

Genoa: 7000402 Pier-2 Bavaria30 GenoaV1.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need Confrim Order\7000402 Pier\7000402

Initial Design Date: 6/5/2023
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic: 10.720m
Leech geodesic: 11.003m
Foot geodesic: 4.850m
Headboard width: 0.030m
Luff perpendicular (HLP): 4.792m
Upper width (HUW): 0.537m
Three-quarter width (HTW): 1.069m
Half width (HHW): 2.227m
Quarter width (HQW): 3.486m
Foot median: 10.767m
ORC Headsail area: 24.731m?
IRC Headsail area: 24.664m?
Surface area: 24.891m?
Forestay height: 10.930m
J: 2.650m

Luff Curve

10.718m, 0.000m
9.827m, 0.036m
8.842m, 0.066m
7.975m, 0.081m
6.967m, 0.087m
5.334m, 0.076m
3.483m, 0.052m
1.812m, 0.026m
0.000m, 0.000m

Fanned Luff (@ 5.00% [0.239m])

100% (10.718m) : 0.000m
90% (9.645m) : -0.038m
80% (8.576m) : -0.066m
70% (7.503m) : -0.081m
60% (6.431m) : -0.084m
50% (5.359m) : -0.077m
40% (4.288m) : -0.064m
30% (3.215m) : -0.050m
20% (2.144m) : -0.034m
10% (1.071m) : -0.017m
0% (0.000m) : -0.000m

Before BSeam

0.000m
-0.000m
0.004m
0.011m
0.018m
0.025m
0.030m
0.031m
0.026m
0.015m
0.000m

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Seam Allowances

| Zone: | Split | Radial | Cross |
|---------|--------|--------|--------|
| Zone: 1 | 0.025m | 0.025m | 0.025m |
| Cover 1 | 0.025m | 0.025m | 0.025m |
| Cover 2 | 0.025m | 0.025m | 0.025m |
| Cover 3 | 0.000m | 0.000m | 0.000m |
| Cover 4 | 0.000m | 0.000m | 0.000m |

Edge Excesses

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

Total Seam Lengths (m)

| | |
|-----------------|-------|
| Horizontal | 22.65 |
| Radial/Vertical | 0.00 |
| Bi-Radial Split | 0.00 |

Materials

| Material | Area (m ²) | Panels |
|------------|------------------------|-------------------------|
| Material 1 | 24.94 | 1,2,3,4,5 6,7,8,9,10 |

