

Genoa: 7000721 Bradley Headsail.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2023 Order\Need Confrim Order\7000721 Bradley\700

Initial Design Date: 22/8/2023
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

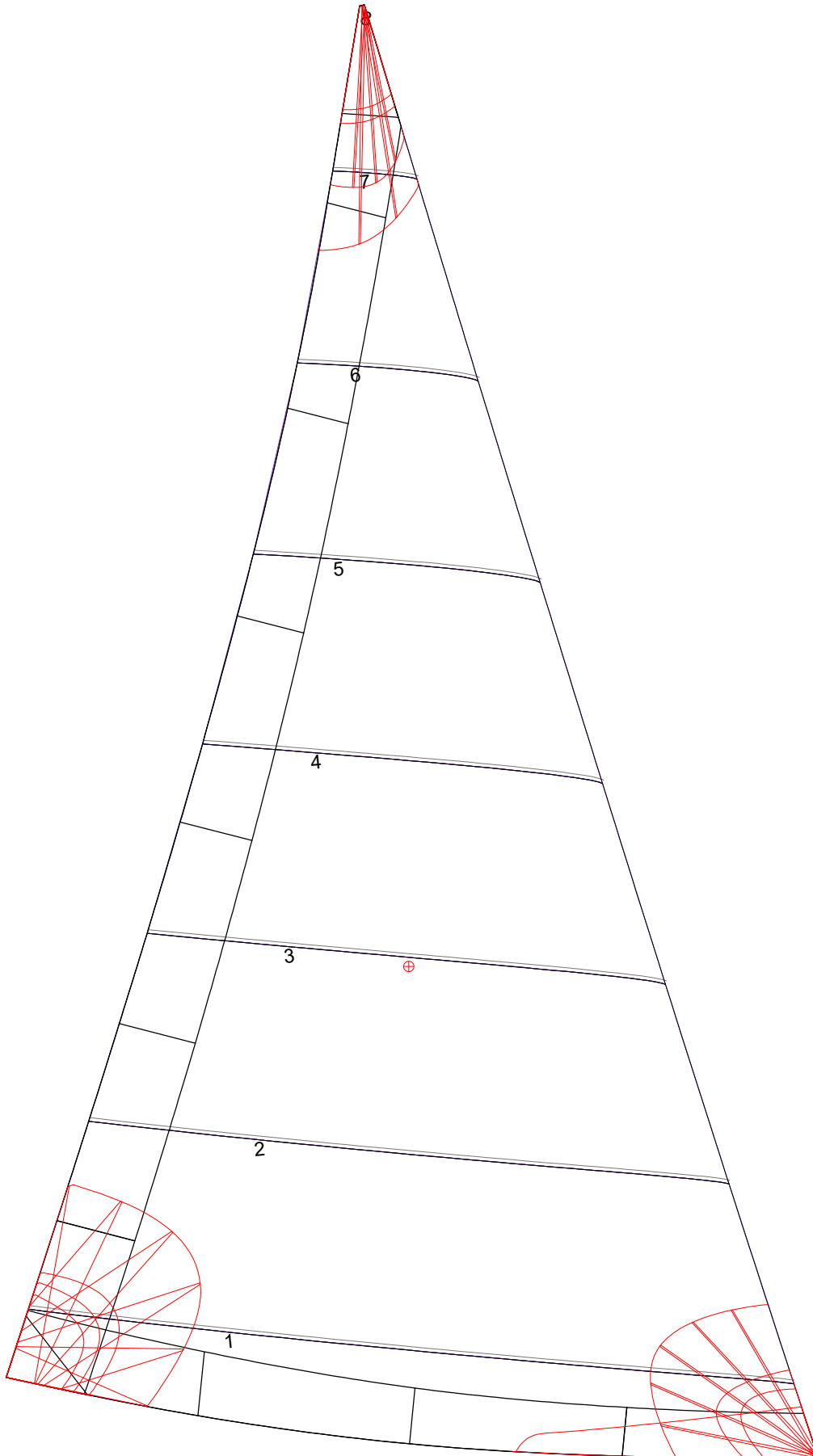
Luff geodesic: 10.260m
Leech geodesic: 9.650m
Foot geodesic: 5.550m
Headboard width: 0.035m
Luff perpendicular (HLP): 5.160m
Upper width (HUW): 0.596m
Three-quarter width (HTW): 1.183m
Half width (HHW): 2.461m
Quarter width (HQW): 3.803m
Foot median: 9.766m
ORC Headsail area: 25.823m?
IRC Headsail area: 25.745m?
Surface area: 26.174m?
Forestay height: 10.890m
J: 3.400m

Luff Curve

10.259m, 0.000m
7.694m, 0.044m
5.130m, 0.058m
2.565m, 0.044m
0.000m, 0.000m

Fanned Luff (@ 5.00% [0.274m])		Before BSeam
100% (10.259m) :	-0.000m	0.000m
90% (9.233m) :	-0.018m	0.009m
80% (8.208m) :	-0.035m	0.019m
70% (7.181m) :	-0.047m	0.030m
60% (6.156m) :	-0.056m	0.037m
50% (5.130m) :	-0.059m	0.039m
40% (4.104m) :	-0.058m	0.036m
30% (3.077m) :	-0.052m	0.030m
20% (2.052m) :	-0.040m	0.021m
10% (1.025m) :	-0.022m	0.009m
0% (0.000m) :	0.000m	0.000m

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Seam Allowances

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

Edge Excesses

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

Total Seam Lengths (m)

Horizontal	20.16
Radial/Vertical	0.00
Bi-Radial Split	0.00

Materials

Material	Area (m ²)	Panels
Material 1	26.25	1,2,3,4,5 6,7,8