

DIMENSIONS IN INCHES
SCALE 1:6



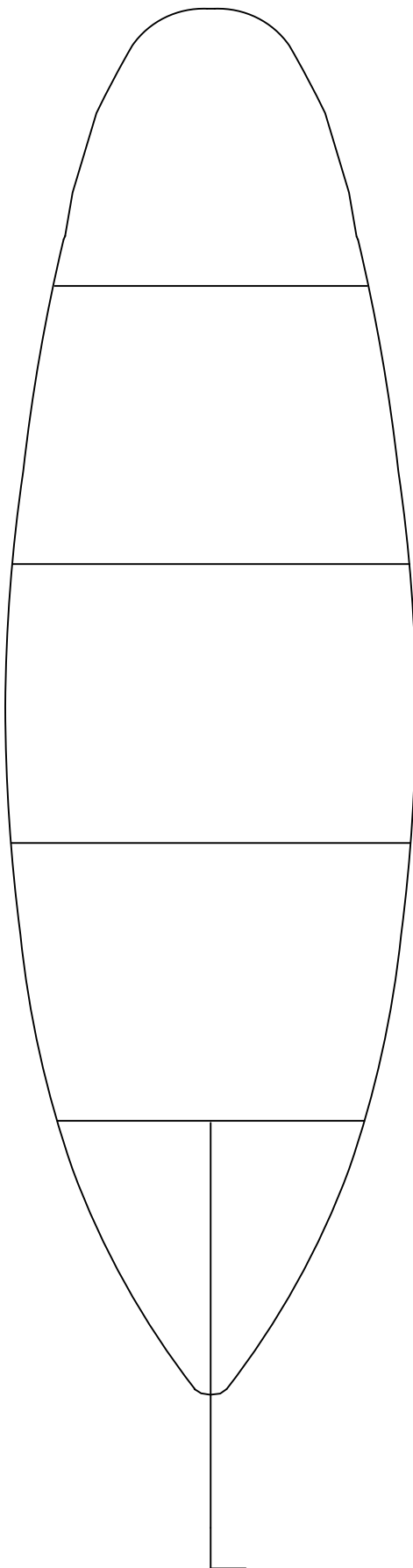
Quetzalcoatl is Born

AMA CAT IV Record

32:09

Lakehurst, NJ 3 September 2017

Brett Sanborn



PROP SCALE 1:1

Motorstick

Stick	.099 g	6 mm ID	.013 4 # C + (3) .003 Boron at 3, 6, 9, o'clock
Bracing wire			.001 Tungsten
Bearing			Harlan
Rear hook			.012 music wire
Webs			.019 5# C
Wing posts	.043 g (2)		.040 x .070 x 3.75 + (2) .003 Boron 6-7#
Stub 1	.053 g		.013 4 # C + (3) .003 boron
Stub 2	.017 g		.013 4 # C + (3) .003 boron

Boom

Boom	.123 g		.009 4# C + (3) .003 Boron
Rudder	.020 g		.025 5 # A
Posts			.049 sq 5# A

Wing

Spars	.040 g (1, no B)	.056 x .052 -> .032 x .052	
	.058 g (w/ B)	4.3# 126 SC + (2) boron	
Tips	.046 g (1)	.015 sq -> .010 sq, M60 Carbon	
Int. ribs	.017 g (1)	.039 x .027 4.2 # 114 SC + (2) boron	
End ribs	.040 g (2)	.039 x .032 4.2 # 114 SC + (2) boron	
Covering			Y2K-04

Stab

Spars	.020 g (1)	.033 x .030 4.1# 127 SC + (2) boron	
Tips	.039 g (2)	.015 sq -> .010 sq, M60 Carbon	
Ribs		.039 x .024 4.2 # 117 SC + (2) boron	
Covering			OS Film

Prop

Outline	.061 g (1)	0.015 sq -> 0.007sq M60J Carbon	
Root Rib		.024 x .040 + (2) boron	
Other Ribs		.013 x .040 + (2) boron	
Spar	.033 g (2)	.080 sq -> .030 sq 8# A	
Covered	.197 g (2)		Y2K2
VP hub	.100 g		Hunt style with Treger material modifications
Diameter			18.5

Motor

0.4 g May 99	29.7 mg/in 1380 turns
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Weights

Stick	0.336 g
Boom	0.157 g
Wing	0.406 g
Stab	0.207 g
Prop	0.298 g
Total	1.404 g

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