

Asymmetric: 8001034-2 Sondre Grinde27 codezeroV1.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8001034 Sondre G

Initial Design Date: 13/11/2024
Boat:
Grinde27 codezero
Client:

Comments:

Design Data
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Asymmetric

Measurements

Luff length (SLU):	11.690m	
Leech length (SLE):	10.572m	
Foot length (SFL):	7.335m	
Headboard Width:	0.015m	
Three-quarter width:	2.439m	Closest Pt: 2.099m
Half width (SHW):	4.498m	Closest Pt: 4.009m
Quarter width:	6.073m	Closest Pt: 5.579m
ORC Area:	46.988m?	
IRC Area:	46.800m?	
Surface Area:	45.542m?	
Hoist height:	11.400m	
J:	4.600m	

Luff Curve		Fanned Luff (@ 5.00% [0.352m])	Before BSeam
15.500m,	0.000m	100% (11.681m) :	0.000m
11.625m,	0.000m	89% (10.452m) :	-0.068m
7.750m,	0.000m	79% (9.241m) :	-0.135m
3.875m,	0.000m	69% (8.053m) :	-0.187m
0.000m,	0.000m	59% (6.880m) :	-0.211m
		49% (5.717m) :	-0.204m
		39% (4.563m) :	-0.186m
		29% (3.416m) :	-0.154m
		19% (2.273m) :	-0.111m
		10% (1.135m) :	-0.057m
		0% (0.000m) :	0.000m

Section Data

Position	Camber	Draft	Twist	Entry	Exit	Roach	Luff Off	Luff Roach	Fwd Camb	Aft Camb
100.00%	0.000%	40.000%	18.000?	0.679?	-0.348?	0.000m	0.000m	0.000m	0.000%	0.000%
87.47%	13.611%	40.375%	15.750?	42.245?	-23.331?	0.206m	0.168m	0.136m	10.990%	10.338%
74.97%	17.607%	40.750%	13.500?	50.899?	-29.539?	0.370m	0.300m	0.220m	14.110%	13.264%
62.47%	19.323%	41.125%	11.250?	54.067?	-30.708?	0.416m	0.367m	0.251m	15.404%	14.432%
49.93%	19.032%	41.500%	9.000?	54.765?	-30.463?	0.397m	0.366m	0.250m	15.181%	14.208%
37.49%	17.947%	41.875%	6.750?	53.117?	-29.455?	0.331m	0.325m	0.219m	14.313%	13.444%
25.00%	16.299%	42.250%	4.500?	50.297?	-28.060?	0.241m	0.248m	0.164m	13.024%	12.319%
12.50%	14.879%	42.625%	2.250?	46.480?	-24.599?	0.135m	0.136m	0.090m	11.873%	11.257%
0.00%	11.851%	43.000%	0.000?	42.038?	-20.369?	0.000m	0.000m	0.000m	9.609%	9.084%

Chord Data

Luff : 11.6478m
Leech : 10.2744m
Foot : 7.0445m
Headboard width : 0.0150m

Fanned Foot Curve Depths

25.0%	50.0%	75.0%
0.0183m	0.0106m	0.0034m

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Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1/a	0.025m	0.014m	0.025m
Zone: 1/b	0.025m	0.014m	0.025m
Zone: 2/a	0.025m	0.014m	0.025m
Zone: 2/b	0.025m	0.014m	0.025m
Zone: 3/a	0.025m	0.014m	0.025m
Zone: 3/b	0.025m	0.014m	0.025m

Edge Excesses

Sail:	Luff	Leech	Foot
Sail:	0.000m	0.000m	0.000m

Total Seam Lengths (m)

Horizontal	9.53
Radial/Vertical	142.25
Bi-Radial Split	11.14

Materials

Material	Area (m ²)	Panels
Material 1	33.45	1b\1,1b\2,1b\3,1b\4,1b\5 1b\6,1b\7,1b\8,1b\9,1b\10 1b\11,1b\12,2\1,2\2,2\3 2\4,2\5,2b\1,2b\2,2b\3 2b\4,2b\5,3\1,3\2,3\3 3\4,3b\1,3b\2,3b\3,3b\4
Material 2	12.18	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1\9,1\10 1\11,1\12

