

**“Revolutionary Labyrinth”  
Firefly Arts Collective**

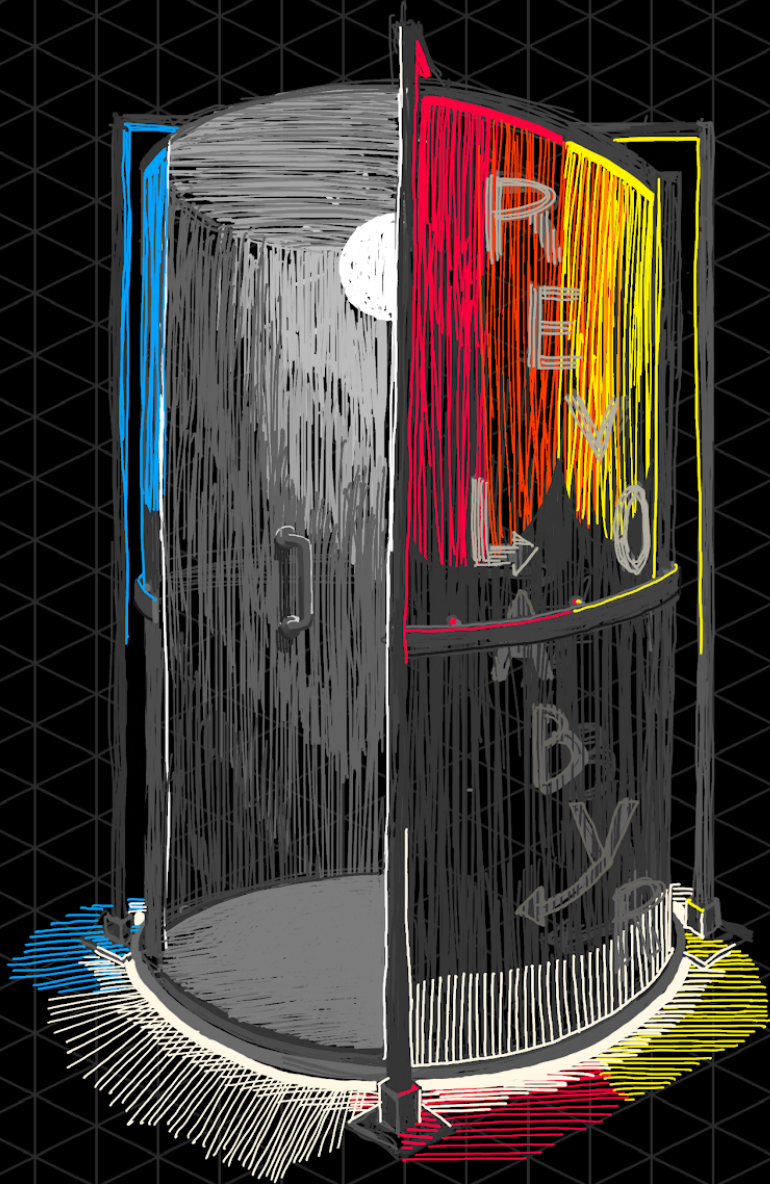
2020 Moonshot Grant Proposal

General Description: A cluster of revolving rooms (like revolving darkroom doors) that link together unique works of installation art. Manipulatable pathways will entice the participant to come back many times to try new combinations of revolutions, leading them to find a microcosmic multiverse of art that has yet to be seen. Each cylinder is 5' diameter, 8' tall, and all together around 22' at widest diagonal.

Experience Design: Five cylinders, one in each quadrant direction and one in the center, are cylindrical alcoves housing unique works of multisensory installation art. Each is made by a different artist based on the basic prompts of “sensory manipulation” and “nostalgia”. When the participant is inside one space, they will manually revolve the walls of the cylindrical installation either left or right by way of interior handles to access adjacent alcoves. This creates a unique pathway of combinations. Doors that are adjacent to each other may interact with one another, or isolate certain senses to provide the viewer with an indulgent and interactive moment. When occasionally faced with the backside of a cylinder, the participant sees a surface bathed in colored light, illuminating the spaces between cylinders, and a railing encircling each room which is designed to function as an external handle.



