

# Portfolio — Water, etc.

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Architect

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2022

# Port Hope

VFA / 2017-18

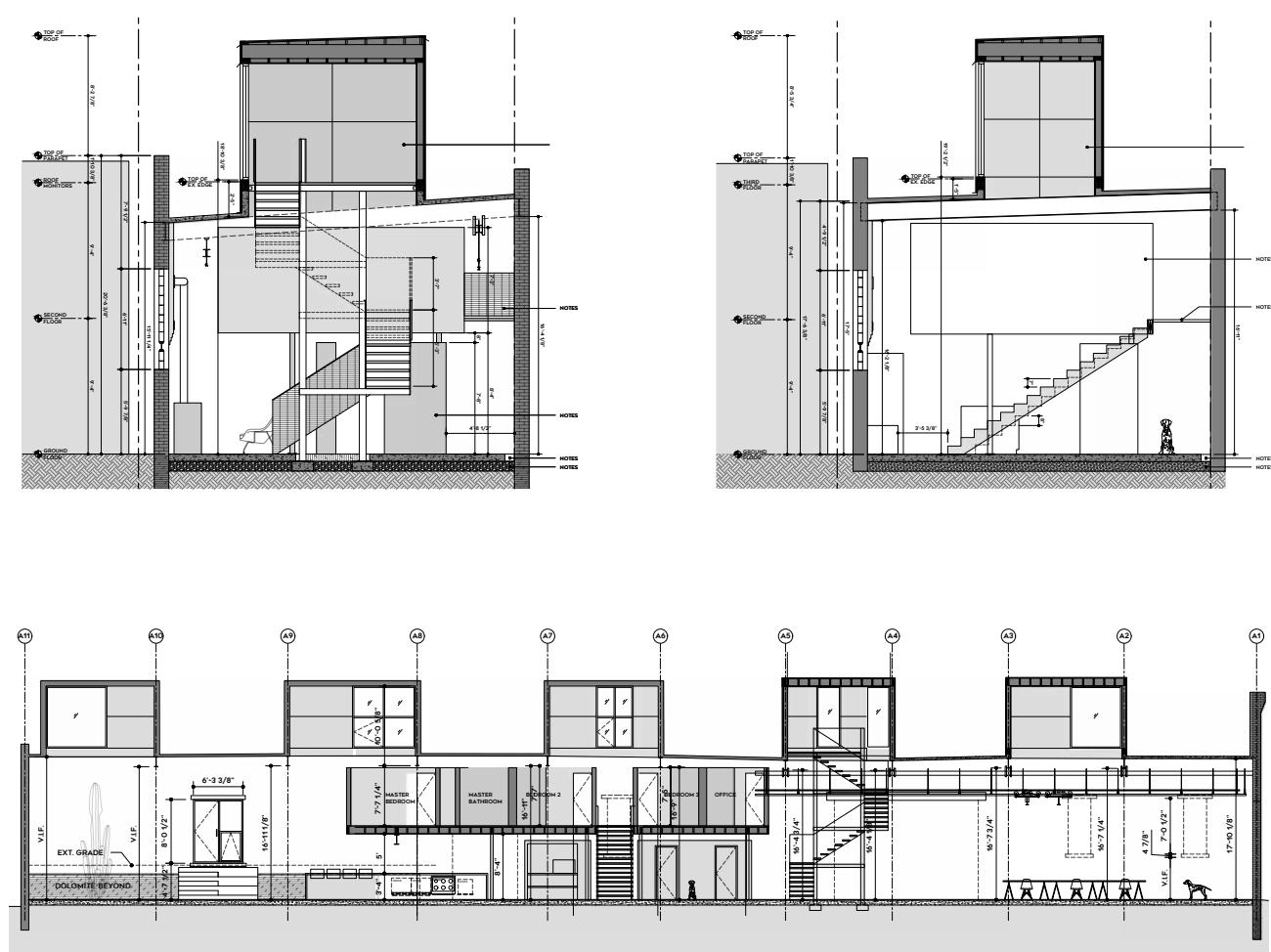
Sited on a slope facing a large private stream and pond, the Port Hope house is both a renovation to an existing cottage-style home as well as a significant addition overlooking the water. The design proposal morphed from a hard contrast between old and new toward a subdued regionalism using a fiber-cement exterior rainscreen and simple, expanded interior volumes. Designed for an older couple, all primary rooms are tightly wrapped around a central lift. Located on the second floor are two guest rooms.



# 18 Essex

Studio North Architecture / 2019

18 Essex is one slice of a former municipal cold-storage facility in the Five Points neighborhood of West Buffalo. I worked with Chris Romano, architect and owner, to conceptualize, design, and document a bespoke residential design to be inserted into the warehouse skeleton —a house within a house. Configured around five grand light-wells that bring light down into the flexible open spaces, the home is heated using a radiant slab connected to a wood-burning ceramic oven.



## Proto Cabin

VFA / 2017

Proto delivers high-end residential architecture using pre-fabricated systems and a proprietary steel structural system with no site waste. Designed for both new builds and renovations, urban infill and Ontario's growing cottage market, Proto—X targets the growing market within a 3-hour radius of Toronto.



## Proto Infill

VFA / 2017

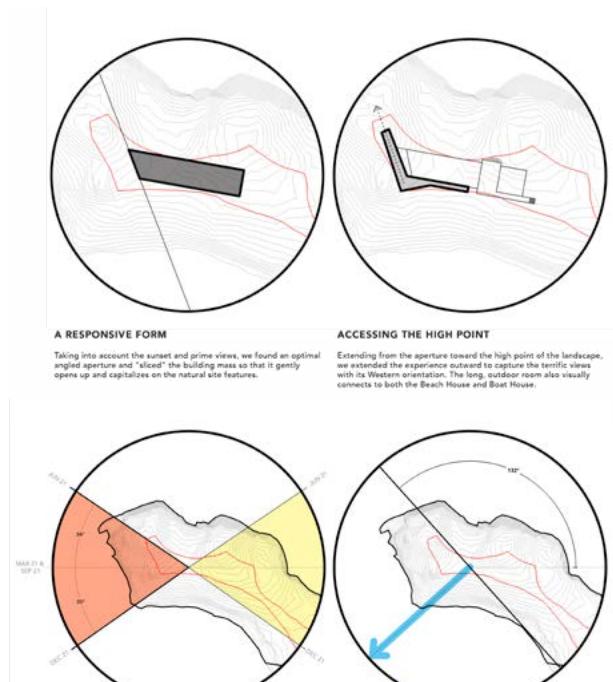
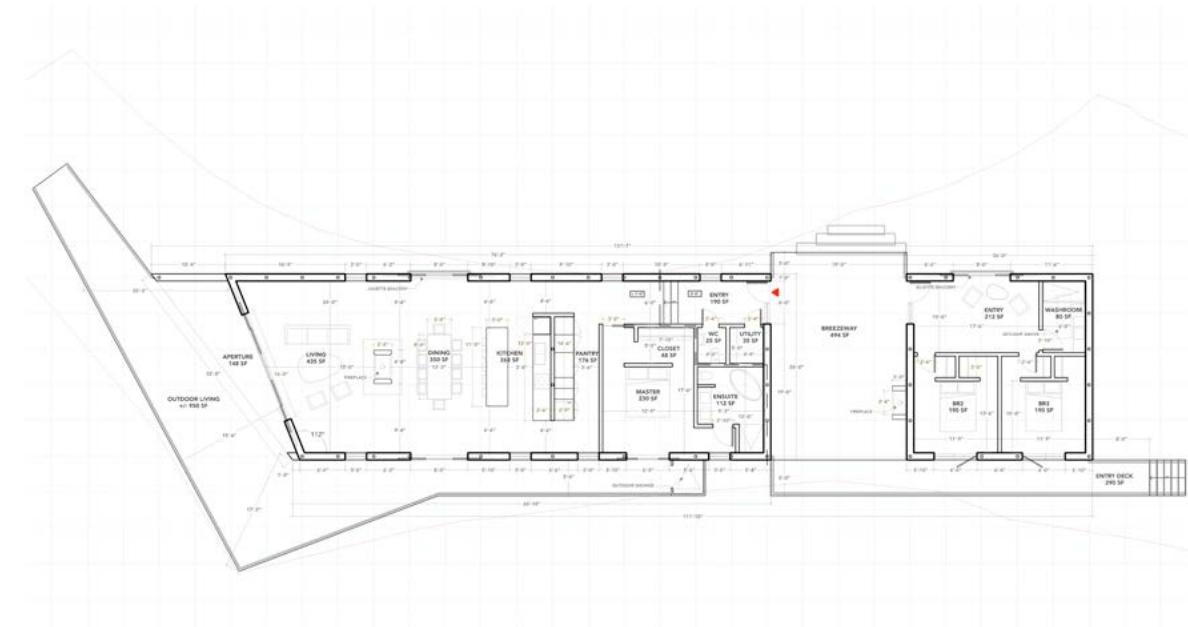
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# Aperture House

VFA / 2017-18

Sited on a picturesque peninsula in Lake Muskoka, Aperture House makes the most of its location to capture sunsets and long views down the lake through large cedar apertures. Singular and monolithic in volume, the house bridges two high-points on uneven terrain. Clad in cedar and shou sugi ban, the volume glows warm in the evening as a beacon on the water.



