

Asymmetric: FE28R a1.5.des

Design Info
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Design File:
D:\dropbox\Dropbox\Dropbox\Fareast Sails\2022 Order\Need confirm order\6000509 Young\FE28R a1.5.des

Initial Design Date: 1/11/2020
Boat:

Comments:

Client:

Design Data
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Asymmetric

Measurements

Luff length (SLU):	14.100m	
Leech length (SLE):	12.000m	
Foot length (SFL):	7.500m	
Headboard Width:	0.010m	
Three-quarter width:	3.932m	Closest Pt: 3.094m
Half width (SHW):	6.946m	Closest Pt: 6.096m
Quarter width:	7.745m	Closest Pt: 7.663m
ORC Area:	76.743m?	
IRC Area:	76.436m?	
Surface Area:	79.158m?	
Hoist height:	13.000m	
J:	3.939m	

Luff Curve

10.349m,	0.000m
7.762m,	0.000m
5.175m,	0.000m
2.587m,	0.000m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.296m])

100% (14.026m) :	-0.000m	0.000m
88% (12.408m) :	-0.130m	0.558m
77% (10.836m) :	-0.257m	1.063m
67% (9.329m) :	-0.373m	1.465m
56% (7.901m) :	-0.476m	1.682m
47% (6.553m) :	-0.556m	1.716m
37% (5.250m) :	-0.601m	1.566m
28% (3.959m) :	-0.595m	1.260m
19% (2.661m) :	-0.503m	0.868m
10% (1.342m) :	-0.289m	0.452m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1/a	0.020m	0.020m	0.020m
Zone: 1/b	0.020m	0.020m	0.020m
Zone: 2/a	0.020m	0.020m	0.020m
Zone: 2/b	0.020m	0.020m	0.020m
Zone: 3/a	0.020m	0.020m	0.020m
Zone: 3/b	0.020m	0.020m	0.020m
Zone: 4	0.020m	0.020m	0.020m

Edge Excesses

Sail:	Luff	Leech	Foot
Sail:	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	21.59
Radial/Vertical	245.96
Bi-Radial Split	9.26

Materials

Material	Area (m ²)	Panels
Material 1	79.13	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1\9,1\10 1\11,1\12,1\13,1\14,1\15 1\16,1b\1,1b\2,1b\3,1b\4 1b\5,1b\6,1b\7,1b\8,1b\9 1b\10,1b\11,1b\12,1b\13,1b\14 1b\15,1b\16,2\1,2\2,2\3 2\4,2\5,2\6,2\7,2\8 2\9,2b\9,2b\8,2b\7,2b\6 2b\5,2b\4,2b\3,2b\2,2b\1 3\1,3\2,3\3,3\4,3\5 3\6,3\7,3\8,3b\8,3b\7 3b\6,3b\5,3b\4,3b\3,3b\2 3b\1,4\1,4\2,4\3,4\4 4\5,4\6,4\7,4\8,4\9 4\10,4\11,4\12

