

Genoa: 8000533 Daniel-2 JeanneauSO37 Tri-radial furlgen.des Fareast Sails

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000533 Daniel Je

Initial Design Date: 11/6/2024
Boat:
Jeanneau SO 37
Client:
Fareast Sails

Comments:

Design Data
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Genoa

Measurements

Luff geodesic:	12.770m
Leech geodesic:	11.830m
Foot geodesic:	4.510m
Headboard width:	0.035m
Luff perpendicular (HLP):	4.202m
Upper width (HUW):	0.438m
Three-quarter width (HTW):	0.869m
Half width (HHW):	1.881m
Quarter width (HQW):	2.998m
Foot median:	12.294m
ORC Headsail area:	25.268m?
IRC Headsail area:	25.201m?
Surface area:	25.529m?
Forestay height:	13.600m
J:	3.820m

Draft Stripes

1, Luff: 4.232m ; Leech: 3.577m ;
2, Luff: 8.457m ; Leech: 7.625m ;

Luff Curve

12.767m,	0.000m
11.707m,	0.044m
10.533m,	0.079m
9.500m,	0.097m
8.299m,	0.104m
6.354m,	0.091m
4.149m,	0.062m
2.158m,	0.031m
0.000m,	0.000m

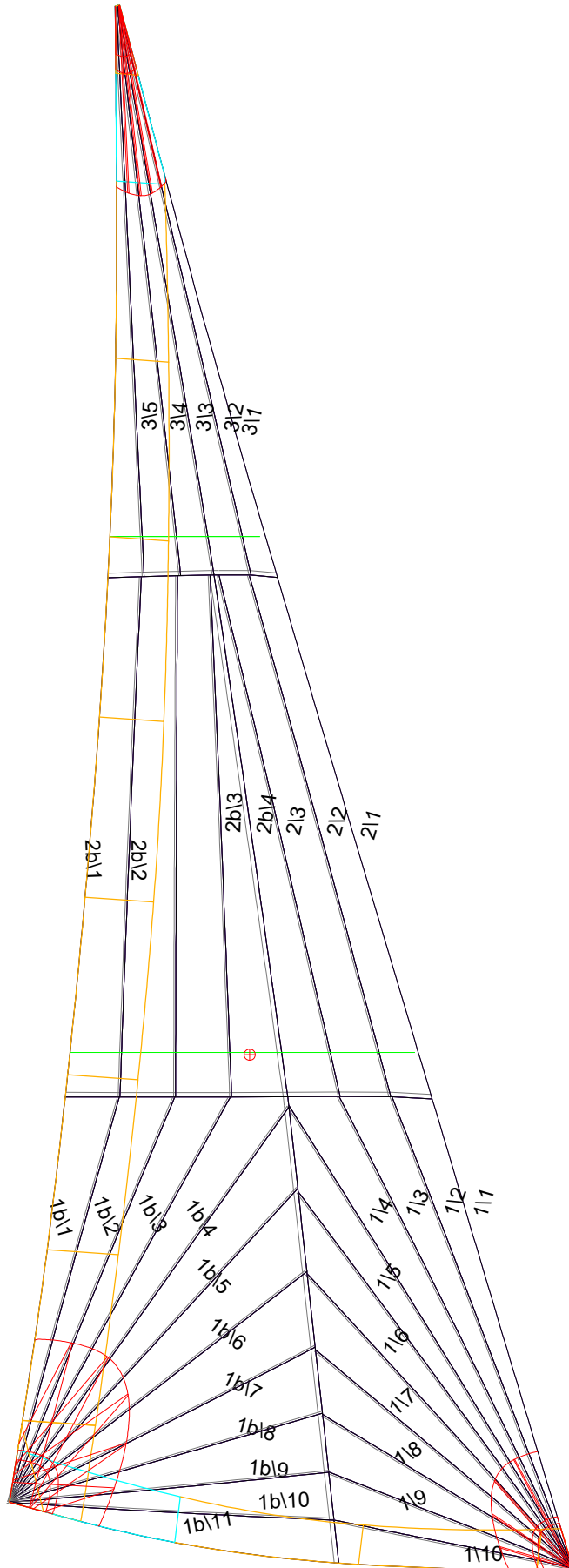
Fanned Luff (@ 5.00% [0.221m])

100% (12.768m) :	0.000m
90% (11.491m) :	-0.047m
80% (10.216m) :	-0.087m
70% (8.938m) :	-0.104m
60% (7.661m) :	-0.103m
50% (6.384m) :	-0.094m
40% (5.107m) :	-0.078m
30% (3.830m) :	-0.060m
20% (2.554m) :	-0.040m
10% (1.276m) :	-0.020m
0% (0.000m) :	0.000m

Before BSeam

0.000m
-0.018m
-0.029m
-0.022m
-0.004m
0.012m
0.025m
0.031m
0.031m
0.021m
0.000m

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Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.035m	0.015m	0.035m
Zone: 1/b	0.035m	0.015m	0.035m
Zone: 2/a	0.035m	0.015m	0.035m
Zone: 2/b	0.035m	0.015m	0.035m
Zone: 3	0.035m	0.015m	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

	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	4.44
Radial/Vertical	98.71
Bi-Radial Split	8.06

Materials

Material	Area (m ²)	Panels
Material 1	25.58	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