NOSTALGIA PURGATORY  
BURNING MAN 2020  
"REVOLUTIONARY  
LABYRINTH"  
NIGHTTIME LIGHTING





Interactivity: Revolutionary Labyrinth is a “choose your own adventure” maze, with no wrong pathways through it. Wholly about interacting with the structure of the maze itself, manually grasping and moving the installation artwork around oneself is necessary in order to reveal the next thresholds to enter. The manufacture and interactivity of the turning cylinders are much like the design of revolving darkroom doors, but more spacious. The themes offered to each installation artist as a basic prompt are “sensory manipulation”, “nostalgia”, and “multiverse”. Many of the installations contained within involve triggered effects and manipulate the senses by way of light array art, illusions and puzzles, smell, touch/tactility, and sound related to the environment or concept the installation is trying to convey. Audio/visual musicians, set designers, sculptors, escape room builders, and textile artists are among those filling out a provided template and interested in contributing their vision.

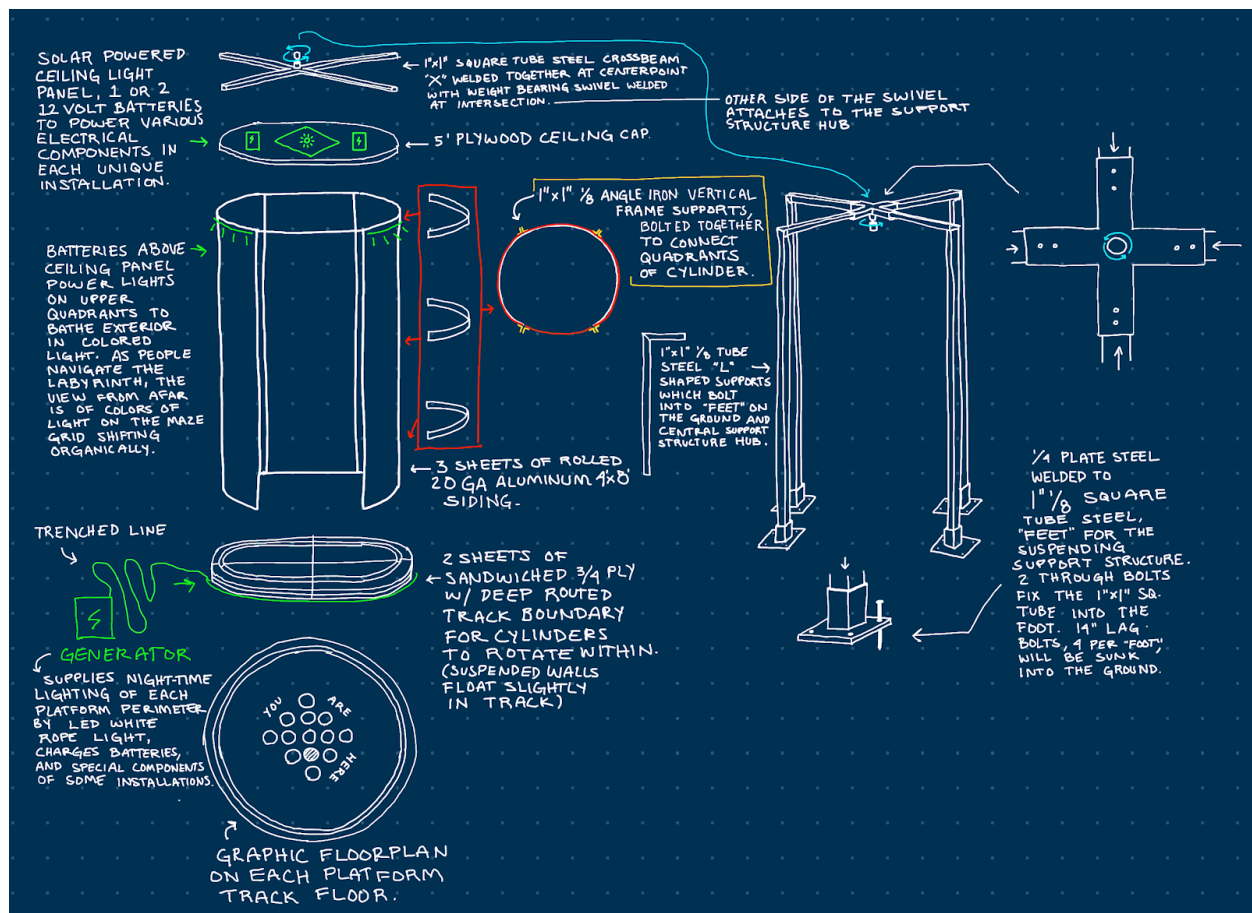
Technical Design: The build team includes architects, mechanical, structural, and electrical engineers with years of experience building burning man art. Our art is a small version of a labyrinth concept submitted to burning man org, of 5 (larger having 13)

