

Genoa: 7001205 Edward radialFurlgen.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\7001205 Edward\

Initial Design Date: 23/1/2024
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	14.553m
Leech geodesic:	14.256m
Foot geodesic:	7.402m
Headboard width:	0.055m
Luff perpendicular (HLP):	7.152m
Upper width (HUW):	0.827m
Three-quarter width (HTW):	1.621m
Half width (HHW):	3.375m
Quarter width (HQW):	5.254m
Foot median:	14.281m
ORC Headsail area:	50.559m?
IRC Headsail area:	50.369m?
Surface area:	51.640m?
Forestay height:	15.520m
J:	4.470m

Draft Stripes

1, Luff: 3.653m ; Leech: 3.487m ;
2, Luff: 7.306m ; Leech: 7.093m ;
3, Luff: 10.944m ; Leech: 10.634m ;

Luff Curve

14.550m,	0.000m
13.341m,	0.049m
12.004m,	0.089m
10.827m,	0.110m
9.458m,	0.118m
7.241m,	0.103m
4.729m,	0.070m
2.459m,	0.035m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.359m])

100% (14.551m) :	-0.000m	-0.000m
90% (13.095m) :	-0.046m	0.010m
80% (11.642m) :	-0.089m	0.022m
70% (10.186m) :	-0.114m	0.044m
60% (8.731m) :	-0.115m	0.074m
50% (7.276m) :	-0.103m	0.100m
40% (5.821m) :	-0.086m	0.114m
30% (4.365m) :	-0.068m	0.112m
20% (2.911m) :	-0.047m	0.093m
10% (1.454m) :	-0.025m	0.055m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.038m	0.015m	0.045m
Zone: 1/b	0.038m	0.015m	0.045m
Zone: 2/a	0.038m	0.015m	0.045m
Zone: 2/b	0.038m	0.015m	0.045m
Zone: 3/a	0.038m	0.015m	0.045m
Zone: 3/b	0.038m	0.015m	0.045m
Zone: 4	0.038m	0.015m	0.045m
Cover 1	0.025m	0.025m	0.025m
Cover 2	0.000m	0.000m	0.000m
Cover 3	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	0.000m	0.070m	0.070m
Cover 2	0.000m	0.070m	0.070m

Total Seam Lengths (m)

Horizontal	10.48
Radial/Vertical	153.48
Bi-Radial Split	11.32

Materials

Material	Area (m ²)	Panels
Material 1	54.60	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1\9,1\10 1\11,1\12,1b\1,1b\2,1b\3 1b\4,1b\5,1b\6,1b\7,1b\8 1b\9,1b\10,1b\11,1b\12,2\1 2\2,2\3,2\4,2\5,2b\1 2b\2,2b\3,2b\4,2b\5,3\1 3\2,3\3,3\4,3b\1,3b\2 3b\3,3b\4,4\1,4\2,4\3 4\4,4\5

