

# Asymmetric: 8000821 Paul Pearson 28-1 asy spi.des

## Design Info

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Initial Design Date: 29/8/2024  
Boat:  
Pearson 28-1  
Client:

## Design File:

\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000821 Paul Pea

Comments:

## Design Data

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## Asymmetric

### Measurements

Luff length (SLU):	37.160Ft	
Leech length (SLE):	34.724Ft	
Foot length (SFL):	20.988Ft	
Headboard Width:	0.050Ft	
Three-quarter width:	13.725Ft	Closest Pt: 11.174Ft
Half width (SHW):	21.829Ft	Closest Pt: 20.420Ft
Quarter width:	23.438Ft	Closest Pt: 24.290Ft
ORC Area:	648.770Ft?	
IRC Area:	646.175Ft?	
Surface Area:	682.505Ft?	
Hoist height:	35.160Ft	
J:	11.647Ft	

### Luff Curve

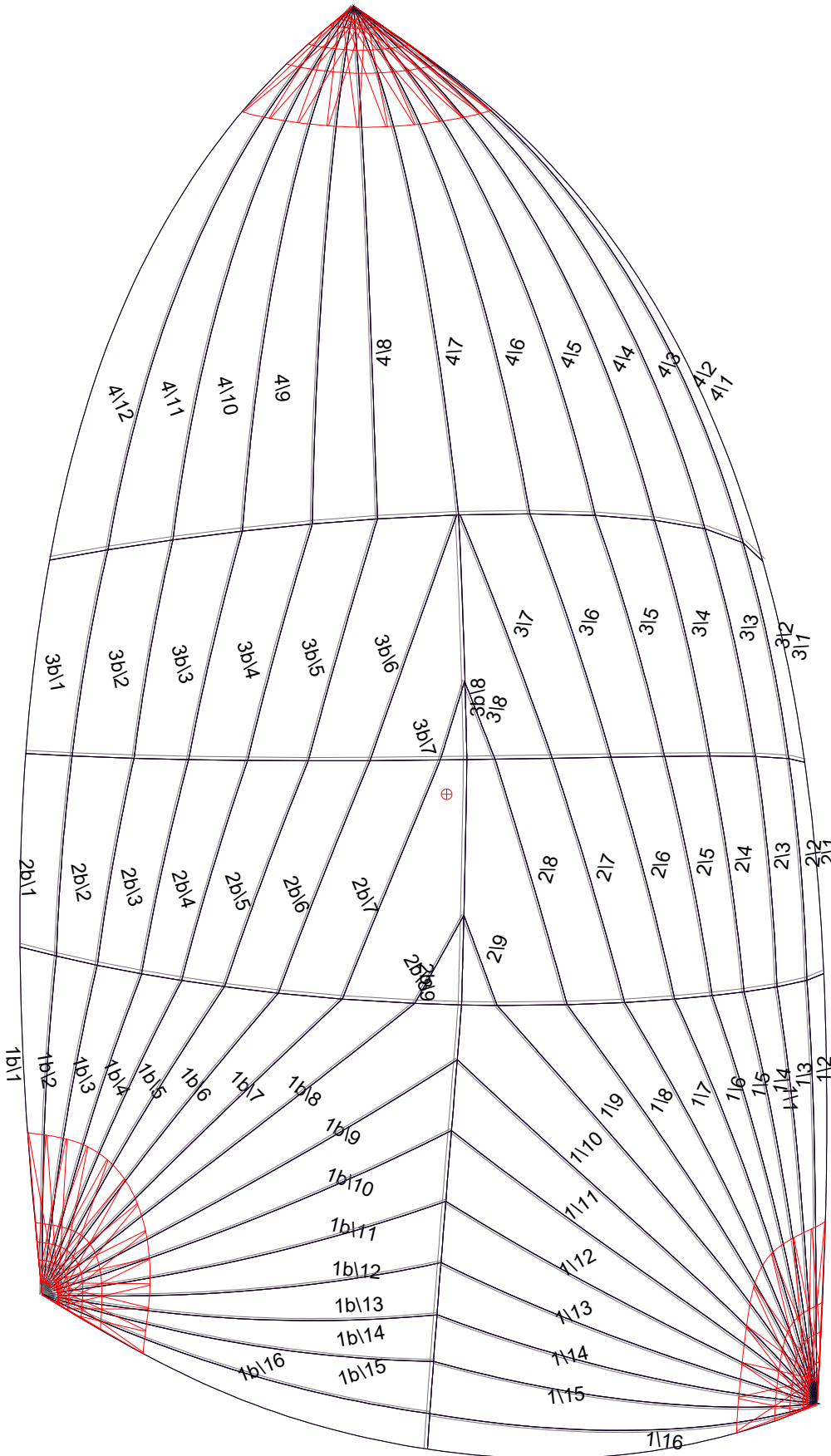
50.853Ft,	0.000Ft
38.140Ft,	0.000Ft
25.427Ft,	0.000Ft
12.713Ft,	0.000Ft
0.000Ft,	0.000Ft

### Fanned Luff (@ 5.00% [0.925Ft])

100% (37.155Ft) :	-0.000Ft	0.000Ft
85% (31.725Ft) :	0.024Ft	-4.321Ft
74% (27.453Ft) :	-0.074Ft	-7.464Ft
64% (23.694Ft) :	-0.177Ft	-3.330Ft
54% (20.164Ft) :	-0.235Ft	-0.950Ft
45% (16.744Ft) :	-0.255Ft	0.142Ft
36% (13.377Ft) :	-0.245Ft	0.753Ft
27% (10.032Ft) :	-0.209Ft	0.971Ft
18% (6.692Ft) :	-0.147Ft	0.869Ft
9% (3.349Ft) :	-0.068Ft	0.518Ft
0% (0.000Ft) :	0.000Ft	-0.000Ft

### Before BSeam

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## Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1/a	0.082Ft	0.049Ft	0.082Ft
Zone: 1/b	0.082Ft	0.049Ft	0.082Ft
Zone: 2/a	0.082Ft	0.049Ft	0.082Ft
Zone: 2/b	0.082Ft	0.049Ft	0.082Ft
Zone: 3/a	0.082Ft	0.049Ft	0.082Ft
Zone: 3/b	0.082Ft	0.049Ft	0.082Ft
Zone: 4	0.082Ft	0.049Ft	0.082Ft

## Edge Excesses

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

## Total Seam Lengths (Ft)

Horizontal	67.69
Radial/Vertical	675.93
Bi-Radial Split	24.13

## Materials

Material	Area (Ft <sup>2</sup> )	Panels
Material 1	682.03	1/1,1/2,1/3,1/4,1/5 1/6,1/7,1/8,1/9,1/10 1/11,1/12,1/13,1/14,1/15 1/16,1b/1,1b/2,1b/3,1b/4 1b/5,1b/6,1b/7,1b/8,1b/9 1b/10,1b/11,1b/12,1b/13,1b/14 1b/15,1b/16,2/1,2/2,2/3 2/4,2/5,2/6,2/7,2/8 2/9,2b/9,2b/8,2b/7,2b/6 2b/5,2b/4,2b/3,2b/2,2b/1 3/1,3/2,3/3,3/4,3/5 3/6,3/7,3/8,3b/8,3b/7 3b/6,3b/5,3b/4,3b/3,3b/2 3b/1,4/1,4/2,4/3,4/4 4/5,4/6,4/7,4/8,4/9 4/10,4/11,4/12