

Architecture

P  R T F  L I 

Cédric Toupin

2025



## Hello! I'm Cédric,

A 3rd year student at the McEwen School of Architecture in Sudbury, Ontario, where I was born and raised.

I am highly motivated, striving to do the best I possibly can with the ultimate goal of learning. Challenging myself and trying new things are what keeps life exciting.

Developing concepts, working as a team, composing images and layouts are my favorite parts of the architectural process, as they are where creativity is the most prevalent.

## Contact Info

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**Phone:** 705-920-7904

**Address:** 140 Bridgewater Ct, Sudbury

## Employment History

### Lighting Tech/Stagehand (Part-Time)

Big and Rich DJ Service - Sudbury, ON  
May 2023 to Present

### Carpenter/Laborer (Full-Time)

Do-It-All (DIA) Contracting, Lively, ON  
April to August 2025

### Professional Window Cleaner (Full-Time)

The Window Doctor, Sudbury, ON  
April to Sept 2024

## Education

### Bachelor of Architectural Studies

Laurentian University's McEwen School of Architecture, Sudbury, ON.  
2023 to Present

### High School Diploma

École Secondaire Macdonald-Cartier,  
Sudbury, ON.  
2019 to 2023

## Softwares

- Photoshop
- Illustrator
- AutoCAD
- Canva
- Miro
- Rhino 3D
- InDesign
- Lumion
- Google Workspace
- Microsoft 365

## Skills

- Fluently Bilingual; French and English
- Quick & Adaptive Learner
- Great Autonomous Worker
- Leadership Skills
- Collaborative Skills
- Marketing & Sales
- Graphic Design
- Drawing & Drafting
- Clear Communicator

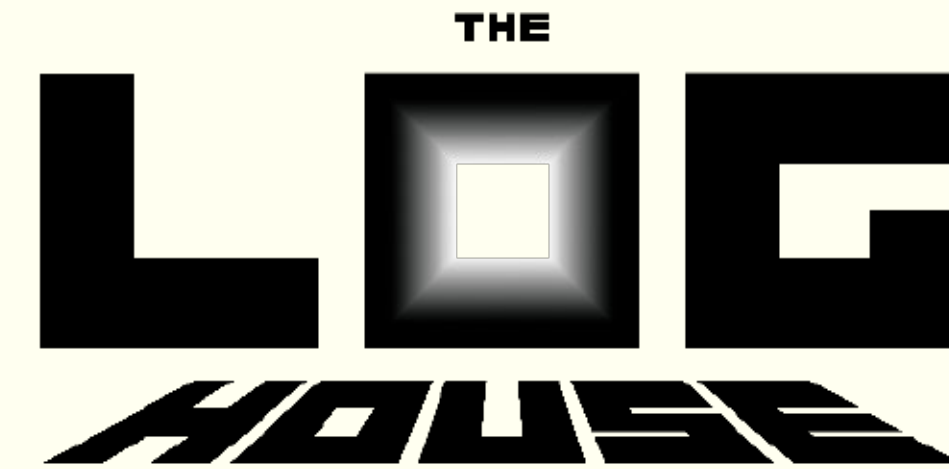
## Awards

### F. Jean MacLeod Architecture Scholarship (x2)

Scholarship awarded to Francophone students who achieve high grades in their academic year.  
2023 & 2024

### Science, Engineering, and Architecture Entrance Scholarship

Awarded to first year BAS students with highly graded application portfolios.  
2023

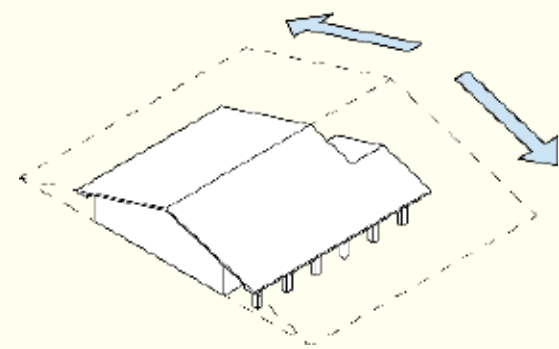


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Spring 2025  
Individual Project

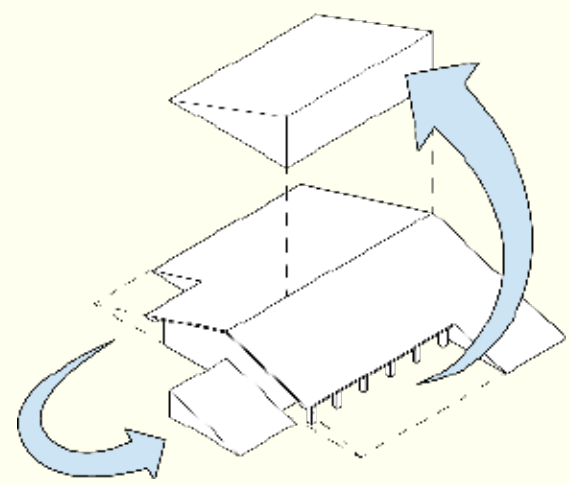
Page 12-17  
2023-2024  
Group Project

Page 18-23  
Fall 2024  
Individual Project

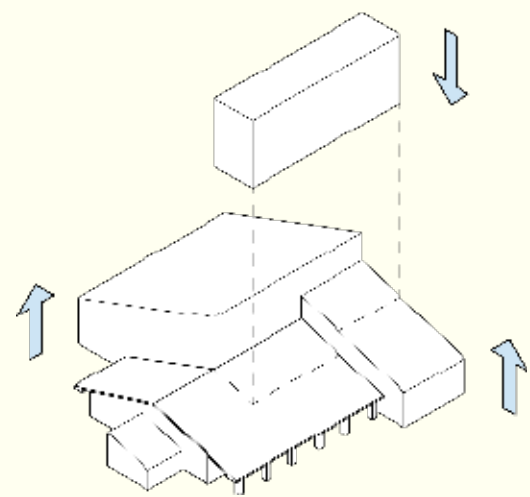
Page 24-27  
Fall 2025  
Group Project



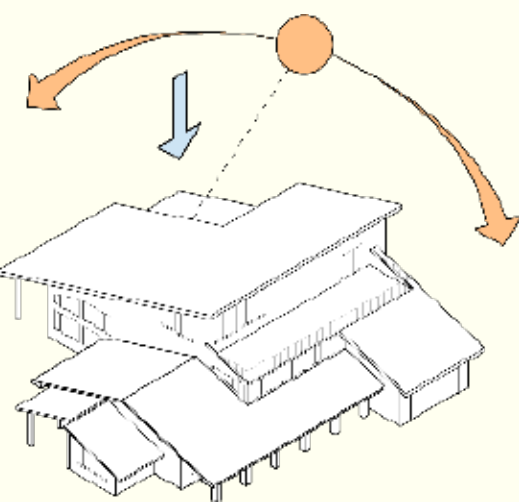
The roof planes are extended.



Pieces are subtracted and "planted" elsewhere.



A "glass box" is inserted to allow access to views and natural light.



