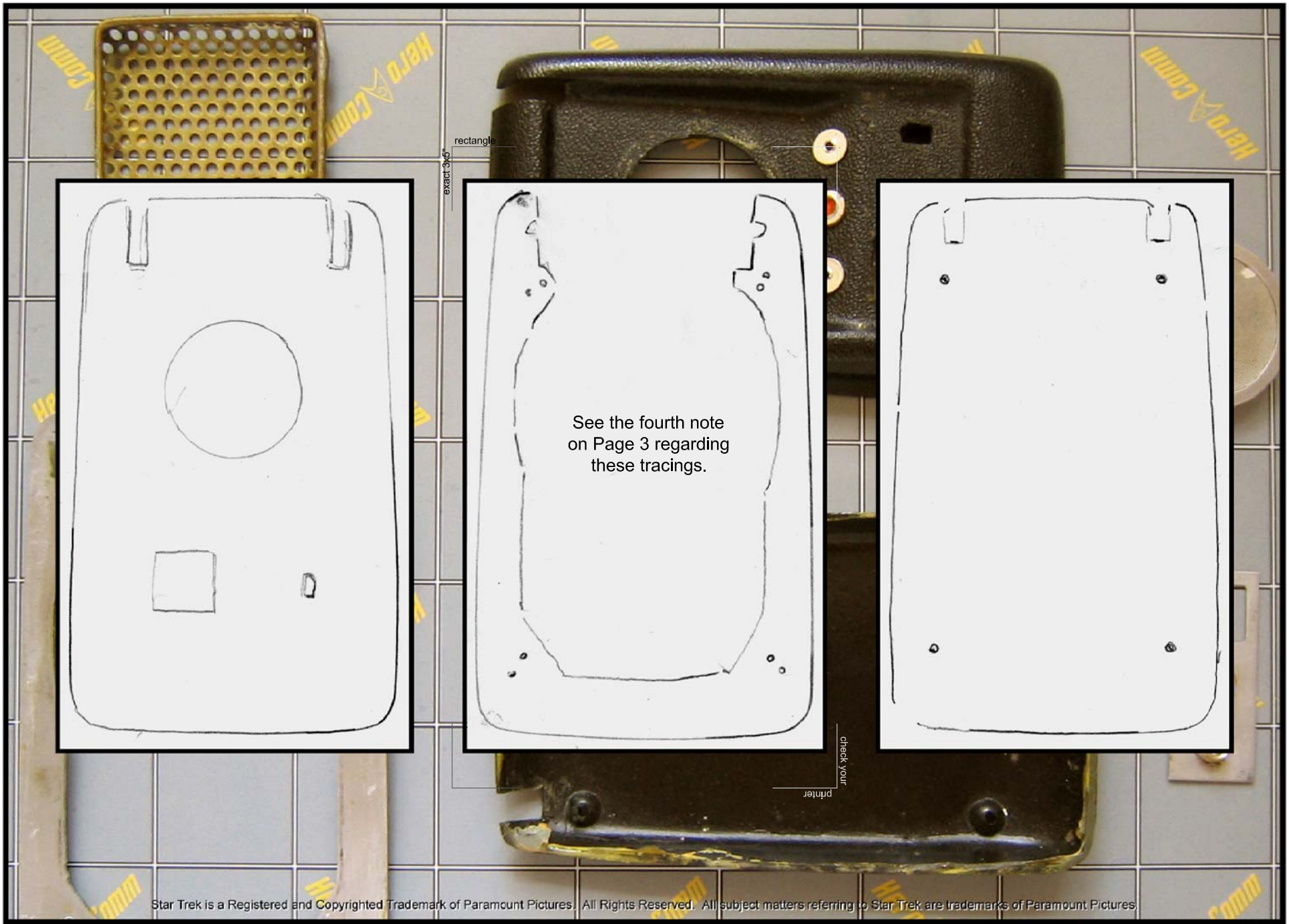


Authentic Communicator Blueprint Series - Zeta Parts

Zeta's parts are in black.

Alpha's parts are shown in red for comparison.