A RESPONSIVE FORM

Taking into account the sunset and prime views, we found an optimal angled aperture and "sliced" the building mass so that it gently opens up and capitalizes on the natural site features.

## ACCESSING THE HIGH POINT

Extending from the aperture toward the high point of the landscape, we extended the experience outward to capture the terrific views with its Western orientation. The long, outdoor room also visually connects to both the Beach House and Boat House.

CAPTURING SUNSETS

Sunsets during the summer and winter solstice occur coincidentally at nearly-identical angles from due West. This means that an ideal angle

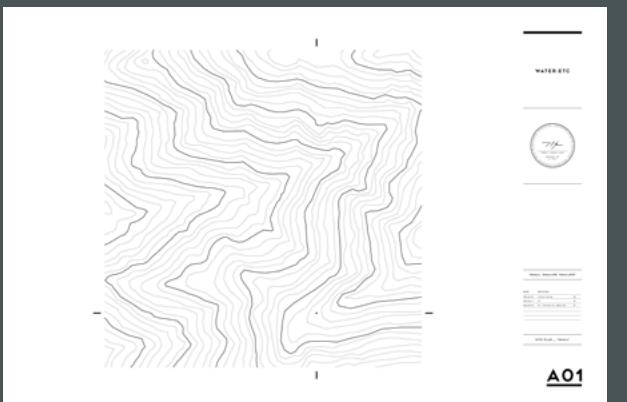
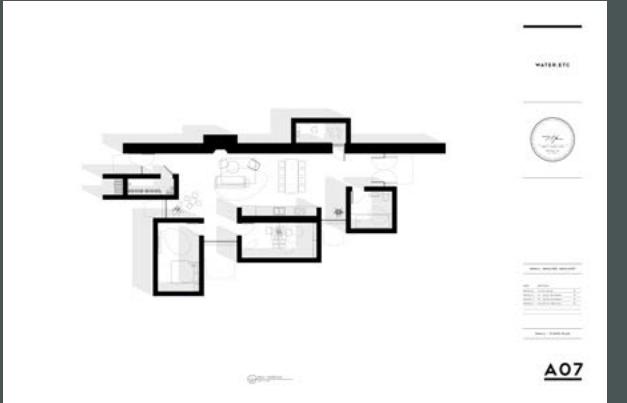
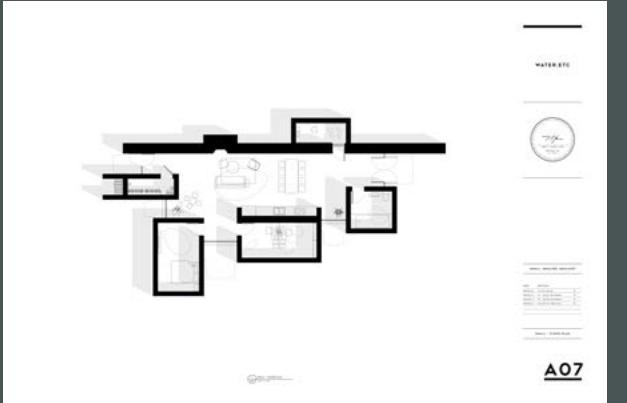
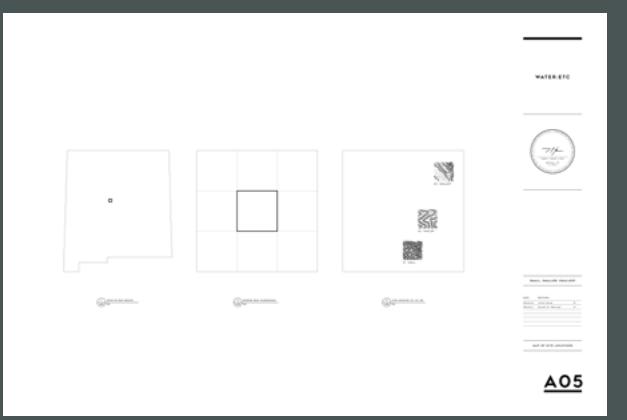
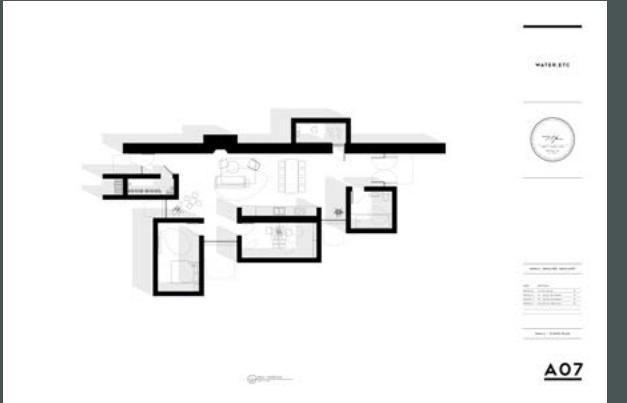
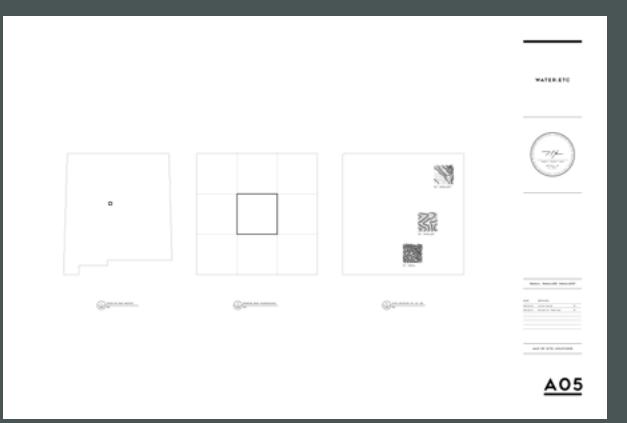
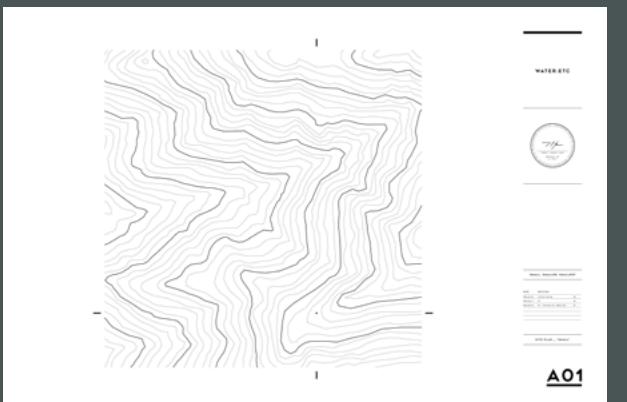
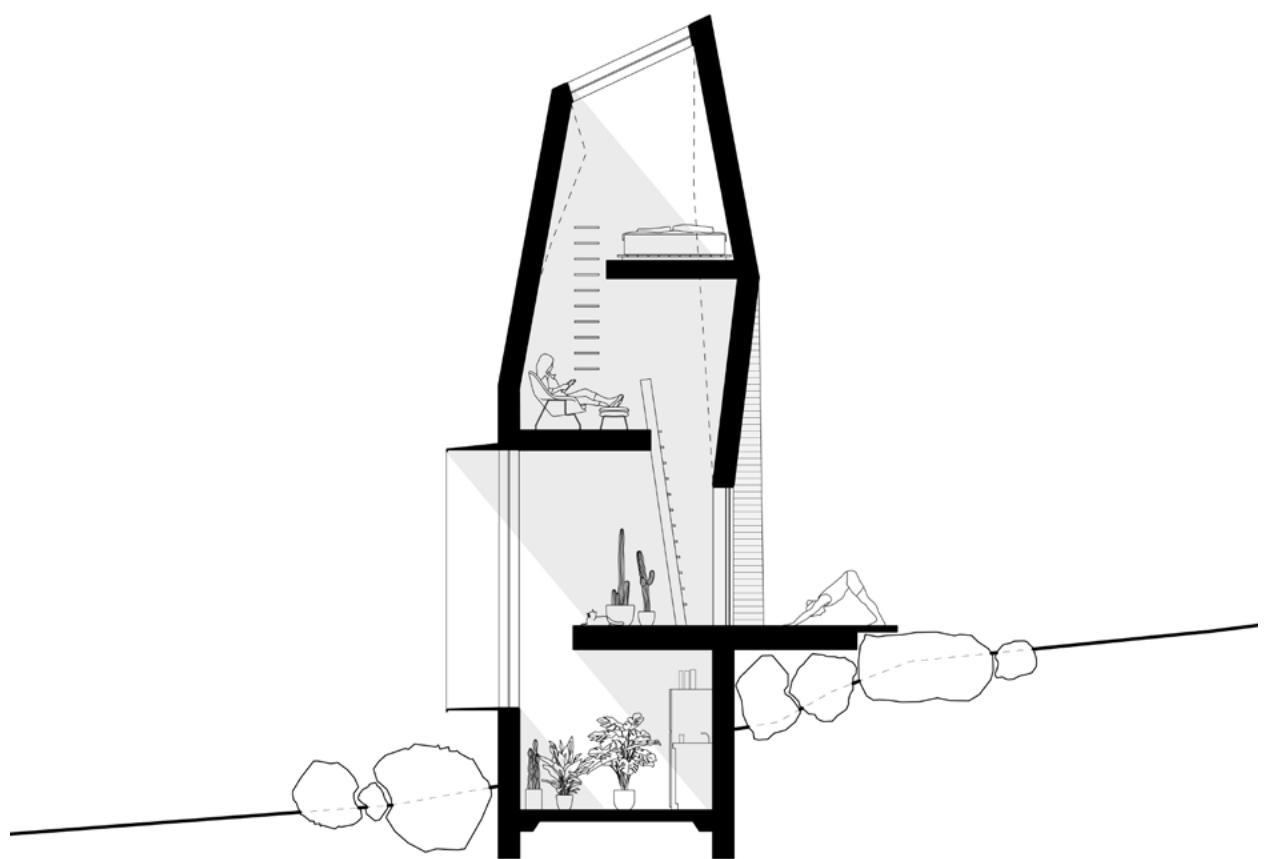
#### ORIENTING TOWARDS THE BEST MEMS

