

# Asymmetric: 8000322 Kurt-2 Corsair 31 ScreecherV1.des

## Design Info =====

Initial Design Date: 21/6/2024  
Boat:  
Corsair 31 screecher  
Client:

Design File:  
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000322 Kurt Cors

Comments:

## Design Data =====

### Asymmetric

#### Measurements

Luff length (SLU):	38.671Ft	
Leech length (SLE):	34.810Ft	
Foot length (SFL):	25.804Ft	
Headboard Width:	0.066Ft	
Three-quarter width:	6.054Ft	Closest Pt: 5.365Ft
Half width (SHW):	12.720Ft	Closest Pt: 11.339Ft
Quarter width:	19.351Ft	Closest Pt: 17.446Ft
ORC Area:	469.559Ft?	
IRC Area:	467.681Ft?	
Surface Area:	447.779Ft?	
Hoist height:	36.942Ft	
J:	13.127Ft	

#### Luff Curve

		Fanned Luff (@ 5.00% [1.240Ft])	Before BSeam
50.853Ft,	0.000Ft	100% (38.665Ft) :	-0.000Ft
38.140Ft,	0.000Ft	90% (34.718Ft) :	-0.138Ft
25.427Ft,	0.000Ft	80% (30.798Ft) :	0.373Ft
12.713Ft,	0.000Ft	70% (26.912Ft) :	0.578Ft
0.000Ft,	0.000Ft	60% (23.042Ft) :	0.708Ft
		50% (19.183Ft) :	0.786Ft
		40% (15.333Ft) :	0.789Ft
		30% (11.491Ft) :	0.710Ft
		20% (7.656Ft) :	0.548Ft
		10% (3.827Ft) :	0.297Ft
		0% (0.000Ft) :	0.000Ft

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## Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1/a	0.098Ft	0.049Ft	0.098Ft
Zone: 1/b	0.098Ft	0.049Ft	0.098Ft
Zone: 2/a	0.098Ft	0.049Ft	0.098Ft
Zone: 2/b	0.098Ft	0.049Ft	0.098Ft
Zone: 3/a	0.098Ft	0.049Ft	0.098Ft
Zone: 3/b	0.098Ft	0.049Ft	0.098Ft
Zone: 4	0.098Ft	0.049Ft	0.098Ft

## Edge Excesses

Sail:	Luff	Leech	Foot
Sail:	0.000Ft	0.000Ft	0.000Ft

## Total Seam Lengths (Ft)

Horizontal	37.21
Radial/Vertical	585.41
Bi-Radial Split	26.77

## Materials

Material	Area (Ft <sup>2</sup> )	Panels
Material 1	448.90	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\13,1b\1,1b\2 1b\3,1b\4,1b\5,1b\6,1b\7 1b\8,1b\9,1b\10,1b\11,1b\12 1b\13,2\1,2\2,2\3,2\4 2\5,2\6,2\7,2b\1,2b\2 2b\3,2b\4,2b\5,2b\6,2b\7 3\1,3\2,3\3,3\4,3\5 3\6,3b\1,3b\2,3b\3,3b\4 3b\5,3b\6,4\1,4\2,4\3 4\4,4\5,4\6,4\7,4\8 4\9,4\10