A roof plane is lowered to further utilize natural light

# CONSERVATION PLACE

*"Planting itself onto a pre-existing structure, the Conservation Place creates additions that reflect the surrounding site's re-greening history."*

**Program:** Environmental Education Centre

**Location:** Lake Laurentian Conservation Area

**Semester:** 4th Semester

By reusing and conserving the "Nature Chalet" and having the new additions "grow" out of the old building, it echoes the past of the surrounding landscape, whose plants repopulated the barren rock left by the mining activity nearby. A portion of the Nature Chalet's dark red bricks can still be seen among the new, wood-clad additions, representing the bedrock peeping through the vegetation on site.

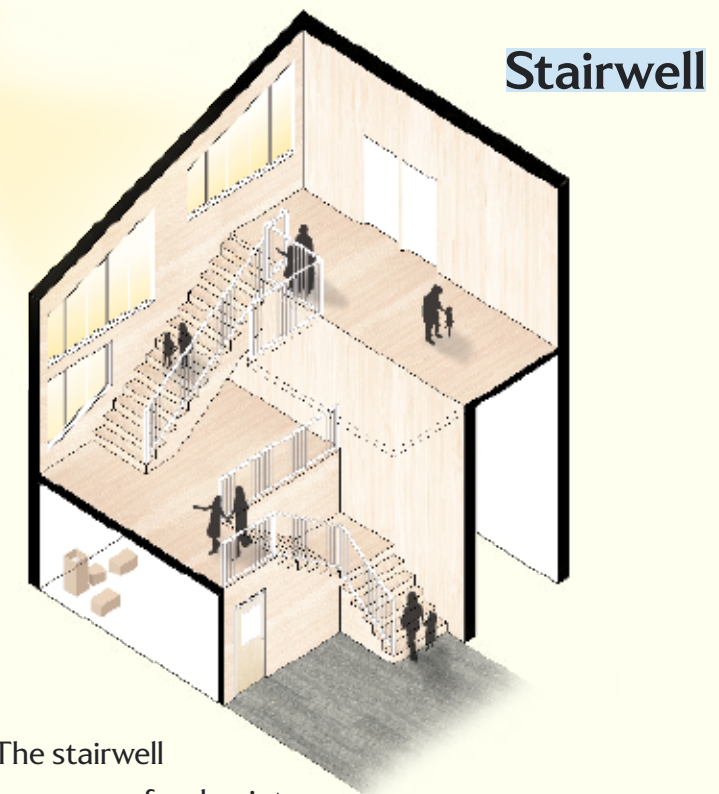
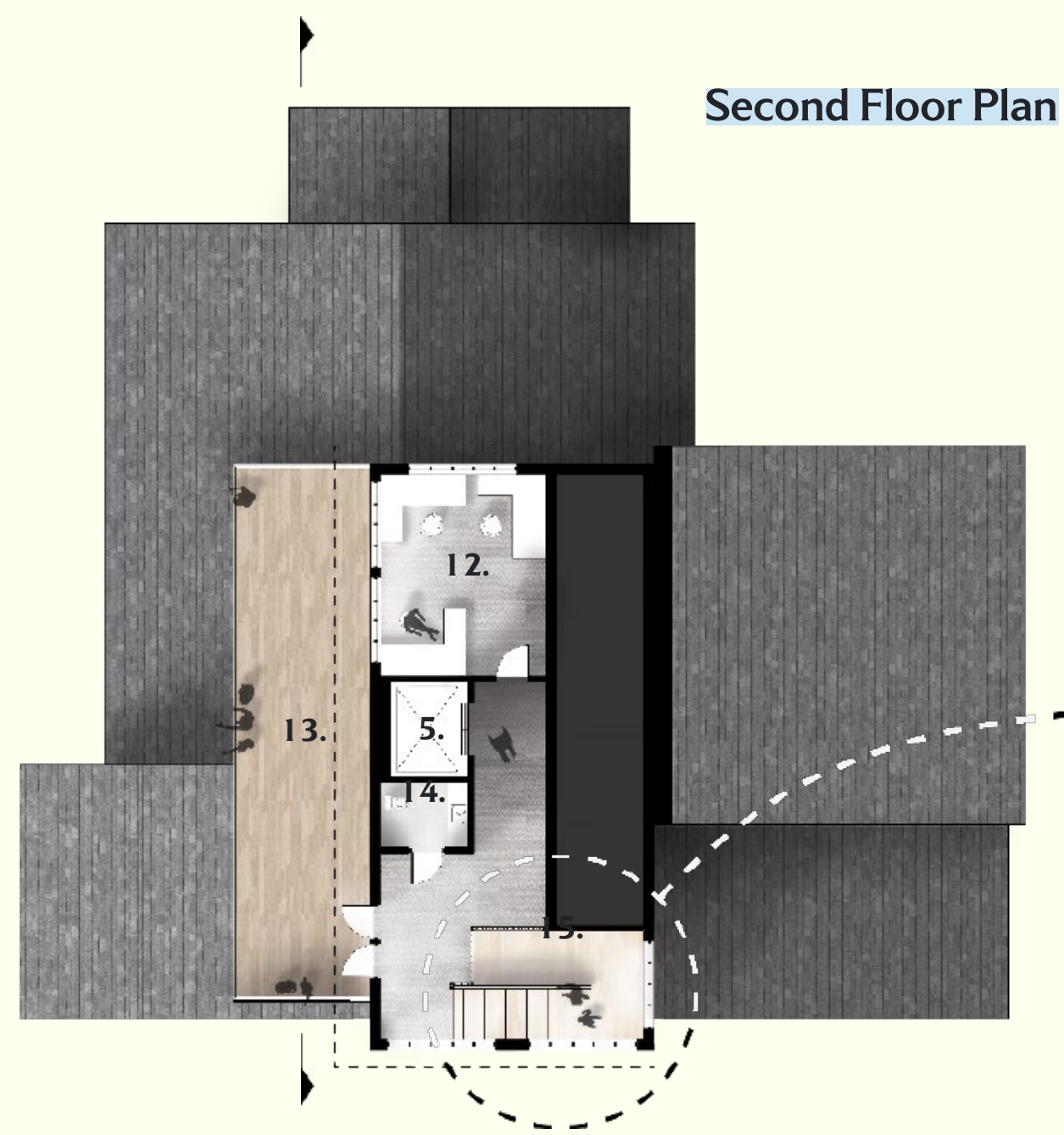
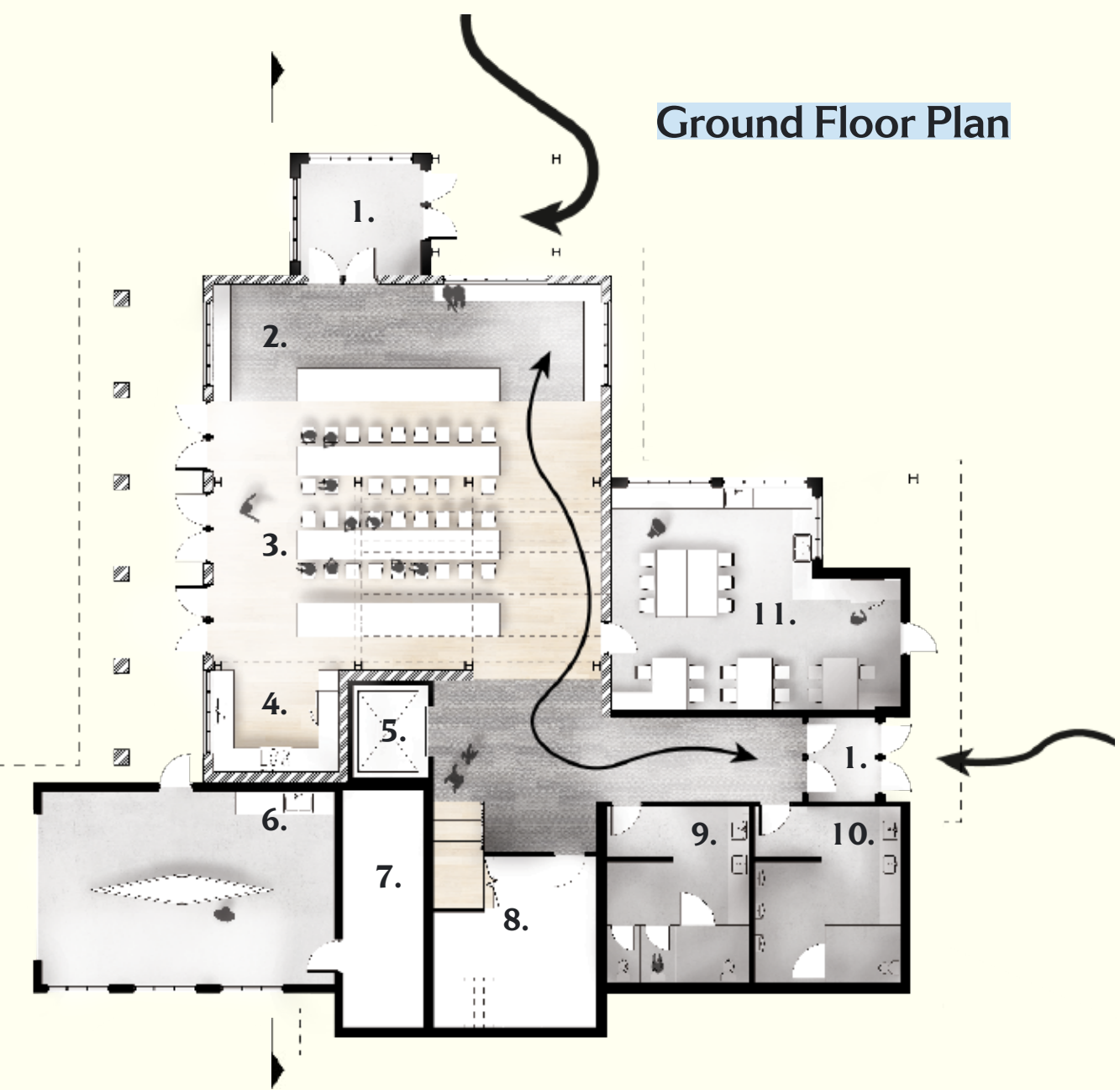


