

# Asymmetric: 8001016 Brian Alan Smith Planet Class asy spi.des

## Design Info =====

Initial Design Date: 17/10/2024  
Boat:  
Alan Smith Planet Class  
Client:

Design File:  
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8001016 Brian Alan Smith Planet Class.asy

Comments:

## Design Data =====

### Asymmetric

#### Measurements

Luff length (SLU): 11.130m  
Leech length (SLE): 9.567m  
Foot length (SFL): 7.700m  
Headboard Width: 0.015m  
Three-quarter width: 4.123m  
Half width (SHW): 7.159m  
Quarter width: 8.257m  
ORC Area: 62.675m?  
IRC Area: 62.424m?  
Surface Area: 67.799m?  
Hoist height: 10.400m  
J: 4.400m

Closest Pt: 2.798m  
Closest Pt: 5.852m  
Closest Pt: 8.003m

#### 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% [0.334m])

100% (11.128m) : 0.000m -0.000m  
86% (9.562m) : -0.019m 1.661m  
74% (8.218m) : -0.054m 1.052m  
63% (7.039m) : -0.086m 0.828m  
54% (5.957m) : -0.103m 1.811m  
44% (4.925m) : -0.107m 1.944m  
35% (3.922m) : -0.099m 1.796m  
26% (2.934m) : -0.081m 1.510m  
18% (1.955m) : -0.055m 1.093m  
9% (0.978m) : -0.026m 0.575m  
0% (0.000m) : 0.000m 0.000m

#### Before BSeam

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## Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1/a	0.025m	0.015m	0.025m
Zone: 1/b	0.025m	0.015m	0.025m
Zone: 2/a	0.025m	0.015m	0.025m
Zone: 2/b	0.025m	0.015m	0.025m
Zone: 3/a	0.025m	0.015m	0.025m
Zone: 3/b	0.025m	0.015m	0.025m
Zone: 4	0.025m	0.015m	0.025m

## Edge Excesses

Sail:	Luff	Leech	Foot
	0.000m	0.000m	0.000m

## Total Seam Lengths (m)

Horizontal	22.99
Radial/Vertical	211.78
Bi-Radial Split	7.45

## Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	67.78	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

