

# Asymmetric: 8000436 Duane CORSAIR 24MK1 CodezeroV1.des

## Design Info =====

Initial Design Date: 14/5/2024  
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 =====

### Asymmetric

#### Measurements

Luff length (SLU): 9.300m  
Leech length (SLE): 8.460m  
Foot length (SFL): 6.480m  
Headboard Width: 0.015m  
Three-quarter width: 2.232m  
Half width (SHW): 4.076m  
Quarter width: 5.431m  
ORC Area: 33.723m?  
IRC Area: 33.588m?  
Surface Area: 32.374m?  
Hoist height: 9.510m  
J: 3.930m

Closest Pt: 1.833m  
Closest Pt: 3.499m  
Closest Pt: 4.844m

#### 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% [0.310m])

100% (9.287m) : 0.000m  
90% (8.358m) : -0.084m  
80% (7.429m) : -0.149m  
70% (6.501m) : -0.194m  
60% (5.572m) : -0.213m  
50% (4.644m) : -0.209m  
40% (3.715m) : -0.191m  
30% (2.787m) : -0.160m  
20% (1.858m) : -0.117m  
10% (0.929m) : -0.061m  
0% (0.000m) : 0.000m

#### Before BSeam

0.000m  
0.074m  
0.135m  
0.187m  
0.228m  
0.241m  
0.228m  
0.191m  
0.147m  
0.086m  
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	8.55
Radial/Vertical	117.96
Bi-Radial Split	8.87

## Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	23.74	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	8.68	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1\9,1\10 1\11,1\12