**(Left) The Nature Chalet:** This is the existing facility on site used as a place for learning in a natural context, used year round to host summer camps and school workshops. This design project aimed to create a larger space with new amenities. (Photo courtesy of Lake Laurentian Conservation Area, Facebook, 2020.)



**(Right) Cliffside:** The large rockface looking over the man-made Lake Laurentian creates the most picturesque view on the site. To advantage of this, a "glass box" was wedged into the Nature Chalet

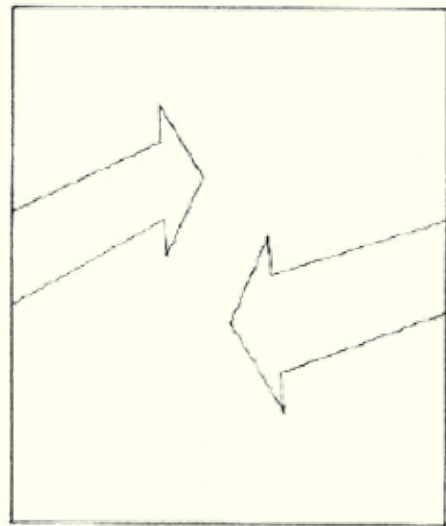
- 1 - Vestibules
- 2 - Mud Room
- 3 - Flexible Education Space
- 4 - Kitchen
- 5 - Elevator
- 6 - Watercraft Repair
- 7 - Mechanical Room
- 8 - Storage
- 9 - Ladies Washroom
- 10 - Mens Washroom
- 11 - Laboratory
- 12 - Offices
- 13 - Observation Deck
- 14 - Universal Washroom
- 15 - Stairwell



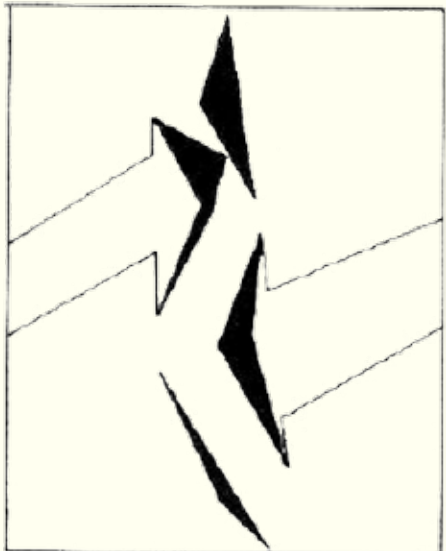
The stairwell serves as a focal point of the interior, drawing visitors up to the observation deck. It does so by integrating south-facing windows and cladding its interior with varnished plywood to induce the feeling of climbing the inside a tree.







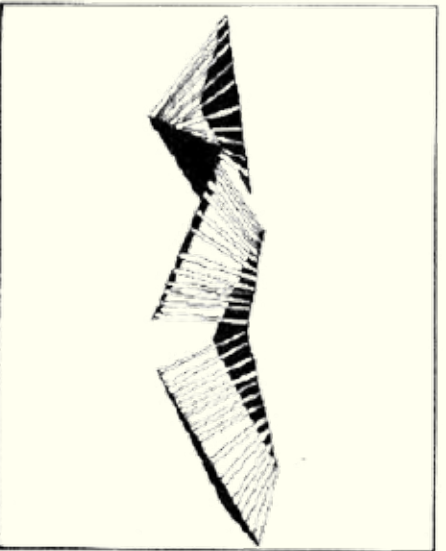
Opposing winds clash.



Their clash creates walls.



The walls direct movement.



Movement is materialized in the form of rafters.