However, sunsets are not enough to determine the siting of a cottage on such a picturesque site. We found the best angle at which to see

# Small, Smaller, Smallest

Water.etc / 2018+

Small, Smaller, Smallest is a collection of small dwellings designed for New Mexico. Through these projects, I incorporate low-tech methods of construction that operate with passive energy strategies, such as thermal massing, natural ventilation, etc. In March of 2019, the first three designs were exhibited as part of the Dwelling group show at Artcite Gallery in Windsor, Canada.

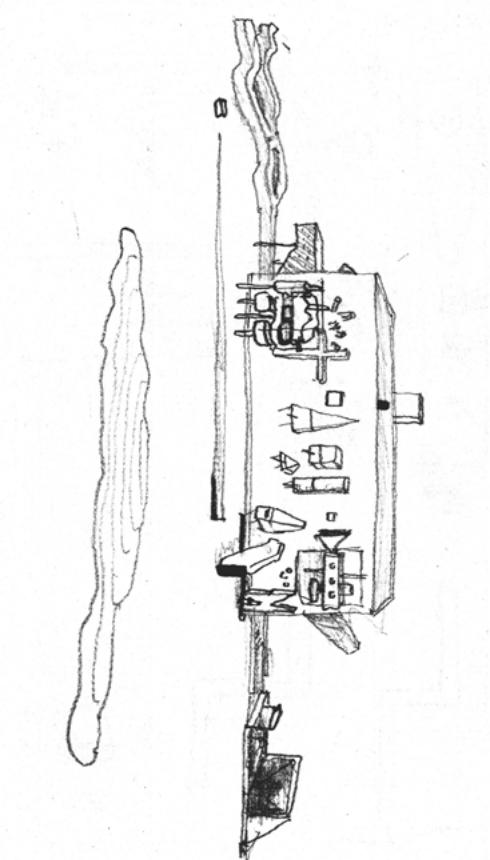
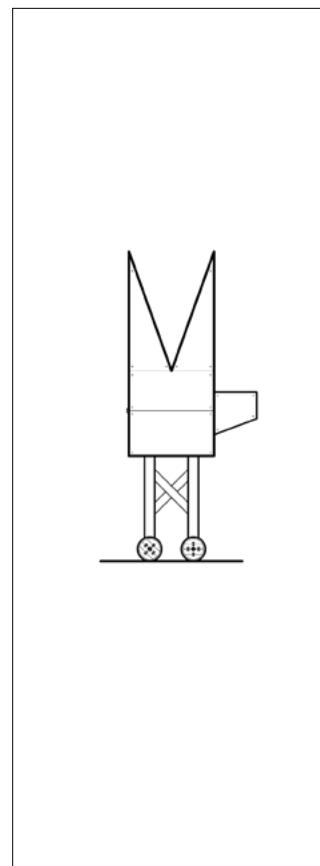
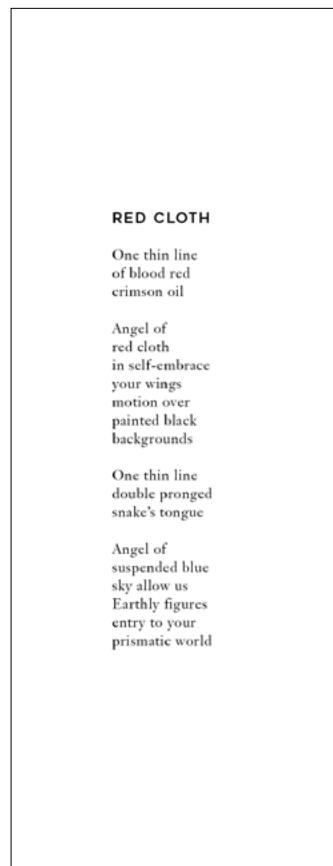


# Cathedral

McGill University / 2017

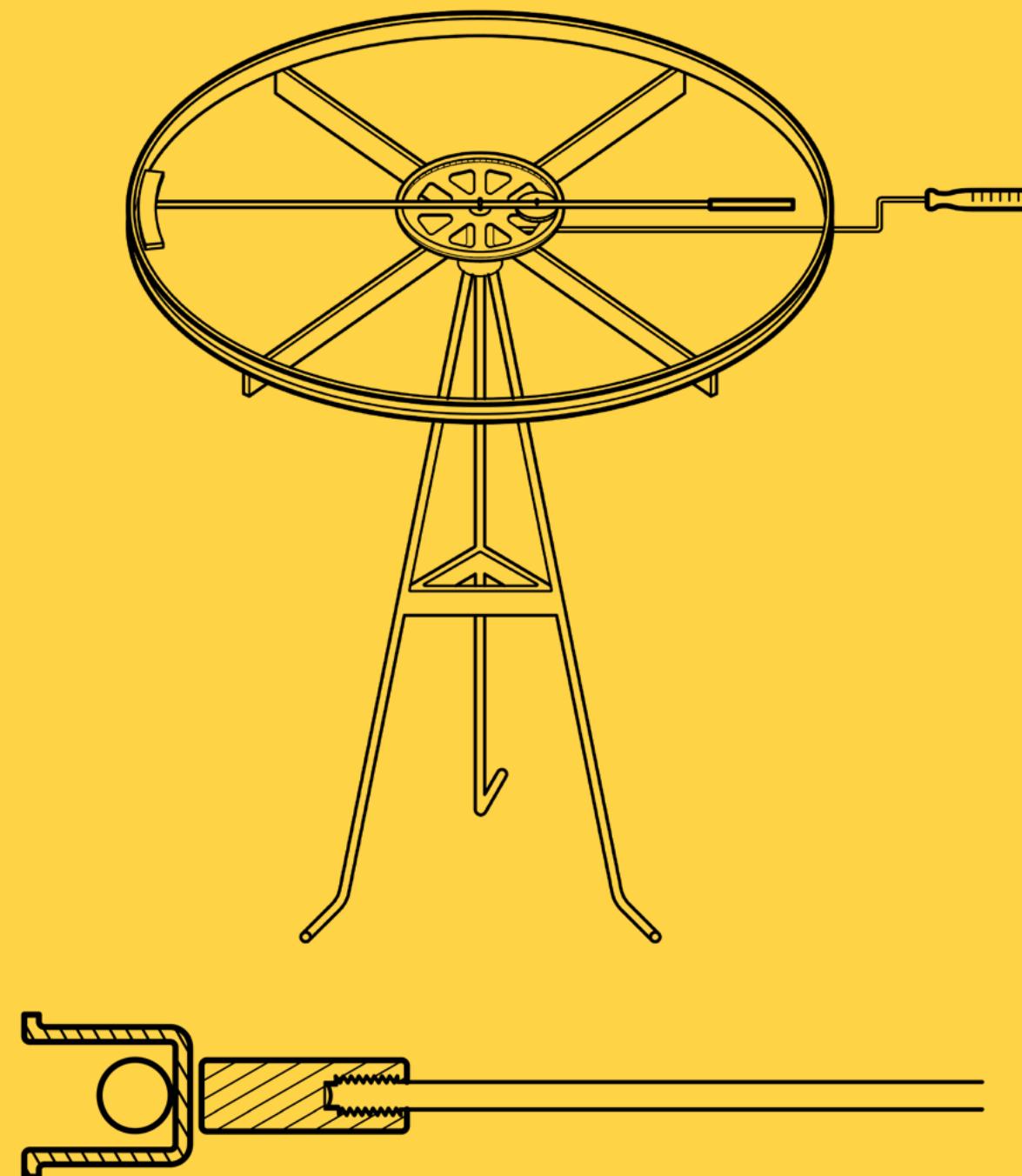
My research project focused on one of Hejduk's last works, Cathedral. I consulted the Hejduk archives at the Canadian Centre for Architecture weekly to absorb his drawings and notes from the project in pursuit of some understanding. I was granted two-hours of access to the wooden model at the CCA storage warehouse in Montreal where I performed an autopsy.

