

# LIGHT PORTALS

**HERM & AARON GREIDER**

Proposal for the 2025 Cincinnati Nature Center  
*Light in the Forest* event

Contact

937-271-5532 call or text  
herm.greider@gmail.com  
4403 Erie Ave #3  
45227 Cincinnati OH



CHECK OUT THE VIDEO WITH SOUND [LIGHT.GREIDER.ORG](http://LIGHT.GREIDER.ORG)

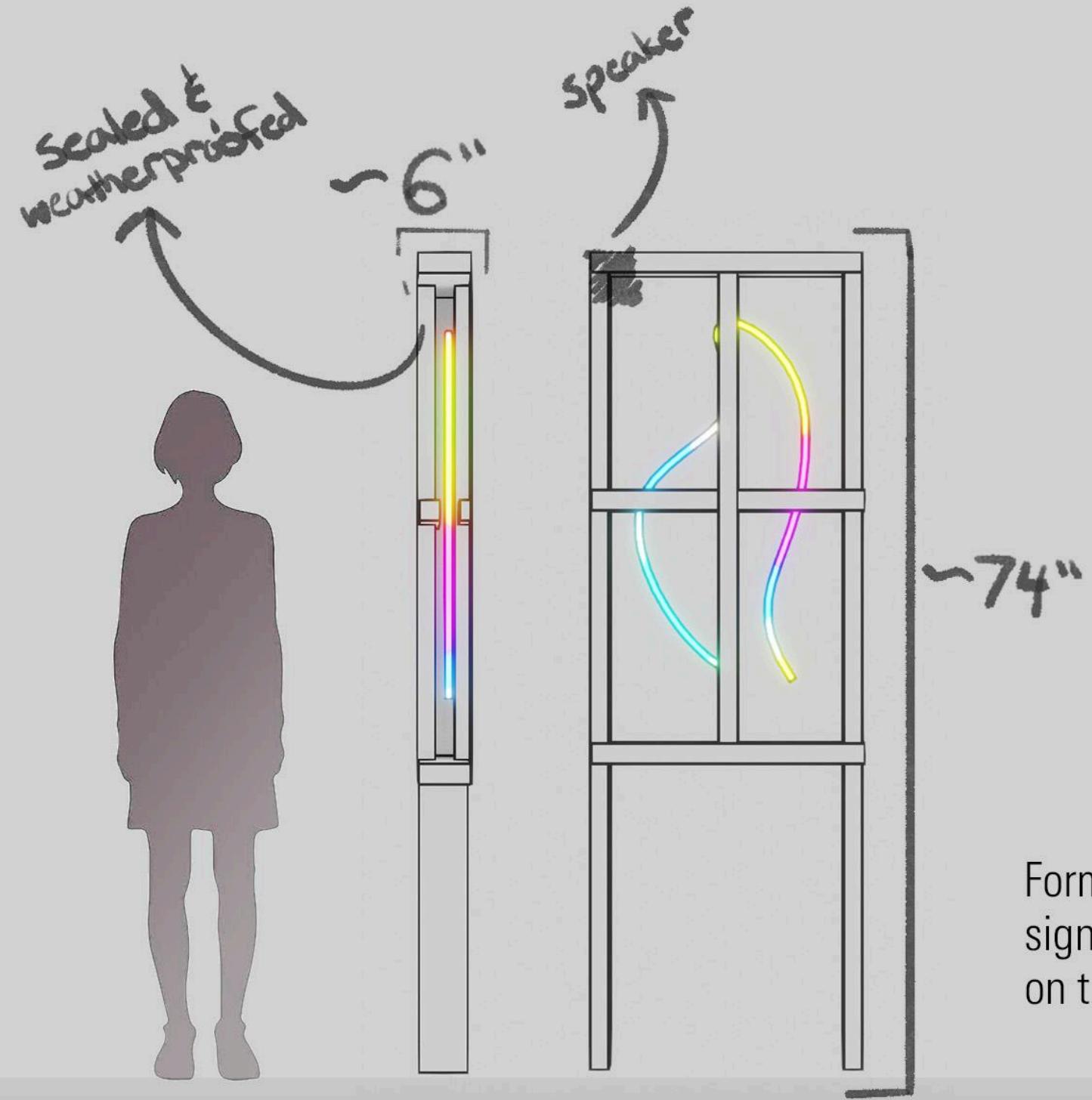
## **STEP UP TO THE PORTALS.**

As you walk the nature path, soft chimes and flickering forest specters respond to your movements, creating a surreal, immersive experience. The *Light Portals* use repetition, sound, and subtle interactivity to make visitors feel surrounded by living light, blending the natural and the otherworldly to make the Portals feel malleable and alive.

Our *Light Portals* are built from reclaimed materials, letting the light of the past shine through and inviting visitors to imagine the history of the land beneath their feet.

The installation will be a construction of four individual wooden frames from reclaimed windows and doors, with programmable multicolor LED strips sealed between two panes and fully waterproofed. Each LED responds to data from proximity sensors, changing hue, intensity, and pattern to bring the illuminated “forest specters” to life. A programmable synthesizer will adjust notes and timbres based on visitor movement, fading tracks in and out and shaping waveforms for a more immersive experience. Each portal will feature a single speaker on the top, creating a compact surround sound setup.

