

Asymmetric: 8000436 Duane CORSAIR 24MK1 Codezero.des

Design Info

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Initial Design Date: 7/5/2024
 Boat:
 CORSAIR 24MK1
 Client:

Design File:

\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000436 Duane co

Comments:

Design Data

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Asymmetric

Measurements

Luff length (SLU): 9.510m
 Leech length (SLE): 8.400m
 Foot length (SFL): 5.600m
 Headboard Width: 0.015m
 Three-quarter width: 1.899m
 Half width (SHW): 3.454m
 Quarter width: 4.641m
 ORC Area: 28.981m?
 IRC Area: 28.865m?
 Surface Area: 27.929m?
 Hoist height: 9.510m
 J: 3.937m

Closest Pt: 1.604m
 Closest Pt: 3.005m
 Closest Pt: 4.136m

Luff Curve

15.500m, 0.000m
 11.625m, 0.000m
 7.750m, 0.000m
 3.875m, 0.000m
 0.000m, 0.000m

Fanned Luff (@ 5.00% [0.268m])

100% (9.498m) : 0.000m
 90% (8.548m) : -0.082m
 80% (7.598m) : -0.147m
 70% (6.648m) : -0.193m
 60% (5.698m) : -0.212m
 50% (4.749m) : -0.208m
 40% (3.799m) : -0.190m
 30% (2.850m) : -0.159m
 20% (1.900m) : -0.116m
 10% (0.950m) : -0.061m
 0% (0.000m) : 0.000m

Before BSeam

0.000m
 0.063m
 0.110m
 0.151m
 0.185m
 0.196m
 0.188m
 0.158m
 0.123m
 0.073m
 0.000m

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Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1/a	0.025m	0.014m	0.025m
Zone: 1/b	0.025m	0.014m	0.025m
Zone: 2/a	0.025m	0.014m	0.025m
Zone: 2/b	0.025m	0.014m	0.025m
Zone: 3/a	0.025m	0.014m	0.025m
Zone: 3/b	0.025m	0.014m	0.025m

Edge Excesses

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

Total Seam Lengths (m)

Horizontal	6.96
Radial/Vertical	112.98
Bi-Radial Split	9.09

Materials

Material	Area (m ²)	Panels
Material 1	19.82	1b\1,1b\2,1b\3,1b\4,1b\5 1b\6,1b\7,1b\8,1b\9,1b\10 1b\11,1b\12,2\1,2\2,2\3 2\4,2\5,2b\1,2b\2,2b\3 2b\4,2b\5,3\1,3\2,3\3 3\4,3b\1,3b\2,3b\3,3b\4
Material 2	8.17	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1\9,1\10 1\11,1\12

