

Asymmetric: 8000322 Kurt-2 Corsair 31 Screecher.des

Design Info
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Initial Design Date: 19/6/2024
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
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Asymmetric

Measurements

Luff length (SLU):	38.671Ft	
Leech length (SLE):	34.800Ft	
Foot length (SFL):	25.801Ft	
Headboard Width:	0.066Ft	
Three-quarter width:	8.698Ft	Closest Pt: 7.305Ft
Half width (SHW):	15.883Ft	Closest Pt: 13.934Ft
Quarter width:	21.326Ft	Closest Pt: 19.389Ft
ORC Area:	546.948Ft?	
IRC Area:	544.761Ft?	
Surface Area:	527.788Ft?	
Hoist height:	36.942Ft	
J:	13.127Ft	

Luff Curve

		Fanned Luff (@ 5.00% [1.239Ft])	Before BSeam
50.853Ft,	0.000Ft	100% (38.653Ft) :	0.000Ft -0.000Ft
38.140Ft,	0.000Ft	89% (34.518Ft) :	-0.230Ft 0.378Ft
25.427Ft,	0.000Ft	79% (30.481Ft) :	-0.409Ft 0.771Ft
12.713Ft,	0.000Ft	69% (26.558Ft) :	-0.487Ft 1.119Ft
0.000Ft,	0.000Ft	59% (22.688Ft) :	-0.504Ft 1.305Ft
		49% (18.852Ft) :	-0.491Ft 1.345Ft
		39% (15.043Ft) :	-0.435Ft 1.252Ft
		29% (11.257Ft) :	-0.333Ft 1.043Ft
		19% (7.490Ft) :	-0.215Ft 0.750Ft
		10% (3.741Ft) :	-0.105Ft 0.390Ft
		0% (0.000Ft) :	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	46.06
Radial/Vertical	584.81
Bi-Radial Split	27.14

Materials

Material	Area (Ft ²)	Panels
Material 1	528.84	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

