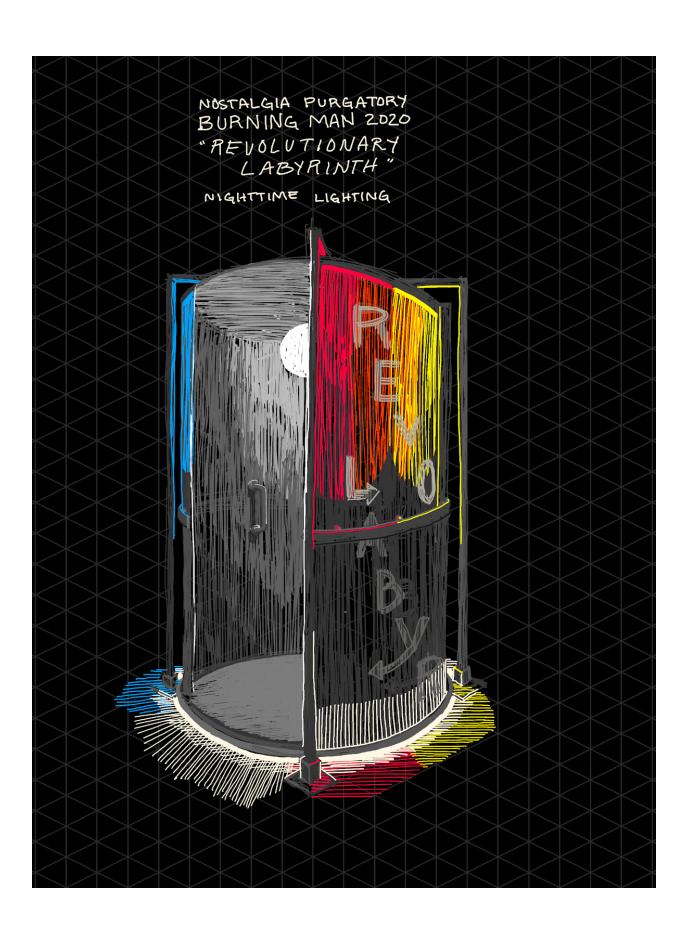
## "Revolutionary Labyrinth" Firefly Arts Collective

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.







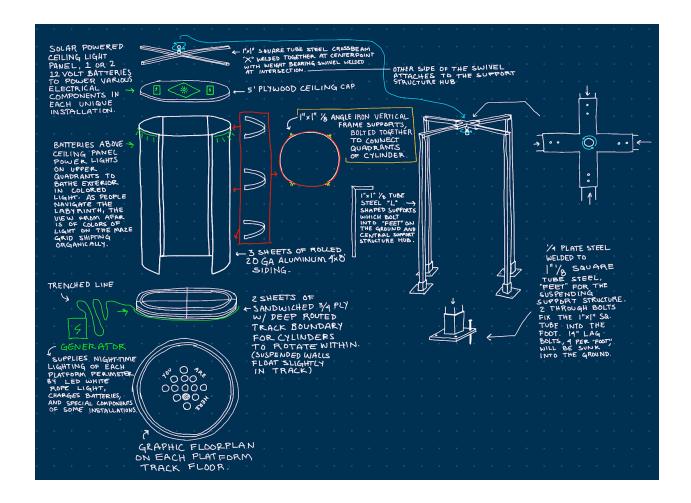
Interactivity: Revolutionary Labyrinth is a "choose your own adventure" maze, with no wrong pathways through it. Wholly about interacting with the structure of the maze itself, manually grasping and moving the installation artwork around oneself is necessary in order to reveal the next thresholds to 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.