Throughout this effort, I wrote poems, documented particular aspects of Hejduk's drawings, sketches, models, and notes, and worked through my own visions of theoretical projects. I assembled these into a small green book, titled Cathedral, that collected chronology, anecdote, and observation.



# Magnetic Device

Water.etc / 2017



# BOLD

Water.etc / 2017

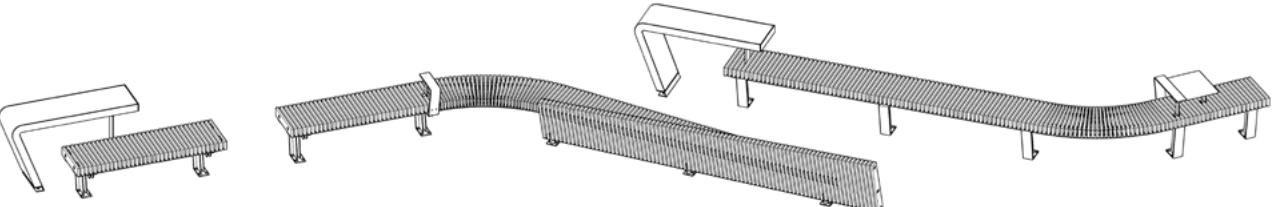
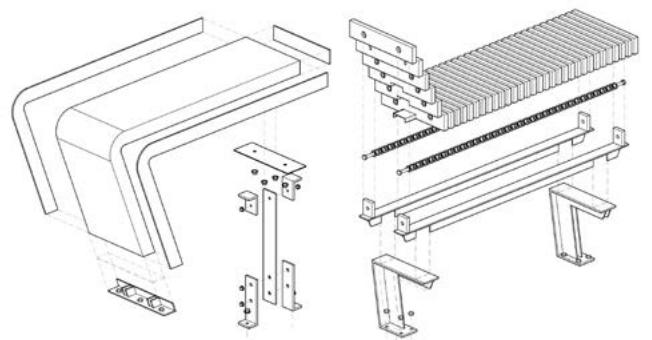
A 21st-century storefront. Vertical wood cladding facade at the heart of Leslieville in Toronto. The living wall provides contrast to the warm wood finish. Thousands of streetcar passengers pass directly in front. Confidential project.



# Providence Bridge

inFORM Studio / 2013

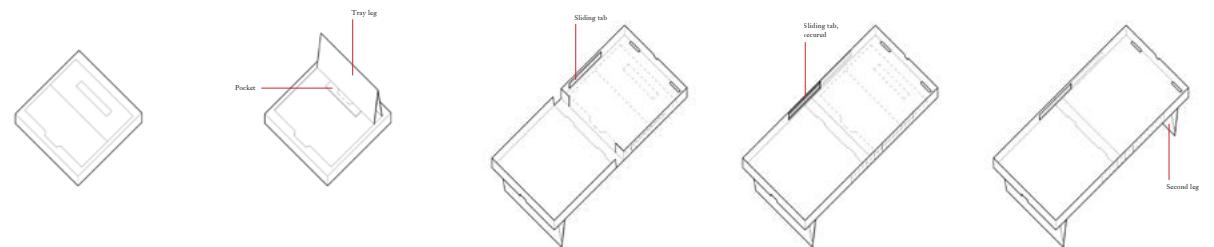
I meticulously modelled and detailed Ipe wood and steel benches for the Providence Pedestrian Bridge. Each steel leg was specifically measured across the arcing curve of the bridge surface to reduce potential for shimming. Ipe wood dimensions were tuned to the desired radius for the bench curve.



# Pizza Tray

Water, etc. + KARLxDOM / 2017

One day in 2017, I lived every designers dream and fielded a call about subcontracting for KARLxDOM to sketch-prototype a pizza tray for in-bed use. Within some months, after not hearing anything from my busy collaborators, I saw the commercial video online. Below are my original axonometric instructions.



① Here is our pizza tray in ready position.

② Fold back the first tray leg on top of the pizza box.

③ Fold over the top half and open the box!

④ Secure both sides of the box with our proprietary sliding tab on both sides.

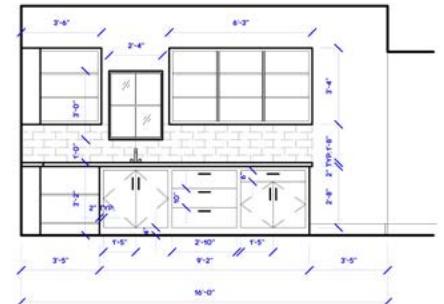
⑤ Fold back the second tray leg just like the first and enjoy your pizza tray!



# It's Supertime!

Water, etc. + KARLxDOM / 2017

It's Supertime! is a Viceland production featuring celebrity chef Matty Matheson. I collaborated on the design of the kitchen with art directors extraordinaire, KARLxDOM, including millwork drawings for the set. Theme: "Rosanne" meets "Parkdale" (Toronto).



## iHeartRadio & Nintendo

Water, etc. + Oleks Bilychuk / 2018

The Much Music Video Awards are a televised, annual red carpet music video award event held in Toronto. Oleks approached me to collaborate on this space with a quick weekend turnaround. The Lounge was a social space during the event and served as an intimate setting to conduct interviews and other content sponsored by both Nintendo and iHeart Radio.



## Titletown

Rossetti / 2015-16

Titletown is a large event space adjacent to Lambeau Field in Green Bay, Wisconsin supporting year-round programming. We developed the public space in collaboration with Design Workshop (Chicago) working on a phased project scheme with phase 1 anchors including the Ariens sledding hill building, a skating rink, and services. I was responsible for the building design development, modelling, rendering, and visualization presentations from conception to DD.



