

# Asymmetric: 8001016 Brian Alan Smith Planet Class asy spiV1.des

## Design Info =====

Initial Design Date: 23/10/2024  
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):	10.930m	
Leech length (SLE):	9.354m	
Foot length (SFL):	7.700m	
Headboard Width:	0.015m	
Three-quarter width:	4.074m	Closest Pt: 2.707m
Half width (SHW):	7.128m	Closest Pt: 5.731m
Quarter width:	8.253m	Closest Pt: 7.939m
ORC Area:	61.211m?	
IRC Area:	60.966m?	
Surface Area:	66.461m?	
Hoist height:	10.400m	
J:	4.400m	

#### 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% [0.335m])

100% (10.928m) :	0.000m
86% (9.379m) :	-0.022m
74% (8.049m) :	-0.058m
63% (6.887m) :	-0.090m
53% (5.824m) :	-0.107m
44% (4.812m) :	-0.111m
35% (3.830m) :	-0.102m
26% (2.865m) :	-0.083m
17% (1.908m) :	-0.057m
9% (0.954m) :	-0.027m
0% (0.000m) :	0.000m

#### Before BSeam

0.000m
-1.409m
-2.939m
-4.179m
-3.072m
-2.148m
-1.465m
-0.922m
-0.516m
-0.224m
-0.000m

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## Seam Allowances

	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	22.97
Radial/Vertical	209.26
Bi-Radial Split	7.37

## Materials

Material	Area (m <sup>2</sup> )	Panels
red	30.88	1\1,1\2,1\7,1\8,1\9 1\10,1\15,1\16,1b\1,1b\2 1b\7,1b\8,1b\9,1b\10,1b\15 1b\16,2\1,2\2,2\7,2\8 2\9,2b\9,2b\8,2b\7,2b\2 2b\1,3\1,3\2,3\7,3\8 3b\8,3b\7,3b\2,3b\1,4\1 4\2,4\11,4\12
blue	16.96	1\3,1\4,1\13,1\14,1b\3 1b\4,1b\13,1b\14,2\3,2\4 2b\4,2b\3,3\3,3\4,3b\4 3b\3,4\3,4\4,4\9,4\10
yellow	18.58	1\5,1\6,1\11,1\12,1b\5 1b\6,1b\11,1b\12,2\5,2\6 2b\6,2b\5,3\5,3\6,3b\6 3b\5,4\5,4\6,4\7,4\8

