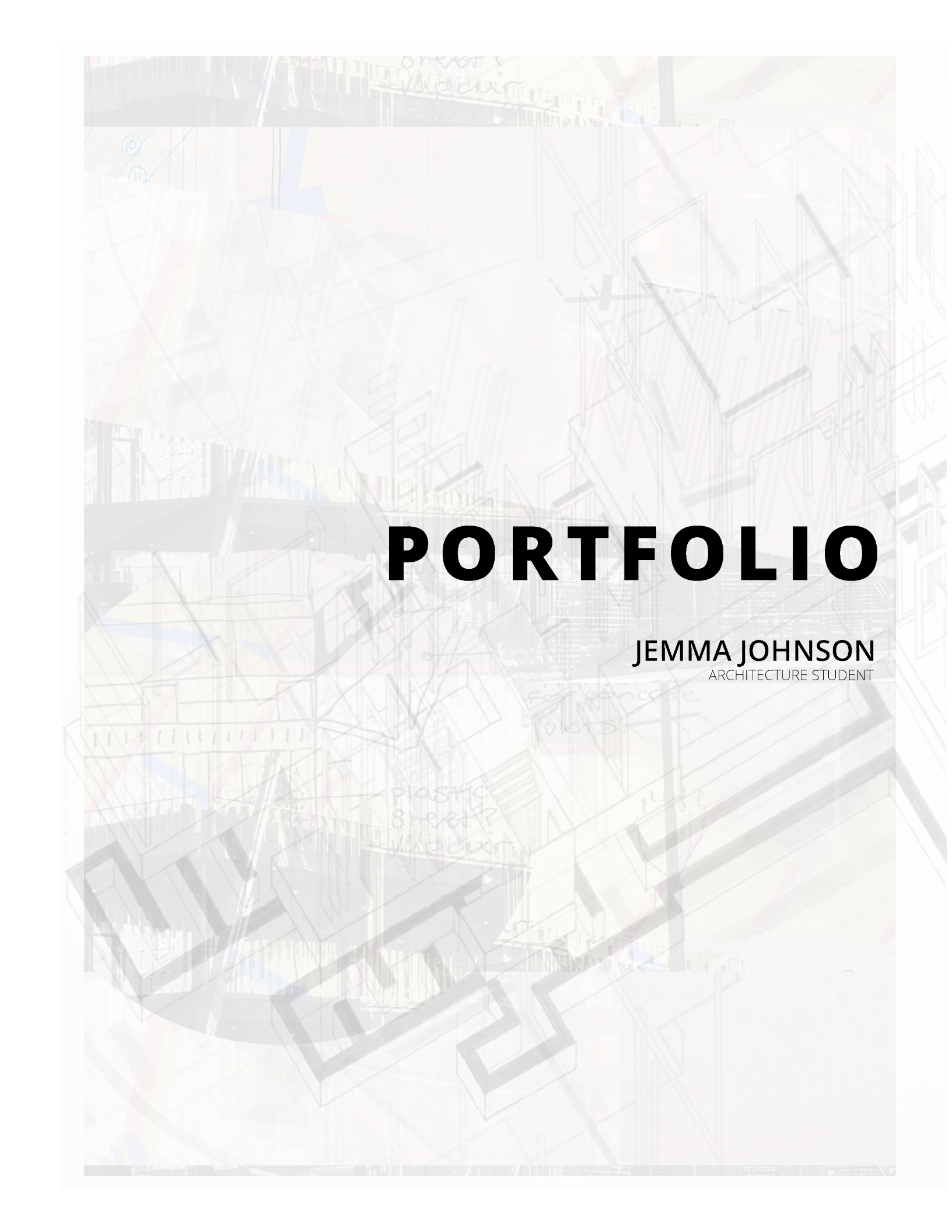


The background of the portfolio cover is a complex, layered architectural drawing. It features a dense grid of lines representing building footprints and structural elements. Overlaid on this are various hand-drawn sketches, including a large, stylized 'X' shape in the upper right, and several handwritten notes in a cursive script. The notes include 'street?', 'plastic street?', 'concrete', 'plastic', and 'plastic street?'. The overall color palette is muted, with greys, yellows, and blues, giving it a technical yet artistic feel.

