

MATT HAGEN

ifProjects.ca

PORTFOLIO

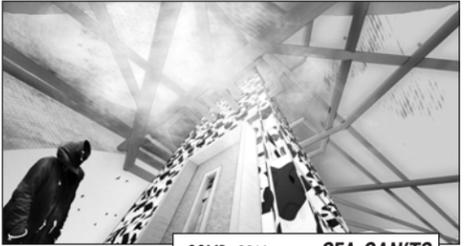
2012 - 2019

Architecture & other various design work from:

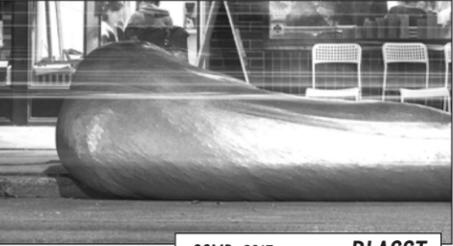
B.Env.D 2012-2015, M.Arch 2015-2017, professional practice 2017-2019



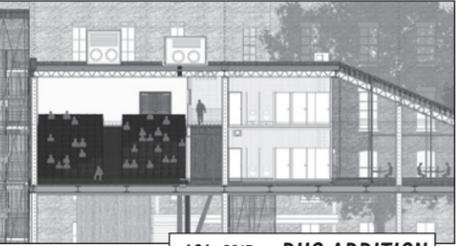
COMP_2013/14 **SKYBOX**
P.4



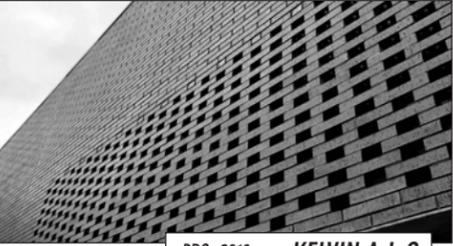
COMP_2016 **SEA CAN'TS**
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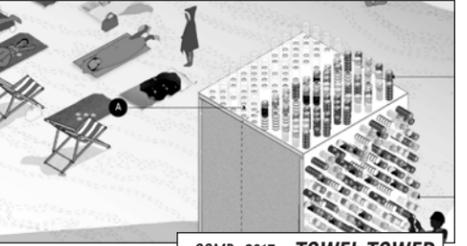
COMP_2017 **BLASST**
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COMP_2018 **MOIST CLUB**
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ACA_2017 **CCA PAVILION**
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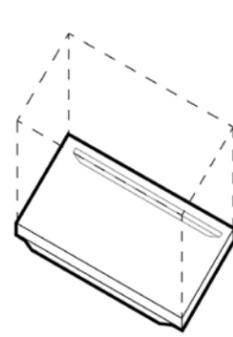
ACA_2017 **OTHER ARCH.**
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LEGEND

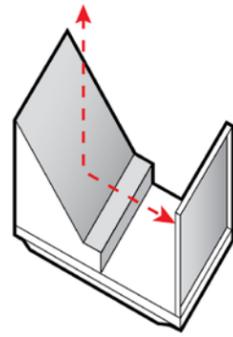
year

COMP_2013/14 **SKYBOX**
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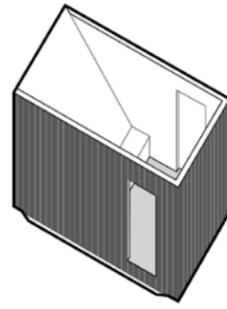
Academic/Competition/Professional project title page number



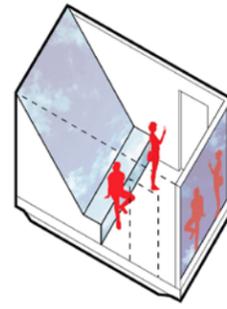
ICE-GLIDING SKID
8' x 14' constraints



MIRRORS
angled + vertical



CLADDING
wood + rubber floor



ACTIVATED
citizens' sky images



Exterior photograph of Skybox during a busy day on the frozen river trail.

SKYBOX

WARMING HUTS COMPETITION
THE FORKS SKATING TRAIL

FALL 2013
Winnipeg, Manitoba

MATT HAGEN w/ Ryan Lewis & Evan Taylor
role: Design development, concept drawings, construction, media & press.

PROJECT BRIEF: The Forks Market in Winnipeg hosts an annual international architecture competition for the design & construction of shelters along its "World's longest skating trail". Along with international submissions, a University of Manitoba competition is held, providing students an opportunity to gain first-hand experience in construction drawings, fabrication, and media/press. The competition calls for 8'x14' pavilions that provide a space of rest for skaters along the trail.

DESCRIPTION

Recognizing the sublime qualities of the Canadian prairie winter skies, we aimed to create a pavilion that engages and connects the 300,000+ visitors that experience the river trail during the winter season.

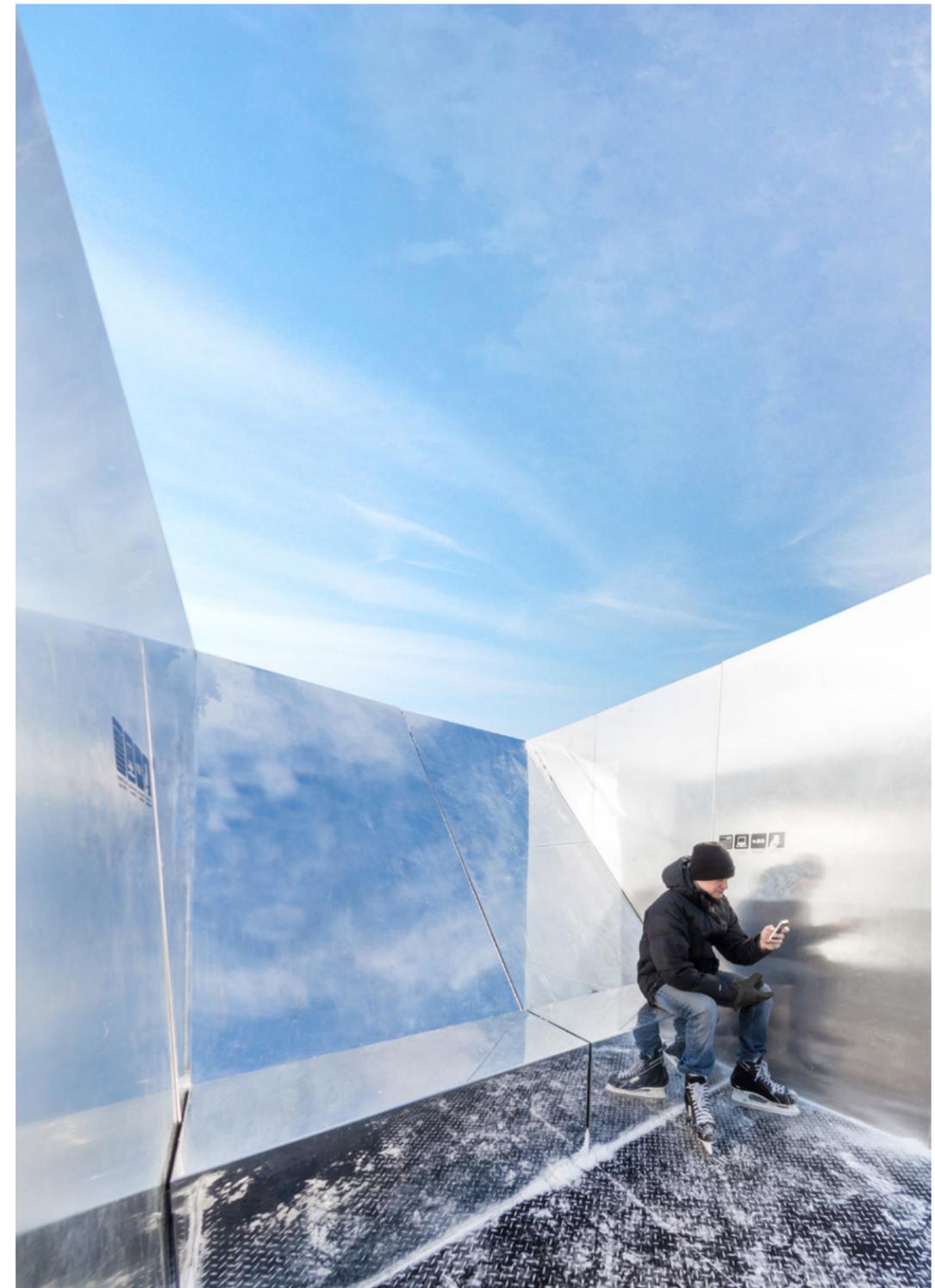
Through the use of mirrored aluminum set at a 45-degree angle, the sky is reflected into the space, creating a unique prairie-sky photo opportunity.

The angled plane of polished aluminum is folded to form a bench which runs the full width of the pavilion. A mirrored vertical plane stands opposite of the reflected sky, allowing visitors to see their reflection sitting amongst the clouds. A blackened cedar exterior contrasts the light-filled interior, concealing a visual surprise along the frozen river trail.

Visitors are encouraged to upload their Skybox images through social media, recording the ever-changing prairie skies to a publicly accessible digital archive.

The pavilion's size was limited to the 8'x14' prefabricated steel skid which allows it to glide along the frozen river. Winnipeg's winter temperatures can drop below -50°C (-58°F), and to reduce time outdoors, Skybox was constructed in prefabricated 4'x8' modules in small workshop.

In 2014, Skybox was featured at the Winnipeg Art Gallery where it collected a unique batch of summer sky-selfies.



Top: Interior photograph of Skybox on the frozen river trail.

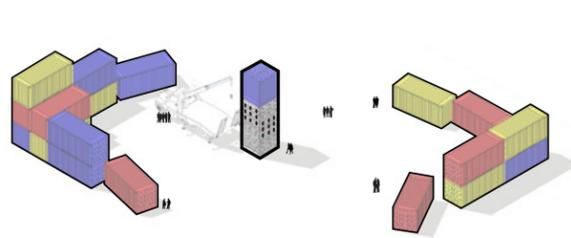
Bottom Left: Framing the angled plane.

Bottom Middle: Polished aluminum protected and fastened to framing.

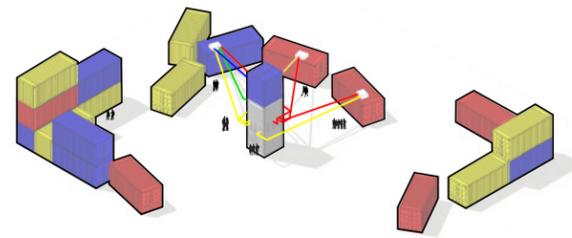
Bottom Right: Blackening the exterior cedar using the Shou Sugi Ban technique.



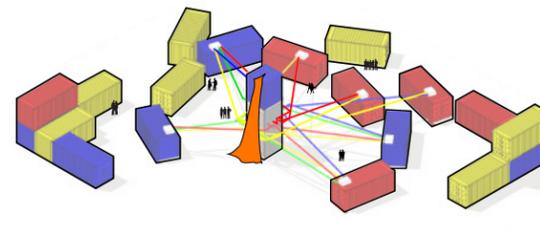
A collection of Skybox photos from the 2014 winter and summer seasons.



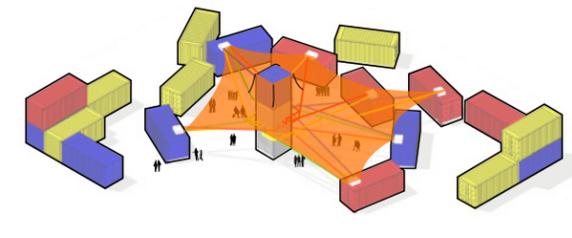
STAGE 1
Cover Plant erected on site.