## Munhak Stadium Renovation

Rossetti / 2014-5

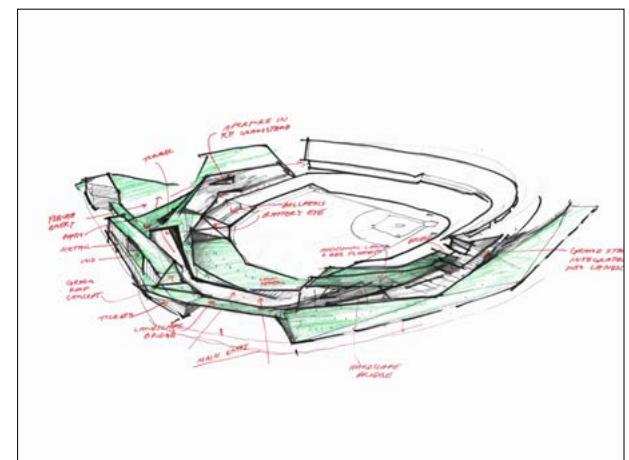
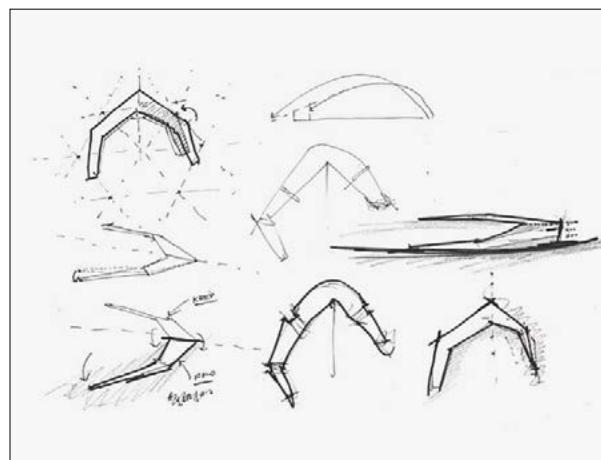
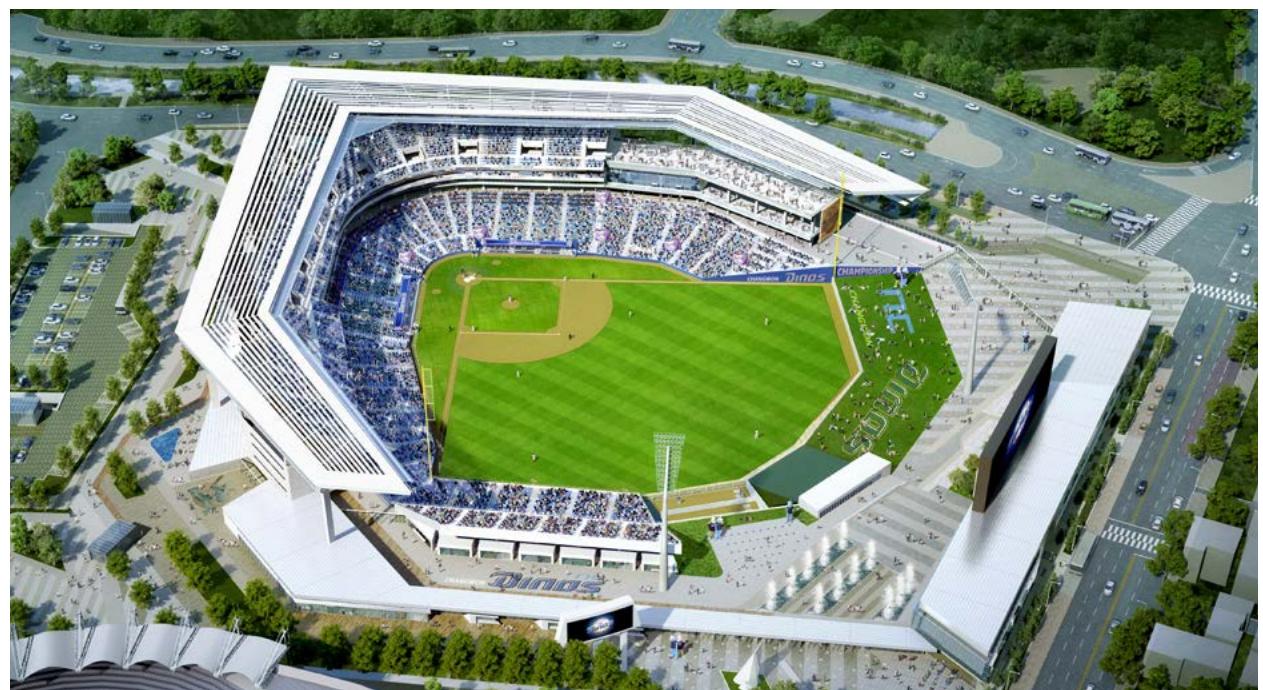
The Munhak Stadium renovation is a simple programmatic move to re-configure washrooms and concessions to allow large openings between the on-field action and the concourse. With Sunghoon Jung, we designed the Hall of Fame to provide a wayfinding and graphic backdrop for the main floor concourse. Below the lower deck, a lounge for reserve seats features two tiers of seating that have a view at ground level from behind home plate. This model has been replicated in the new Texas Rangers stadium.



## NC Dinos Proposal

Rossetti + Heerim / 2015

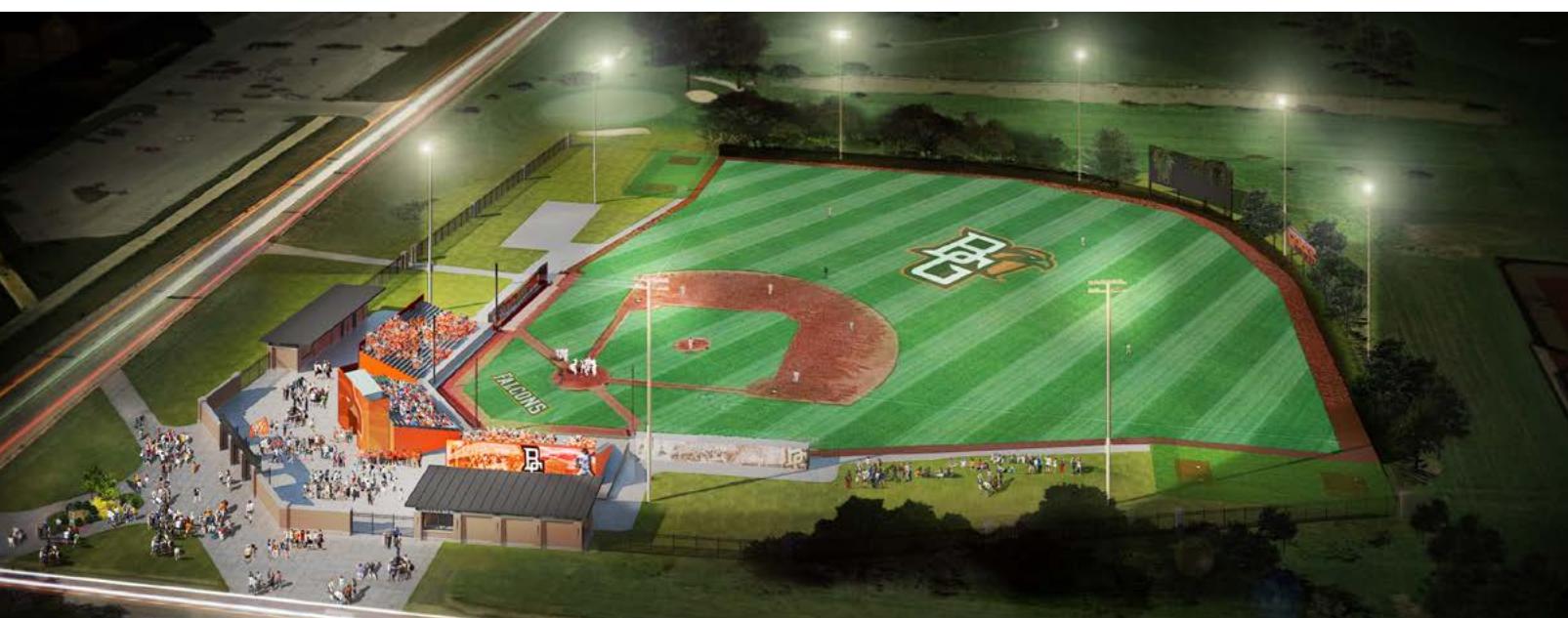
With Korean architecture firm Heerim, Rossetti led the concept and design phase for this round-the-clock competition project. We proposed an iconic urban park connected to the community. My role was R+D, overall form and site integration, as well as developing baseball-specific features and amenities. 2nd place.



## Steller Field

Rossetti / 2015

Baseball, more than its peers, carries the extreme weight of nostalgia and tradition. When designing the identity for Steller Field at BGSU, I considered how history could be played out in the most contemporary way possible while limited in scope.



## 826 Detroit

LAAVU / 2015

826 is a non-profit dedicated to improving literacy in children and youth. It provides programming opportunities for schools with a small retail footprint. Building upon the success of 826 Robot Supply located in Ann Arbor, Detroit was chosen as the site of the 826 Robot Factory located in two-storey commercial structure in Eastern Market. This visualization was a collaboration with Noah Resnick, providing a vision for local fundraising and promotional campaigns.