PORTFOLIO

JEMMA JOHNSON
ARCHITECTURE STUDENT

CONTENTS

Project 01 - INTERTWINE

Adaptive Reuse of the E.B Eddy Industrial Complex into Outaouais Regional Museum

Project 02 - IDEAS IN PLACE

Interpretation Center for St.Micheal Ukrainian Catholic Church in Saskatchewan

Project 03 - ADAPTIVE VALLEY

Environmental School Design for Switzerland

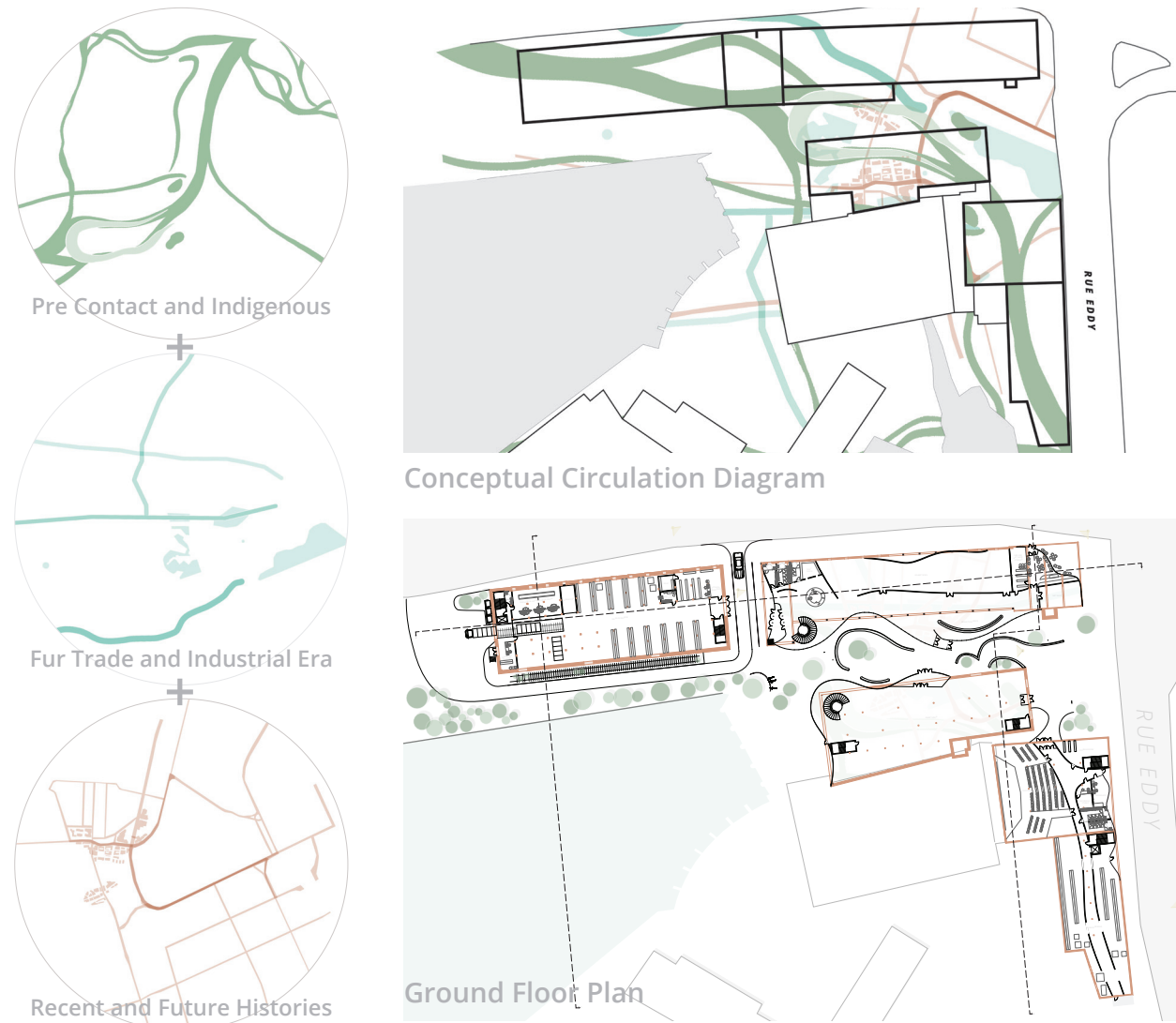
Project 04 - LIFE & LINES

Dwelling Design with Community Garden in Victoria, BC

Project 05 - IMAGINE

Dreamhouse Architectural Models

EXTRAS



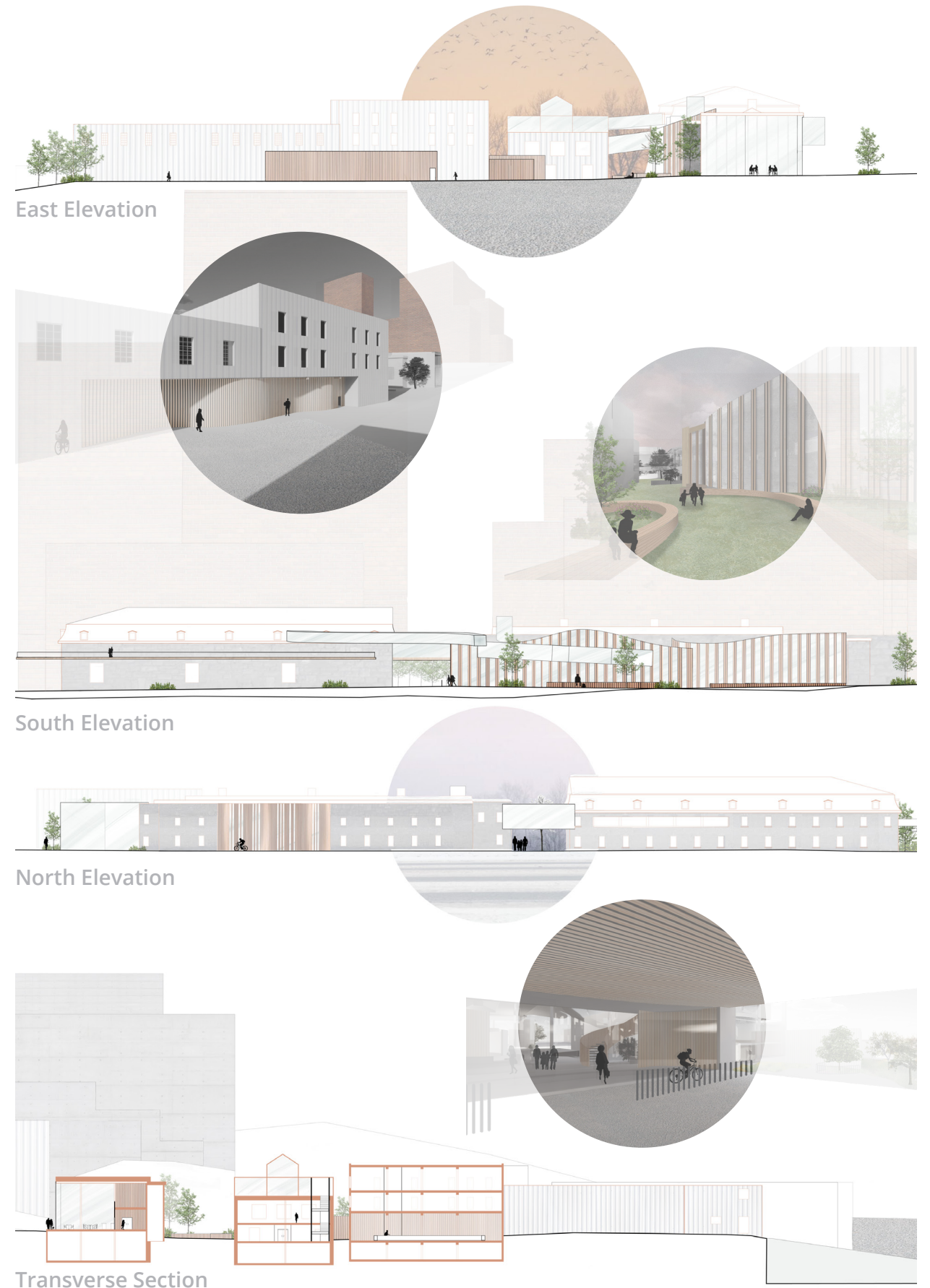
INTERTWINE

January 2023 - April 2023

Conservation Studio 3 @ Azrieli School of Architecture and Urbanism, Carleton University

Our project focuses on the idea of intertwining. To intertwine means to unite with another, to be mutually involved, and to be closely connected. This concept is rooted in the Outaouais Regional Museums Mission which focuses on bringing together the region's history and culture into a place where it can be celebrated and community members can identify with it and connect with each other. The idea also stems from the condition of the E.B Eddy buildings, which call for the intertwining of old and new fabric.

Our design and conservation philosophies also intertwine. Our design will focus on the relationships and crossroads created by the regions overlapping tangible and intangible histories. Our conservation approach will similarly aim to integrate the existing tangible evidence with the new additions alluding to the intangible. The forms of these will be organic further drawing from the concept of intertwine which can also mean to twist, or to curl around. The organic forms come full circle in reflecting the Regional Museum in their association with indigenous communities and the natural movement of people.