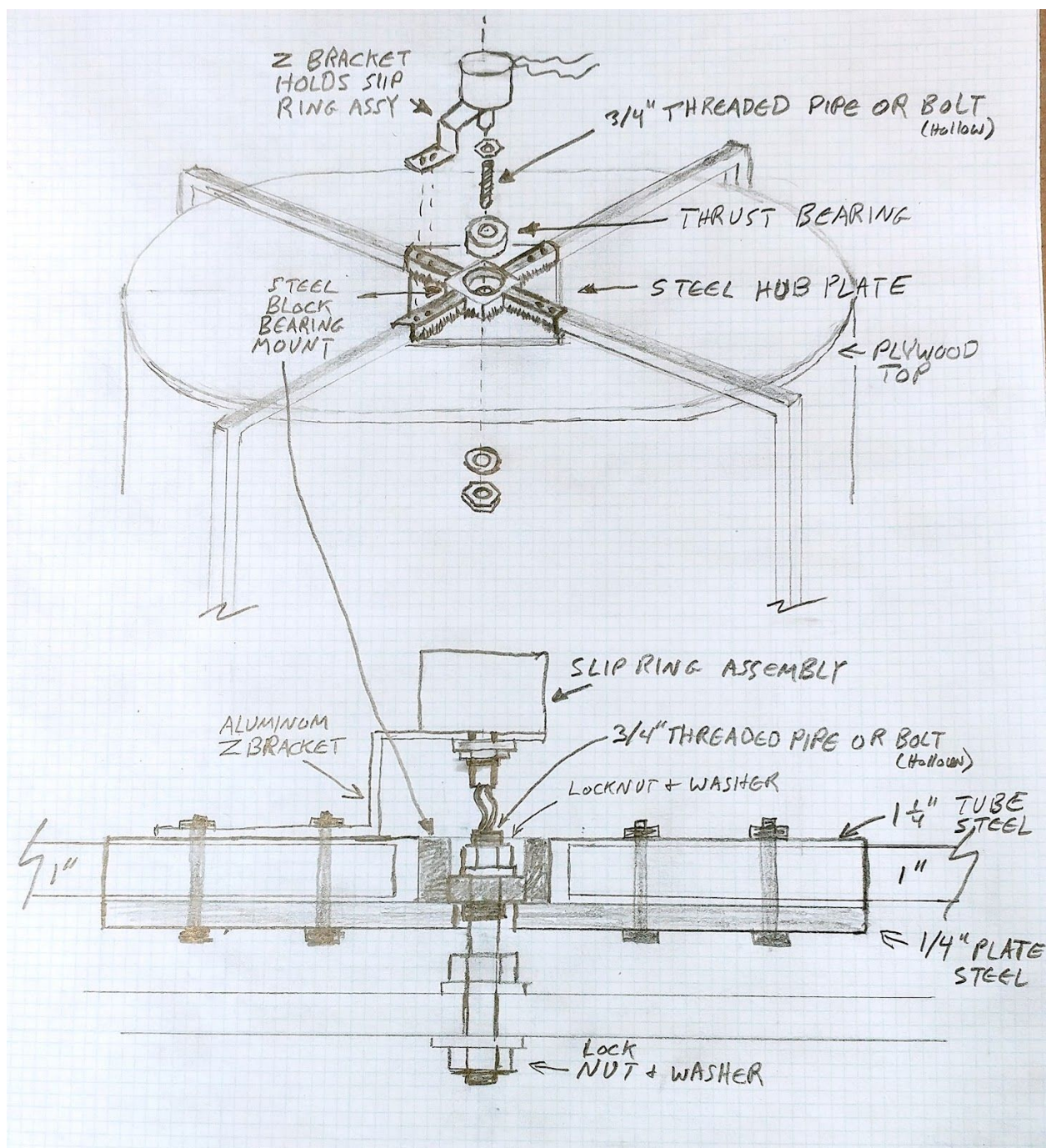


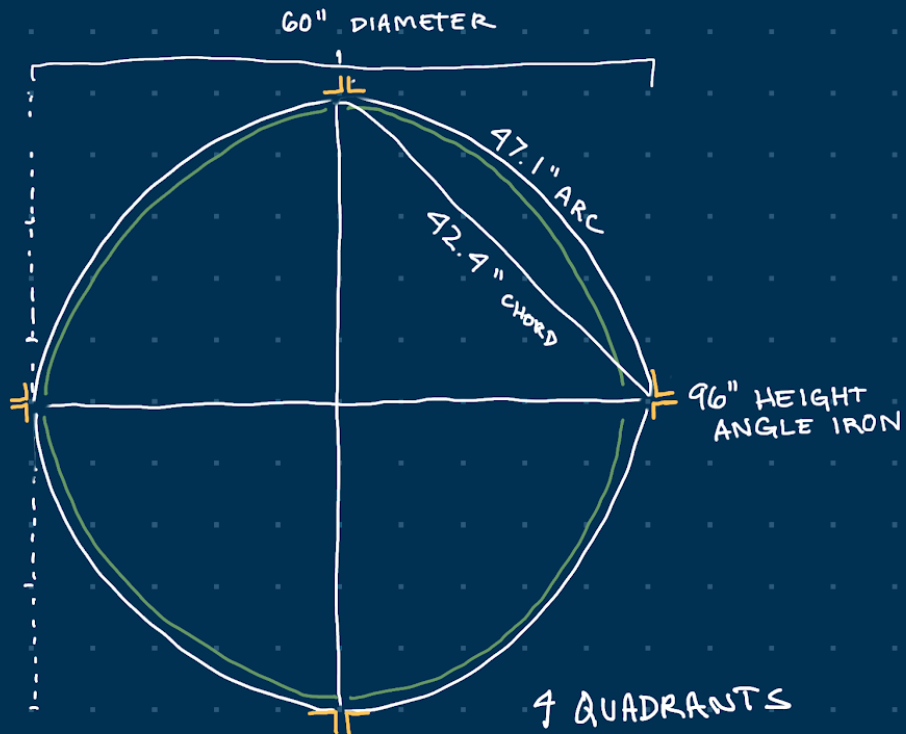
revolving rooms built similarly to darkroom doors. The floors are stationary with a track guiding the floating cylindrical walls.

Materials: Rolled steel cylindrical frames, Aluminum sheeting,  $\frac{3}{4}$  inch Plywood sheets, LED lightstrips, various interior decorative elements.

Lighting: The upper half of the external walls of the cylinders will be illuminated using multicolored LEDs encircling the cylinder walls from above. The cylinders will also be uplit from below using white LED "neon" tubes encircling the static platforms. Each cylinder will be downlit with a different color combination. This is so that the night-time appearance of the labyrinth from a distance will appear to be swaths of color that shift at intervals organically, as persons rotate the cylinders (and thus the colors) as they navigate their way through the labyrinth. A commercial slip ring assembly at the pivoting top of each cylinder safely supplies low voltage (12V) power to illuminate the interior and exterior of every cylinder. A 3kW generator will provide primary power at night. Backup and daytime power will be provided by 12V deep cycle marine batteries, with an option to charge them using solar panels. Lighting and any other powered effects within each cylinder will be designed by the installation artists and will vary in type, but all elements will be fixed to the walls and all lighting will be outdoor grade LED.