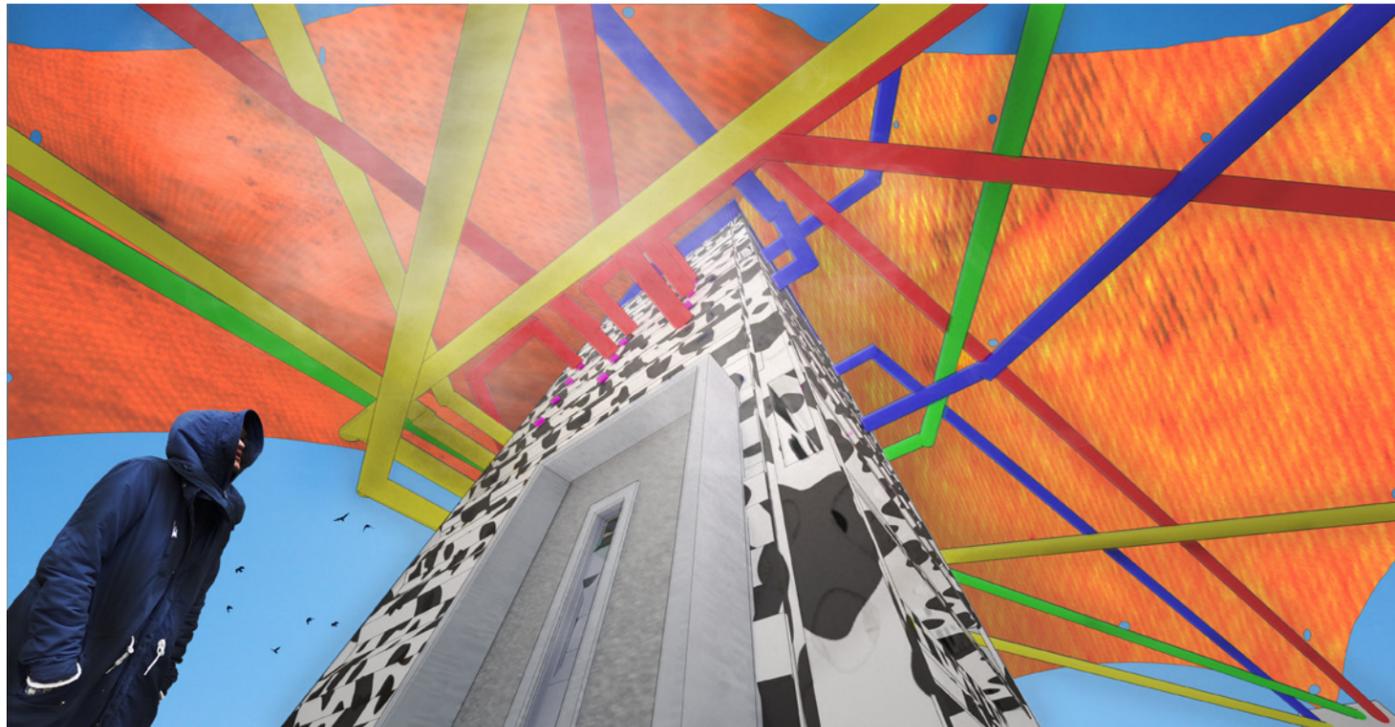
STAGE 2
First units adapted and attached to grid.



STAGE 3
Community grows, facilities are added.



STAGE 4+
Communal space + canopy activated by urban arrangement.



Top: Looking up at Cower Plant, with communal canopy.

Left to Right:
1. Abandoned sea cans along northern waterfront.
2. Residents re-purpose containers to their liking, while learning construction skills and fostering community.
3. A container is hooked up to the central utility core to receive services as required by its user.
4. Containers arranged beneath the canopy and retrofitted with doors and windows.

SEA CAN('T)S

ENACTUS CANADA
SEA CANS COMPETITION

WINTER 2016
Iqaluit, Nunavut

MATT HAGEN w/ Rafaela Ahsan, Peter Doan, & Evan Taylor
role: Design development, concept drawings.

PROJECT BRIEF: A collaborative architecture & engineering competition to design a halfway-housing complex in Iqaluit, Nunavut using shipping containers (questionable). Teams were tasked to create a modular, adaptable form of housing that can grow with the community. In addition to housing, the proposal should include space for retail, housing, bathrooms, workshops, and social gatherings.

DESCRIPTION

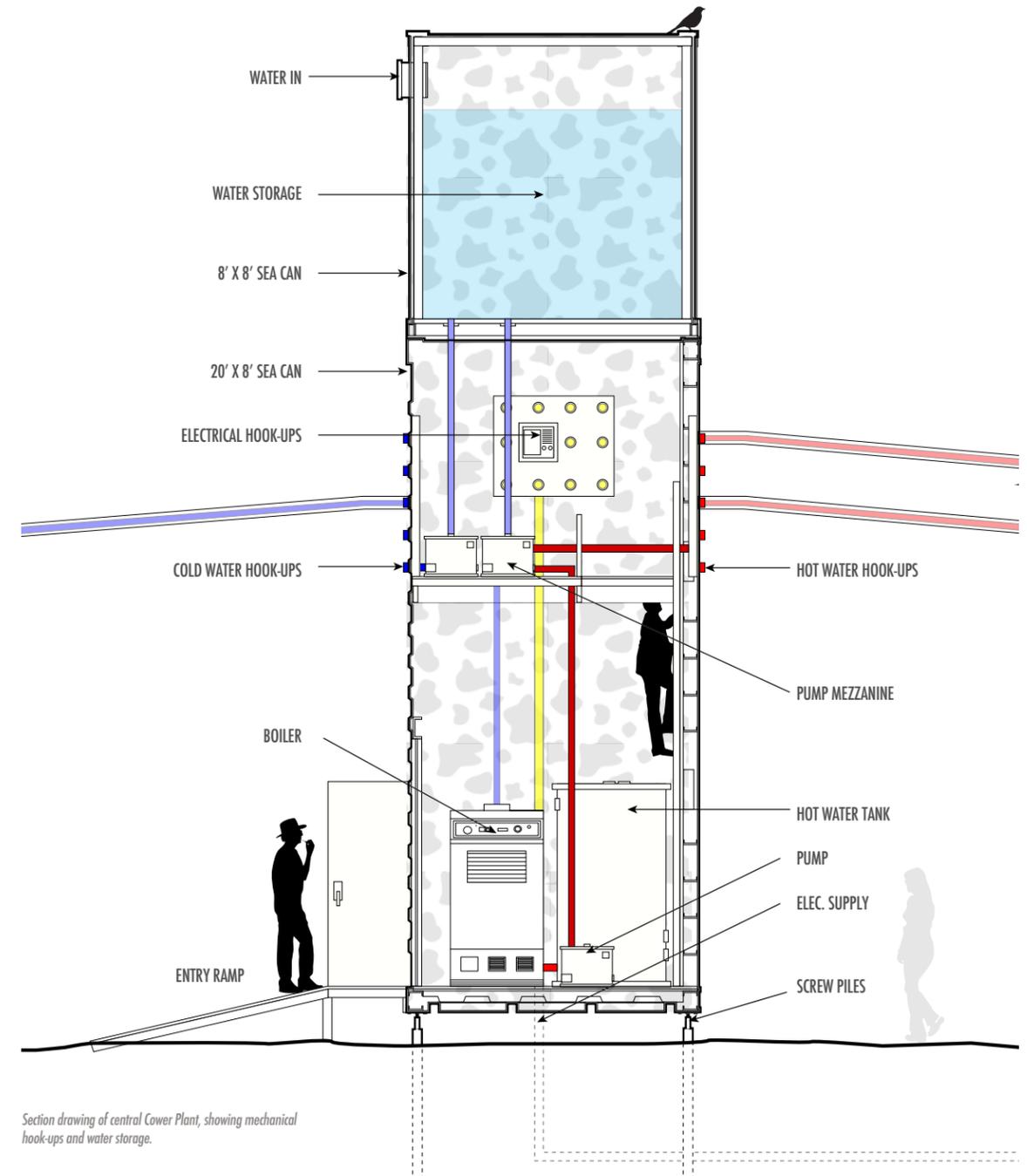
The Sea Can('t)s project is an expandable framework of development, which becomes unique to its specific site - wherever that may be - and capable of growth dependable on its internal success.

Using the motif of a universally known life-giver, the *Cower Plant* is first erected on-site, housing the sources of heating/cooling, water, and electricity for the new development. The central *Cower Plant* has a four-sided grid of ports allowing for incoming program - various degrees of insulated shipping containers - to latch on to, giving them life. As the containers feed from the central core, their systems create a colorful web of insulated pipes, eventually becoming the scaffold for a central shared canopy.

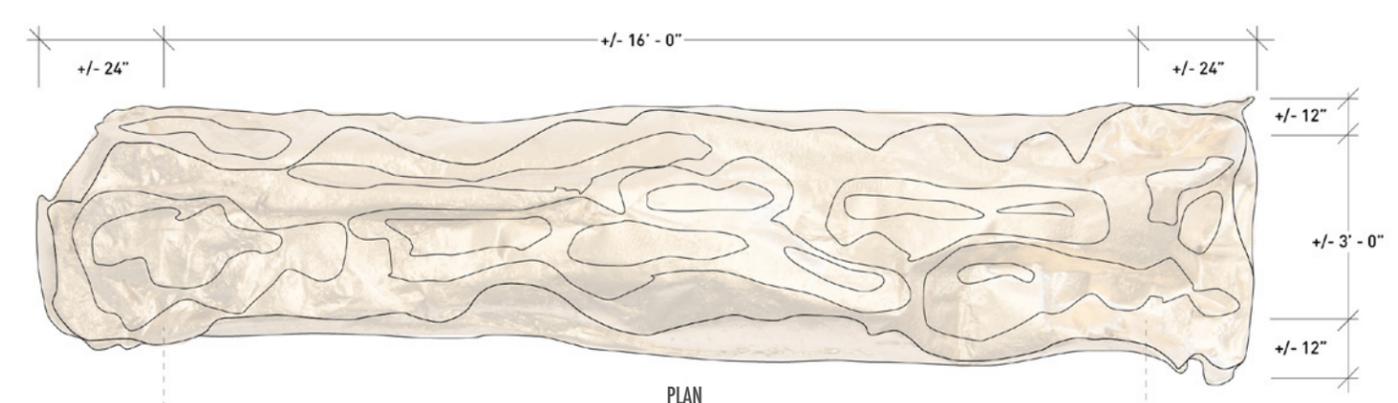
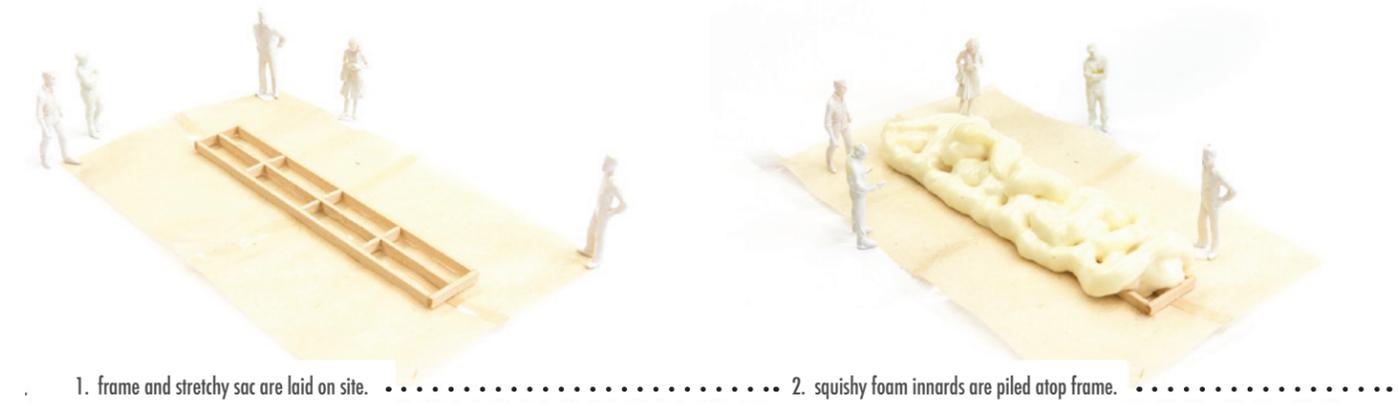
The proposed adaptable system allows inhabitants to learn transferable skills, social empowerment, and democratic community

building through the participatory construction of individual and communal units.