*“Born from the force of the wind, a wave crashes on the shore of Ramsey Lake and “freezes” in place, creating a dynamic, interactive, 36-foot-long wooden sculpture.”*

**Program:** Ice Skating Warming Hut/“Ice Station”

**Location:** Ramsey Lake, Sudbury, ON

**Semester:** 1st and 2nd Semesters

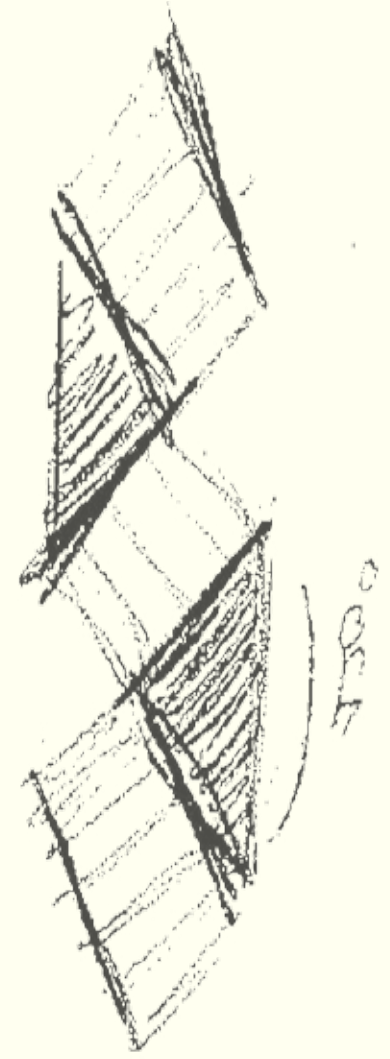
**Contributions:** Assembly, Concept, Construction, Logo, Plan Drawings, Process Video, Project Name

This project allowed me and a small group of students to design, iterate, and construct a temporary structure to be used by the public. The process allowed for experimentation and depiction of the ice station to be done at various scales and by utilizing various methods: drawing, model making, 3D modeling, 1:1 detail construction, and finally, the life-sized finished product. Concept diagrams (Left) courtesy of Jayden Igiraneza.

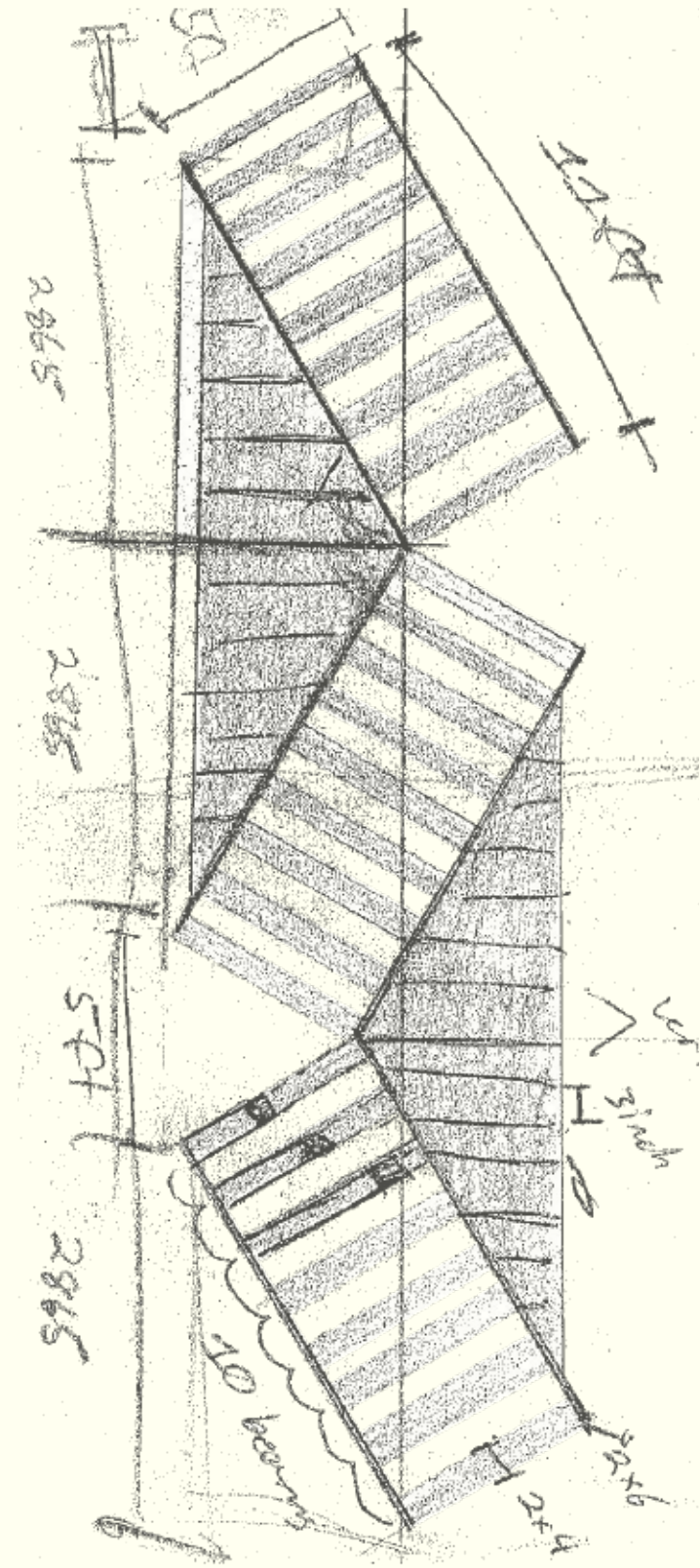


**(Top Left & Bottom) Physical Models:** The use of models was a crucial part of the design process, enabling an easier understanding of the elaborate construction of the structure. As the models became larger and more complex, important structural and assembly issues arose, allowing us to identify and resolve these problems before they were integrated into the final construction. (Models by Alexa Cotesta)

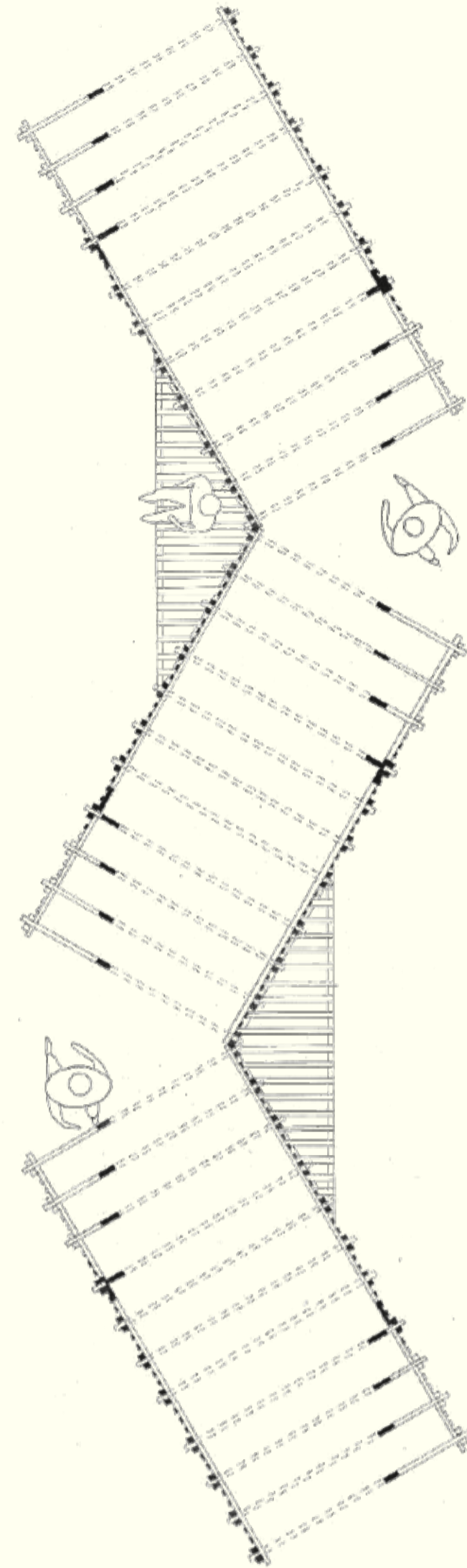
**(Top Right) Assembly:** Wavy is composed of six large, right-angle triangular frames, clad with thin pieces of recycled lumber (pictured), attached with rafters to create three independently standing modules. These modules were then linked together with “floating” triangular benches to create a single, winding tunnel with many entrances and exits.



