



Manhattan Magical Carousel

NYU Langone Medical Center, 7th Floor
Hassenfeld Children's Hospital Shadow Boxes
Proposal

Concept Illustration

Interactive art installation is triggered by motion.
Urban animals are enjoying a night out in Midtown.
A dainty dog lady riding in a purse is out for adventures.
A cat in his finest garments is taking a stroll. A fancy
pigeon peering down at the beautiful night view. A lizard
trying on a high heel. A squirrel selling delicious roasted
nuts, and a mouse delivering pizzas.

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Music Composer: Nick Tardif



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3D Model Animated Mock-up Video

This simplified mock-up shows some of the key moving parts when the piece is activated. The carousel rotates revealing the different characters as they slide up and down on poles upon the carousel. LED lights on the buildings and signs blink and change colors illuminating the street.

Motion video link: <http://huiytsai.com/proposal/v1>

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Character Details

Left: Anthony Mouse delivers hot pizza pies from his pizza wheel unicycle. Top right: Marcella Pigeon flutters past adorning her most fabulous pearls. Bottom right: Doris Squirrel offers her delicious roasted nuts for sale.

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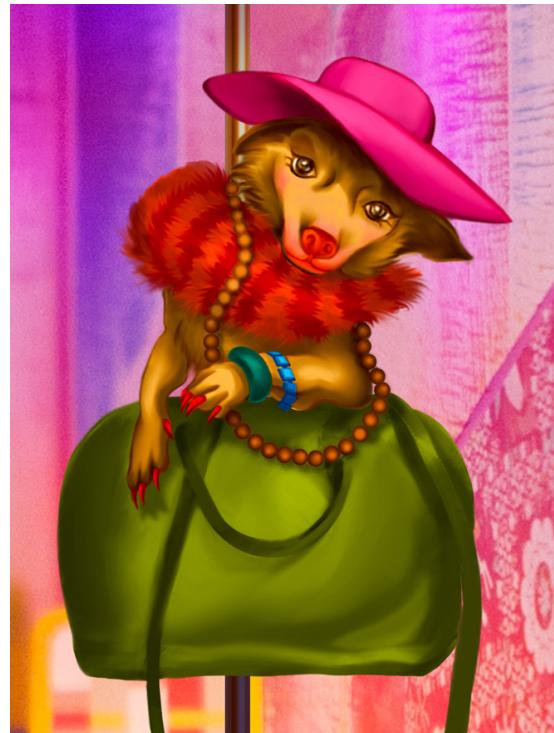
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Character Details

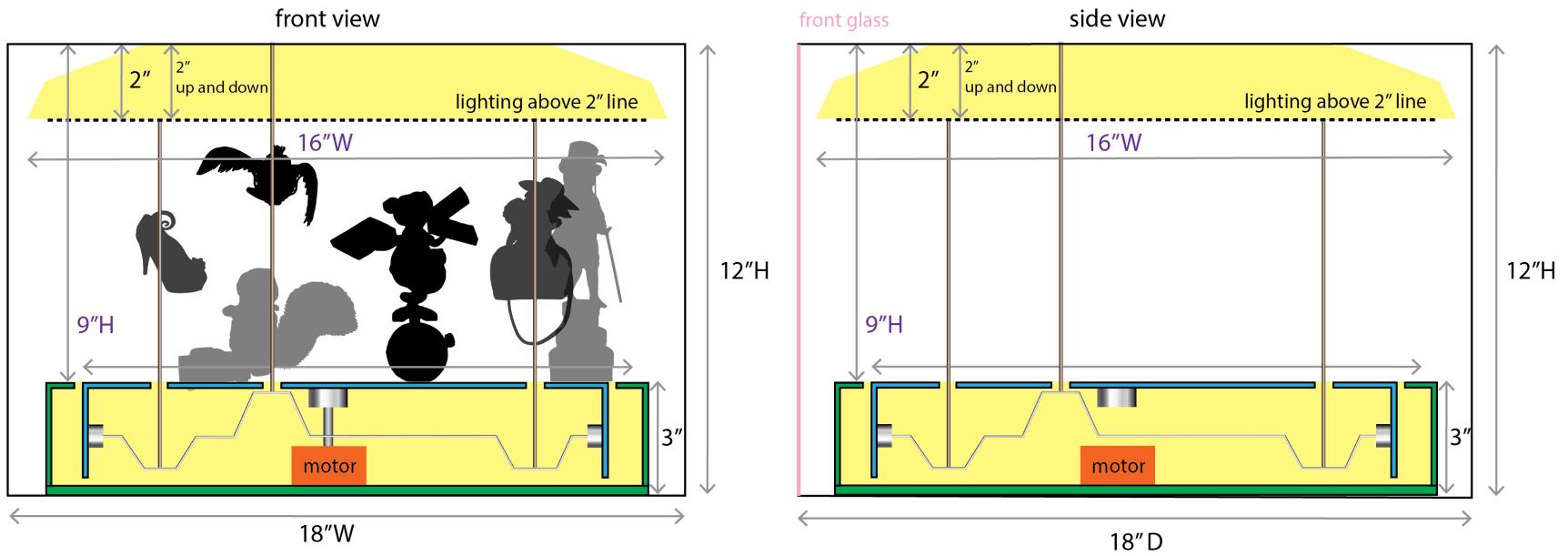
Left: Lacina Lizard trying on shoes. This one might be a few sizes too big, but the color is just right! Center: Kiki Dog pops out of a large purse, enjoying views of the surrounding window displays. Right: Roberto Cat struts down 5th Ave in his finest clothes heading to a broadway play.