The project's framework outlines ways in which various containers might be outfitted for various programs, be situated relatively to one another, and come together in communal living situations. For a culture which is historically rooted in family, communal work and play, contemporary tools for living must be made relevant to their lifestyles.



Section drawing of central Cower Plant, showing mechanical hook-ups and water storage.



BLASST

STUFF GROUP SUMMER 2017
"THE BENCH" INTERNATIONAL COMPETITION Winnipeg, Manitoba

MATT HAGEN w/Evan Taylor
role: Design development, concept drawings, competition proposal.

PROJECT BRIEF: The competition's goal was to promote the street as a public space through a designed seating-surface. Designers were required to design a bench that can engage and transform the dynamics on the street. The bench must function as public seating with minimum of 12 seating space-surfaces. The proposal must be low-budget and easily constructable.

DESCRIPTION

This project was informed by the theory that we cannot predict how a bench will be used, but we can predict how it may be constructed.

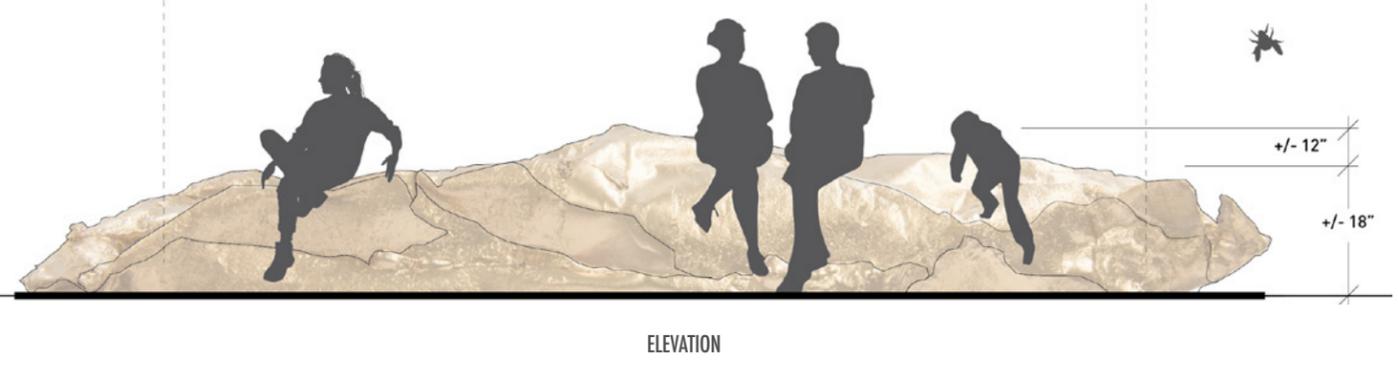
There are unlimited sizes, shapes and preferences of the streetscape. This bench is made for the streetscape, by the streetscape.

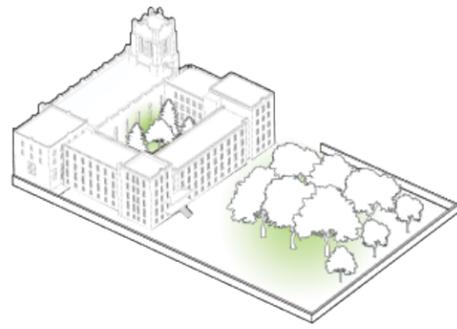
BLASST is a bench formed by the cross-collaboration of builders, citizen booties, and squishy foam - creating a frothy gold nugget for the public to rest upon.

The bench's gold colour is a playful reference to its context - the iconic five-metre tall "Golden Boy" statue is located just a few blocks away.

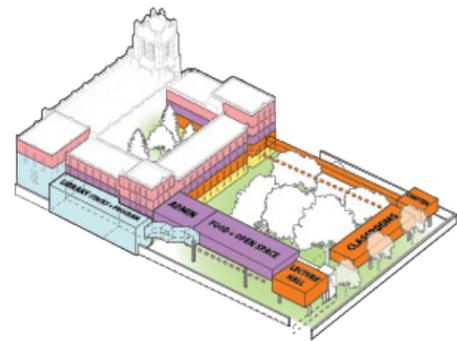
BLASST is the third installment in a series of "ass" themed benches, which embrace the users' bodies to mould their sitting surfaces.

Top Drawing: "GRASST" bench - a fertilized sac of sod.
Bottom Drawing: "CASST" bench - a solidified mound of cement.

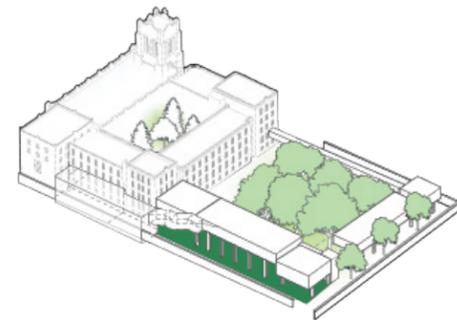




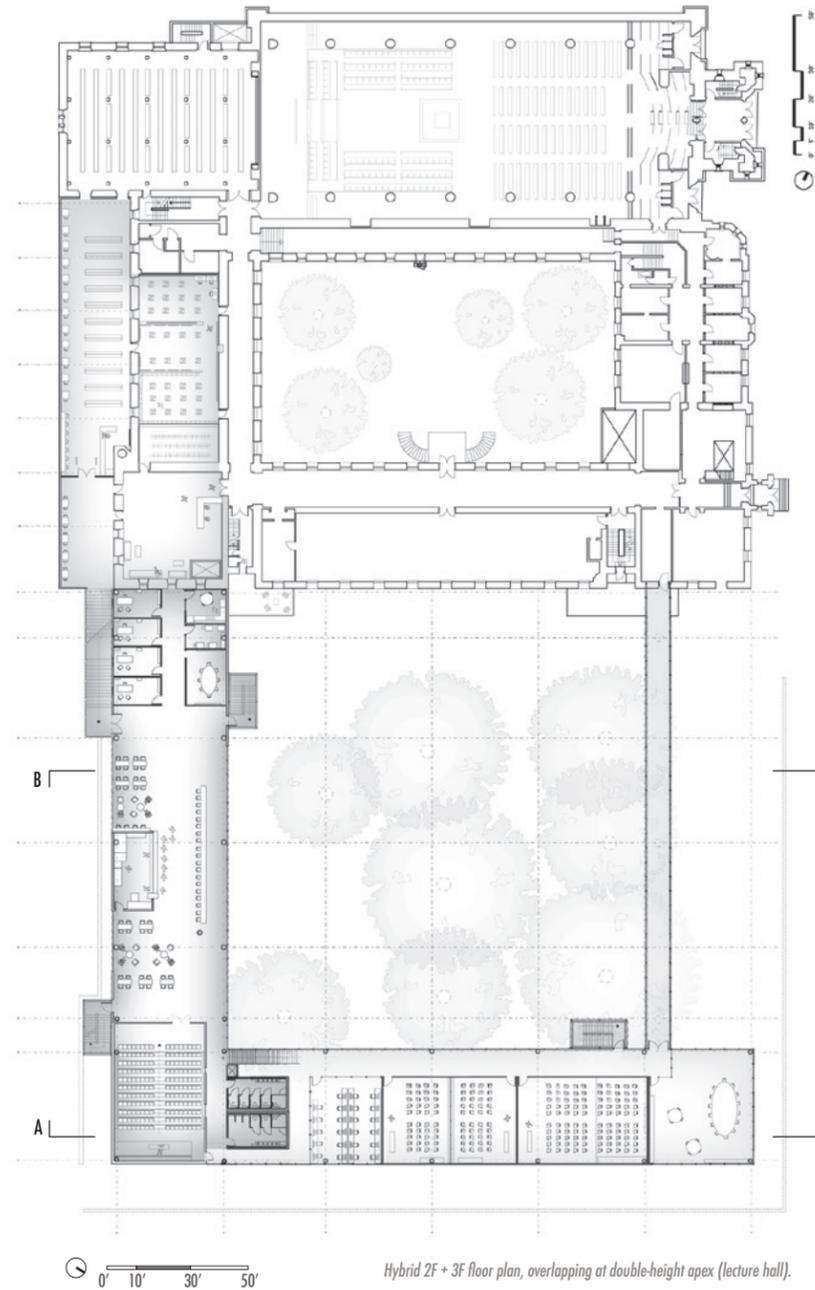
COURTYARD + GARDEN
retain open spaces for public + ecology



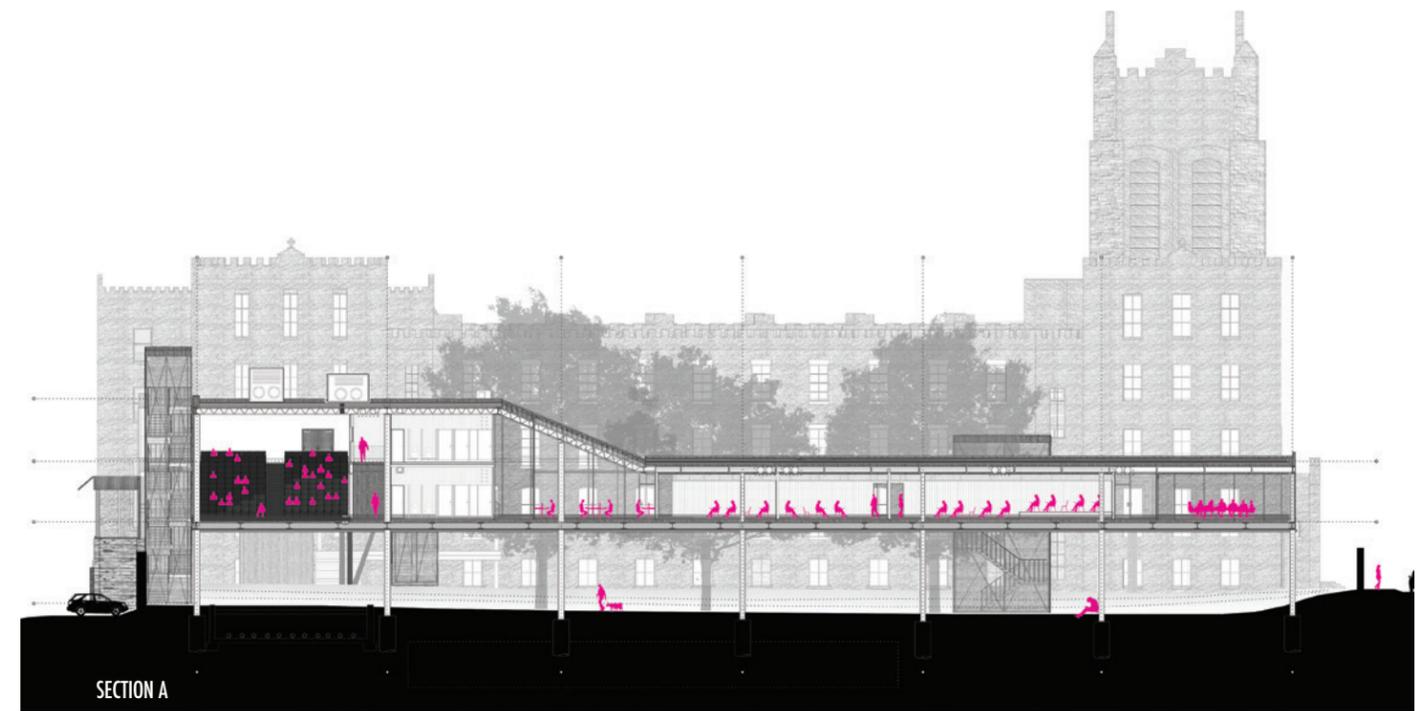
COMPLETED CIRCUIT
stroll through the treetops, privacy above + below



