

Genoa: 8000521 Ryan Macg. 25 hanks genoa.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000521 Ryan Ma

Initial Design Date: 6/8/2024
Boat:
Macg. 25
Client:

Comments:

Design Data
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Genoa

Measurements

Luff geodesic:	8.675m
Leech geodesic:	8.169m
Foot geodesic:	5.313m
Headboard width:	0.050m
Luff perpendicular (HLP):	4.907m
Upper width (HUW):	0.565m
Three-quarter width (HTW):	1.117m
Half width (HHW):	2.315m
Quarter width (HQW):	3.592m
Foot median:	8.216m
ORC Headsail area:	20.661m?
IRC Headsail area:	20.602m?
Surface area:	21.080m?
Forestay height:	8.382m
J:	3.200m

Draft Stripes

1, Luff: 2.895m ; Leech: 2.547m ;
2, Luff: 5.768m ; Leech: 5.302m ;

Luff Slides

1, Position: 0.500m
2, Position: 1.198m
3, Position: 1.895m
4, Position: 2.593m
5, Position: 3.291m
6, Position: 3.988m
7, Position: 4.686m
8, Position: 5.384m
9, Position: 6.082m
10, Position: 6.779m
11, Position: 7.477m
12, Position: 8.175m

Luff Curve

8.670m,	0.000m
7.586m,	0.060m
6.502m,	0.102m
5.490m,	0.121m
4.335m,	0.121m
3.344m,	0.100m
2.167m,	0.064m
1.084m,	0.030m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.259m])		Before BSeam
100% (8.670m) :	-0.000m	0.000m
90% (7.802m) :	-0.049m	-0.010m
80% (6.938m) :	-0.089m	-0.014m
70% (6.070m) :	-0.117m	-0.012m
60% (5.203m) :	-0.129m	-0.004m
50% (4.335m) :	-0.126m	0.008m
40% (3.468m) :	-0.108m	0.022m
30% (2.601m) :	-0.082m	0.031m
20% (1.735m) :	-0.054m	0.031m
10% (0.865m) :	-0.026m	0.019m
0% (0.000m) :	0.000m	0.000m

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Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.025m	0.013m	0.025m
Zone: 1/b	0.025m	0.013m	0.025m
Zone: 2/a	0.025m	0.013m	0.025m
Zone: 2/b	0.025m	0.013m	0.025m
Zone: 3	0.025m	0.013m	0.025m

Edge Excesses

Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	5.42
Radial/Vertical	82.38
Bi-Radial Split	5.46

Materials

Material	Area (m ²)	Panels
Material 1	21.10	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1\9,1\10 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\3,2b\4 2b\3,2b\2,2b\1,3\1,3\2 3\3,3\4,3\5