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- center stage platform
- outer stage platform
- roof ring and stage platform art

Actual dimensions for art is 12"Hx17"Wx17"D

The usable area for animals is 9"Hx16"Wx16"D

Roof ring structure will be used to cover the lighting, and the base platform which will cover all mechanical parts, motion sensor, and cables.

This is technical concept sketch only.

The display is idle and coming to life in the viewers' presence.

Passive Infrared Motion Sensor triggers the music, lighting effect, and animation looping, and only stop when a complete round is finished.

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Technical Specifications

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	Description	Cost
Design	Artist Fee	\$2,000.00
Materials	Servo Motors Motion Sensor Rotary wheels and belts LED, Halogen Spots lighting Wiring Transformer (120v to 12v) / Power Supply Microcontroller (timer) Hardware Wood, Clay, Paint, Fabric	\$1,540.00
Fabrication	Hand modeling characters. Constructing inner box, wiring, and mechanics. Painting characters and environment.	\$8,400.00
Shipping	Hand delivered.	\$60.00
Total		\$12,000.00

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Budget

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Playground of Happiness

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Concept Illustrations

Interactive art installation is triggered by motion. Central Park Zoo animals enjoying the four seasons of the park. Penguin is having a good time riding sled with the snowman. A grizzly bear strumming his guitar under the sunshine. Sea lions playing ball tricks. A ruffed lemur hangs from the trees reading his favorite book.

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3D Model Animated Mock-up Video

This simplified mock-up shows some of the key moving parts when the piece is activated. Bear and purple seal whimsically spin on smaller platforms as the larger platform also spins while overhead lights adjust colors each quarter turn referencing the cycles of the four seasons.

Motion video link: <http://huiytsai.com/proposal/v2>

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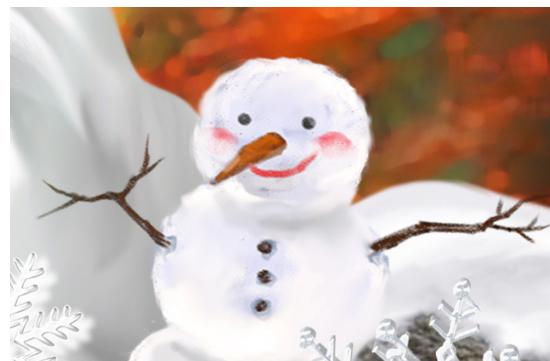
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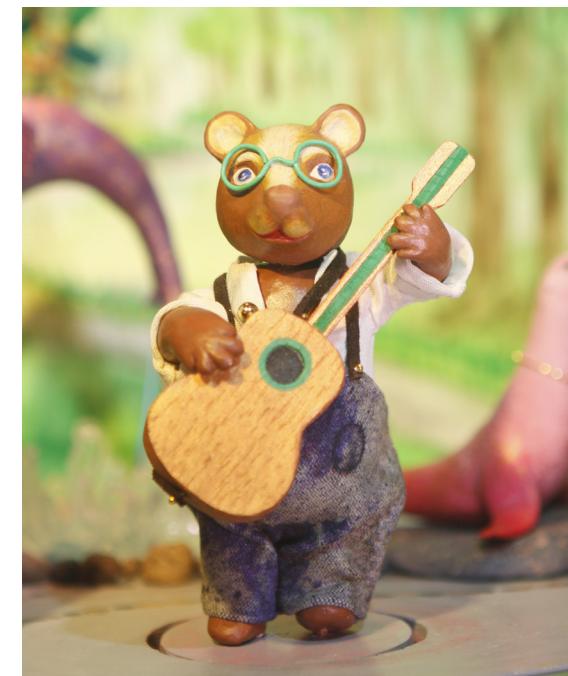
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Character Details