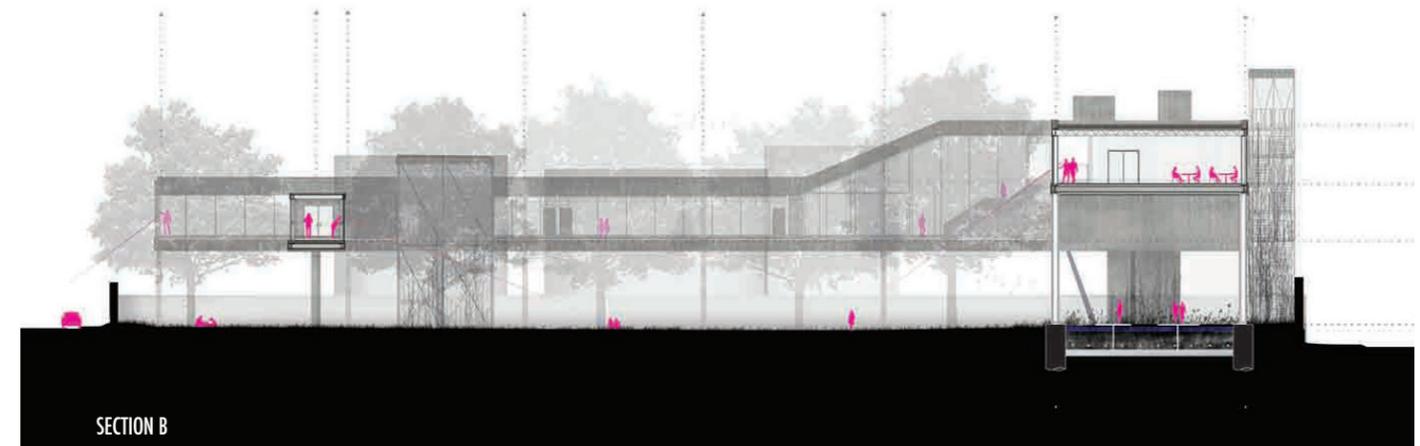
RE-ACTIVATE DISTURBED ECOLOGY
new wetland for water filtration below



Hybrid 2F + 3F floor plan, overlapping at double-height apex (lecture hall).



Section drawing showing the double height lecture hall (left), classrooms, and fully-glazed board room (right) facing the public street - allowing the Dominican Fathers to preach to the passersby.



Section drawing showing the relationship between the strolling bridge (left) and cafeteria (right) perched high above a new wetland for filtering the school's greywater.

DOMINICAN UNIVERSITY COLLEGE ADDITION

CARLETON UNIVERSITY FALL 2016
M.ARCH STUDIO 1 Ottawa, Ontario

MATT HAGEN
role: Site research, design, drawings, modelling, renderings.

PROJECT BRIEF: To expand and consolidate the existing campus of the Dominican University College in Ottawa, Ontario, Canada.

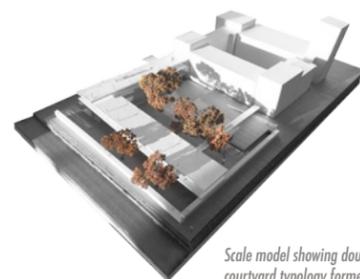
To add 25,000+ sq.ft. of program, including: classrooms, auditorium, computer lab, cafeteria, library expansion, and rare books - while maintaining the DUC's privacy as a place of worship and scholarship.

DESCRIPTION

The existing three-storey Dominican University College sits adjacent to a walled garden full of tall, old-growth trees. The DUC is organized around a traditional "cloister" corridor which has an interior courtyard on one side and classrooms on the other.

The proposal is an extension perched high above the garden, creating a double-courtyard building. This new outdoor courtyard space can act as a "quad" for the campus. The addition is supported by long pilotis to preserve the garden below, only touching the ground where necessary. The addition also references the single-loaded corridor typology of DUC and provides a strolling bridge for ritual and meditation.

The elevated two-storey addition contains classrooms, an auditorium, and a fully-glazed board room which faces the public street.



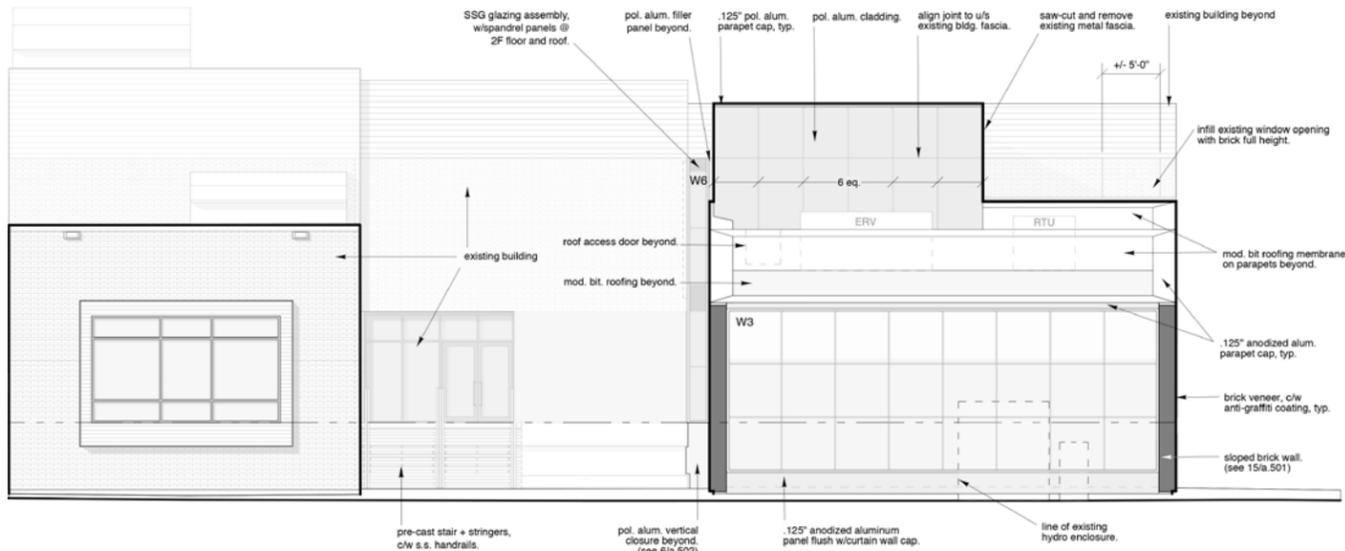
Scale model showing double courtyard typology formed by the new addition.



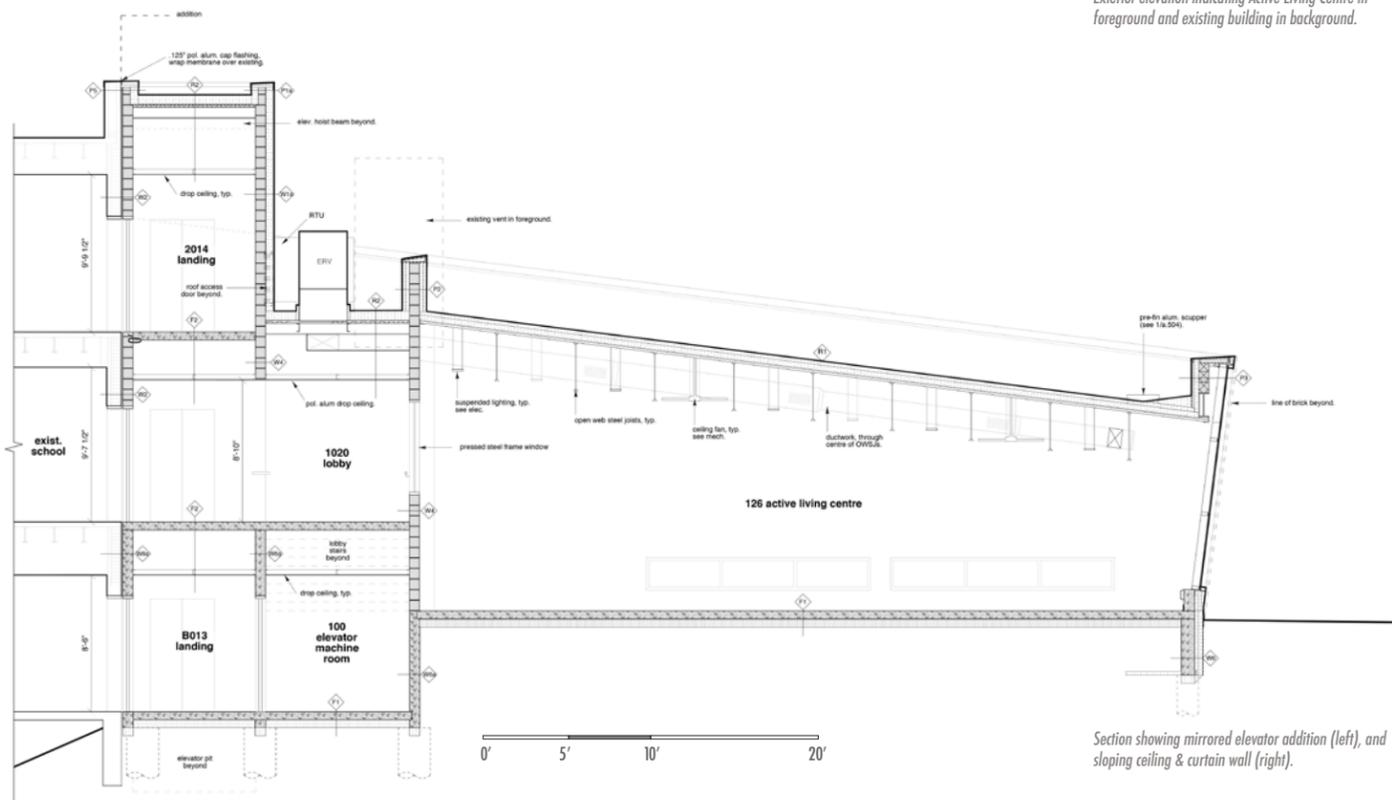
Exterior rendering of new "Quad" space formed by the new courtyard form.



Rendering below the addition; the new wetland landscape is used for meditation and water filtration.



Curtain wall elevation slopes away from the roots of the existing tree on site.



Exterior elevation indicating Active Living Centre in foreground and existing building in background.

Section showing mirrored elevator addition (left), and sloping ceiling & curtain wall (right).



Low strip windows: provide glimpses of running feet on the treadmills & reference the existing building's basement clerestory windows.

Elevator addition: polished aluminum cladding reflects the prairie skies.

ACTIVE LIVING CENTRE ADDITION

KELVIN HIGH SCHOOL
WINNIPEG SCHOOL DIVISION

COMPLETED 2019
Winnipeg, Manitoba

DAVID PENNER ARCHITECT w/H5 Architecture
role: Design, Drafting (SD - CD), Consultant Coordination, Construction Admin.

PROJECT BRIEF: Kelvin High School required a new flexible space for fitness activities, weight lifting, and extended physical education curriculum. In addition to the active living facility, the school was in need of an elevator addition which made the existing three-storey school fully accessible.

The existing school was constructed in 1964.