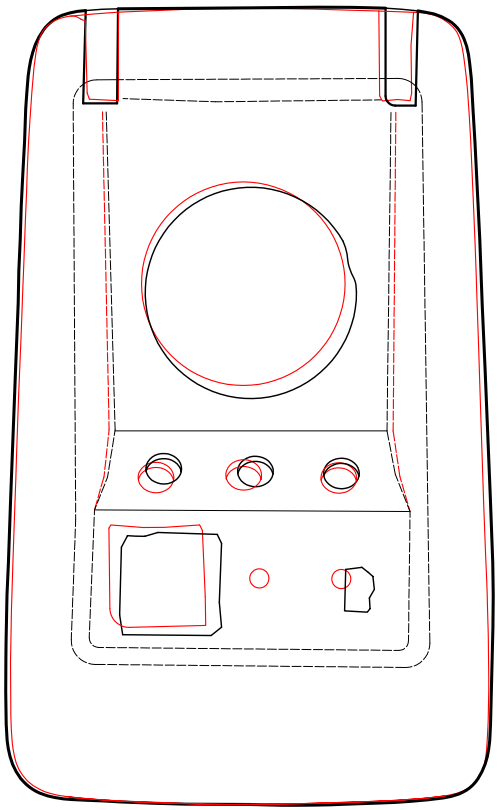
Zeta's Maximum Dimensions (inches):

	L	L_{Alpha}	W	W_{Alpha}	H	H_{Alpha}
Top Shell	4.16	*4.15*	2.54	*2.49*	0.45	*0.48*
Bottom Shell	4.15	*4.15*	2.52	*2.50*	0.49	*0.40*
Midplate	4.22	*4.22*	2.62	*2.59*	0.06	*0.05*
Overall Height	-	*-*	-	*-*	1.00	*0.93*

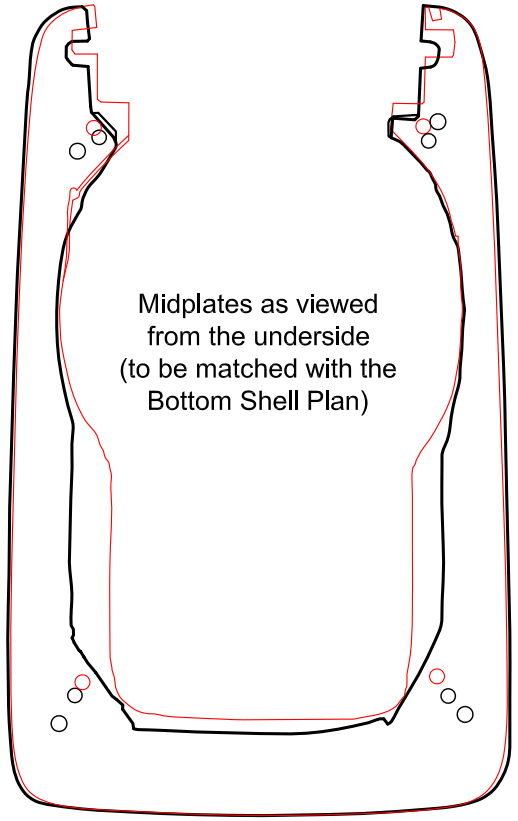
check your printer

	L	W	H
Antenna	2.91	1.67	0.19
Control Panel	0.62	1.51	0.017
Velcro	unavailable		
Total Weight	39 grams / 1.4 oz.		

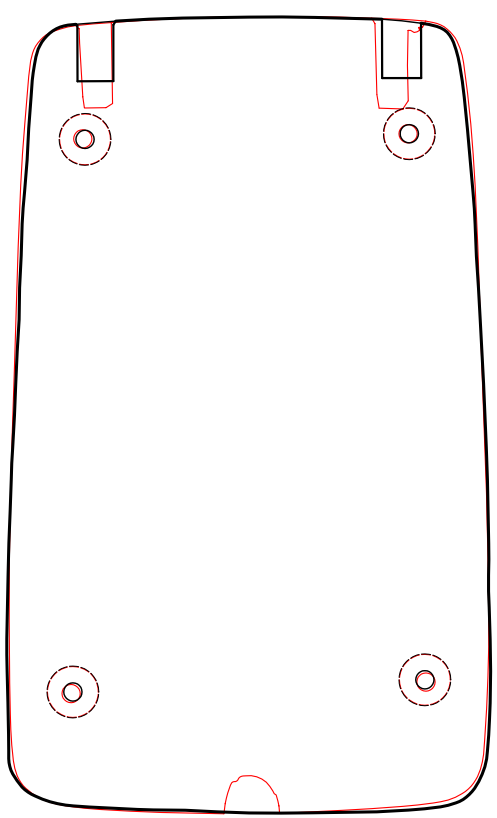
- Antenna width varies from 1.65 (at hinge) to 1.69.
- Weight does not include Velcro, mic grill & screws.