**Conception**



**Refinement**



**Finalization**



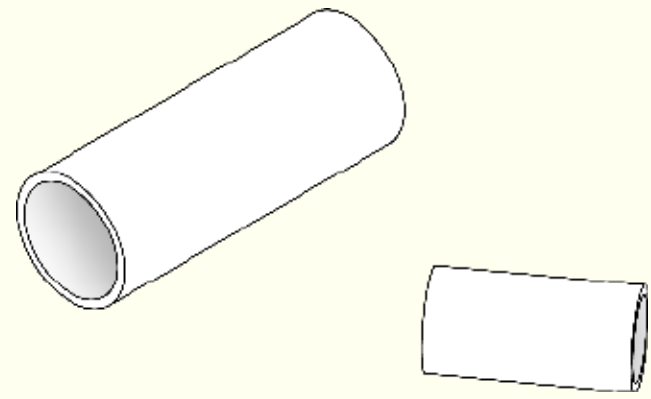
**(Top) Dynamic Form:** Depending on the viewing angle, the repeating rafters create the appearance of curves and organic forms, although the structure is entirely constructed out of straight, dimensional lumber pieces.



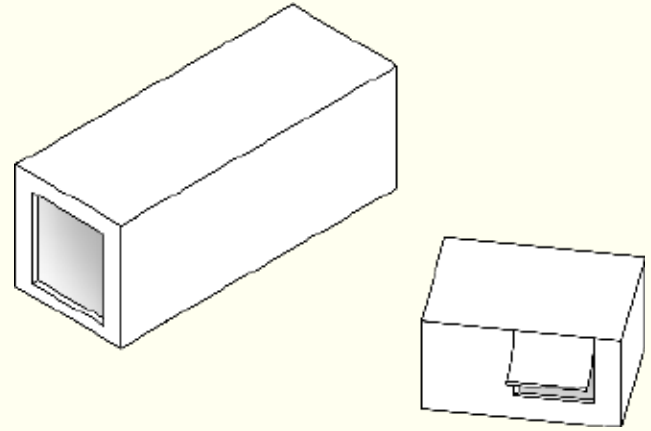
**(Bottom) Interior Perspectives:** Visitors must move with the rafters, enhancing the physical interaction of the experience. In addition, the gaps between each module can serve as entry points, but also help frame the surroundings.



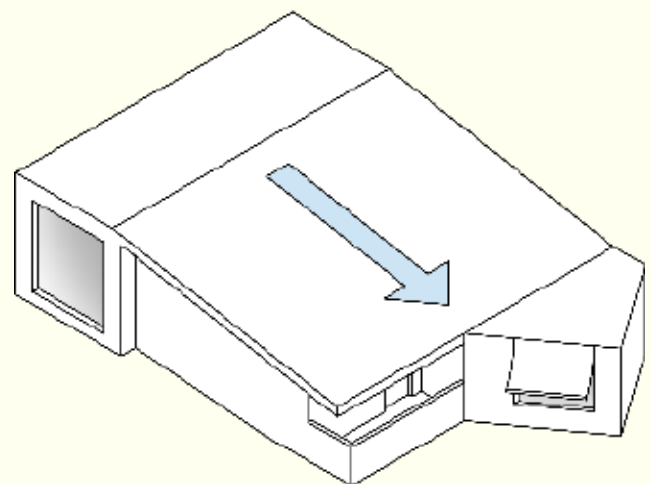
Portfolio Céline Touzin



Tree branches fall to the ground and break into pieces.



The "logs" become rectangular prisms, and a window is "peeled" for the sauna.



They are connected by a single, mono-pitched roof, encasing the transitional spaces within.

# THE LOG HOUSE

*"The public spaces of the Log House adopt their openings, shapes, and material palettes from the process of decomposing paper birch trees that populate the Lake Laurentian Area."*