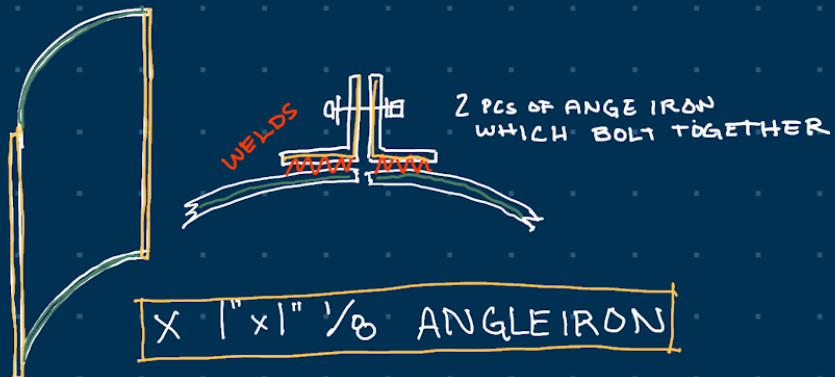






X ROLLED 1" x 1/8 BAR STEEL

WHEN ASSEMBLED:  
STEEL FRAMES FOR BENT LUAN WALLS.



Installation Plan: The cylinders, which break apart into quadrants, will be able to fit into 2 trucks. We will have a team of installers survey the site we can be placed and we will build a platform based on landscape measurements taken on a work weekend under the cylinders to level them. We will secure the metal frames to the wooden plywood base built for the uneven terrain of the festival land. The installation should be straightforward in that each completed cylinder will have labeled bins for its installation components and the cylinders will have already been built, tested, and taken apart for travel before the festival begins. The metal will be treated and each cylinder has a ceiling cap, so it will be weather resistant.

Risk Analysis/Safety: Friction brakes limit rotational speed of the cylinders themselves from spinning too quickly. Their free rotation will also make them difficult to climb. Welded steel support frames suspend the alcove walls and resist forces and endure play from curious participants, and will be welded by skilled metal fabricators. No footholds exist and “no climbing” signs will also be posted. They will be securely bolted into the large plywood platform which serves as level ground for the 5 cylinders to sit.

Project Placement: The most level available ground. I think that the top of the hill near the upper portos and parking makes sense, and so does the flat land near Totenkitten's old location, as a suggestion.

Leave No Trace Plan: Few aspects of the Labyrinth cylinders are wooden and all will be pre-cut and painted, steel frames welded, stress tested, and flat packed for delivery and removal from the playa. Contributing artists are being given explicit instructions to securely fasten all components of their installations to the cylindrical walls and may not use any loose, particulate, or delicate material for decoration. No inappropriately moopy material will be a part of any of the cylinders, and the project at a whole will be packed out and returned to storage in Massachusetts.

Future Appearances: If all goes well, 8 more cylinders will be made and 13 of them will be arranged in a labyrinthine grid and shown at Burning Man! I am also possibly interested in showing the project at Figment in Boston, and possibly continue to show and change them over time.



[illegible]



[illegible]