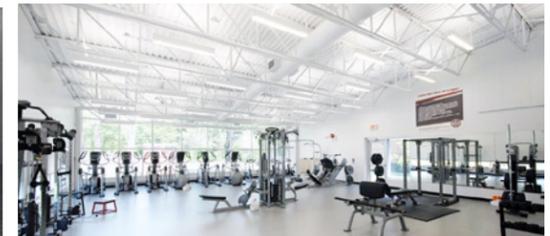
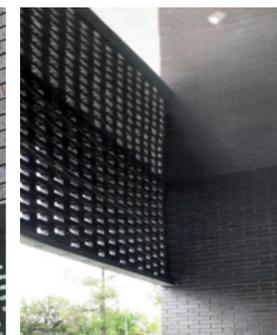
DESCRIPTION

This project is a 2400 square-foot active living centre and elevator addition to an existing high school.

While at David Penner Architect, I was involved with the project from schematic design through to construction administration in the winter of 2017. The project team included 2 designers and a principal Architect.

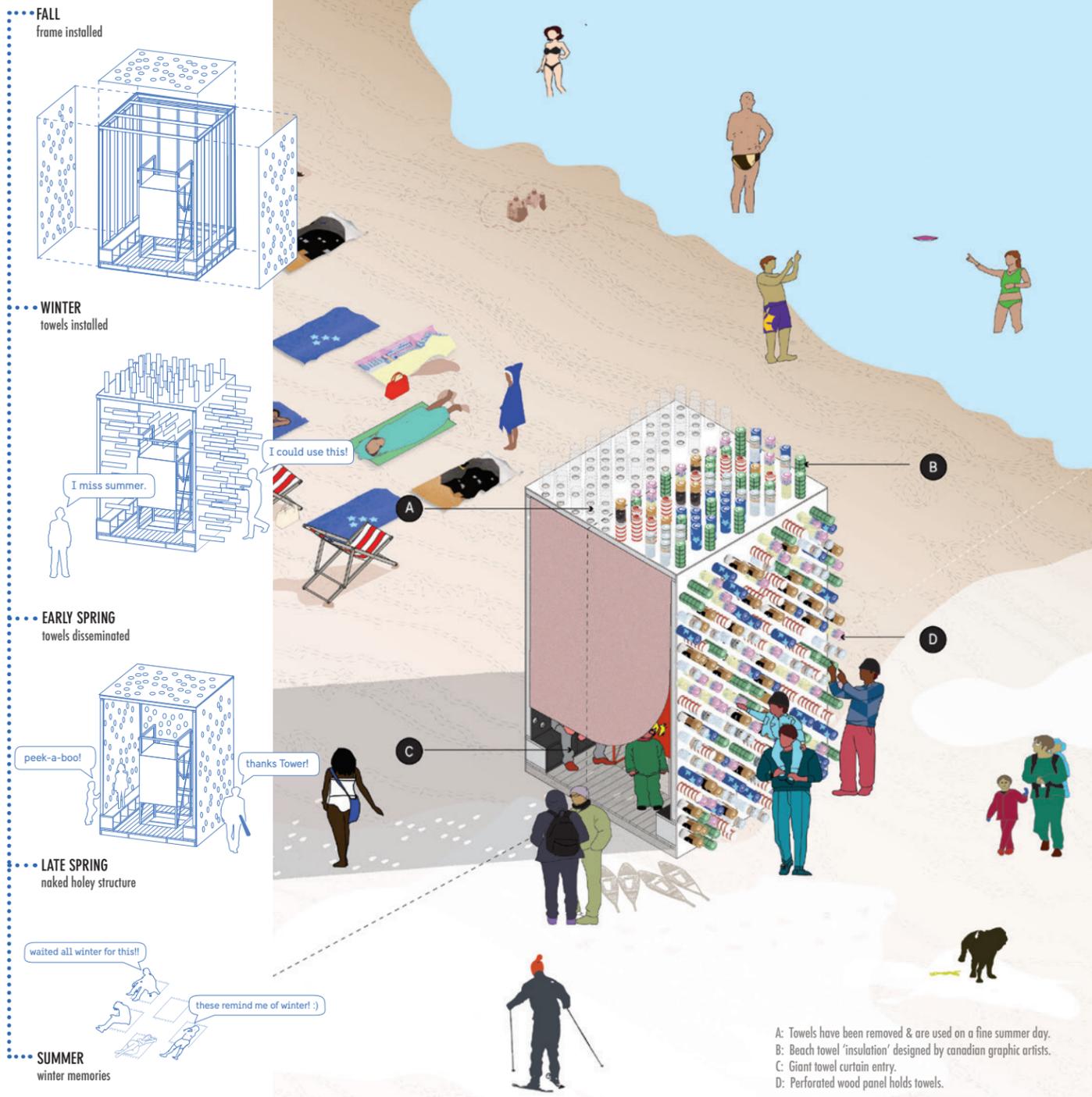
The dark-brick addition was designed to operate independently from the existing school for after-hours programming. The addition was also positioned to create a courtyard with new tree plantings and space for outdoor activities. The building's angled form begins beneath the canopy of existing tree and slopes upwards toward the school and new elevator shaft. The curtain wall slopes perpendicular to the exterior form of the building.

Experience gained:
schematic design through to construction drawings
drafting, detailing (PowerCADD & Sketchup)
consultant coordination & communication
construction administration (shop drawing review)
bid document review



Left: Perforated brick screen allows dappled light to pass through to the glazing beyond. The polished aluminum soffit creates the illusion of a double height brick veil.

Above: Interior view of Active Living Centre, showing expanse of sloped curtain wall and open-web steel joists.



A: Towels have been removed & are used on a fine summer day.
 B: Beach towel "insulation" designed by canadian graphic artists.
 C: Giant towel curtain entry.
 D: Perforated wood panel holds towels.

TOWEL TOWER

WINTER STATIONS INTERNATIONAL DESIGN COMPETITION WINTER 2016
 Toronto, Ontario

MATT HAGEN w/Dale Wiebe
 role: Design development, concept drawings, competition proposal.

PROJECT BRIEF: To celebrate Toronto's winter waterfront landscape. To create a temporary structure/art installation using existing steel lifeguard stands. Installations must be able to withstand winter conditions and be constructable within a \$15,000 budget. Designers should consider how their materials can be repurposed and recycled; proposals may evolve into future iterations, as on-going research and design projects.

DESCRIPTION

Like an animal shedding its winter coat, the Winter Station slowly loses its fur as the summer approaches.

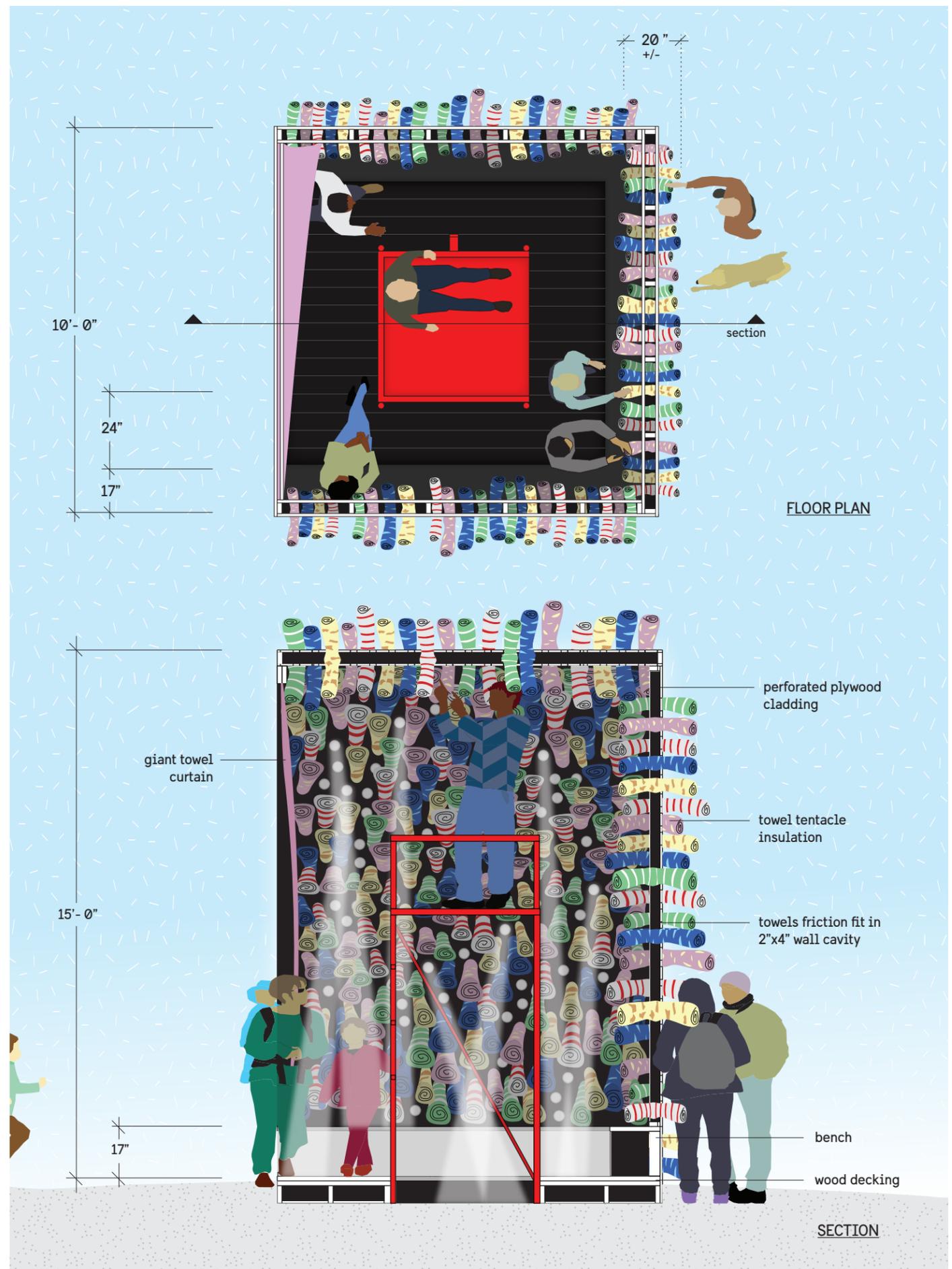
Paradoxically, the Tower's winter coat is composed of summer towels - the quintessential beach item - are stuffed into its perforated skeleton, plugging the holes to the winter world.