**Program:** Community Sauna

**Location:** Lake Laurentian Conservation Area

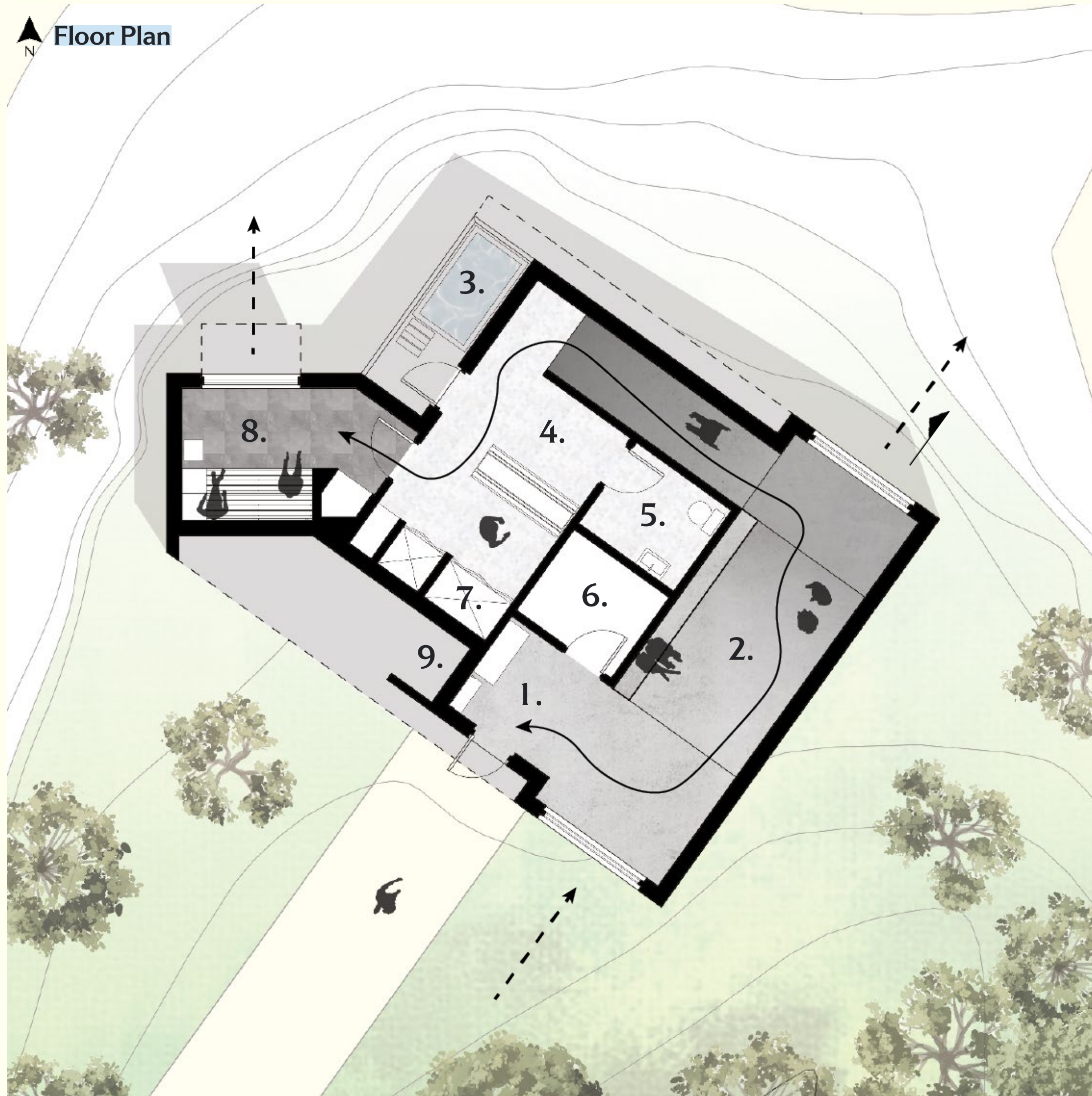
**Semester:** 3rd Semester

The building only includes three windows; consequently, they served as key drivers to its shape, layout, and orientation. Two are located on either side of the foyer, mimicking the freestanding, hollow birch bark that remains after its wooden core rots away, while the last window is found within the sauna room. It is created by "peeling" the wall itself, creating an awning in the process as the bark of the trees does early in its decomposition phase.

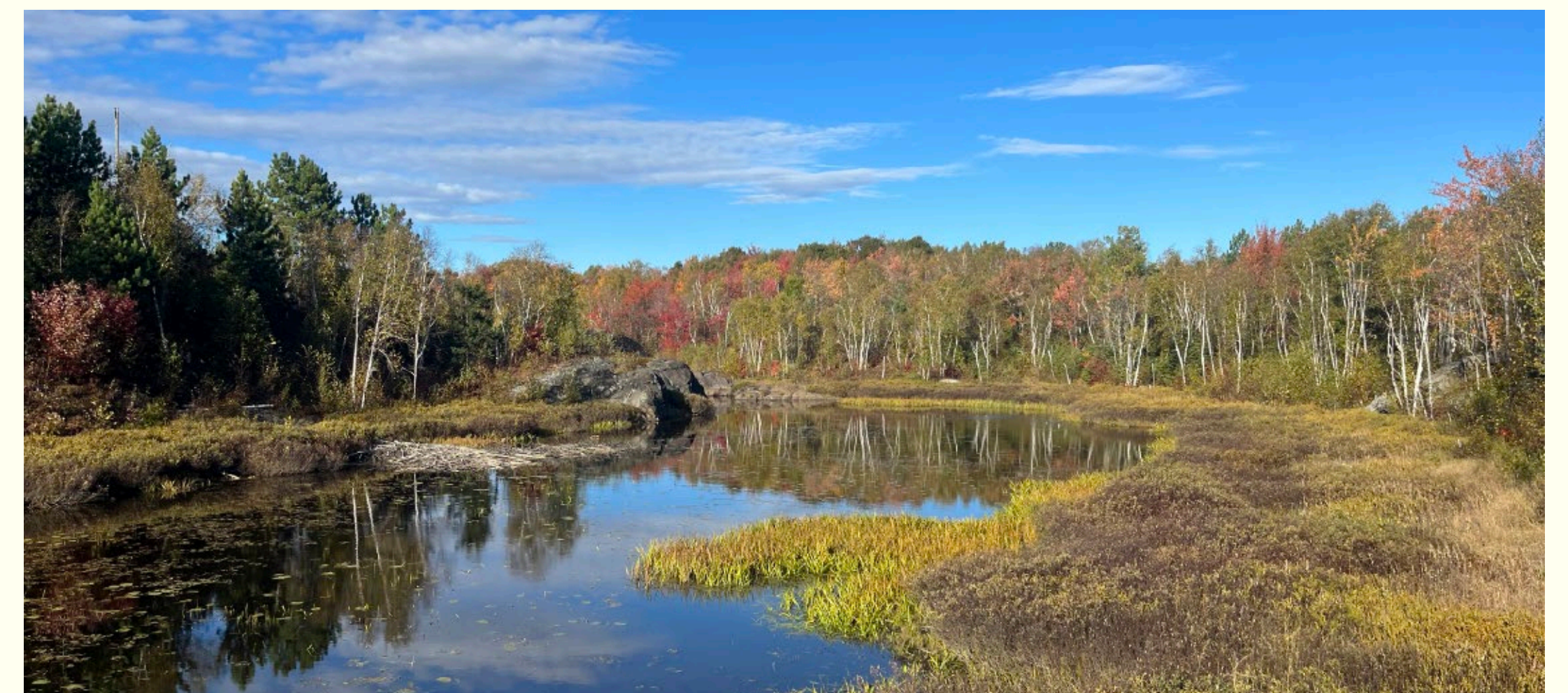


**(Top) Decomposition:** The paper birch is known as a "pioneer tree", growing and falling rapidly. As its branches start falling, breaking into several pieces, its bark starts to peel, and eventually its wooden core rots away, leaving only a freestanding hollow tube.

**(Bottom) Location:** The sauna is placed on top of an exposed rock formation, making its curved awning visible upon entering the site. This location is situated near the site's trail network and provides good views in and out of the building



