

Genoa: 8000809 Ken Headsail.des

Design Info
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Design File:
\\NAS\Engineering files\Queenie-Customer Order\Fareast Sails\2024 Orders\Need to be Confirmed\8000809 Ken head

Initial Design Date: 17/8/2024
Boat:

Comments:

Client:

Design Data
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Genoa

Measurements

Luff geodesic:	31.340Ft
Leech geodesic:	30.123Ft
Foot geodesic:	13.409Ft
Headboard width:	0.148Ft
Luff perpendicular (HLP):	12.845Ft
Upper width (HUW):	1.414Ft
Three-quarter width (HTW):	2.808Ft
Half width (HHW):	5.959Ft
Quarter width (HQW):	9.353Ft
Foot median:	30.298Ft
ORC Headsail area:	193.518Ft?
IRC Headsail area:	192.710Ft?
Surface area:	193.861Ft?
Forestay height:	30.512Ft
J:	9.514Ft

Draft Stripes

1, Luff: 10.389Ft ; Leech: 9.883Ft ;
2, Luff: 20.761Ft ; Leech: 19.804Ft ;

Luff Curve

		Fanned Luff (@ 5.00% [0.661Ft])	Before BSeam
31.334Ft,	0.000Ft	100% (31.334Ft) :	0.000Ft
28.730Ft,	0.106Ft	90% (28.197Ft) :	-0.127Ft
25.851Ft,	0.192Ft	80% (25.073Ft) :	-0.210Ft
23.316Ft,	0.236Ft	70% (21.935Ft) :	-0.246Ft
20.368Ft,	0.253Ft	60% (18.803Ft) :	-0.247Ft
15.593Ft,	0.222Ft	50% (15.668Ft) :	-0.223Ft
10.184Ft,	0.151Ft	40% (12.535Ft) :	-0.185Ft
5.296Ft,	0.075Ft	30% (9.400Ft) :	-0.141Ft
0.000Ft,	0.000Ft	20% (6.268Ft) :	-0.096Ft
		10% (3.131Ft) :	-0.050Ft
		0% (0.000Ft) :	0.000Ft

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Seam Allowances

Zone:	Split	Radial	Cross
Zone: 1/a	0.082Ft	0.049Ft	0.082Ft
Zone: 1/b	0.082Ft	0.049Ft	0.082Ft
Zone: 2/a	0.082Ft	0.049Ft	0.082Ft
Zone: 2/b	0.082Ft	0.049Ft	0.082Ft
Zone: 3	0.082Ft	0.049Ft	0.082Ft

Edge Excesses

Sail:	Luff	Leech	Foot
Sail:	0.000Ft	0.000Ft	0.000Ft

Total Seam Lengths (Ft)

Horizontal	12.68
Radial/Vertical	244.14
Bi-Radial Split	21.08

Materials

Material	Area (Ft ²)	Panels
Material 2	194.03	1\1,1\2,1\3,1\4,1\5 1\6,1\7,1\8,1\9,1b\1 1b\2,1b\3,1b\4,1b\5,1b\6 1b\7,1b\8,1b\9,1b\10,2\1 2\2,2\3,2b\1,2b\2,2b\3 2b\4,3\1,3\2,3\3,3\4 3\5