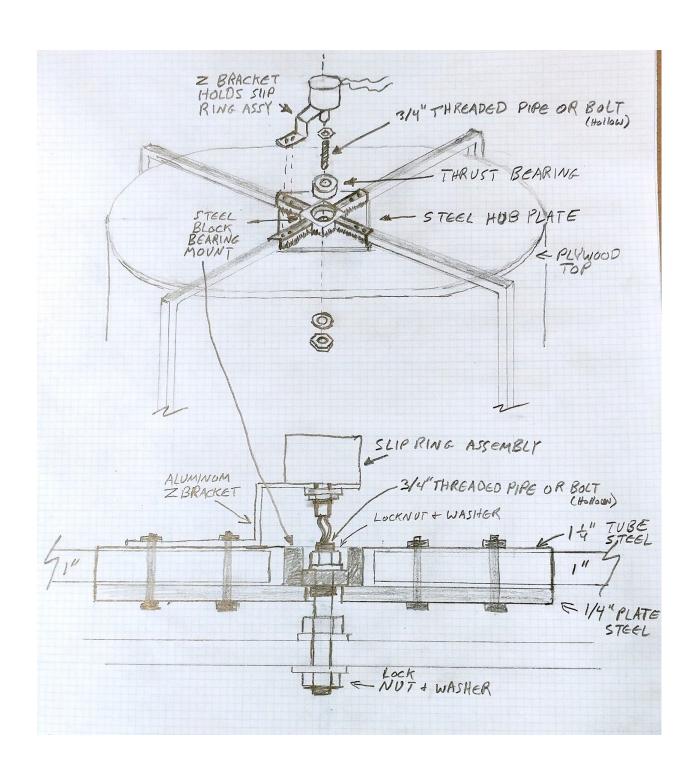
Technical Design: The build team includes architects, mechanical, structural, and electrical engineers with years of experience building burning man art. Our art is a small version of a labyrinth concept submitted to burning man org, of 5 (larger having 13)

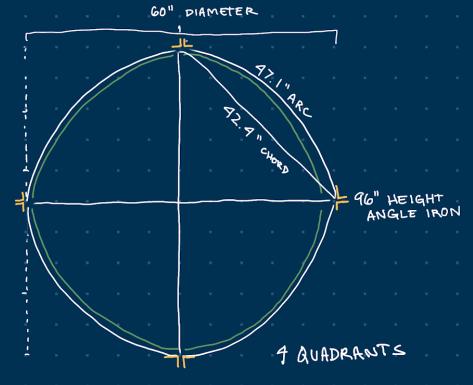
revolving rooms built similarly to darkroom doors. The floors are stationary with a track guiding the floating cylindrical walls.

Materials: Rolled steel cylindrical frames, Aluminum sheeting, ¾ 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.

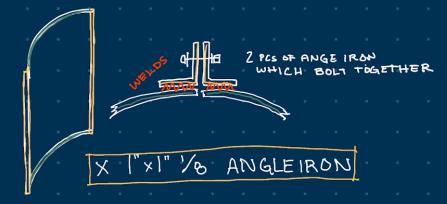






X ROLLED 1" x 1/8 BAR STEEL

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.