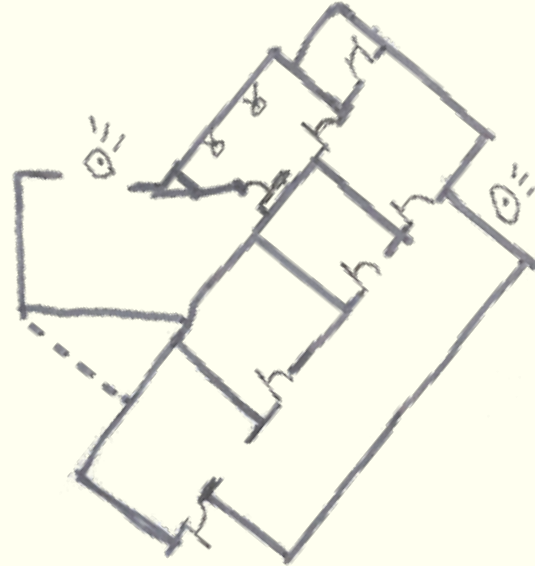
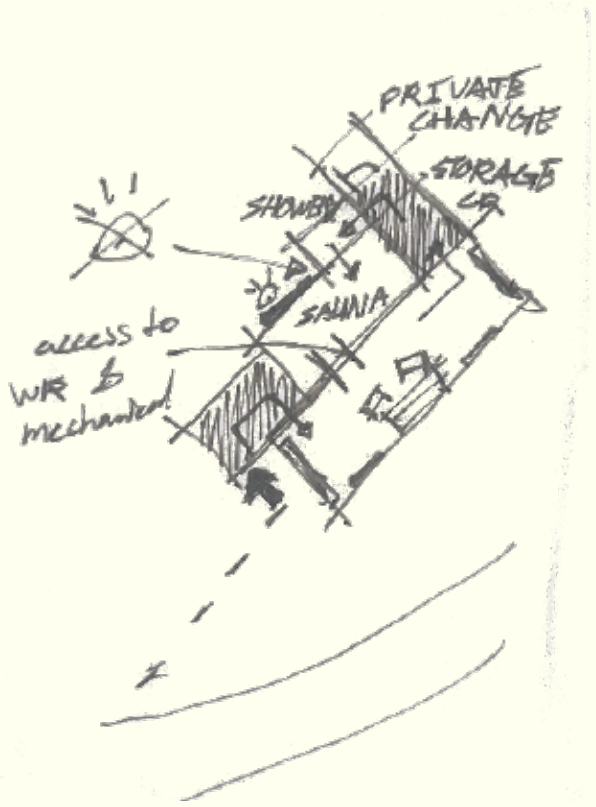
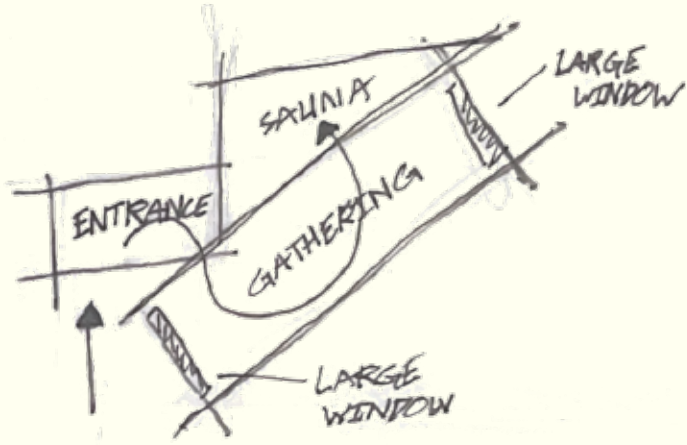
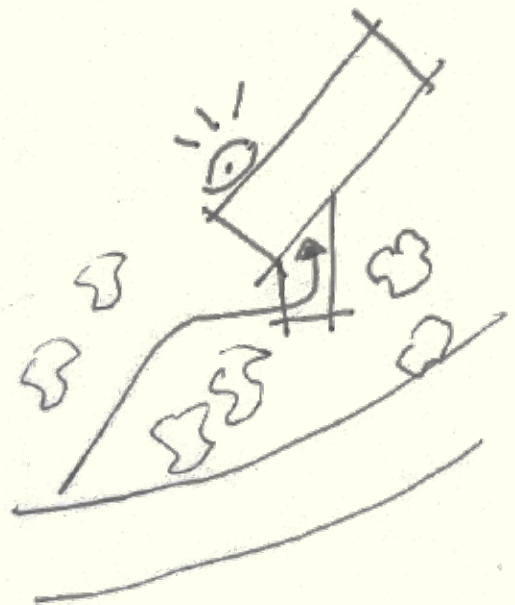
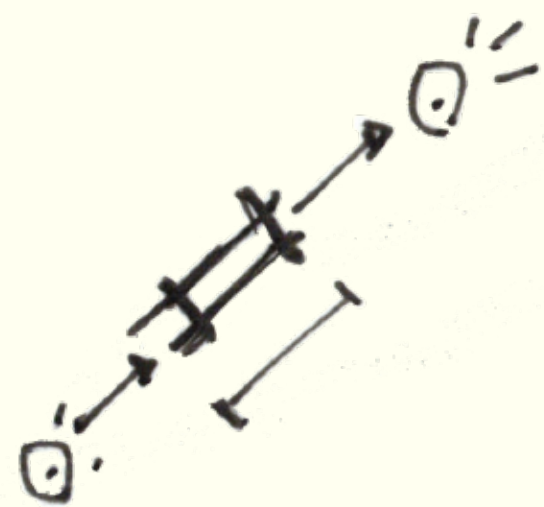
- 1 - Mud Room
- 2 - Foyer
- 3 - Plunge Tank
- 4 - Change Room
- 5 - Washroom
- 6 - Mechanical Room
- 7 - Showers
- 8 - Sauna
- 9 - Wood Storage

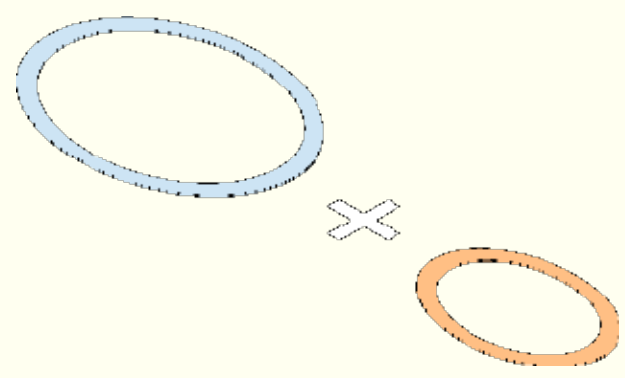


**(Top) Materiality:** The exterior cladding is made up of weathered cedar cladding to echo the pale color scheme of the exterior paper birch trees, while the interior is dressed in varnished wood panels to imitate the beige core of trees.

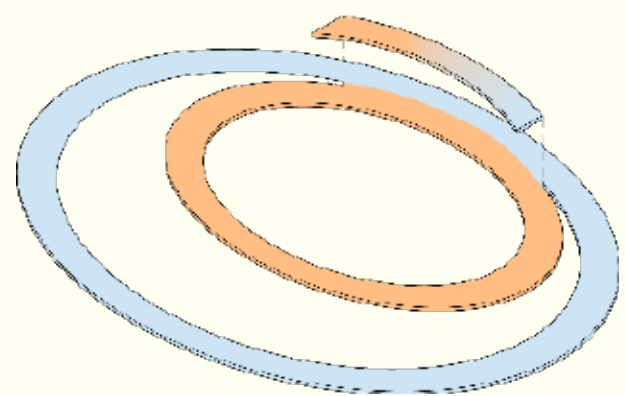
**(Bottom) View:** The two windows within the foyer allow passing visitors to see directly through the building, offering a view straight down the wetlands (pictured). This moment aims to catch their attention and draw them to the building.

