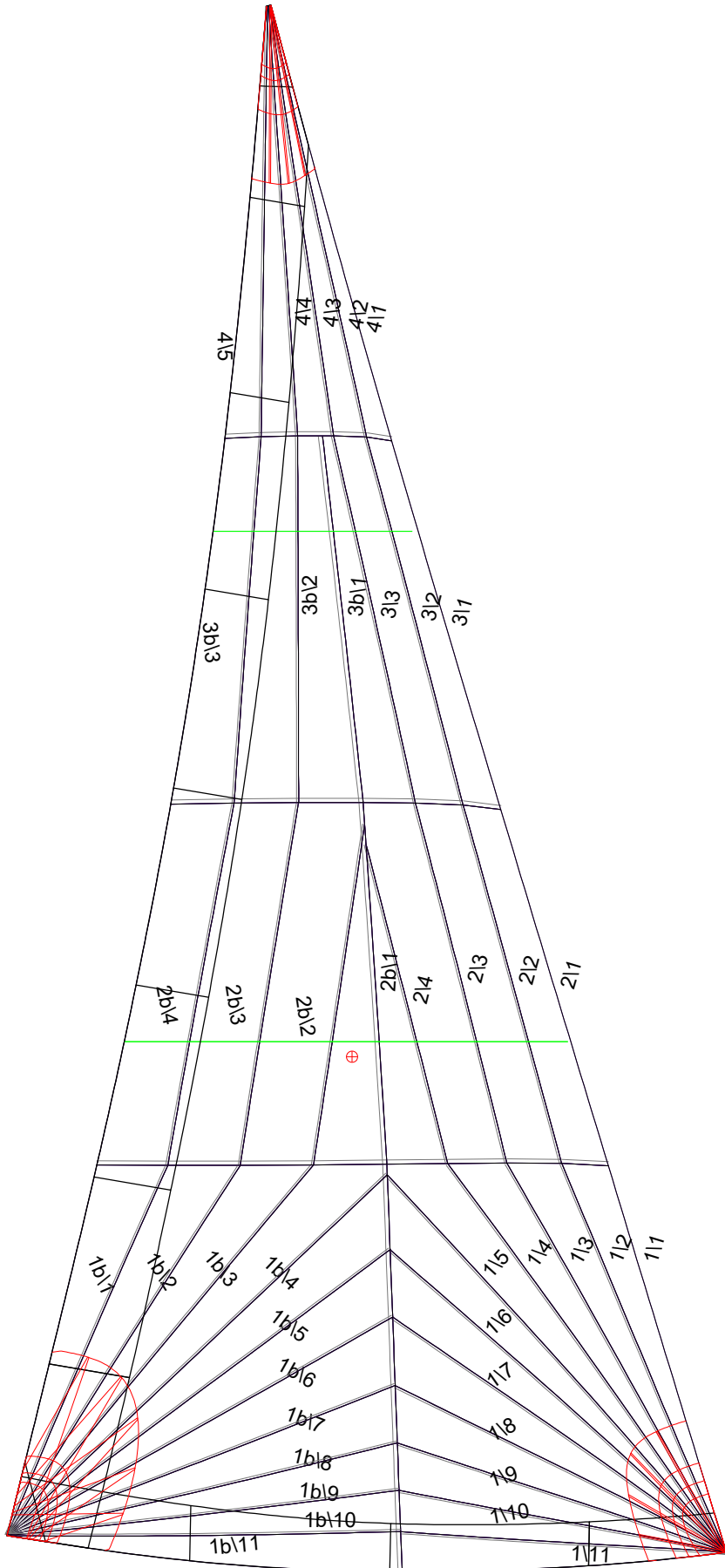
- 1, Luff: 3.838m ; Leech: 3.674m ;
- 2, Luff: 7.669m ; Leech: 7.374m ;

Luff Curve

11.578m,	0.000m
10.616m,	0.039m
9.552m,	0.071m
8.615m,	0.087m
7.526m,	0.094m
5.762m,	0.082m
3.763m,	0.056m
1.957m,	0.028m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.258m])		Before BSeam
100% (11.578m) :	-0.000m	-0.000m
90% (10.419m) :	-0.045m	-0.009m
80% (9.264m) :	-0.076m	-0.005m
70% (8.105m) :	-0.091m	0.009m
60% (6.947m) :	-0.092m	0.027m
50% (5.789m) :	-0.083m	0.045m
40% (4.632m) :	-0.070m	0.057m
30% (3.473m) :	-0.054m	0.059m
20% (2.316m) :	-0.036m	0.049m
10% (1.157m) :	-0.019m	0.028m
0% (0.000m) :	0.000m	0.000m

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Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.030m	0.015m	0.030m
Zone: 1/b	0.030m	0.015m	0.030m
Zone: 2/a	0.030m	0.015m	0.030m
Zone: 2/b	0.030m	0.015m	0.030m
Zone: 3/a	0.030m	0.015m	0.030m
Zone: 3/b	0.030m	0.015m	0.030m
Zone: 4	0.030m	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	7.73
Radial/Vertical	101.31
Bi-Radial Split	8.49

Materials

Material	Area (m ²)	Panels
Material 1	28.63	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1\9,1\10 1\11,1b\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 2\4,2b\1,2b\2,2b\3,2b\4 3\1,3\2,3\3,3b\1,3b\2 3b\3,4\1,4\2,4\3,4\4 4\5