

Genoa: 7000609 Leonard Norsesea 27 Headsail.des Fareast/Michael

Design Info
=====

Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need Confrim Order\7000609 Leonard\700

Initial Design Date: 20/6/2023
Boat:
Norsea 27
Client:
Fareast/Michael

Comments:

Design Data
=====

Genoa

Measurements

Luff geodesic:	9.716m
Leech geodesic:	9.005m
Foot geodesic:	4.261m
Headboard width:	0.030m
Luff perpendicular (HLP):	3.962m
Upper width (HUW):	0.446m
Three-quarter width (HTW):	0.882m
Half width (HHW):	1.832m
Quarter width (HQW):	2.871m
Foot median:	9.253m
ORC Headsail area:	18.490m?
IRC Headsail area:	18.446m?
Surface area:	18.636m?
Forestay height:	9.601m
J:	3.048m

Draft Stripes

1, Luff: 3.221m ; Leech: 2.691m ;
2, Luff: 6.436m ; Leech: 5.791m ;

Luff Curve

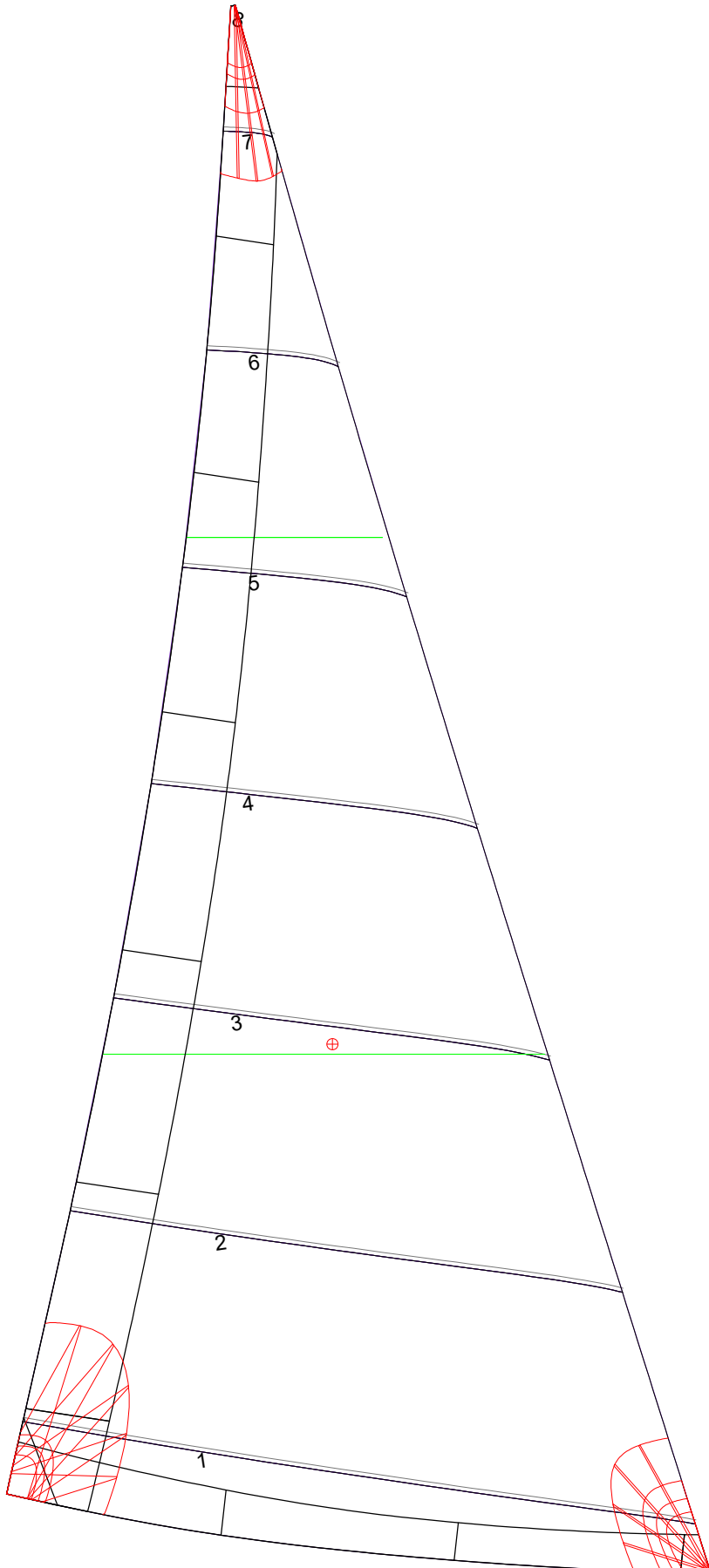
9.714m,	0.000m
8.907m,	0.034m
8.014m,	0.061m
7.228m,	0.075m
6.315m,	0.080m
4.834m,	0.071m
3.157m,	0.048m
1.642m,	0.024m
0.000m,	0.000m

Fanned Luff (@ 5.00% [0.209m])

100% (9.715m) :	-0.000m	0.000m
90% (8.743m) :	-0.038m	-0.001m
80% (7.773m) :	-0.065m	0.002m
70% (6.801m) :	-0.079m	0.008m
60% (5.829m) :	-0.081m	0.016m
50% (4.858m) :	-0.074m	0.023m
40% (3.886m) :	-0.062m	0.028m
30% (2.914m) :	-0.047m	0.029m
20% (1.943m) :	-0.032m	0.025m
10% (0.971m) :	-0.016m	0.015m
0% (0.000m) :	0.000m	0.000m

Before BSeam

Genoa: 7000609 Leonard Norsesea 27 Headsail.des Fareast/Michael



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	15.00
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	18.68	1,2,3,4,5 6,7,8