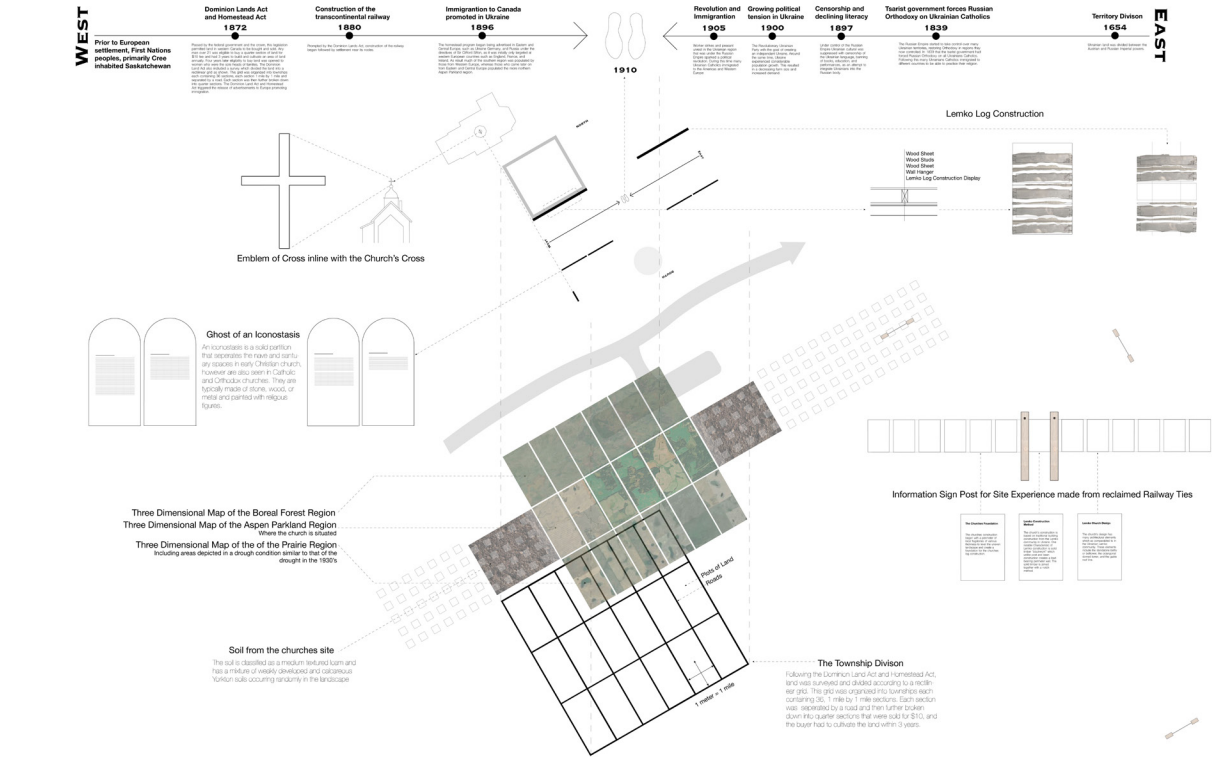
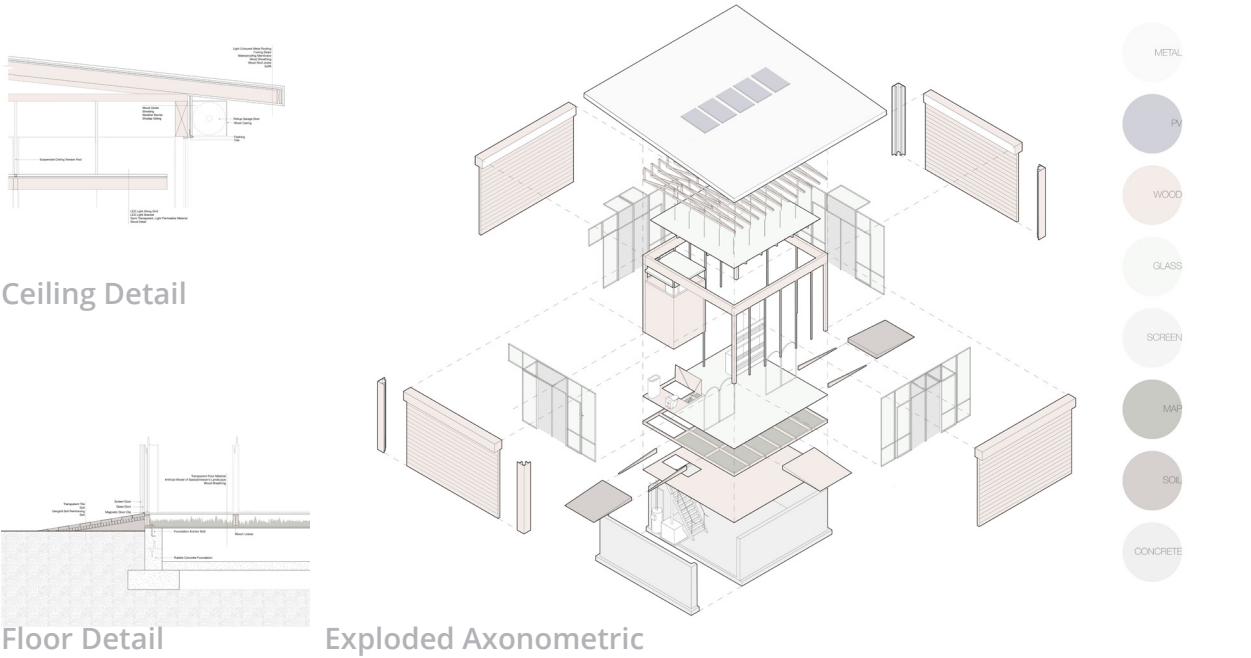
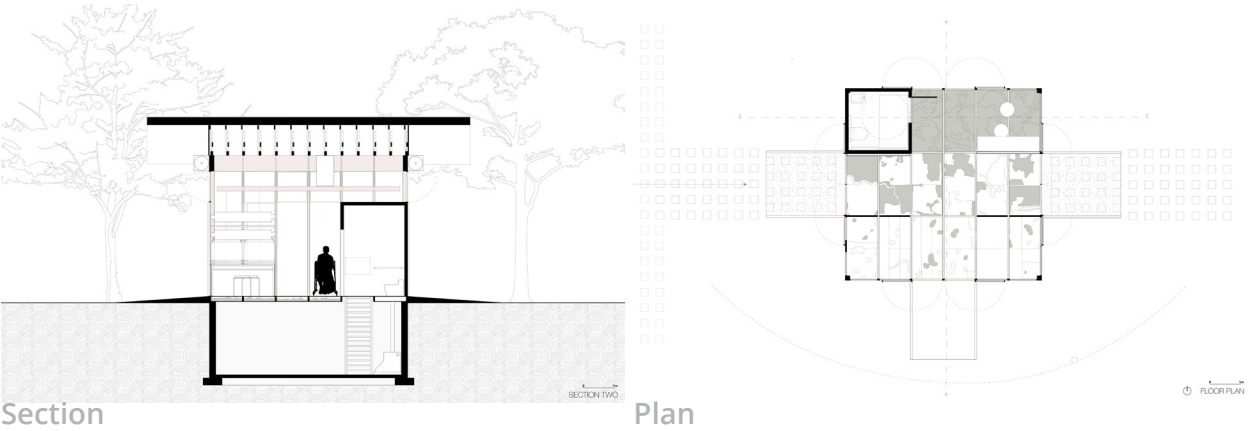
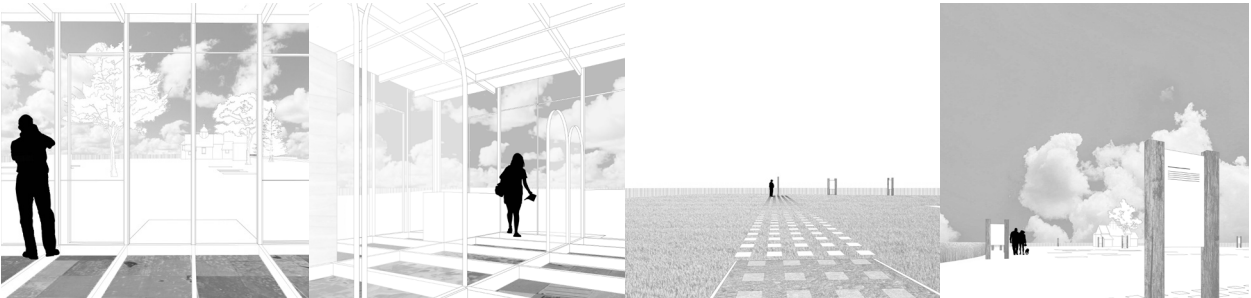


