

# Sydney Murphy

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48 Pennsylvania Creek Trail | Blue River | Colorado

Design Portfolio | Undergraduate Studies | CU Boulder

ADOBE CC | REVIT | SKETCHUP | ARC GIS | PHOTOGRAPHY

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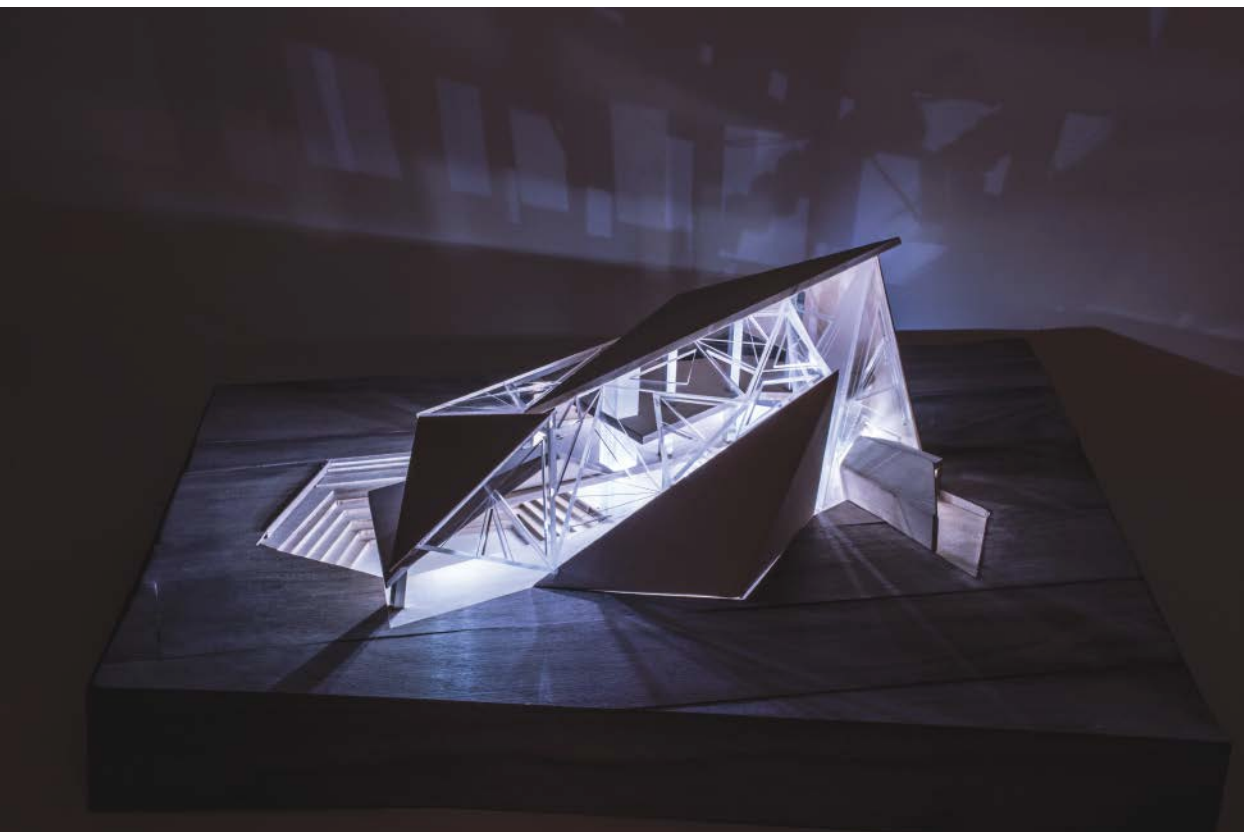
# ARKTIKOS

Lorem ipsum

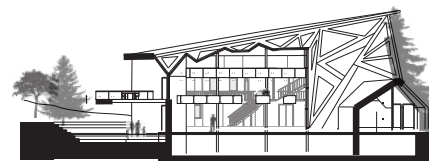
Arctic Museum and Education Center |  
Eldora Springs, Colorado |

