

# Genoa: 8001205 Stig BavariaMatch35 genoa.des

## Design Info

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## Design File:

\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8001205 Stig Bavaria

Initial Design Date: 11/12/2024

Boat:

Bavaria Match 35

Client:

Comments:

## Design Data

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### Genoa

#### Measurements

Luff geodesic:	13.900m
Leech geodesic:	13.100m
Foot geodesic:	5.550m
Headboard width:	0.035m
Luff perpendicular (HLP):	5.253m
Upper width (HUW):	0.586m
Three-quarter width (HTW):	1.166m
Half width (HHW):	2.452m
Quarter width (HQW):	3.816m
Foot median:	13.426m
ORC Headsail area:	35.153m?
IRC Headsail area:	35.092m?
Surface area:	35.461m?
Forestay height:	14.620m
J:	3.990m

#### Reefing Points

1, Luff: 1.500m ; Leech: 1.600m ; Offset: 0.100m ; Number Eyelets: 4

#### Draft Stripes

1, Luff: 3.486m ; Leech: 3.083m ;  
2, Luff: 6.972m ; Leech: 6.421m ;  
3, Luff: 10.447m ; Leech: 9.732m ;

#### Luff Curve

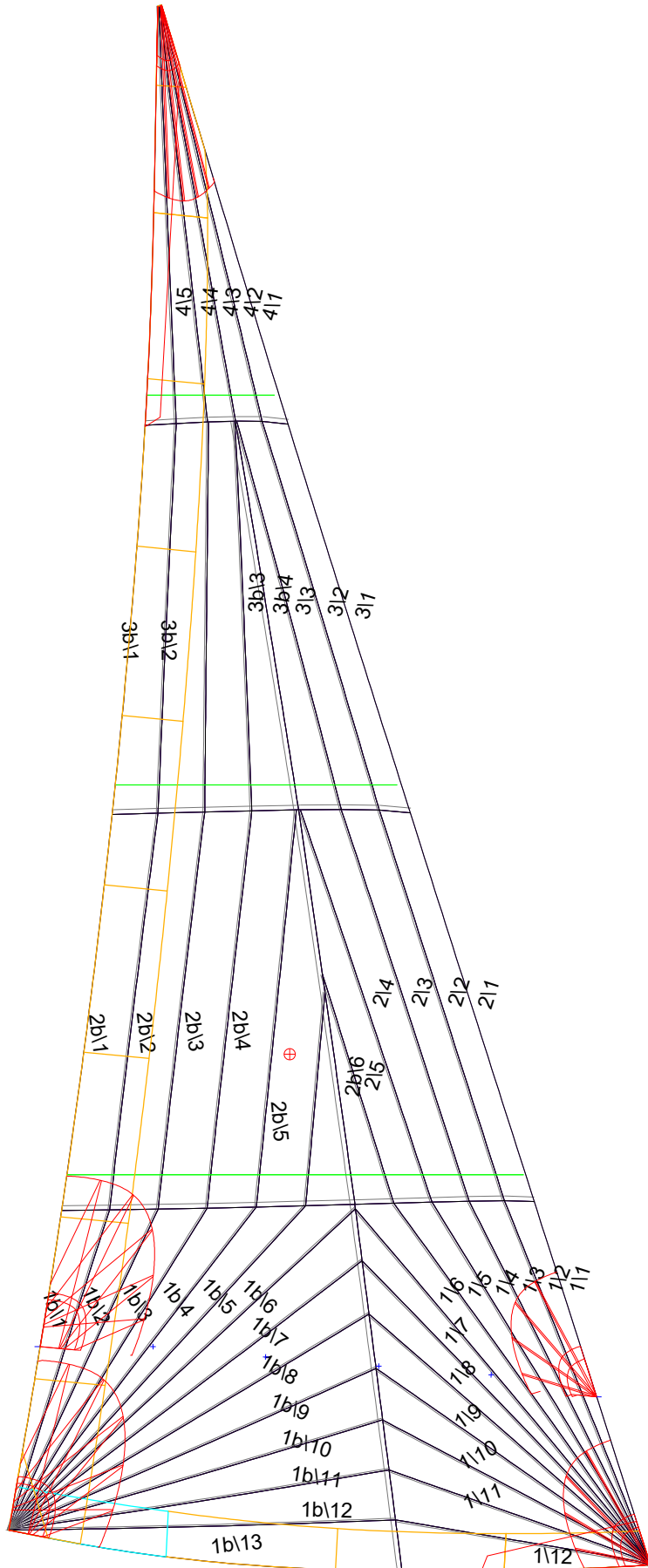
13.899m,	0.000m
12.744m,	0.034m
11.466m,	0.061m
10.342m,	0.075m
9.035m,	0.080m
6.917m,	0.070m
4.517m,	0.048m
2.349m,	0.024m
0.000m,	0.000m

#### Fanned Luff (@ 5.00% [0.273m])

100% (13.899m) :	0.000m	0.000m
90% (12.508m) :	-0.035m	0.006m
80% (11.120m) :	-0.064m	0.015m
70% (9.729m) :	-0.078m	0.031m
60% (8.340m) :	-0.078m	0.048m
50% (6.950m) :	-0.071m	0.060m
40% (5.560m) :	-0.060m	0.063m
30% (4.170m) :	-0.046m	0.058m
20% (2.780m) :	-0.031m	0.046m
10% (1.389m) :	-0.015m	0.026m
0% (0.000m) :	-0.000m	0.000m

#### Before BSeam

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## Seam Allowances

	Split	Radial	Cross
Zone: 1/a	0.040m	0.015m	0.040m
Zone: 1/b	0.040m	0.015m	0.040m
Zone: 2/a	0.040m	0.015m	0.040m
Zone: 2/b	0.040m	0.015m	0.040m
Zone: 3/a	0.040m	0.015m	0.040m
Zone: 3/b	0.040m	0.015m	0.040m
Zone: 4	0.040m	0.015m	0.040m
Cover 1	0.025m	0.025m	0.025m
Cover 2	0.000m	0.000m	0.000m
Cover 3	0.000m	0.000m	0.000m
Cover 4	0.025m	0.025m	0.025m

## Edge Excesses

	Luff	Leech	Foot
Sail:	0.000m	0.000m	0.000m
Cover 0	0.070m	0.070m	0.100m
Cover 1	0.000m	0.070m	0.070m
Cover 2	0.000m	0.070m	0.070m
Cover 3	0.070m	0.100m	0.070m

## Total Seam Lengths (m)

Horizontal	8.23
Radial/Vertical	137.06
Bi-Radial Split	10.26

## Materials

Material	Area (m <sup>2</sup> )	Panels
Material 1	35.53	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1\9,1\10 1\11,1\12,1b\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 2\1,2\2,2\3,2\4,2\5 2b\6,2b\5,2b\4,2b\3,2b\2 2b\1,3\1,3\2,3\3,3b\4 3b\3,3b\2,3b\1,4\1,4\2 4\3,4\4,4\5