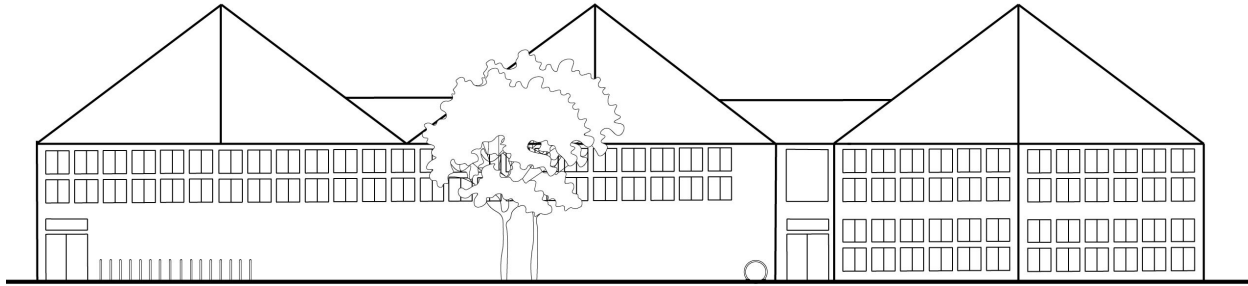
Exhibit Design Information Diagram

IDEAS IN PLACE

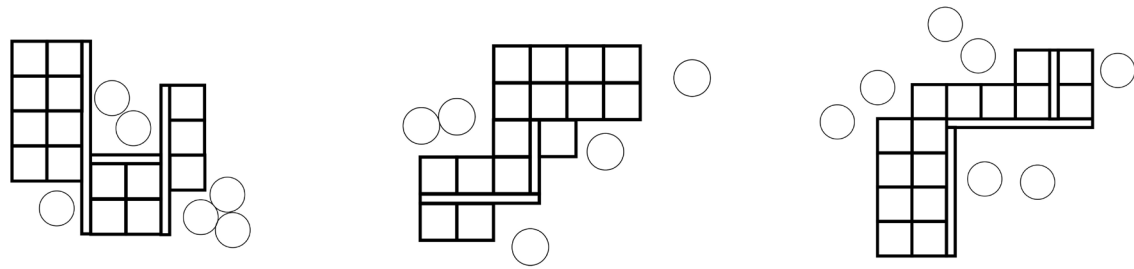
September 2022 - December 2022
Conservation Studio 2 @ Azrieli School of Architecture and Urbanism, Carleton University

This design proposal showcases an off grid interpretation centre for St. Micheals Ukrainian Catholic Church in the Ponass Lake region of Saskatchewan. The design is two fold, in order to understand the church as a relationship between Ukrainian ideas and the Canadian landscape, respectively showcased by the exhibit design and the building which holds it. The ideas brought to Canada from Ukraine in the early 20th century are showcased by physical displays and text. The subject matter relates to the construction methods of the Ukrainian Lemko community, the political context which brought Ukrainians to western Canada, and their religious beliefs. The building's organization is based on the township system that was implemented across western Canada containing 36, 1 mile by 1 mile sections. The churches location within its respective township in noted by an emblem of the cross on the west facade which is spatially in line with the cross on St. Micheals. The Canadian landscape is further emphasized by a three dimension map of Saskatchewan's major physiological regions within the floor, oriented to correspond to the site's cardinal directions. The church's location and by extension the visitors location in the Aspen Parkland region is noted by the primary circulation path on the map. The large sky which dominates Saskatchewan's landscape is emphasized in the building's section with the integration of a suspended ceiling creating the appearance of a continuous sky. The large spatial separation between the church and the interpretation centre is meant to encourage the visitor to explore the church's site, and is aided by information sign posts which stand above the surrounding wheat fields.