Arktikos is a place to learn and be inspired by the arctic ecosystem. The goal of the facility is to encourage the community to work against climate change and stop the destruction of the polar ice caps and the Arctic Circle. |

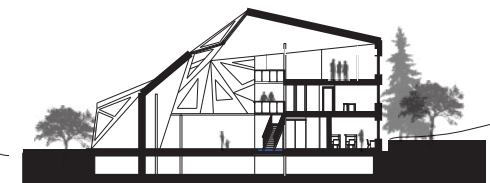
The Rigid structure of the museum is the Pinnacle of the South Boulder Mesa Trail. Mimicing ice and glaical formations, Arktikos looks almost as if it's Crystallized. The shattered glass form that makes up the truss is the elegant Serac of the museum. The profusion of angled glass creates a Diffuse Reflection - intensifying light, shadows and sparkle both inside and out of the building. |



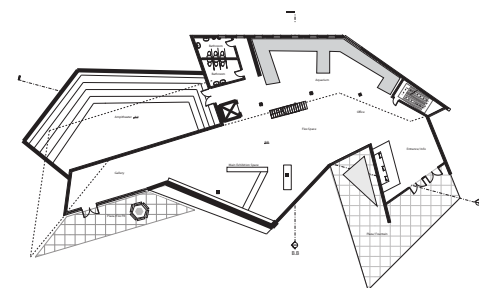
Section A-A



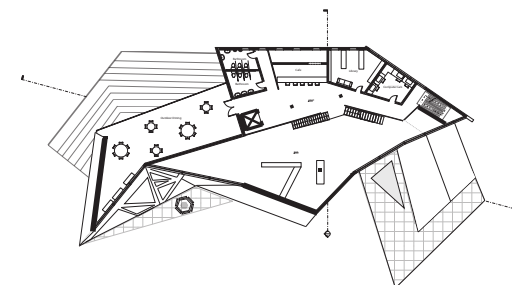
Section B-B



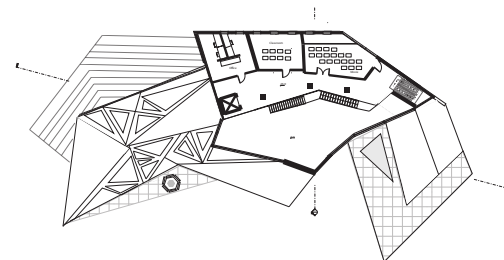
First ⌚ N



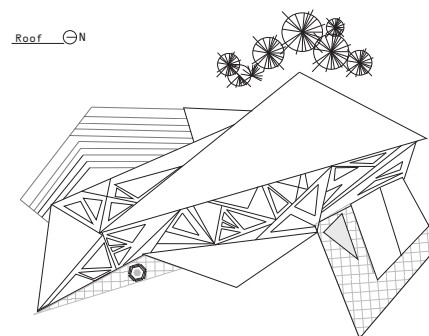
Second ⌚ N



Third ⌚ N



Roof ⌚ N

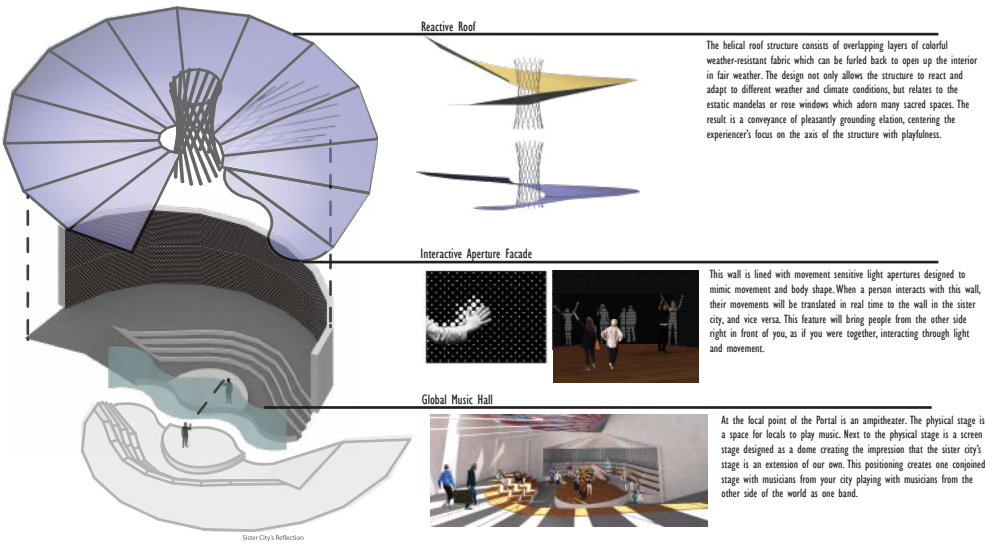