Top Shell Plan



Midplate Plan



Bottom Shell Plan

rectangle 9x7"

Notes:

These drawings show the props exactly "as-is," minus glues and minor gaps.

Plans for Zeta's parts are derived from tracings, photographs and measurements generously provided by the prop's owner. Where sent dimensions did not match photographs, the information here favors the photo data.

Insufficient data exists for complete Zeta blueprints. Only parts rather than the entire assembled prop are drawn. These plans will be revised as new info allows.

All the tracings on Page 1 are raw and unretouched. Photo evidence indicates the midplate rotated half-way through its tracing by a fraction of a one degree. This caused the left and right "forks" to be sketched about .02" too close to each other. The plans on Page 2 have been drawn to the corrected contour.

Accuracy of Zeta's outside lines in the XY plane (parallel to the midplate) is figured to be ±0.01" and in the Z plane (height) ±0.02 inches. Alpha's lines in red, added for comparison, are a second-generation improvement over the July '07 blueprints and their margin of error should be about half that.

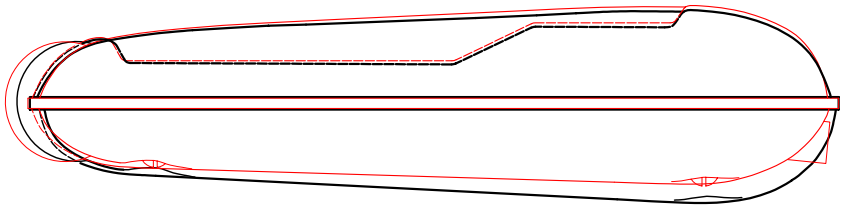
The control well's "edges" on Page 2 are positioned where a significant angle change first becomes evident, and are thus intended to be approximate only.

Zeta's top shell show clear signs of being a "soft" pull, meaning the Kydex plastic was not properly heated to be tightly vacuformed to the vertical surfaces of the wooden forming buck. Similarly, Alpha's bottom shell has some slight "spreading" deformations, though most likely due to early decades of poor storage conditions.

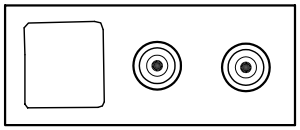
With tapered sides, the shell will becomes smaller in length and width when it is also trimmed to be thinner (less in height). This in combination with the previous note accounts entirely for the differences in shell shapes at the midplate.

Insufficient aluminum was left in Zeta's midplate near the hinge wheels for optimal hole locations of the bottom shell's two back screws. It is likely that the bottom shell when attached would be forward of center, as shown on the Left Elevation.

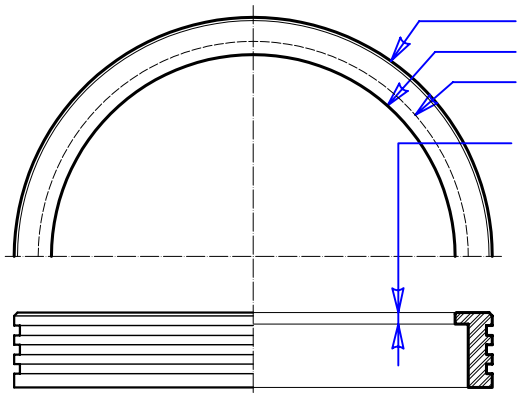
For material call-outs, construction details and additional photographs, reference www.HeroComm.com.



Left Elevation



Control Panel



Moire Bezel Ring - Details
(2X full scale)