Elevation



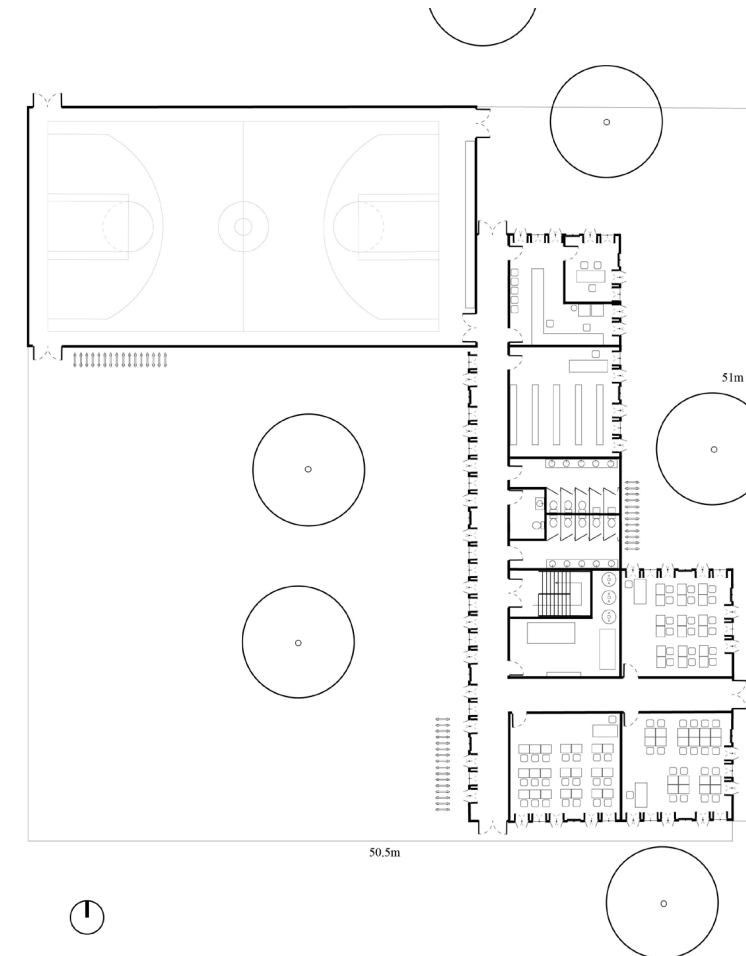
Massing Diagram Options

ADAPTIVE VALLEY

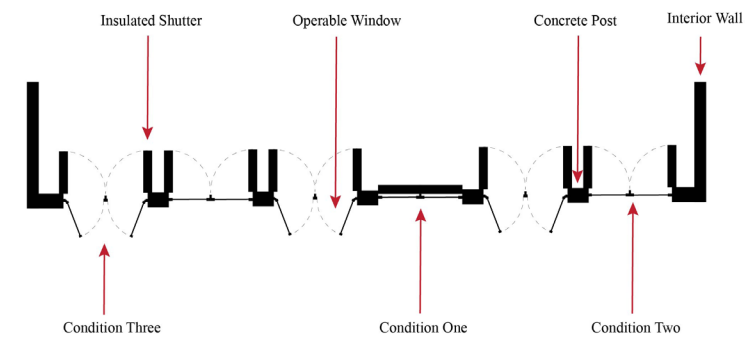
October 2021 - December 2021

Architecture and the Environment @ Carleton University

Adaptive Valley is a conceptual school design for Bondo, Switzerland. The project focuses on creating an environmentally conscious school design that responds to the climate and environmental challenges of Bondo. Due to the mountainous landscape of Switzerland, avalanches and mudslides occur regularly, this is enhanced by the weakening permafrost caused by global warming and heat island effect. Because of this, trees and forested areas in Switzerland are protected, as they help mitigate these landslides. As response to this environmental challenge, the massing for the school is designed to be modular to facilitate the buildings ability to adapt to its site and current placement of trees, and cause as little damage as possible, which is aided by a slab on grade foundation to not disrupt root systems. Each module has a high slope roof, in case a small mudslide or avalanche does occur, the high slope will help to move some of the weight off the roof, helping to prevent possible collapse. Additionally, to help mitigate the heat island effect, white roofs have been added. Another challenge of the area is sunlight. Due to the orientation of the mountain range, the town receives no direct sunlight some months of the year. To address this, the perimeter of the school adopts a mobile facade design, facilitated by double hinge shutters, the first layer used to control light, through the day and seasons, and the second layer used to control airflow and ventilation through the building.