	PROJECT MANAGEMENT	VOLUNTEER SCHEDULE	FUNDRAISING	Cylinder1	Cylinder2	Cylinder3	Cylinder4	Cylinder5	Cylinder6	Cylinder7	Cylinder8	Cylinder9	Cylinder10	Cylinder11	Cylinder12	Cylind
	Proposal due!		Submit FIREFLY art grant proposal of bringing 5													
Jan 29	use for half scale model.		cylinders to Vermont Regional burn.													
Feb 5	Have half-scale model of one cylinder built.	Coordinate with committed fabrication site (Bluebird Graphic Solutions in Woburn) for cutting/building day.														
t a	Stress-test and 1/2 scale example installation. Have patteries installed, and powering some test lighting and sound effects. Searching for components most likely to fail.	Bring scale model to friend's personal shop, work day.														
Feb 19	Have necessary edits and adjustments made to the CAD / CNC production files.	Consult with CAD knowledgable volunteers (such as Hani), sharpen design.														
Feb 26	improve upon 1/2 scale model further, with replacement parts from design edits.	Coordinate and recut at Bluebird Shop, work at Blake's shop, if necessary.														
f	Proposal is accepted. Notify contributing artists, abricators, and previously committed team. Place order for materials, and send CAD / CNC production files to Bluebird fabrication shop. Schedule a day for cuts and pickup. Rent storage space and fabrication space in Artisan's Asylum.	Purchase Artisan's asylum membership. Rent storage space, make early vehicle rental reservations. Make public call on Boston Burner Community, Blunderwood Portable, Windchest, or other Honoraria team email lists for volunteers. Schedule first volunteer production day for following week.														
Mar 11	Cylinder1 begins production.	First volunteer production day. Artisan's asylum.														
Mar 15	Art Installation Questionaire due															
Mar 16	"Kickoff Meeting". Recieve, Review, and Sign Contract from BMOrg. Due March 31st.		Launch Patreon/Crowdfunding site for Revolutionary Labyrinth													
r	Troubleshoot Cylinder1. If any adjustments are needed at full scale, fix them this week. If none, begin assembly line of pieces manufacturing for Cylinder2, Cylinder3.	Volunteer Production Day, work at shop.	Plan Fundraiser event in Boston area, book locations													
		Call up all artists this week. Email them templates and ask for a written description of their intended		Installation												
	Deliver Cylinder1 to Artist1	installation.		begins												
Mar 31	Signed Contract for BMOrg due on this day.				Installation											
Apr 1	Deliver Cylinder2 to Artist2	Volunteer Production day. Artisan's Asylum.			begins											
Apr 8	Deliver Cylinder3 to Artist3.			PM Check in call/visit		Installatio n begins										
Apr 15	Deliver Cylinder4 to Artist4	Volunteer Production day. Artisan's Asylum.			Check in Call/Visit		Installatio n begins									
				PM Check in call, Do												
Apr 22 /	Deliver Cylinder5 to Artist5			they need		Check in Call/Visit		Installation								
	Deliver Cylinders to Artists  Deliver Cylinder6 to Artist6. Consult with Artist 1 and			more time?		Call/Visit		begins								
	pickup cylinder 1 to bring to storage, stage for truck- oad readiness.			Pickup 1	Check in call		Check in Call/Visit		Installation begins							
May 6	Deliver Cylinder7 to Artist7. Pick up 2 for storage.				Pickup 2	Check in call		Check in Call/Visit		Installation begins						
May 13	Deliver Cylinder8 to Artist8. Pick up 3 for storage.		Fundraiser Event!			Pickup 3	Check in call		Check in Call/Visit		Installation begins					
May 20	Deliver Cylinder9 to Artist9. Pick up 4 for storage.						Pickup 4	Check in call		Check in Call/Visit		Installation begins				
May 27	Deliver Cylinder10 to Artist10. Pick up 5 for storage.							Pickup 5	Check in call		Check in Call/Visit		Installation begins			
Jun 1	Art Support Services (ASS) Resource Request due											Check in Call/Visit				
Jun 3	Deliver Cylinder11 to Artist11. Pick up 6 for storage.								Pickup 6	Check in call			Check in Call/Visit	Installation begins		
Jun 10	Deliver Cylinder12 to Artist12. Pick up 7 for storage.	Volunteer Production day. Artisan's Asylum.								Pickup 7	Check in call				Installation begins	
Jun 17	Deliver Cylinder13 to Artist13. Pick up 8 for storage.	Volunteer Production day. Artisan's Asylum.	Fundraiser Event 3 for showing off how far we've come and covering other important unmet expenses								Pickup 8	Check in call				Inst beg
Jun 24	Pick up 9 for storage, as well as other Cylinder#s that may have needed extra time.	Volunteer Production day. Artisan's Asylum. Cylinders should be complete at this point.										Pickup 9				
Jul 1	Crew members finalized, names for tickets and early arrivals submitted	Build Crew team meeting														
t i	No fabrication this week. Bring 5 completed Cylinders o Firefly (Vermont burning man regional). Test nstallation, install, power sytem, and cylinder-to- cylinder interaction on small grid scale.												possibly no fabrication	possibly no fabrication	possibly no fabrication	pos fab
F	Return Cylinders 1-5, and Pick up 10, to storage	Build Crew and Volunteer production day in Storage Space with completed cylinders for adding LEDs to exterior											Pickup 10			
-	Pick up 11 for playa-ready storage. Have a cleaning day to get any matter from Firefly terrain off of the 5 cylinders.	Troubleshooting and testing LEDs and power with														

	Pick up 13th and final cylinder. Move all cylinders, disassembled into quadrants and labeled ALCs, to storage space before truck load. Run down checklist of components per cylinder, print multiple copies of assembly instructions for each installation and put one in each ALC. Label by color and name, ziptle associated ALCs together, as well as build crew camp supplies, generator and tools, and other materials needed on plaga. WEEK LONG PROJECT	Large volunteer pull for pre-truck load!							Final pickup
Aug 1	TRUCK LOAD. Transportation from Boston to BRC	Huge volunteer pull for TRUCK LOAD!							
Aug 5	Crew meeting. Prepping crew for playa, last minute organizational tasks.	Crew meeting is followed by volunteer appreciation party!							
Aug 12									
Aug 19	Crew flies to Reno.								
Aug 26	Build week and installation.								
Aug 30	Build finished by sunrise. Burning Man Festival								
Sep 2									
Sep 7	Strike Art Project and LNT begins. Disassemble and repack installation components into labeled boxes for return to boston. Load shipping container back at the Boston Hive neighborhood.								
Sep 9	Crew regroup in Reno. Container with project + village and camp gear ships back to Boston.								
Sep 16	Truck Unload in Boston, cleaning and storing labyrinth.								
Sep 23									
Sep 30	Documentation and Final Report	Thank you notes for volunteers are made and mailed lo	Thank you notes and fundraiser backer rewards are sh	nipped out.					
Oct 15	Final report and high-resolution images due								