# Rivereast

Rossetti / 2014-15

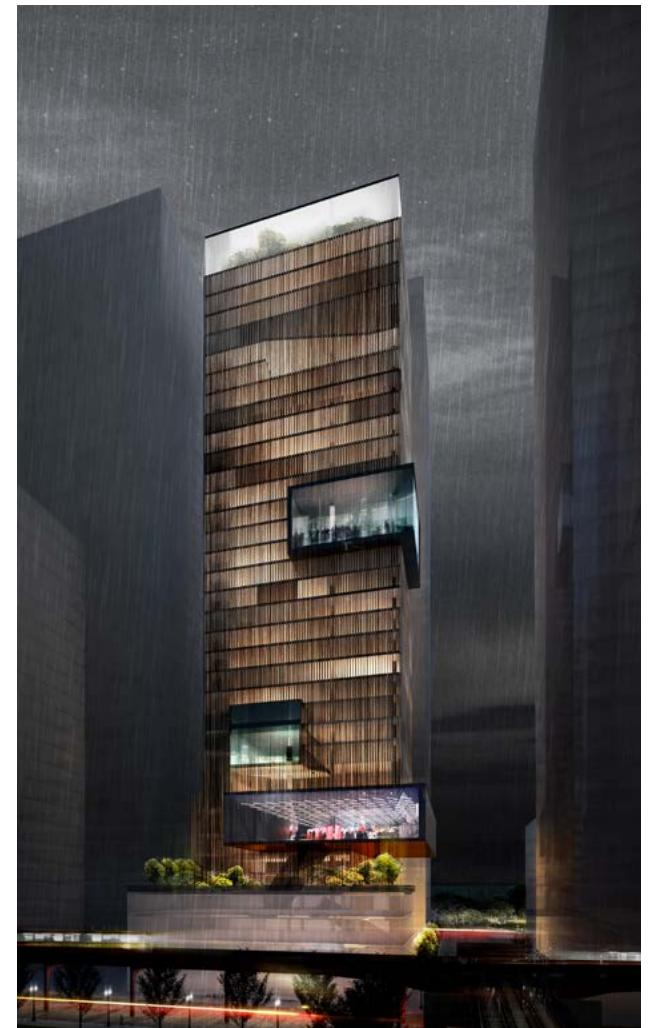
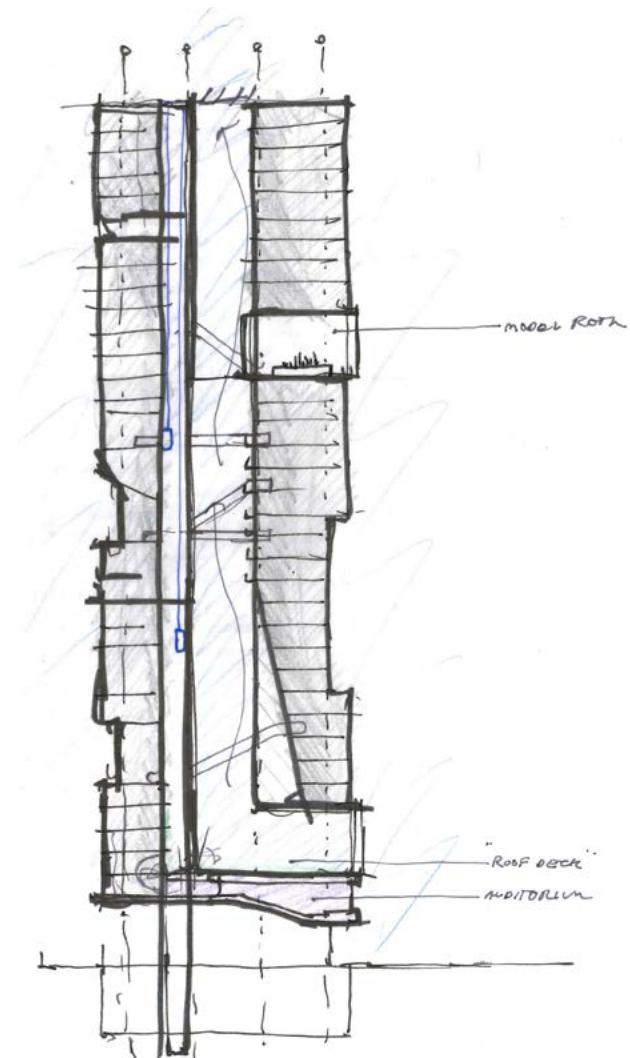
Confidential urban design project to create a new neighborhood on Detroit's post-industrial riverfront.  
Renderings by Thomas Provost.



# ARC.HQ

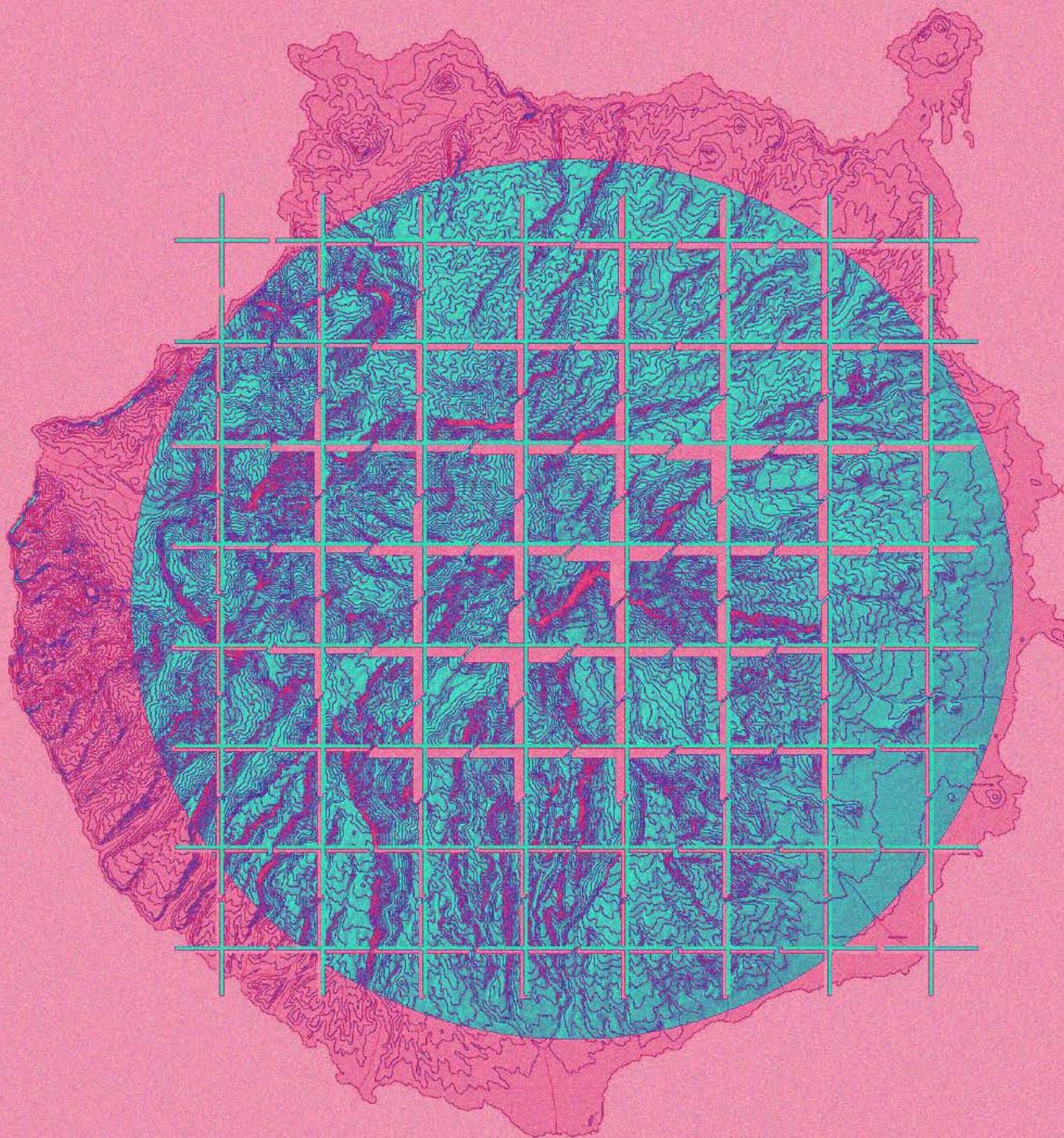
Rossetti / 2015

This project was a finalist in the Chicago Biennial Design Competition featuring a jury of David Adjaye, Monica Ponce de Leon, Stanley Tigerman, and Billie Tsien. Built upon the ghost of Mies, ARC.HQ is at once subtle and dramatic; tuned with restraint and clarity familiar to Chicago, while exercising the spectacular. Rendering by Tony Giacco and Thomas Provost.