Ground Floor Plan

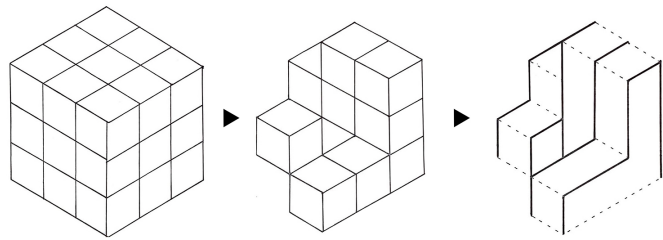


Mobile Facade Diagram





Ground Floor Plan



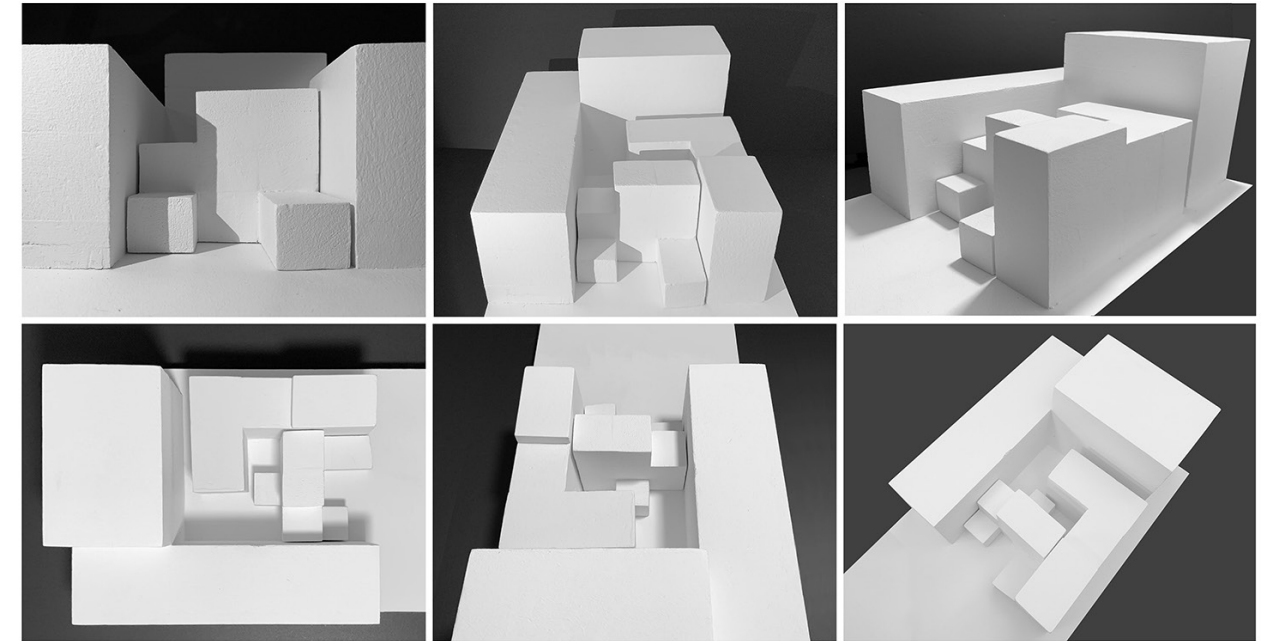
Parti Diagram

LIFE & LINES

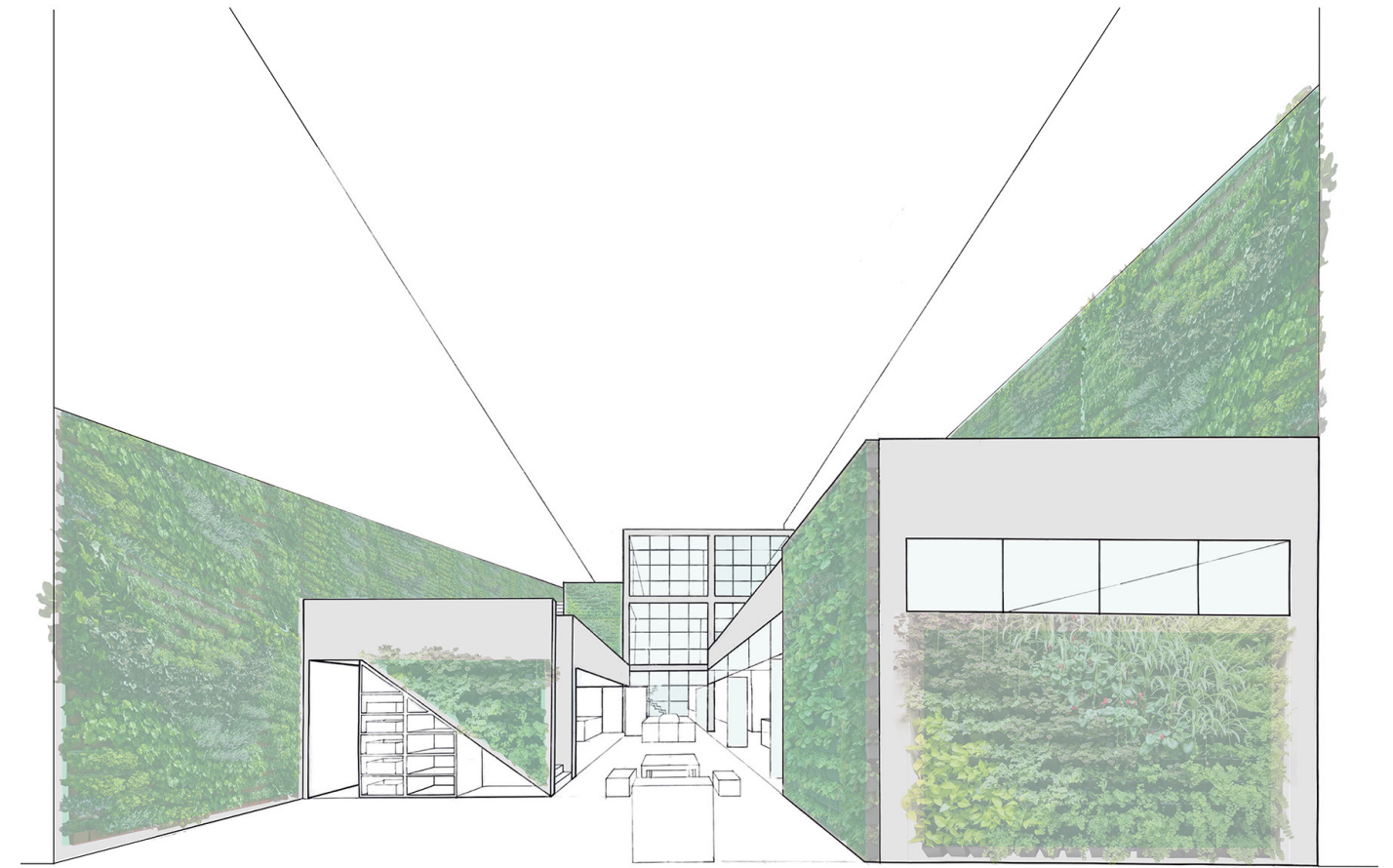
APRIL 2021

Studio 1 @ Azrieli School of Architecture and Urbanism, Carleton University

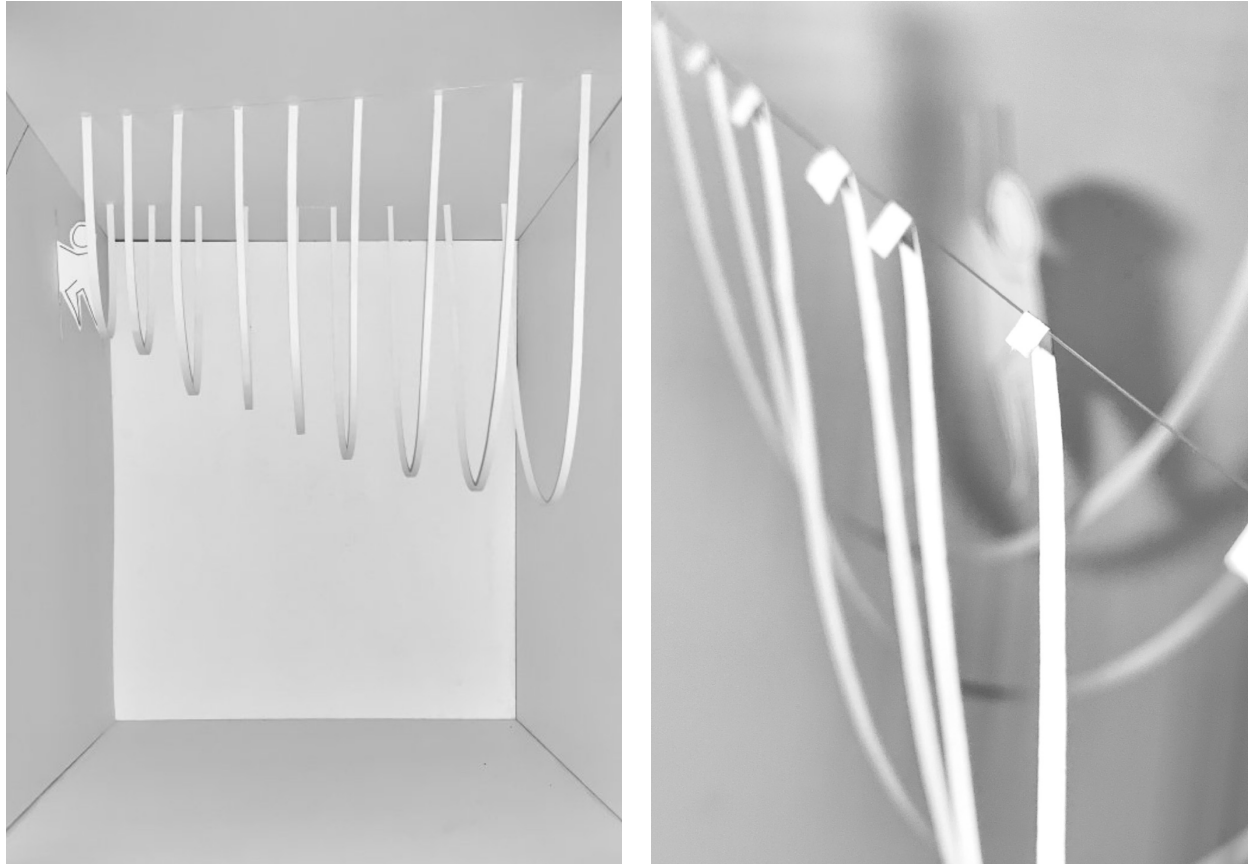
This is not just a home, it's a space of living, working, resting, and growing, it's an introduction of nature into the cityscape. The project occupies a pocket of Victoria BC, where people can come to gather and share its primary function of a community garden, food pantry and kitchen. The stepped profiles seen in the parti's second iteration, represent terraces which are enhanced by the vertical gardens ascending the neighbouring buildings. The third iteration of the parti emphasizes the four lines that divide the space, defining separation between a family of four (a couple, their child, and a grandparent), and the community. The lines in the parti are symbolic, as lines are a vital asset to all design. The recreation room and studio cater to the families work and hobbies within the design field. The final feature of this property is the outdoor kitchen that connects the family with the community; the extension of both kitchens encourages people to interact within the space. Overall, the project is a pause in the cityscape, and offers light and nature while creating privacy in the urban environment.