Expense Category	Cost per Unit	Units	Grant Request	Paid by artists out of pocket, Community Fundraising, or Donation	Total Cost
Build Space	Coot por Cint	Cinto	Orant Roquoot	Bonacion	Total Goot
Shop space monthly rent	\$200	5	\$1,000		\$1,000
Assembly and storage space monthly rent	\$150		\$750		\$750
,		-	\$0		\$0
Build Space Subtotal	\$350		\$1,750	\$0	\$1,750
tructural 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		\$43 <sup>-</sup>
Sanded 1/4" Sanded Pine Plywood for ceiling panels	\$31	5	\$155		\$15
1 4x8' sheet 1/4" Plate Steel	\$95	1	\$95		\$9
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
22.8 55.6'   .120 1.5" square tube steel	\$47	12	\$1,565		\$1,56
<b>61.6</b> 43.2'   .120 1.5" A36 steel flat hot rolled	\$12		\$372		\$372
832   64'   .120 1"x1" angle iron hot rolled steel	\$12	16	\$533		\$53
Structural Materials Subtotal	\$331		\$4,077	\$0	\$4,07
ools & Consumables					
Impact Driver (for lag bolts)	\$99	1	\$0	\$99	\$9
Shovel	\$13	1	\$0	\$13	\$1:
Corrosive inhibitor spray paint (Krylon or Rustoleum coating)	\$96		\$96		\$9
air compressor/leaf blower for servicing track	\$120	1	400	\$120	\$12
ools & Consumables Subtotal	\$328		\$96	\$232	\$328
ardware					
3/8" x 14" lag bolts for securing suspending structure to ground (box of 50)  1/4" x 2.5" carriage bolts for securing aluminum	\$58	1	\$58		\$58
sheet and steel quadrant framing (box of 100)	\$14	3	\$42		\$43
One-Piece Steel Thrust Ball Bearing	\$19	5	\$95		\$9
1/2-13 x 3" Extra Long Hollow Bolt	\$14	5	\$70		\$7
1/2-13 Zinc Plated Hex Nut (pack of 50)	\$11	1	\$11		\$1
1/2-13 Zinc Plated Washer (pack of 25)	\$6	2	\$12		\$1:
1/4" washers (100)	\$7	3	\$20		\$2
1/4" nuts (100)	\$4	3	\$11		\$1
lardware Subtotal	\$132		\$319	\$0	\$31
ighting / Electrical					
12.5mm slip ring 6 wire x 2A w/flange	\$11	14	\$154		\$15
Outdoor High Intensity Side View LED strip 12V, ass					\$58
Waterproof LED Neon Strip 12V, Cool White 5 meter			\$168		\$16
Supplemental LED lighting, Indoor and Outdoor	\$0			Donated by Carl G	\$
100' 18 AWG 2 conductor Hookup Wire Red/Black	\$22	<u> </u>	\$22	,	\$2
500' 16/2 Black Landscape Wire	\$109		\$109		\$10
Orange Wire Nuts	\$11	1	\$11		\$1
Marine Heat Shrink Tubing Assortment	\$6	1	\$6		\$
Solar panels, charge controller, and 12V deep cycle batteries	\$0			Donated by Penrose Triangle	\$
Automatic 12V Battery Chargers	\$0	3	\$0	Donated	\$
8-outlet power strips with surge protectors from Hom	\$17			\$17	\$1
100' 12/3 extension cords from Home Depot	\$80			\$80	\$8
50' 12/3 extension cords from Home Depot	\$57			\$57	\$5
ighting / Electrical Subtotal	\$367		\$1,058	\$154	\$1,21

generator fuel: 1/2 gallon per hour full load, 20 hours	\$3	20	\$0	\$55	\$55
5gal gas can	\$0	4	\$0	\$0	\$0
Power Subtotal	\$453		\$0	\$505	\$505
Installation Artist needs (Sound, Decor)	per cylinder				
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
Decor Subtotal	\$450		\$1,125	\$1,125	\$2,250
Specialty Services & Fabrication					
Fee for use of CNC cutter, machining, and other larg	\$500	1	\$0	\$500	\$500
					\$0
					\$0
Specialty Services & Fabrication Subtotal			\$0	\$500	\$500
TOTAL			\$8,426	\$2,516	\$10,941