## Isla/Eclipse

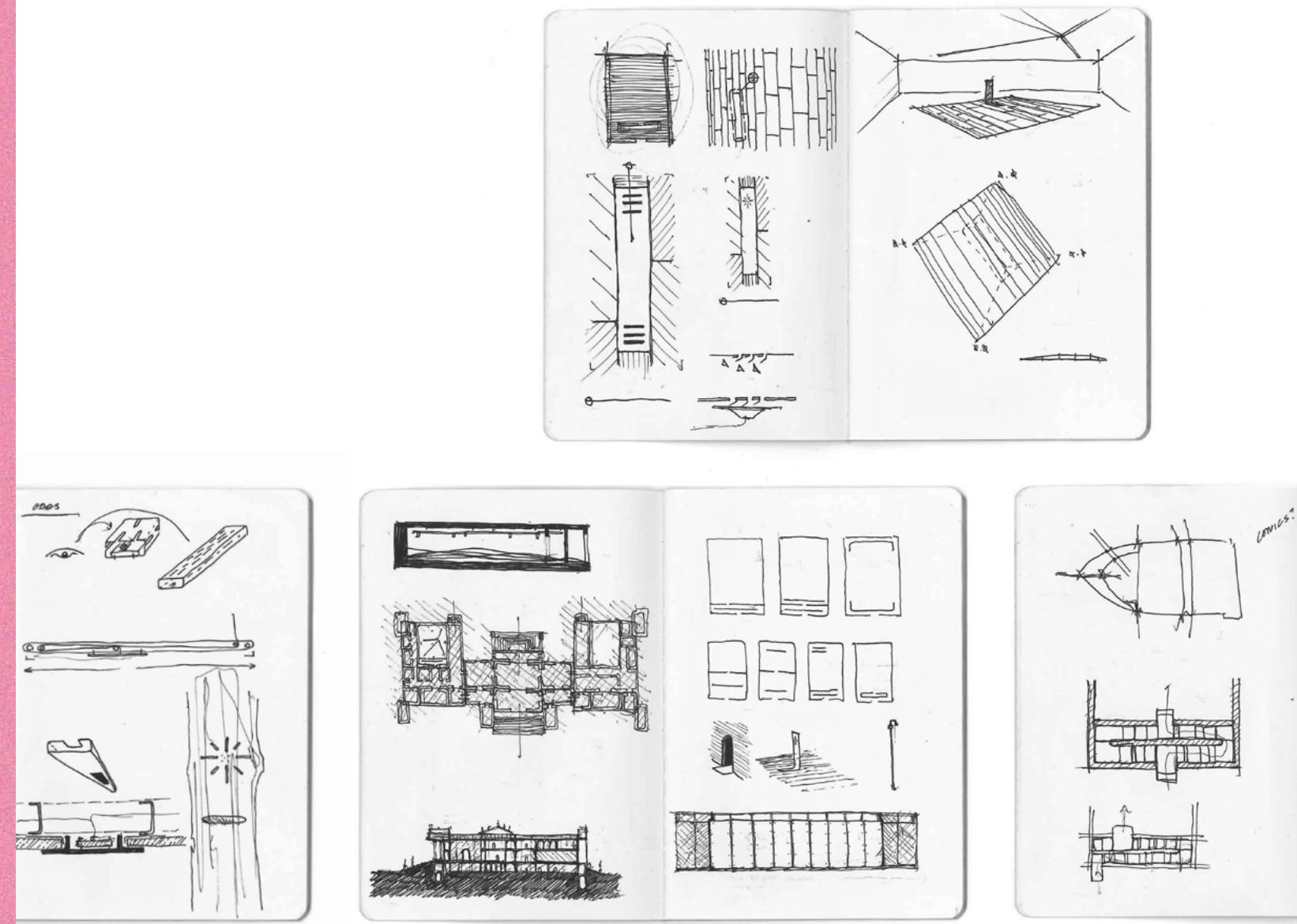
Water, etc. / 2014



## Exhibit A

Water, etc. / 2014

Sensorial installation for a large dark, baroque room.  
Drawings show light fixtures, hidden sounds, labyrinth  
entry sequence, and folded steel island platforms.



# Atlas of Epic Proportions

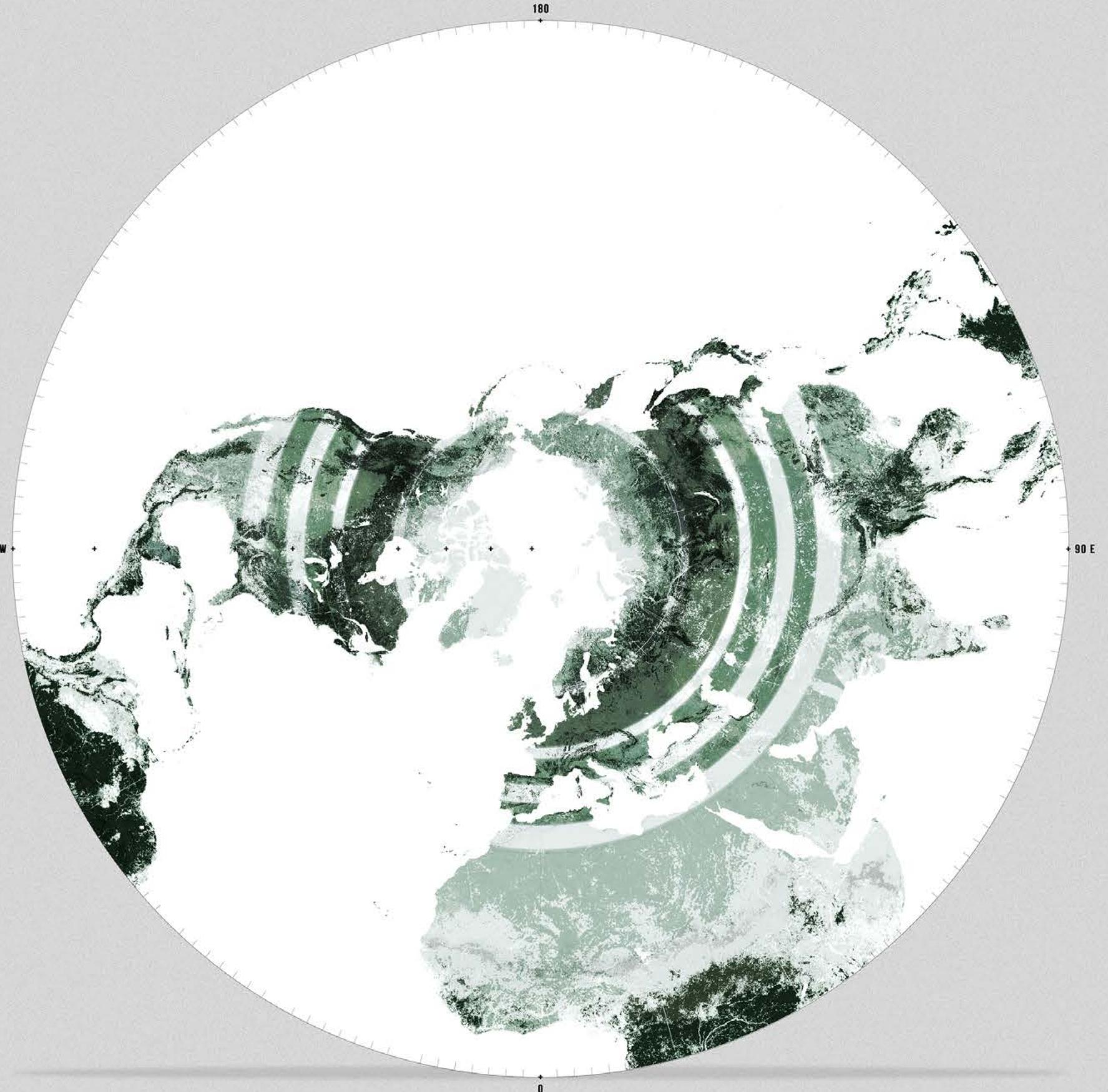
UDM SACD / 2013

This Atlas contains drawings for projects at the scale of the Earth; enigmatic traces of humanity in the spirit of the Anthropocene. This portfolio shows the following:

- 1) Northern Hemisphere Republic
- 2) Antipodes
- 3) Infinity Columbarium
- 4) Lake Erie Device
- 5) Rewilding Structures
- 6) Moon, 4000 CE

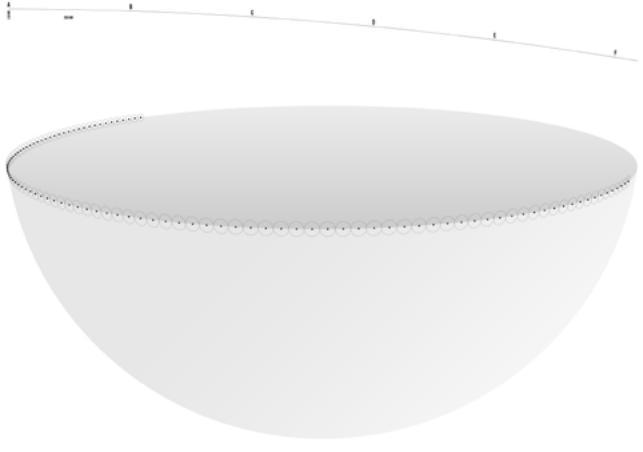
"Wow!"  
- Reed Kroloff, 2013

"I bet you don't have a lot of friends"  
- Theaster Gates, 2012



## Northern Hemisphere Republic

Plan for a geopolitical state limiting continuous urbanism between specific latitudes, contrasted by re-wilding zones. The polar inhabitation of the Northern hemisphere projects an image of Earth as striking as the blue dot.

