

Asymmetric: 7001228 JP FarEast 28R A5 V2.des

Design Info =====

Initial Design Date: 4/1/2024
Boat:
FarEast 28R /A5
Client:

Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Passed to Production\7001228 JP\7001228

Comments:

Design Data =====

Asymmetric

Measurements

Luff length (SLU): 12.200m
Leech length (SLE): 11.687m
Foot length (SFL): 6.039m
Headboard Width: 0.010m
Three-quarter width: 3.026m
Half width (SHW): 5.108m
Quarter width: 5.831m
ORC Area: 52.693m?
IRC Area: 52.483m?
Surface Area: 54.270m?
Hoist height: 11.810m
J: 3.300m

Closest Pt: 2.818m
Closest Pt: 4.920m
Closest Pt: 5.835m

Luff Curve

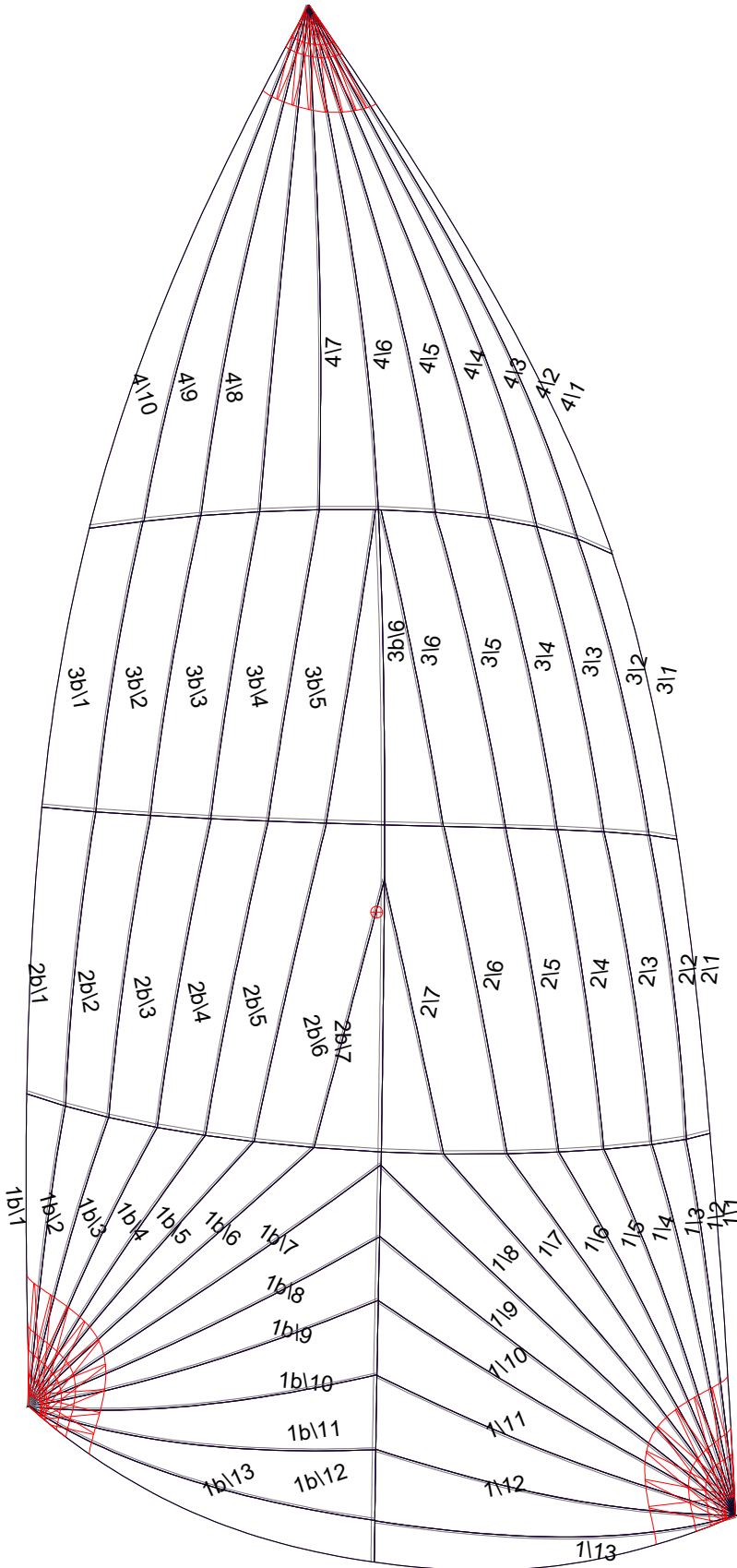
10.349m, 0.000m
7.762m, 0.000m
5.175m, 0.000m
2.587m, 0.000m
0.000m, 0.000m

Fanned Luff (@ 5.00% [0.264m])

100% (12.135m) : -0.000m -0.000m
89% (10.741m) : -0.121m 0.387m
77% (9.397m) : -0.239m 0.729m
67% (8.120m) : -0.349m 0.962m
57% (6.918m) : -0.443m 1.046m
47% (5.761m) : -0.512m 1.014m
38% (4.620m) : -0.543m 0.895m
29% (3.480m) : -0.521m 0.710m
19% (2.333m) : -0.423m 0.484m
10% (1.172m) : -0.236m 0.249m
0% (0.000m) : 0.000m 0.000m

Before BSeam

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Seam Allowances

Zone:	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/a	0.025m	0.015m	0.025m
Zone: 3/b	0.025m	0.015m	0.025m
Zone: 4	0.025m	0.015m	0.025m

Edge Excesses

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

Total Seam Lengths (m)

Horizontal	15.74
Radial/Vertical	174.32
Bi-Radial Split	8.40

Materials

Material	Area (m ²)	Panels
Material 1	54.17	1i1,1i2,1i3,1i4,1i5 1i6,1i7,1i8,1i9,1i10 1i11,1i12,1i13,1b1,1b2 1b3,1b4,1b5,1b6,1b7 1b8,1b9,1b10,1b11,1b12 1b13,2i1,2i2,2i3,2i4 2i5,2i6,2i7,2b7,2b6 2b5,2b4,2b3,2b2,2b1 3i1,3i2,3i3,3i4,3i5 3i6,3b6,3b5,3b4,3b3 3b2,3b1,4i1,4i2,4i3 4i4,4i5,4i6,4i7,4i8 4i9,4i10