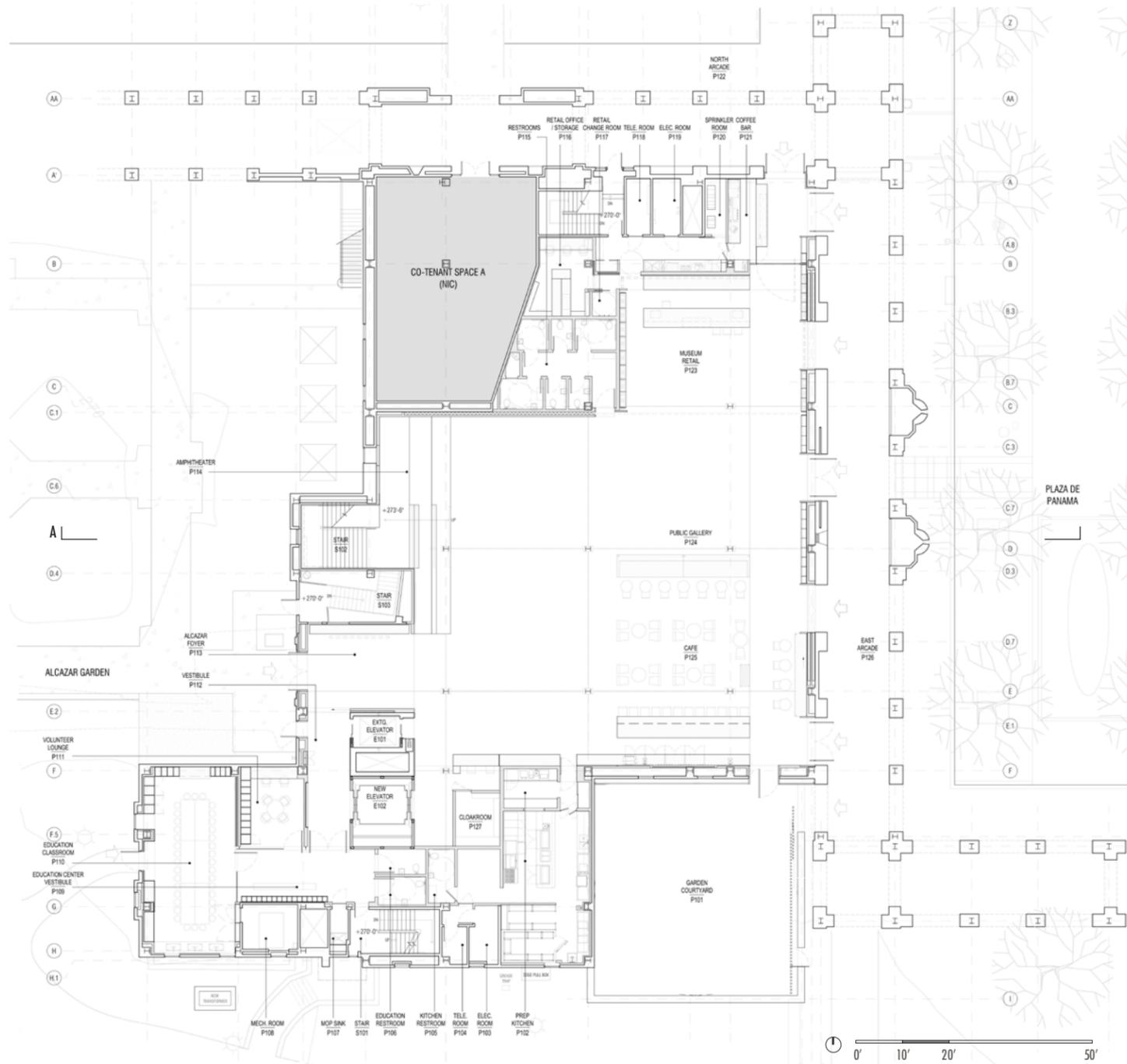
As the humans long for the summer beachscape, towels begin to disappear. Evidence of this summer desire is visible in the Tower's appearance; small peepholes are slowly revealed, giving views to the cozy cloth interior. But the Tower's winter coat lives on, offering itself as both a memory of the winter and as a towel.

Frisbees, umbrellas, folding chairs, coolers, towels.
 Feeling the nostalgia-warmth yet?

The Towel Tower aims to hold on to that last little bit of summer and keep that memory in our minds. Through the use of "Winter Stations towels" - potentially including works from Canadian graphic designers - the Towel Tower becomes a colourful symbol in the winter landscape.

The structure's towel tentacles create a provocative and playful texture, begging to be pulled or snuggled into. The Towel Tower acts a catalyst for summer fun, providing the people with small tokens of beach culture, and a little memory of their fun at the Winter Station.





Ground floor plan: Publicly accessible cafe, bar, gallery, retail store, classroom, outdoor courtyard, and amphitheatre.

MINGEI INTERNATIONAL MUSEUM

RENOVATION & ADDITION
IN HISTORIC BALBOA PARK

EST. COMPLETION 2020
San Diego, California

LUCE et STUDIO
role: Design, Drafting (DD - CD), Permitting, Specs, Construction Admin. + Coord.

PROJECT BRIEF: To transform and update the identity and space of the Mingei International Museum of Folk Arts & Crafts. The client required additional gallery space and functional staff spaces. During the design process, the project scope expanded to include a new multipurpose theatre addition with an outdoor roof courtyard.

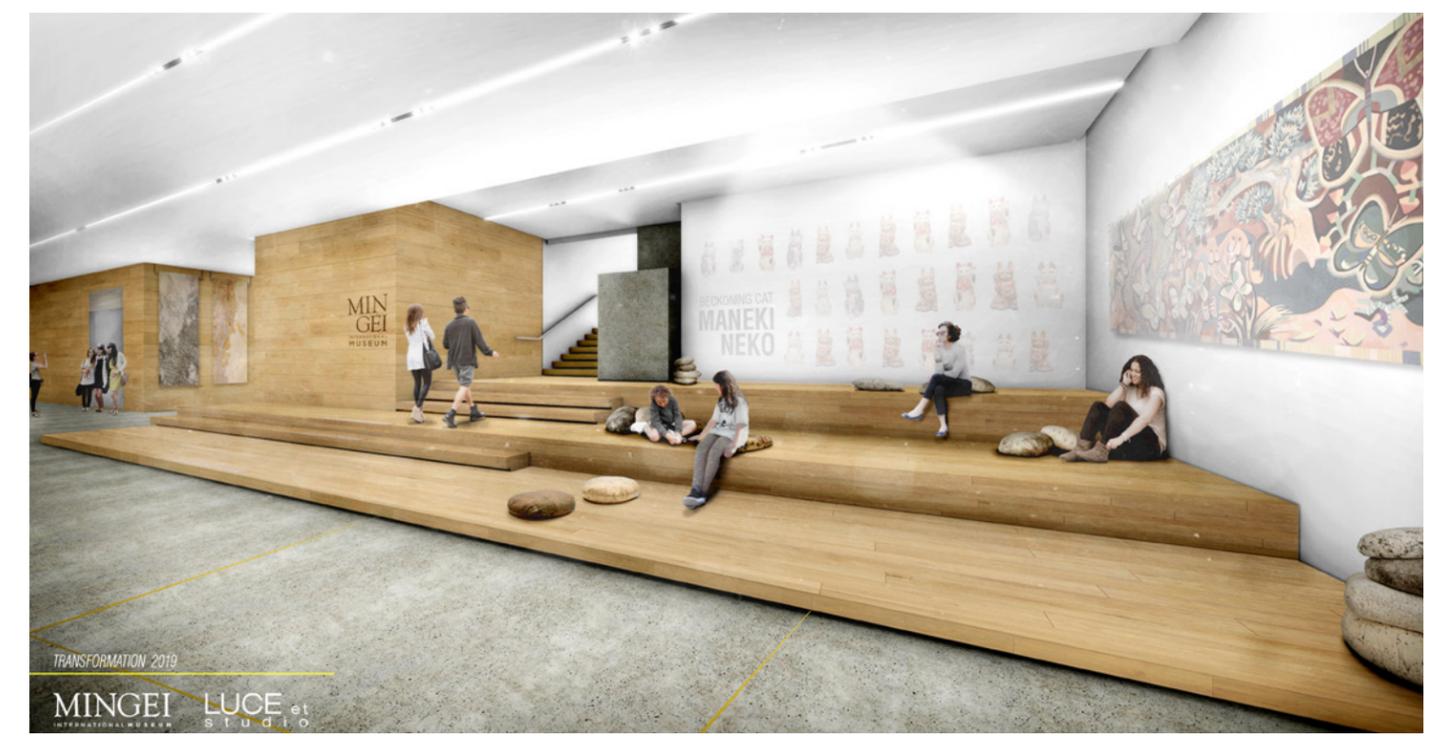
DESCRIPTION

A 42,000 square-foot renovation of a folk art museum in San Diego's historic Balboa Park. The entire museum was stripped down to its bones and re-designed as a contemporary space for both the public and museum visitors.

While at LUCE et Studio, I was involved with the project from construction documents through to construction administration in spring 2019. I was fortunate to be intimately involved with the project as the project team was composed of only five members.

In addition to supporting the overall drawing package, my role included the designing and detailing of a feature stair and amphitheatre within an existing belltower. I also assisted in the design of a new addition which included a multipurpose theatre.

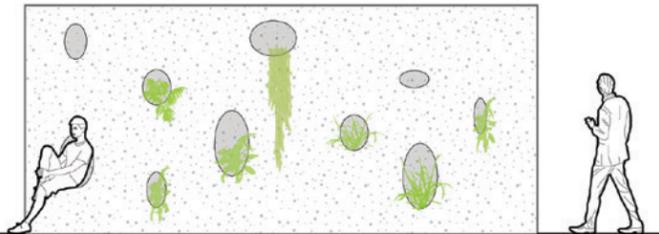
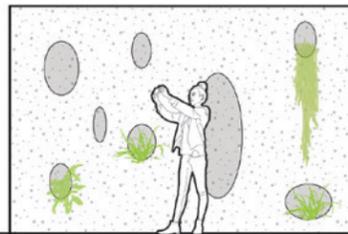
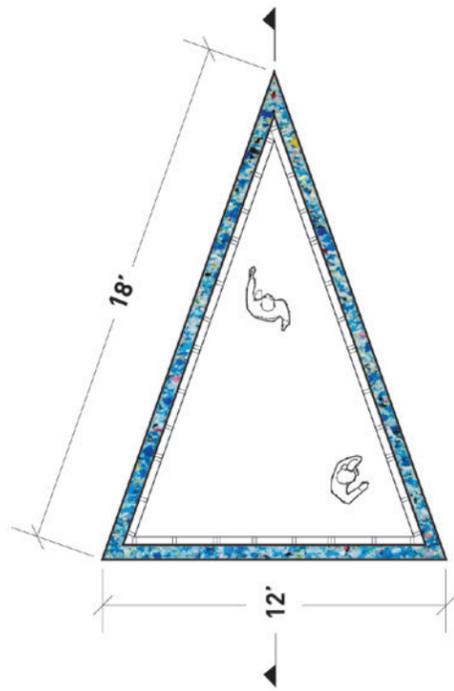
Experience gained:
preparing 200+ page construction drawing set
permitting process
value-engineering process
client meetings
drafting, detailing (AutoCAD & Rhino)
consultant coordination & communication
construction administration (RFIs, bulletins, field reports)



TRANSFORMATION 2019
MINGEI INTERNATIONAL MUSEUM LUCE et STUDIO



SECTION A



Top Left: Plan drawing indicating the cheese-block inspired form.
 Top Right: Section drawing showing exposed framing for mounting potted plants.
 Bottom: Exterior elevations.

MOIST CLUB URBAN GARDENING SHED

GARDENS MANITOBA
 GROW ROOM COMPETITION

SUMMER 2018
 Winnipeg, Manitoba

MATT HAGEN w/Evan Taylor
 role: Design development, concept drawings, competition proposal.

PROJECT BRIEF: To increase public awareness of gardening spaces through the design of a small structure on a limited budget. To allow for gardening in small spaces with greater yields and provide food security. To challenge yard design away from beds, gazebos and decks. To use materials and design so that people can adapt and use structure as their own.

DESCRIPTION

This light-hearted project was inspired by experimental gardening practices, specifically the idea that a structure could become a self-sufficient planter in itself.

A recycled foam mass provides a light and malleable infrastructure for plant growth. The mass captures rainfall and absorbs the warmth of sunlight - an ideal environment for plants to grow within and upon. The saturated room is punctuated by swiss-carved openings, operating as windows, secrets doors, and moist pots.

Moist Club's triangular holey form was conceived as a tribute and referential gesture to the slow process of cheese making, much like slow plant growth.

Here form does not follow function, form follows photosynthetic growth. We aim to encourage a slow culture; slow food.

A slow message:

medium as message. message as slow.

cheese as slow. slow as icon?

icon as sponge. sponge as moisture.

moisture as nutrition. nutrition as process. process as growth.

growth as room. sponge as room.