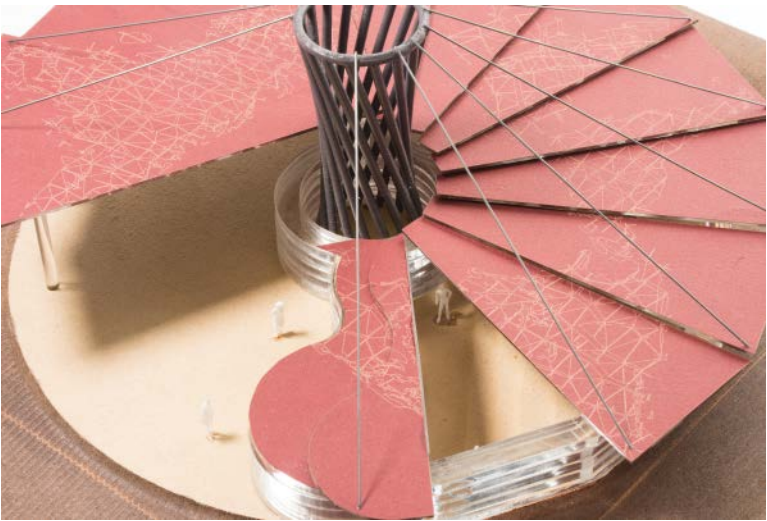


# The Portal

LAKA Competition 2016 Submittal - "Architecture that Reacts"  
Editor's Choice

I challenge you to ask yourself, what makes us human? As we grow stronger and our world grows more connected, each action resonates farther and with more effect around the globe. Truly, we are a global society now, and our fates are tied together. Yet we remain divided. We have trouble extending our understanding out side of our specific localities. We only experience each other through the disembodied and biased filter of media. The Portal seeks to provide direct connection and entanglement between non-adjacent communities through the use of digitally enabled phenomenological experiences. It will create a permanent feed-back loop between spaces where spontaneous interactions and real connections are possible. So, what makes us human? I believe it's simply the human connection.