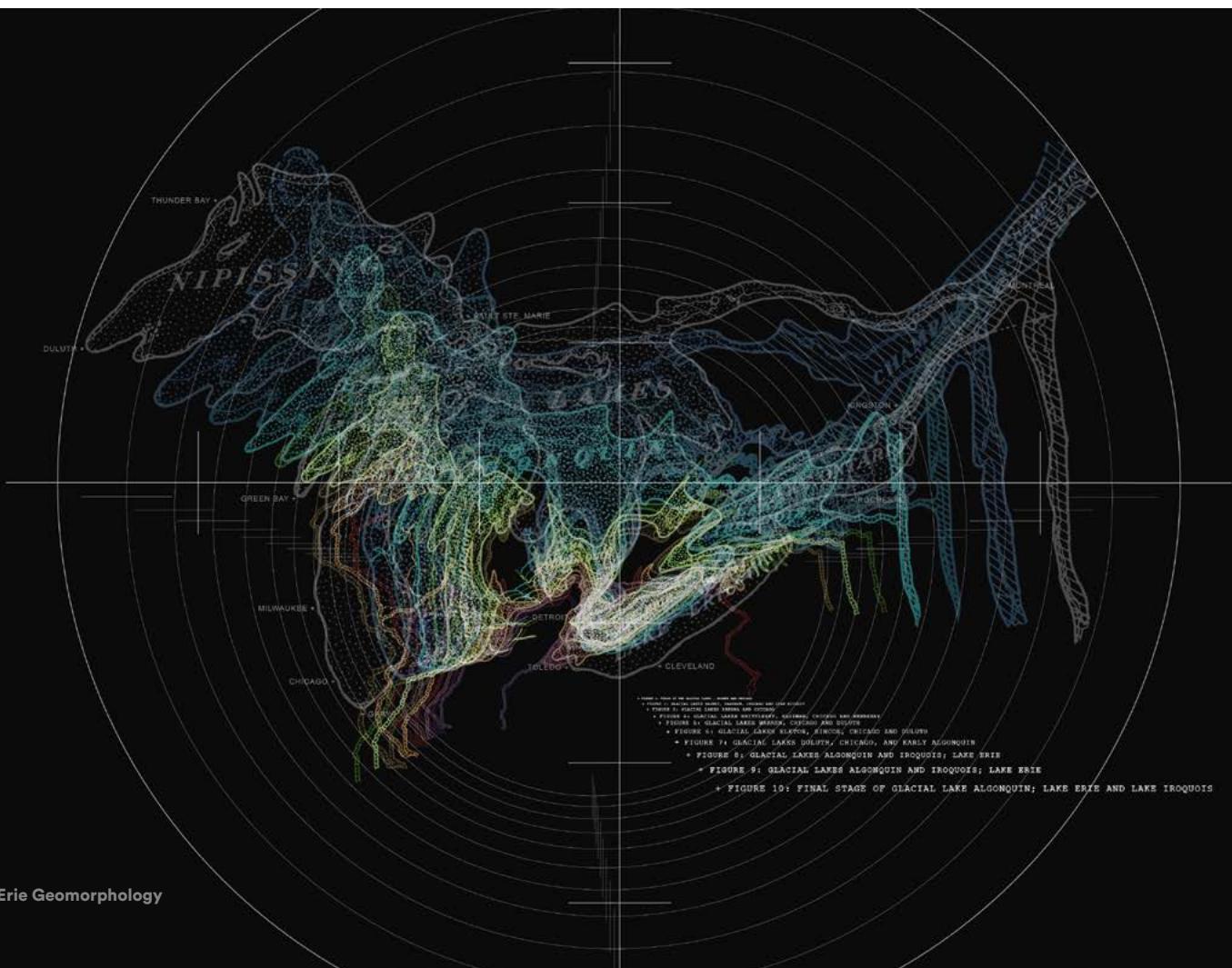


#### Antipodes

100 towers dot a straight line from Jakarta to Bogota, two of the world's largest cities on opposite sides of the Earth. The towers are 800m tall and can see the horizon 100km in the distance. By positioning the towers 200km apart, each tower is visibly connected to its adjacent tower across the horizon. It forms a geometric relationship around the Earth that demarcates a fixed moment in geological history at the scale of humankind. As pangaea reunites, the geometry will succumb to forces greater than our own. Jakarta (top) and Bogota (bottom) perspectives.



Infinity Columbarium



Rewilding Structure

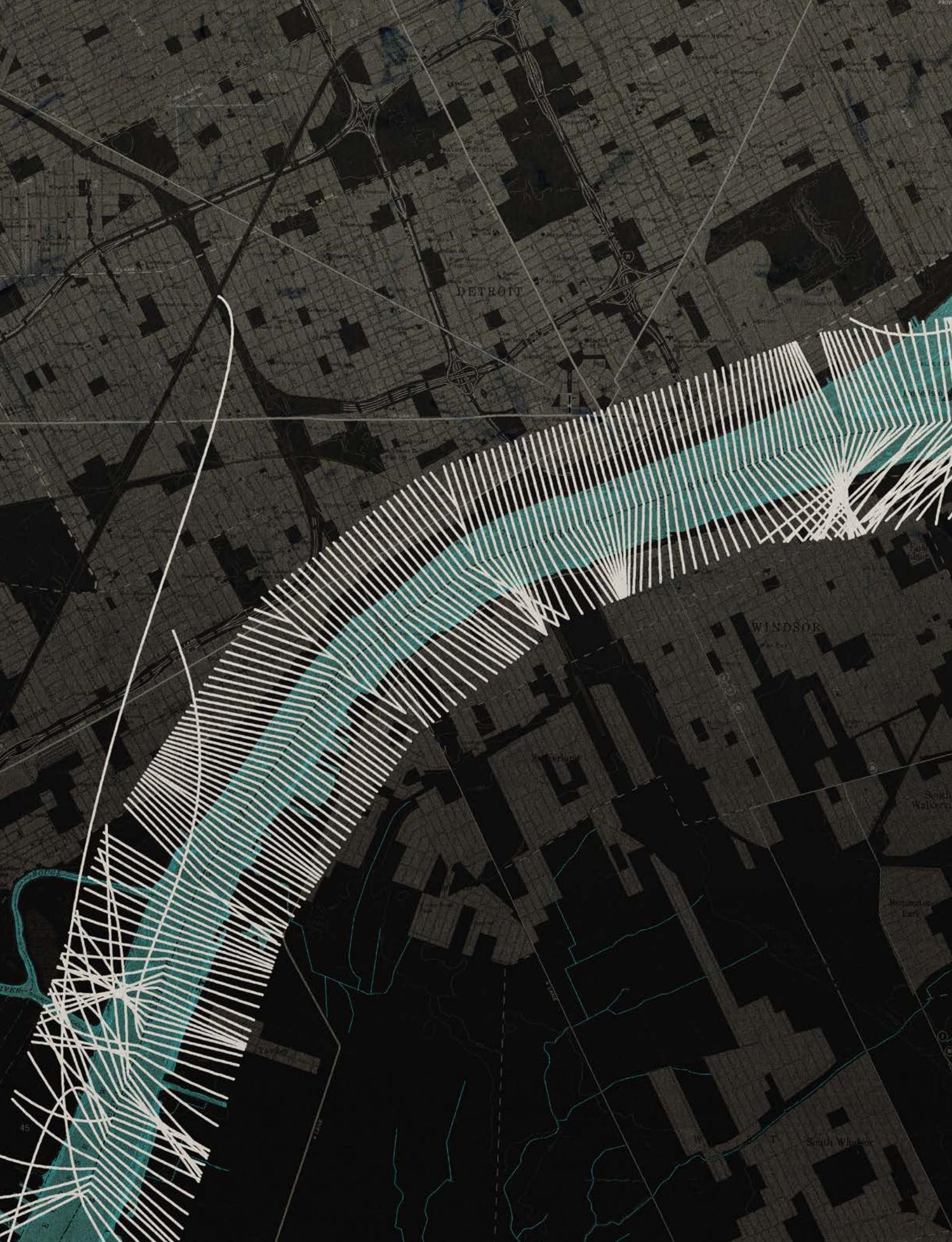
Temporary structures are allowed in rewilding zones. Structures must be deployable and attach to existing foundations. Scottish dry stone is depicted right.



# 707PX

Water/etc / 2011+

My plan for 707 pedestrian border crossings between Windsor and Detroit was initially a collaboration with artist collective Broken City Lab, who were working on "How to Forget the Border Completely" through a number of commissioned projects. My first iteration was a series of tunnels and tubes woven beneath the Detroit River. Over time, as published in BCL's book of the same name, and then as an article in the journal Dichotomy 18, 707PX deconstructs the shape of the river's edge and reorients it using the geopolitical border as a datum, provoking convention and history. This project would instigate my Lake Erie Device.



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