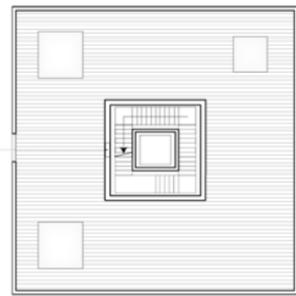
Clockwise from top left:
 1. Exterior view of Moist Club's apex.
 2. Interior view showing secret bench and shelves for planting.
 3. Exterior view.
 4. Detail of fasteners used to secure the colorful foam to the framing.



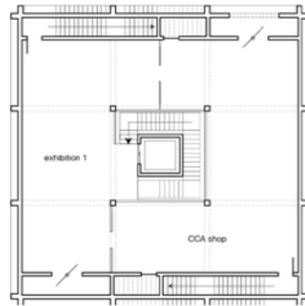
NOTE: Moist Club was vandalized in mere days after its construction, before planting and seeding could be undertaken.



1F
entry



2F
private zipline accessible platform



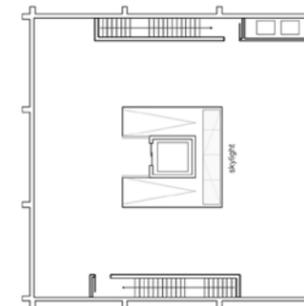
3F
exhibition



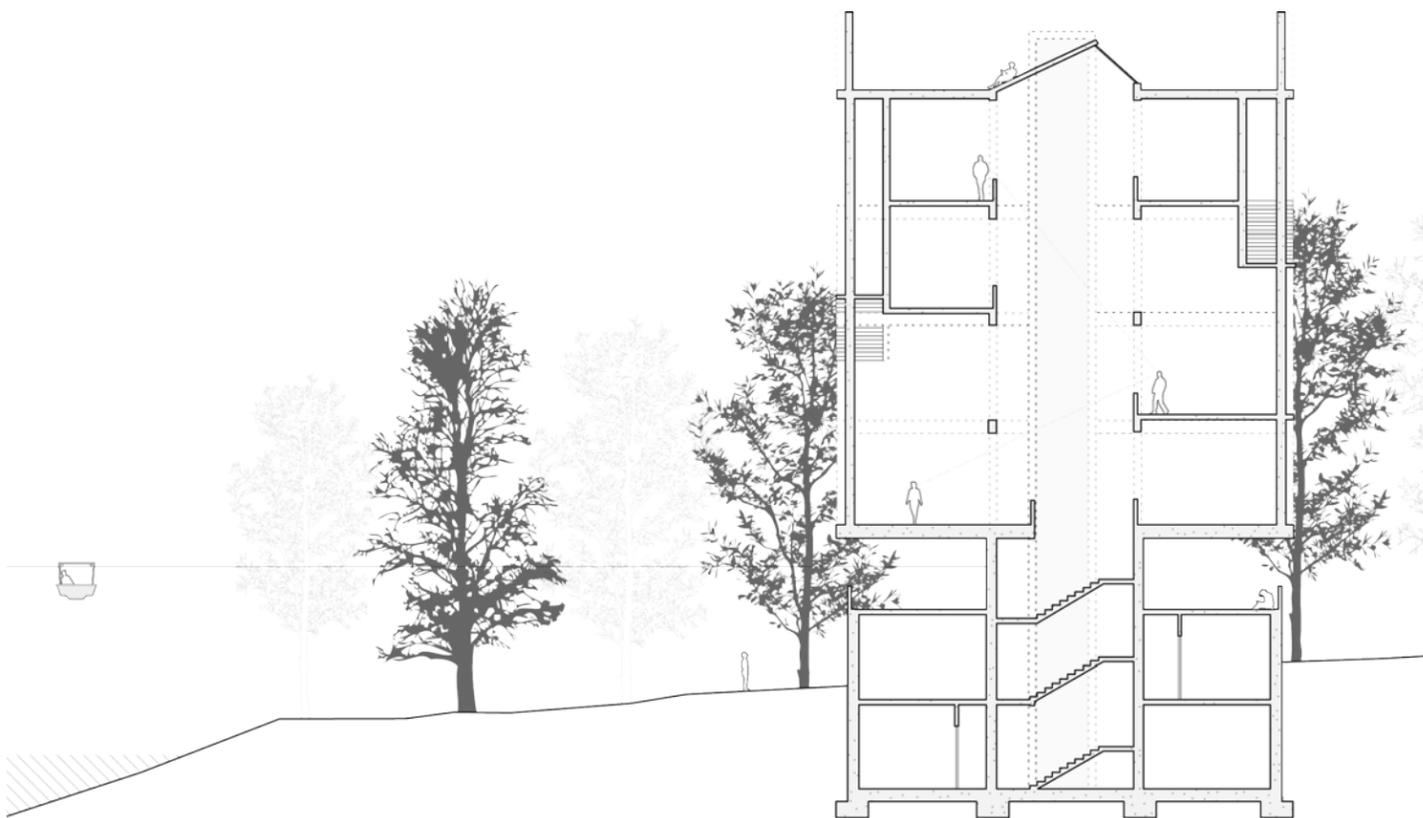
4F
exhibition



5F
shop



6F
sky room



CCA PAVILION

CARLETON UNIVERSITY
M.ARCH STUDIO 2

WINTER 2016/2017
Ottawa, Ontario

MATT HAGEN

role: Site research, design, drawings, modelling, renderings.

PROJECT BRIEF: A pavilion on the Carleton University campus for a satellite gallery for the Canadian Centre of Architecture. The site, program, and design are to be chosen and developed by the student. The pavilion is to question the literal and spatial definitions of public and private.

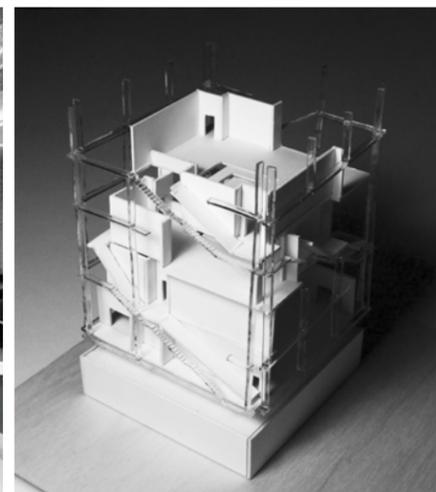
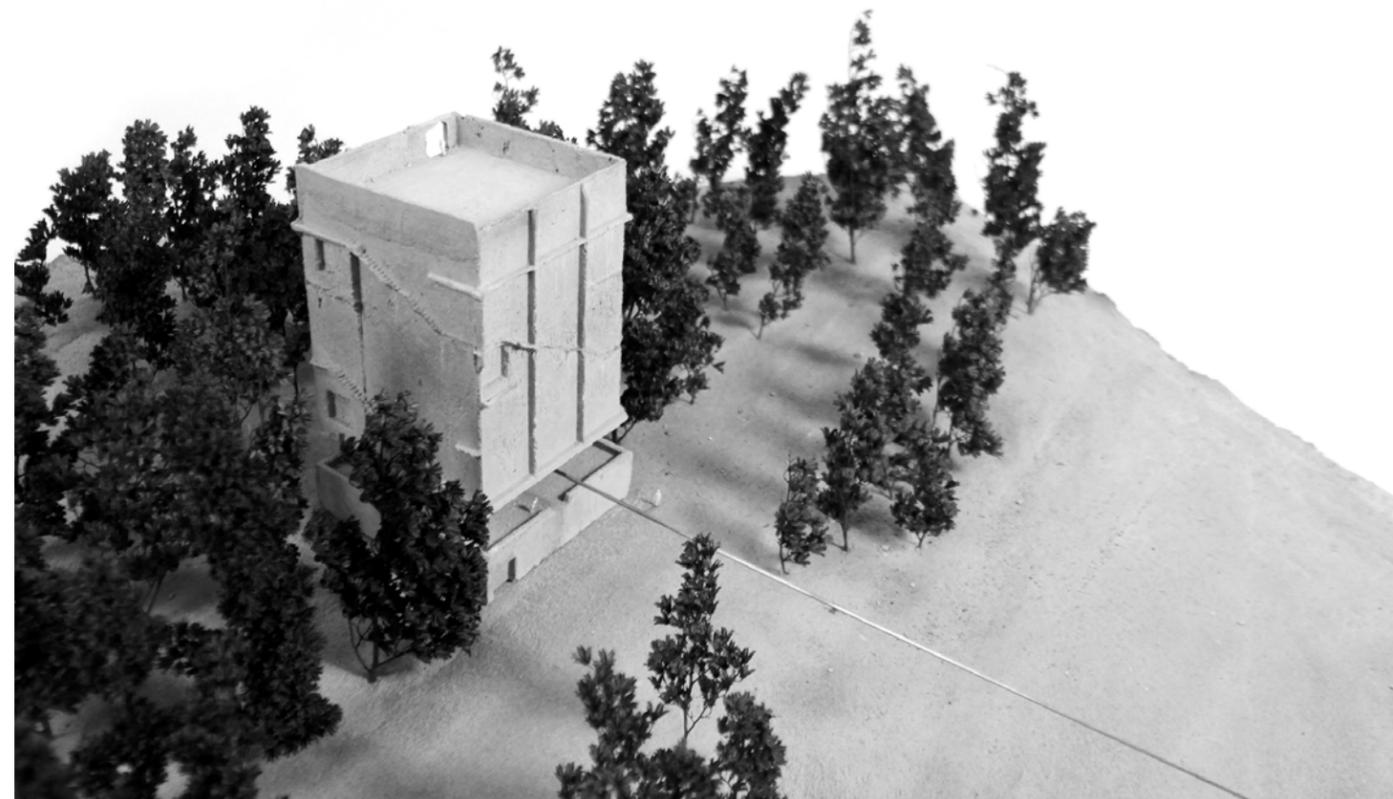
DESCRIPTION

Just a few metres west of Carleton University's Rideau River rapids, a tapered concrete structure is perched on the riverbank. Halfway up this mysterious monolith, a horizontal line disrupts its verticality; a zipline emerges from the structure, crossing high above the river and disappearing amongst the trees on the other side. This other side is the site of the proposed CCA Pavilion.

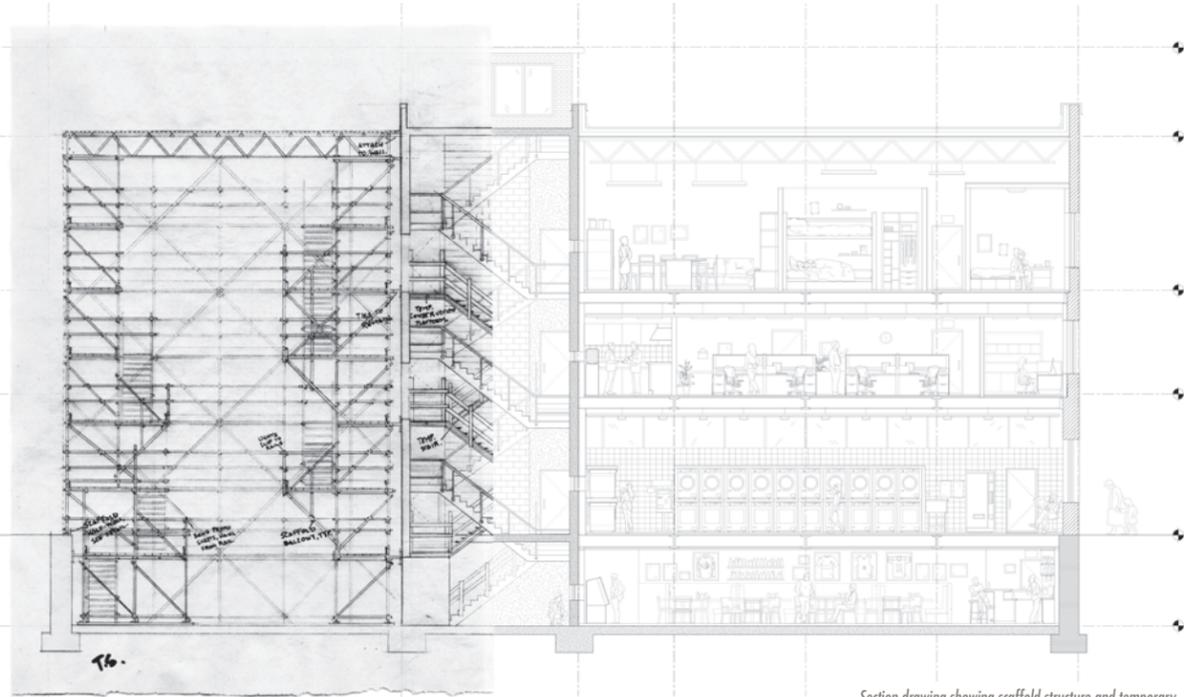
Viewed from across the water, the pavilion emerges from the tree-tops; its monolithic concrete form emits an aura of the place that inspired it. Periods of rain, snow, sunlight, and animal intervention add to the essence that is visible on the exterior surface - a surface stippled with demarcations revealing what is within. Edges of columns, beams, slabs, and stairs visibly show the interior to the exterior, bringing the private to the public.