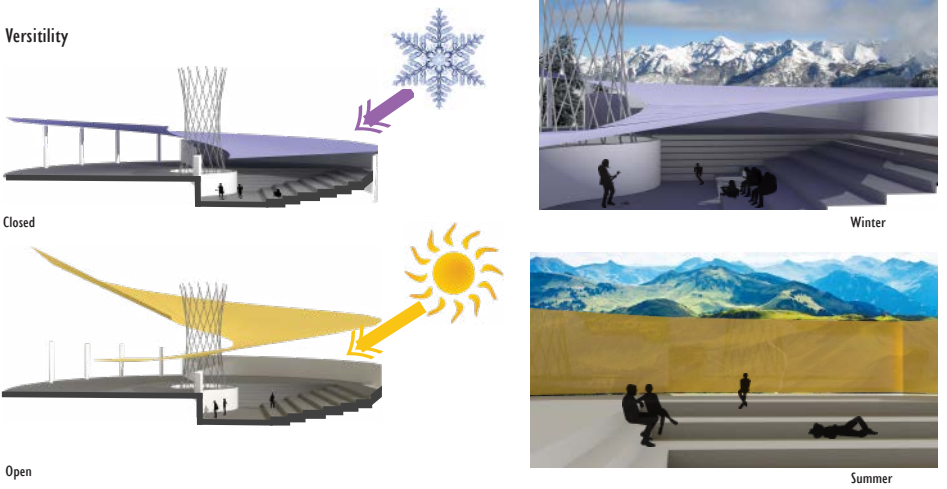
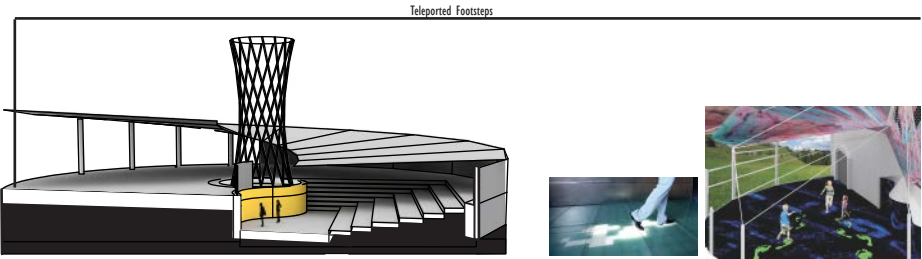
Portals will be located in a number of cities all over the world as a global system of connection. Two portals will be paired with eachother, essentially creating "one" structure for citizens from both cities to interact. Paired buildings are mirrored images of each other, so upon entry, the inside space appears to double. This phenomena happens through internal screen-lined walls projecting the other side at all times.



The helical roof structure consists of overlapping layers of colorful weather-resistant fabric which can be furled back to open up the interior in fair weather. The design not only allows the structure to react and adapt to different weather and climate conditions, but relates to the estatic mandelas or rose windows which adorn many sacred spaces. The result is a conveyance of pleasantly grounding elation, centering the experience's focus on the axis of the structure with playfulness.

This wall is lined with movement sensitive light apertures designed to mimic movement and body shape. When a person interacts with this wall, their movements will be translated in real time to the wall in the sister city, and vice versa. This feature will bring people from the other side right in front of you, as if you were together, interacting through light and movement.

At the local point of the Portal is an amphitheater. The physical stage is a space for locals to play music. Next to the physical stage is a screen stage designed as a dome creating the impression that the sister city's stage is an extension of our own. This positioning creates one conjoined stage with musicians from your city playing with musicians from the other side of the world as one band.



Versatility

Closed

Open

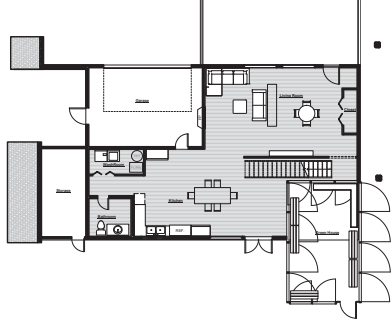
Winter

Summer

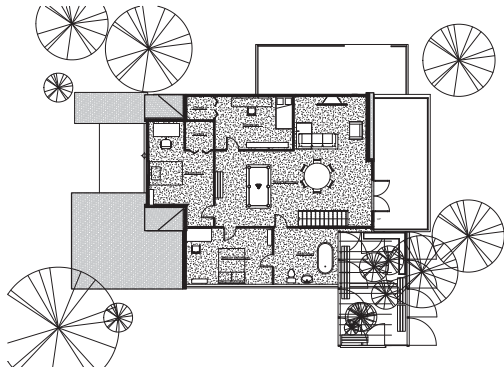


# Convergent Home

FIRST FLOOR



SECOND FLOOR



BACKYARD - DAY



BEDROOM