Firefly 2020 Revolutionary Labyrinth Template						
Expense Category		Cost per Unit	Units	Grant Request	Paid by artists out of pocket, Community Fundraising, or Donation	Total Cost
Build Space						
	Shop space monthly rent	\$200	5	\$1,000		\$1,000
	Assembly and storage space monthly rent	\$150	5	\$750		\$750
				\$0		\$0
Build Space Subtotal		\$350		\$1,750	\$0	\$1,750
Structural Materials		Cost of one Cylinder		Full Labyrinth		
	Sanded 3/4" Birch Plywood for routed platform floor (lays under entire footprint of the project)	\$56	8	\$431		\$431
	Sanded 1/4" Sanded Pine Plywood for ceiling panels	\$31	5	\$155		\$155
	1 4x8' sheet 1/4" Plate Steel	\$95	1	\$95		\$95
	3'   1/8" 1.5" square tube steel for hubs and feet	\$22	5	\$112		\$112
	3x 4x8   18 (.040) Aluminum Sheeting (painted white)	\$54	15	\$815		\$815
722.8	55.6'   .120 1.5" square tube steel	\$47	12	\$1,565		\$1,565
561.6	43.2'   .120 1.5" A36 steel flat hot rolled	\$12	11	\$372		\$372
832	64'   .120 1"x1" angle iron hot rolled steel	\$12	16	\$533		\$533
Structural Materials Subtotal		\$331		\$4,077	\$0	\$4,077
Tools & Consumables						
	Impact Driver (for lag bolts)	\$99	1	\$0	\$99	\$99
	Shovel	\$13	1	\$0	\$13	\$13
	Corrosive inhibitor spray paint (Krylon or Rustoleum coating)	\$96	1	\$96		\$96
	air compressor/leaf blower for servicing track	\$120	1		\$120	\$120
Tools & Consumables Subtotal		\$328		\$96	\$232	\$328
Hardware						
	3/8" x 14" lag bolts for securing suspending structure to ground (box of 50)	\$58	1	\$58		\$58
	1/4" x 2.5" carriage bolts for securing aluminum sheet and steel quadrant framing (box of 100)	\$14	3	\$42		\$42
	One-Piece Steel Thrust Ball Bearing	\$19	5	\$95		\$95
	1/2-13 x 3" Extra Long Hollow Bolt	\$14	5	\$70		\$70
	1/2-13 Zinc Plated Hex Nut (pack of 50)	\$11	1	\$11		\$11
	1/2-13 Zinc Plated Washer (pack of 25)	\$6	2	\$12		\$12
	1/4" washers (100)	\$7	3	\$20		\$20
	1/4" nuts (100)	\$4	3	\$11		\$11
Hardware Subtotal		\$132		\$319	\$0	\$319
Lighting / Electrical						
	12.5mm slip ring 6 wire x 2A w/flange	\$11	14	\$154		\$154
	Outdoor High Intensity Side View LED strip 12V, ass	\$42	14	\$588		\$588
	Waterproof LED Neon Strip 12V, Cool White 5 meter	\$12	14	\$168		\$168
	Supplemental LED lighting, Indoor and Outdoor	\$0		\$0	Donated by Carl G	\$0
	100' 18 AWG 2 conductor Hookup Wire Red/Black	\$22	1	\$22		\$22
	500' 16/2 Black Landscape Wire	\$109	1	\$109		\$109
	Orange Wire Nuts	\$11	1	\$11		\$11
	Marine Heat Shrink Tubing Assortment	\$6	1	\$6		\$6
	Solar panels, charge controller, and 12V deep cycle batteries	\$0		\$0	Donated by Penrose Triangle	\$0
	Automatic 12V Battery Chargers	\$0	3	\$0	Donated	\$0
	8-outlet power strips with surge protectors from Home	\$17			\$17	\$17
	100' 12/3 extension cords from Home Depot	\$80			\$80	\$80
	50' 12/3 extension cords from Home Depot	\$57			\$57	\$57
Lighting / Electrical Subtotal		\$367		\$1,058	\$154	\$1,212
Power						
	3000W Gas Generator with 12V accessory output	\$450	1	\$0	\$450	\$450

	generator fuel: 1/2 gallon per hour full load, 20 hours	\$3	20	\$0	\$55	\$55
	5gal gas can	\$0	4	\$0	\$0	\$0
<i>Power Subtotal</i>		<b>\$453</b>		<b>\$0</b>	<b>\$505</b>	<b>\$505</b>
<b>Installation Artist needs (Sound, Decor)</b>		<b>per cylinder</b>				
	Basic Material Stipend for 13 installation artists to produce their works inside each cylinder. There will be a crowdfunding event specifically for this need.	\$450	5	\$1,125	\$1,125	\$2,250
						\$0
						\$0
<i>Decor Subtotal</i>		<b>\$450</b>		<b>\$1,125</b>	<b>\$1,125</b>	<b>\$2,250</b>
<b>Specialty Services &amp; Fabrication</b>						
	Fee for use of CNC cutter, machining, and other large	\$500	1	\$0	\$500	\$500
						\$0
						\$0
<i>Specialty Services &amp; Fabrication Subtotal</i>				<b>\$0</b>	<b>\$500</b>	<b>\$500</b>
<b>TOTAL</b>				<b>\$8,426</b>	<b>\$2,516</b>	<b>\$10,941</b>