Massing Model Images



Parti Diagram



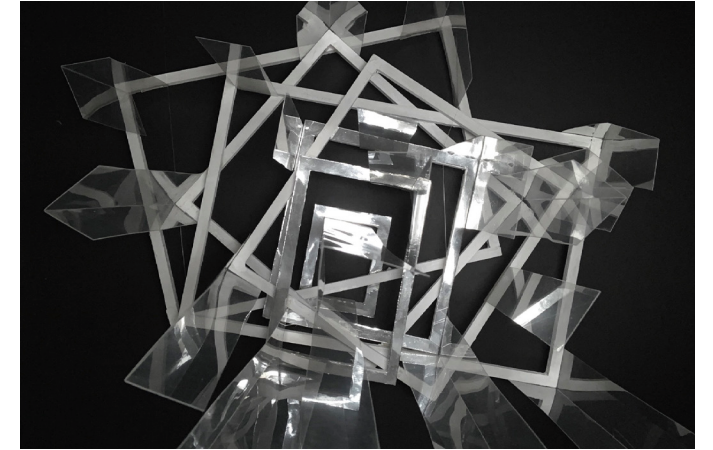
Staircase to the Dreamhouse

Imagine

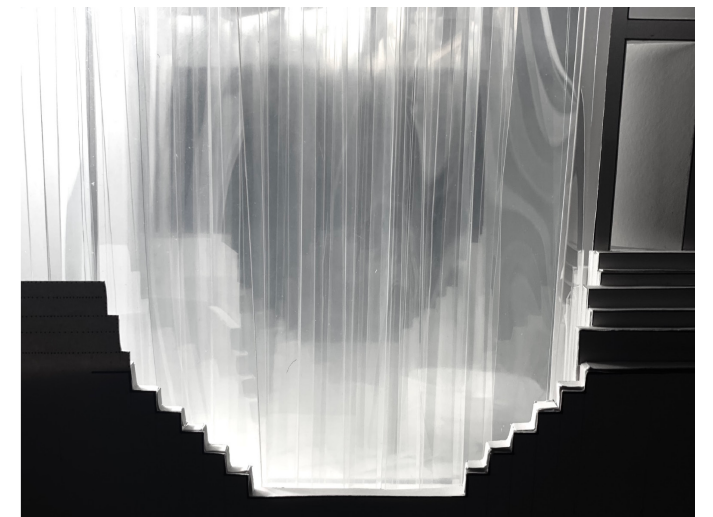
September 2020 - December 2020

Drawing @ Azrieli School of Architecture and Urbanism, Carleton University

Imagine walking up a staircase in a dream and as you take each step the next one appears. Imagine a thinking space that is constantly changing and can never be understood by the reflections made from its surroundings. Imagine walking further into that space and have the walls rise up into the ceiling.



Suspended Ceiling Stories

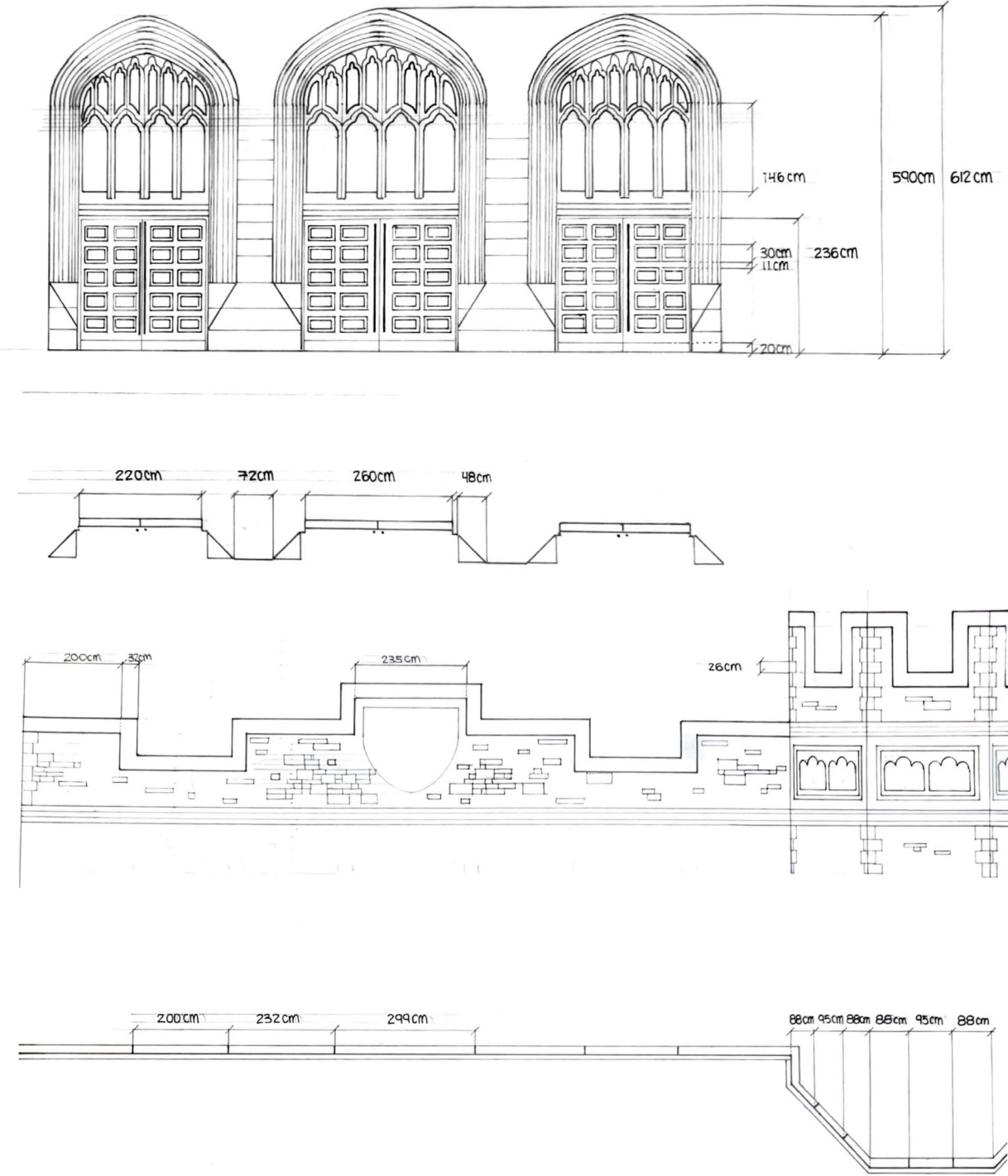


Drawing out of the Flatland



THE SPACE BETWEEN

January 2020
Admissions Portfolio @ Carleton University



**VICTORIA MEMORIAL MUSEUM
CHARACTER DEFINING ELEMENTS**

January 2021
Fundamentals of Conservation and Sustainability @ Carleton University



