

Genoa: 8001026 Lee headsail.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8001026 Lee head

Initial Design Date: 27/12/2018
Boat:

Client:

Comments:
tack height off deck 18inch

clew height off deck 9.78inch to 12.78inch(in design)

Design Data
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Genoa

Measurements

Luff geodesic: 48.340Ft
Leech geodesic: 46.280Ft
Foot geodesic: 21.417Ft
Headboard width: 0.098Ft
Luff perpendicular (HLP): 20.374Ft
Upper width (HUW): 2.246Ft
Three-quarter width (HTW): 4.496Ft
Half width (HHW): 9.498Ft
Quarter width (HQW): 14.841Ft
Foot median: 46.518Ft
ORC Headsail area: 473.997Ft?
IRC Headsail area: 472.717Ft?
Surface area: 473.704Ft?
Forestay height: 50.853Ft
J: 14.829Ft

Draft Stripes

1, Luff: 16.004Ft ; Leech: 14.718Ft ;
2, Luff: 31.955Ft ; Leech: 30.253Ft ;

Luff Curve

48.338Ft, 0.000Ft
36.253Ft, 0.147Ft
24.169Ft, 0.196Ft
12.084Ft, 0.147Ft
0.000Ft, 0.000Ft

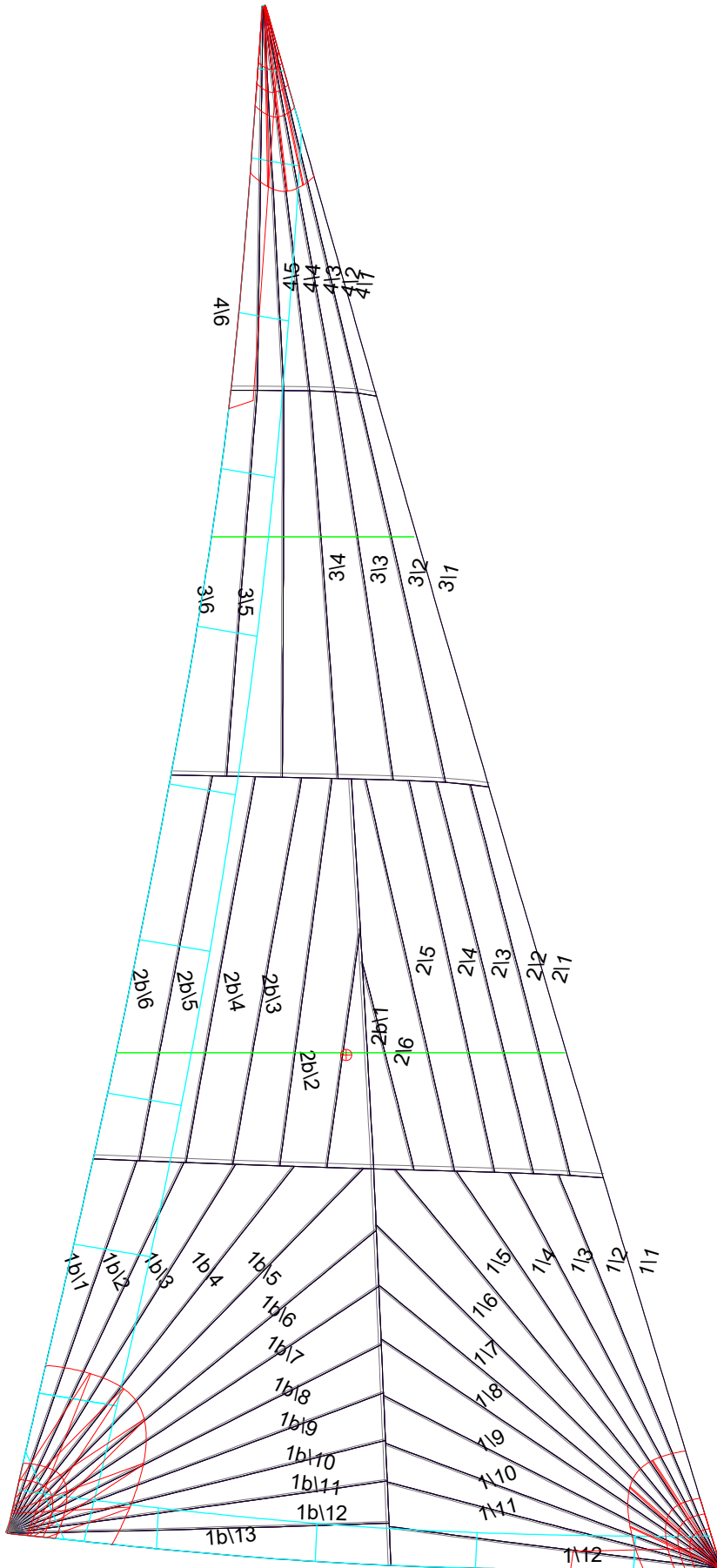
Fanned Luff (@ 5.00% [1.060Ft])

100% (48.337Ft) : -0.000Ft
90% (43.502Ft) : -0.064Ft
80% (38.671Ft) : -0.122Ft
70% (33.836Ft) : -0.170Ft
60% (29.003Ft) : -0.200Ft
50% (24.169Ft) : -0.214Ft
40% (19.335Ft) : -0.213Ft
30% (14.500Ft) : -0.192Ft
20% (9.669Ft) : -0.147Ft
10% (4.829Ft) : -0.080Ft
0% (0.000Ft) : 0.000Ft

Before BSeam

-0.000Ft
0.041Ft
0.088Ft
0.127Ft
0.144Ft
0.144Ft
0.131Ft
0.108Ft
0.080Ft
0.043Ft
0.000Ft

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Seam Allowances

| | Split | Radial | Cross |
|-----------|---------|---------|---------|
| Zone: 1/a | 0.082Ft | 0.049Ft | 0.125Ft |
| Zone: 1/b | 0.082Ft | 0.049Ft | 0.125Ft |
| Zone: 2/a | 0.082Ft | 0.049Ft | 0.125Ft |
| Zone: 2/b | 0.082Ft | 0.049Ft | 0.125Ft |
| Zone: 3 | 0.082Ft | 0.049Ft | 0.125Ft |
| Zone: 4 | 0.082Ft | 0.049Ft | 0.125Ft |
| Cover 1 | 0.082Ft | 0.082Ft | 0.082Ft |
| Cover 2 | 0.082Ft | 0.082Ft | 0.082Ft |
| Cover 3 | 0.000Ft | 0.000Ft | 0.000Ft |
| Cover 4 | 0.000Ft | 0.000Ft | 0.000Ft |

Edge Excesses

| | Luff | Leech | Foot |
|---------|---------|---------|---------|
| Sail: | 0.000Ft | 0.000Ft | 0.000Ft |
| Cover 0 | 0.230Ft | 0.230Ft | 0.230Ft |
| Cover 1 | 0.230Ft | 0.230Ft | 0.230Ft |
| Cover 2 | 0.000Ft | 0.000Ft | 0.000Ft |
| Cover 3 | 0.000Ft | 0.000Ft | 0.000Ft |

Total Seam Lengths (Ft)

| | |
|-----------------|--------|
| Horizontal | 30.26 |
| Radial/Vertical | 519.23 |
| Bi-Radial Split | 24.34 |

Materials

| Material | Area (Ft ²) | Panels |
|------------|-------------------------|--|
| Material 2 | 474.19 | 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 2\6,2b\1,2b\2,2b\3,2b\4 2b\5,2b\6,3\1,3\2,3\3 3\4,3\5,3\6,4\1,4\2 4\3,4\4,4\5,4\6 |