

Asymmetric: 8001110 Bert Neel 43 trimaran Screecher.des

Design Info

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Initial Design Date: 30/11/2024
Boat:
Neel 43 trimaran
Client:

Design File:

\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8001110 Bert Neel

Comments:

Design Data

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Asymmetric

Measurements

Luff length (SLU):	18.050m	
Leech length (SLE):	16.010m	
Foot length (SFL):	10.030m	
Headboard Width:	0.015m	
Three-quarter width:	3.356m	Closest Pt: 2.857m
Half width (SHW):	6.134m	Closest Pt: 5.386m
Quarter width:	8.249m	Closest Pt: 7.389m
ORC Area:	98.115m?	
IRC Area:	97.722m?	
Surface Area:	93.457m?	
Hoist height:	17.400m	
J:	5.900m	

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% [0.484m])

100% (18.036m) :	0.000m	-0.000m
90% (16.232m) :	-0.115m	0.057m
80% (14.428m) :	-0.209m	0.141m
70% (12.625m) :	-0.269m	0.228m
60% (10.821m) :	-0.302m	0.282m
50% (9.018m) :	-0.305m	0.300m
40% (7.215m) :	-0.284m	0.286m
30% (5.411m) :	-0.239m	0.239m
20% (3.608m) :	-0.172m	0.177m
10% (1.804m) :	-0.088m	0.098m
0% (0.000m) :	0.000m	0.000m

Before BSeam

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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	19.58
Radial/Vertical	316.47
Bi-Radial Split	10.39

Materials

Material	Area (m ²)	Panels
Material 1	93.66	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