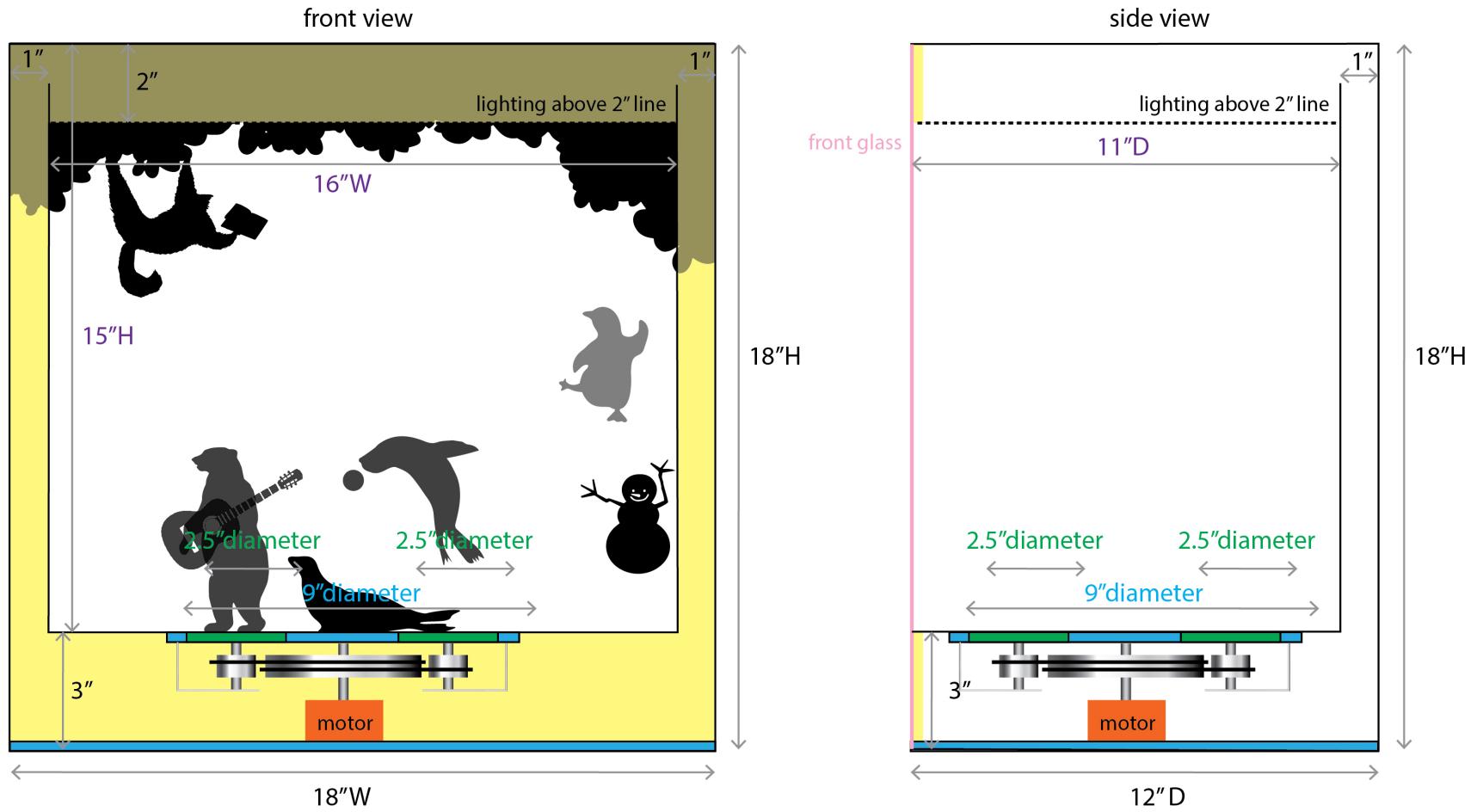
Left: Ted (purple) Sea Lion leaps out of the water playing with a ball, as Becky (pink) Sea Lion suns herself on a rock. Top center: Q Penguin joyously sleds down the snowy hills. Bottom center: the new friend Gary Snowman grins. Top right: Hansel Hanging Lemur reads his favorite book. Bottom right: Kuruk the Bear playing cheerful music.



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- center stage cut out
- animal stage cut out
- area indication

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The walls are set in to provide space for cables, motion sensor, and motors. A central motor system rotates the primary stage (blue) and uses belts and gears to rotate secondary platforms (green). The Central stage rotates at a 1:4 ratio to the secondary platform speed. Single rotation of primary stage is about 16 seconds. Art will be used to cover the lighting, base platform, and wall borders to create a seamless scene. Actual dimensions for art is 15"Hx16"Wx11"D.

The display is idle and coming to life in the viewers' presence. Passive Infrared Motion Sensor triggers the music, lighting effect, and animation looping, and only stop when a complete round is finished.

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