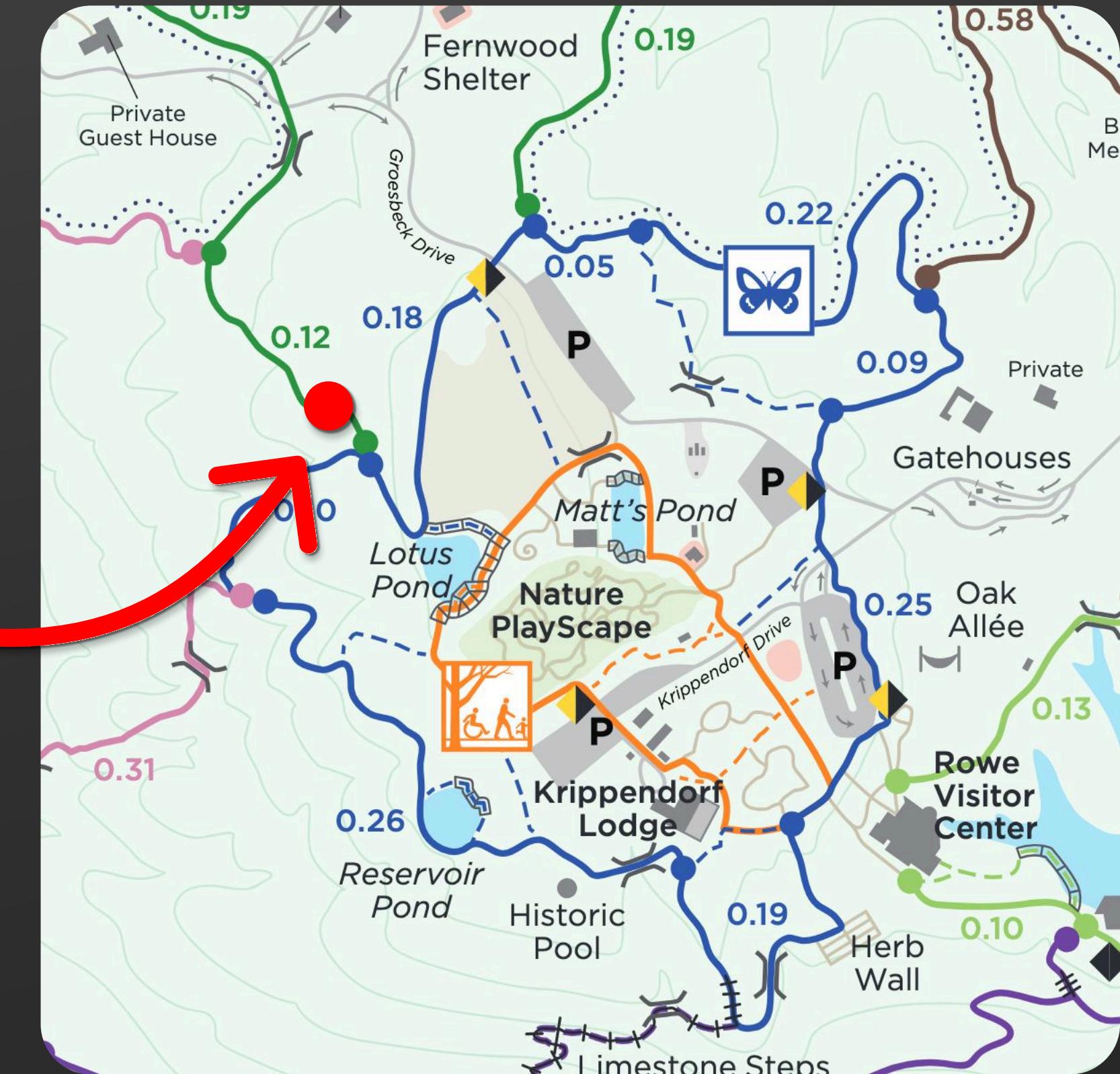




Forms may vary  
significantly depending  
on the specific materials sourced.

# APPROXIMATE LOCATION

Northwest of Lotus pond, parallel with Groesbeck Drive





## **Herm Greider**

Retired Software Developer with 40 years experience leading, designing, and coding all types of software systems for defense and commercial applications. BS Computer Science, UC. MS CS Wright State. Currently prototyping lighting and sound projects.



## **Aaron Greider**

Graphic Designer/Front-End Web Developer at Jungle Jim's International Market. BS Communication Design from UC DAAP 2022. Cincinnati Nature Center Member and new volunteer (2025!). Eagle Scout and native plant enthusiast. Bane of honeysuckle.

# Budget

		Num per Portal	Total per Portal	Total Items	Total
<b>Reclaimed Windows</b>	\$30	2	\$60	8	\$240
<b>6' LED strip</b>	\$60	1	\$60	4	\$240
<b>speakers</b>	\$25	1	\$25	4	\$100
<b>power supply for LED</b>	\$40	1	\$40	4	\$160
<b>cables</b>	\$13	1	\$13	4	\$52