The pavilion welcomes in visitors from across the water. The mass of the building is sliced by the incoming horizontal cable, dividing the program in two. The base of the pavilion encompasses the storage spaces, the mechanical room, and the receiving area, all providing a foundation for the exhibition spaces that seemingly hover in the mass above.

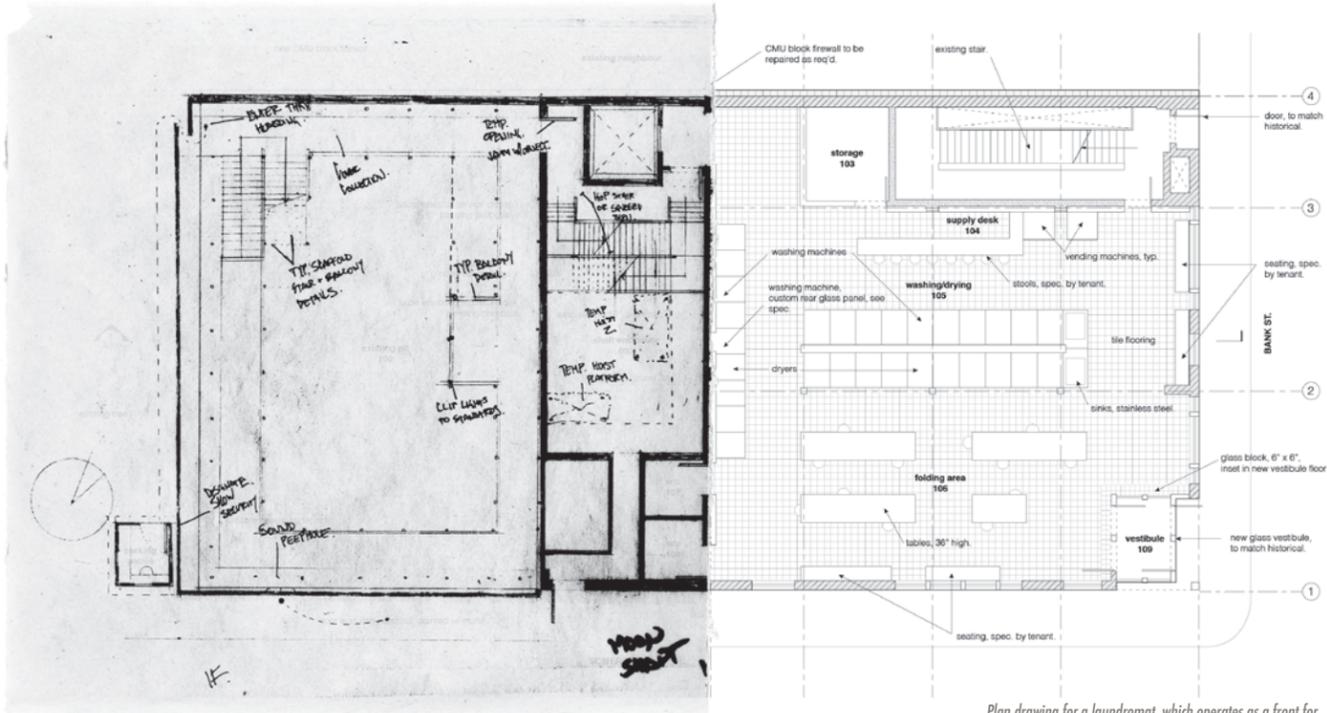
Entering from the forest, visitors arrive in the lobby space at the ground level. A large skylight sits above the entryway, bringing in light from the interstitial space separating the masses. As visitors ascend from the lobby, they bypass this interstitial space. This space, only accessible via zipline trolley, is a hybrid of public and private; it is designed for the public, yet offers a private space within the public domain.



Top: 1:200 scale model, constructed using cement, laser-cut formwork, steel rod, and flowers. Bottom Left: Interior rendering from 3F, looking east. Bottom Right: Interior 1:200 scale model, constructed using museum board and laser-cut acrylic.



Section drawing showing scaffold structure and temporary scissor stair to be erected during construction.



Plan drawing for a laundromat, which operates as a front for the secret scaffold-structure music venue.

"OTHER" ARCHITECTURE FOR UPLIFTING GORMANDIZERS*

CARLETON UNIVERSITY 2016-2017
 M.ARCH DESIGN THESIS w/distinction Ottawa, Ontario

MATT HAGEN Advisor: Yvan Cazabon
 role: Research, writing, design, drawing, model-making, photography.

PROJECT BRIEF: An 8-month research project to complete a Master's of Architecture degree. The thesis includes a 15,000 word document and a full set of design images. This thesis was a part of a "performance" themed research studio entitled "Scripting Participatory Event-Space: Architecture and its Double." The thesis began with theatre-based readings from authors such as Antonin Artaud and Peter Brook.

DESCRIPTION

The term "underground" is used to describe a group or movement which explores alternative lifestyles or forms of artistic expression. At a moment when Ottawa's music scene is thriving, several underground venues have closed down.

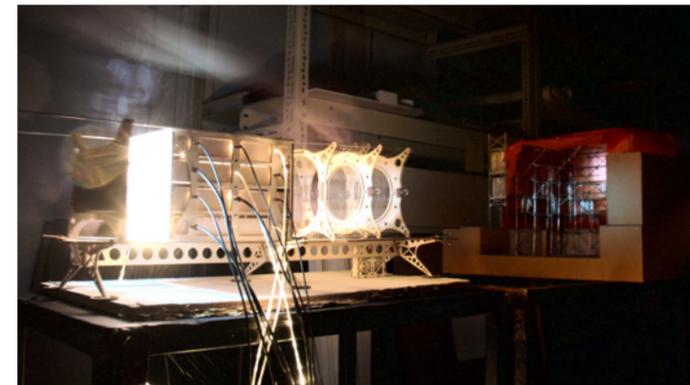
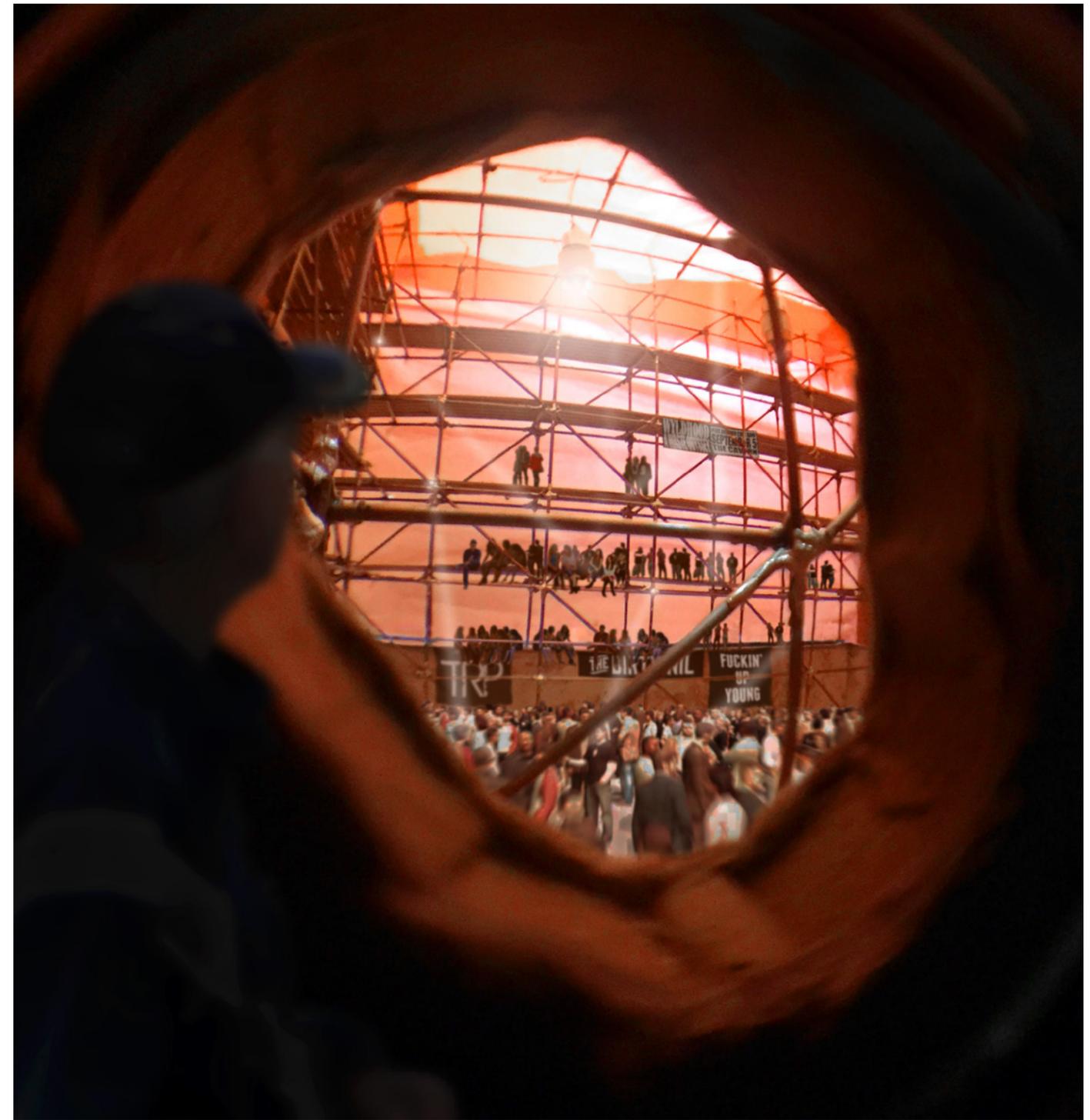
This thesis questions how an architect can covertly assist the underground performance scene without compromising its do-it-yourself (DIY) ideology.

As the practice of architecture currently exists within the boundaries of clients, budgets, and codes, it can only host the underground illicitly. However, this thesis proposes "other" architecture - venues for the underground that are hidden in plain sight.

The thesis focuses on using a partially-collapsed building's history of neglect as a form of punk camouflage for DIY performances. A (seemingly) straightforward renovation was proposed to reopen the collapsed building.

A series of Janus-faced drawings were produced to covertly describe how a performance space could be built using construction frameworks during the renovation phase.

*Gormandizer: Noun. Usually means a ravenous eater of food, but according to unconfirmed sources it means a voracious eater of music. Part of the name of the legendary CBGB Club in NYC.



THANKS FOR READING!