

Mainsail: 7001115 Franck-1 Beneteau First 26 Mainsail.des AS-06/Jack Yan Job Number: 49018-SW

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need to be Confirmed\7001115 Franck\70

Job No: 49018-SW
Initial Design Date: 30/12/2013
Boat:
Beneteau First 26
Client:
AS-06/Jack Yan

Comments:
Beneteau First 26,crusing main sail; 12.537sqm
Luff=8.25m;leech=8.62m;foot=2.7m
2 full/2 short battens ,lengths from top:
739mm;1299mm;1000mm;800mm
2 reefs@900mm,200mm;3 reef pts
1 cunningham@250mm
2 draft stripes@33%%,66%%
standard radial patches .

Design Data
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Main

Measurements

Luff geodesic: 8.020m
Leech geodesic: 8.420m
Foot geodesic: 2.820m
Head geodesic: 0.115m
Upper width (MUW): 0.562m
Three-quarter width (MTW): 0.995m
Half width (MHW): 1.724m
Quarter width (MQW): 2.327m
Foot median: 8.181m
ORC Mainsail area: 13.064m?
Surface area: 13.392m?
Clew height: 0.070m
Mast rake: 0.110m

Battens

Position	Length	Roach	Angle	Luff	Leech	Full
82.000%	0.806m	0.150m	73.248?	6.574m	6.890m	Full
62.000%	1.428m	0.196m	73.248?	4.970m	5.209m	Full
42.000%	1.956m	0.177m	73.248?	3.366m	3.529m	Full
22.000%	2.403m	0.113m	73.248?	1.763m	1.849m	Full

Reefing Points

1, Luff: 0.874m ; Leech: 0.877m ; Offset: 0.000m ; Number Eyelets: 3
2, Luff: 1.944m ; Leech: 1.960m ; Offset: 0.000m ; Number Eyelets: 3

Draft Stripes

1, Luff: 2.646m ; Leech: 2.674m ;
2, Luff: 5.293m ; Leech: 5.445m ;

Luff Slides

1, Position: 0.745m
2, Position: 2.405m
3, Position: 4.008m
4, Position: 5.612m
5, Position: 7.217m

Luff Curve

		Fanned Luff (@ 5.00% [0.141m])	Before BSeam
8.020m,	0.000m	100% (8.020m) :	0.000m
7.020m,	-0.019m	90% (7.218m) :	0.012m
6.015m,	-0.032m	80% (6.416m) :	0.022m
5.007m,	-0.037m	70% (5.614m) :	0.028m
4.010m,	-0.038m	60% (4.812m) :	0.030m
2.988m,	-0.035m	50% (4.010m) :	0.030m
2.005m,	-0.028m	40% (3.208m) :	0.028m
0.999m,	-0.016m	30% (2.406m) :	0.024m
0.000m,	0.000m	20% (1.604m) :	0.017m
		10% (0.802m) :	0.009m
		0% (0.000m) :	0.000m

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Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.025m	0.015m	0.025m
Zone: 1/b	0.025m	0.015m	0.025m
Zone: 2/a	0.025m	0.015m	0.025m
Zone: 2/b	0.025m	0.015m	0.025m
Zone: 3	0.025m	0.015m	0.025m

Edge Excesses

Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	3.79
Radial/Vertical	54.72
Bi-Radial Split	5.08

Materials

Material	Area (m ²)	Panels
Material 1	13.41	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 2\1,2\2,2\3,2b\1,2b\2 2b\3,3\1,3\2,3\3,3\4