<b>stake for ground</b>	\$20	2	\$40	8	\$160
<b>connectors</b>	\$4	1	\$4	4	\$16
<b>waterproof electronics box</b>	\$6	1	\$6	4	\$24
<b>proto board</b>	\$7	2	\$14	8	\$56
<b>microcontroller (w Bluetooth)</b>	\$30	1	\$30	4	\$120
<b>daisy seed</b>	\$25	1	\$25	4	\$100
<b>Incidentals (caulk, paint, screws...)</b>	\$60	1	\$60	1	\$60
<b>total</b>			\$377		\$1,328

# Project Plan

## June

Early Prototype — 12" x 12" frosted pane, one LED strip with proximity and synth

**June 30, 2025**

Acquire windows and electronics

**July 31, 2025**

Finalize appearance

**August 31, 2025**

Construction of Portal frames

**September 31, 2025**

Portal software programming

**October 31, 2025**

Finishing touches and Backyard Halloween Demo

**November 15, 2025**

Installation

**January, 2026**

Teardown

# **Portfolio**

Portfolio and supplemental video renderings available at:

**light.greider.org**

# Reference

**Linwood Cobb** *Creative Director at Jungle Jim's*  
+1 (513) 340-2417  
[zcobb@junglejims.com](mailto:zcobb@junglejims.com)