Design Development

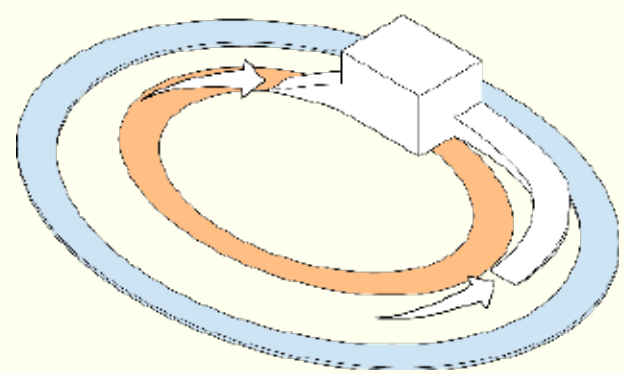




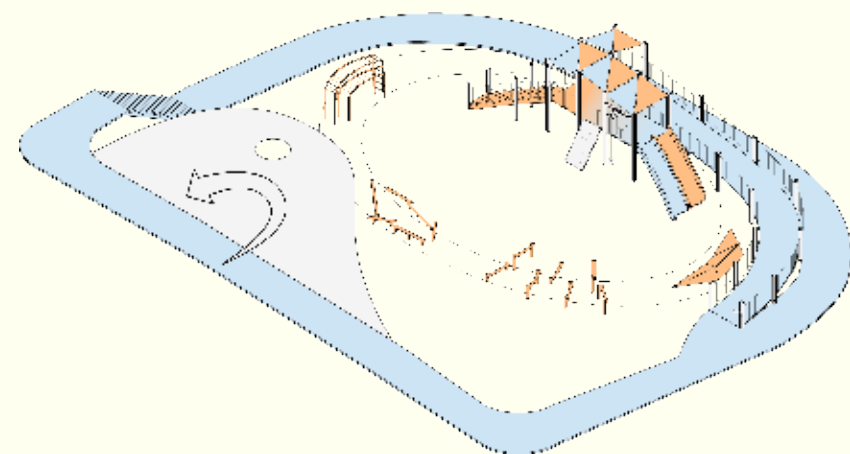
A sensory trail (blue) and obstacle course (orange) are combined,



Their intersection merges their play features into a two-storey structure.



This structure brings the users of both paths together seamlessly.



Activities and structures are distinguished by color to demonstrate their interlacing.



*“Loops playground intertwines two unique paths to combine their activities, visitors, and physical features into a single point, creating a centralized play structure.”*

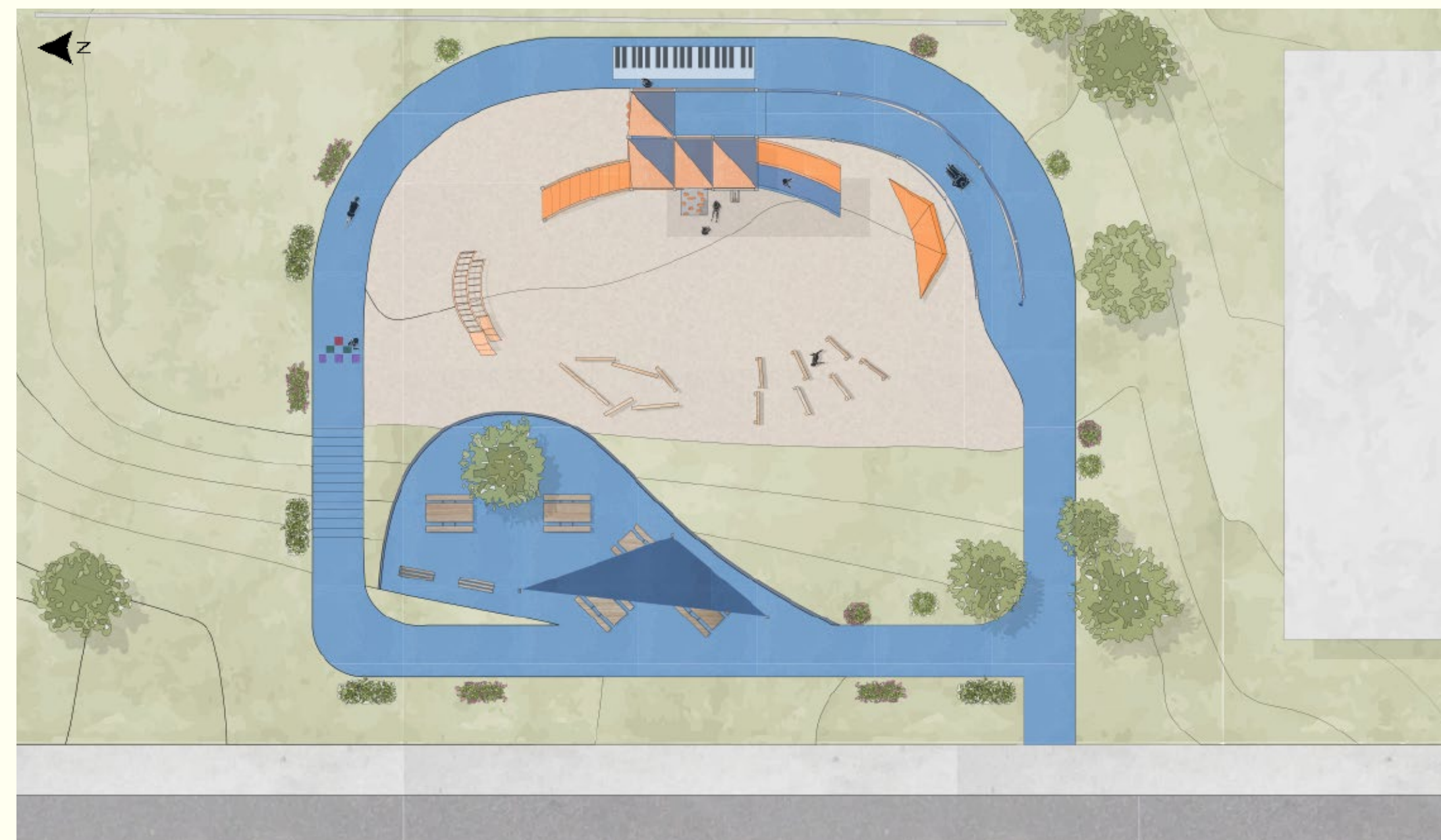
**Program:** Playground

**Location:** Antwerp Street, Sudbury, ON

**Semester:** 5th Semester

**Contributions:** 3D Modeling, Concept, Linework, Logo, Parti Diagrams, Perspective, Project Name

The color orange was used to enhance the energetic nature of the four-stage obstacle course, which was designed to engage the children’s social-emotional developmental domain. This is done through the integration of side-by-side obstacles, allowing for multiple children or caretakers to race at the same time. On the other hand, blue was chosen to represent the sensory trail as it embodies its slower and calmer experience. This path integrates flower beds and instruments along it to trigger the children’s touch, smell, and hearing while walking along.



**(Top) Antwerp Playground:** This photograph demonstrates the current state of the site.

**(Bottom) Site Plan:** The sensory trail adjacent to the street extends towards the play structure to create an observation deck for parents to be able to watch their children with ease, from a distance. (Site plan drawing done by Ali Tolba)

**(Next Page) Cross-Level Play:** The addition of a xylophone, drums, and talking tubes on both levels provides the opportunity for children to communicate or play together through their hearing as opposed to touching or seeing while on different levels.





## **Cédric Toupin**

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