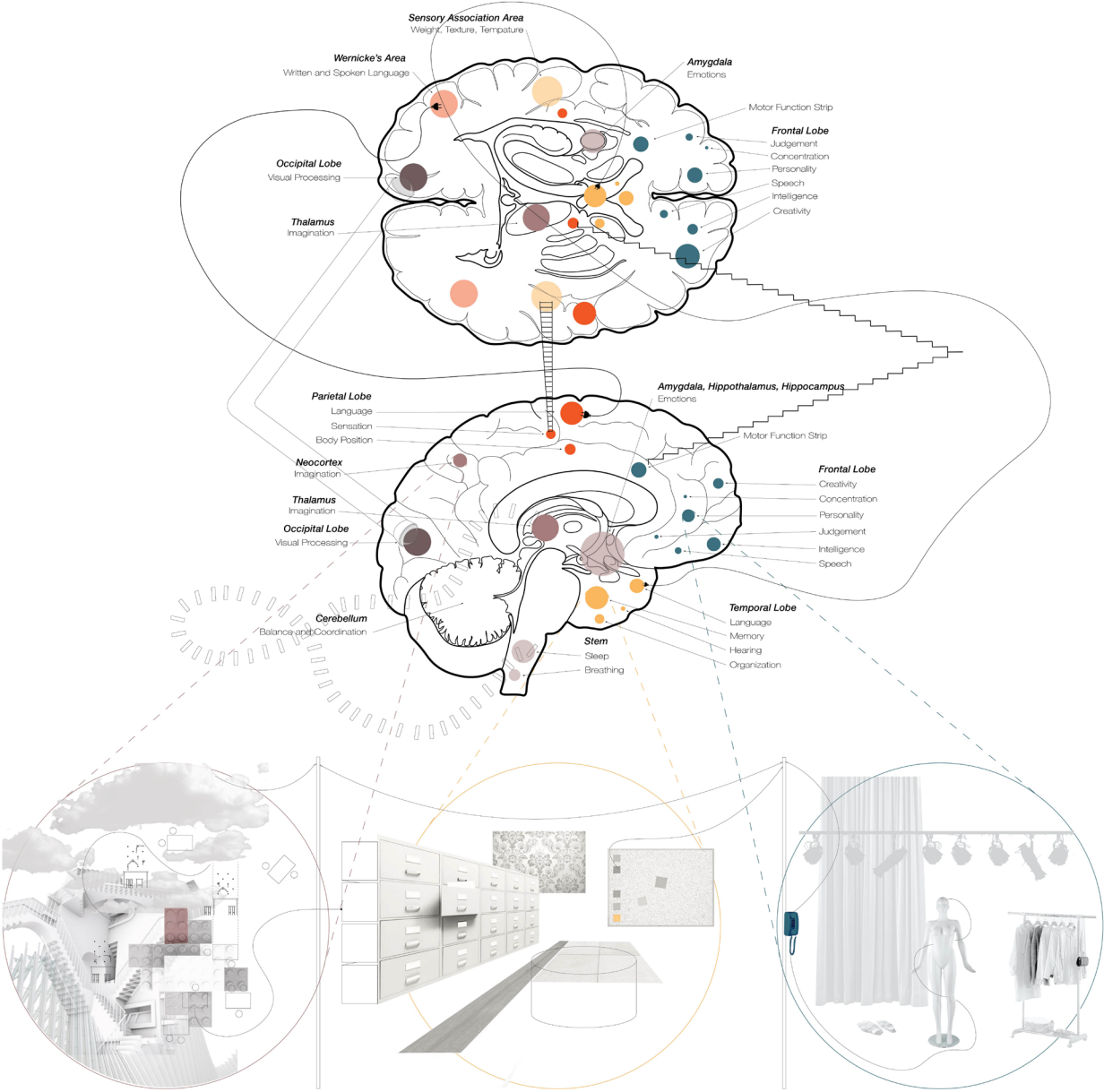
STRUCTURAL MODEL

December 2021
Architectural Technology 1 @ Carleton University



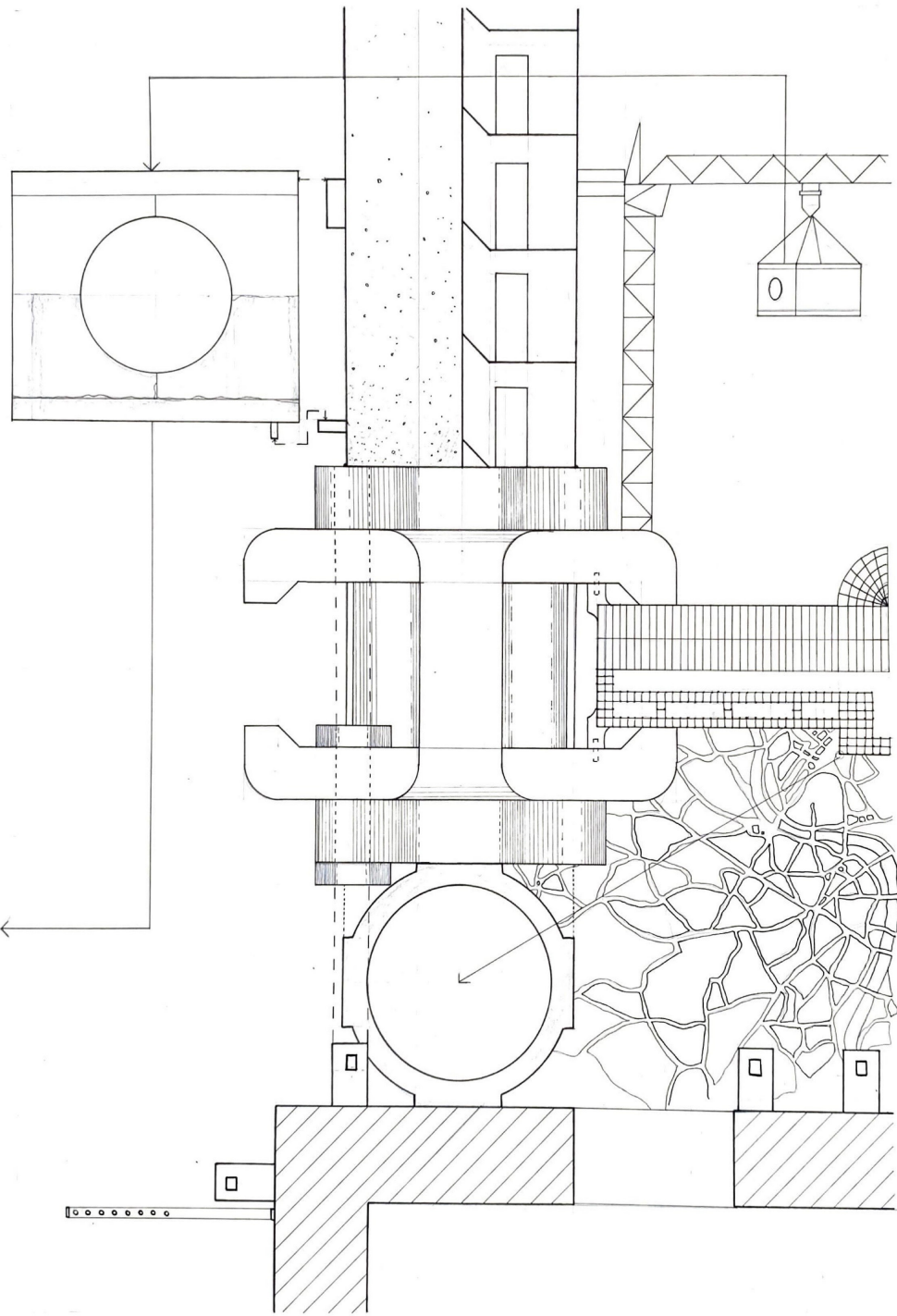
**“THE IT ROOM”
RENDER AND PHOTO COLLAGE**

March 2022
Digital Theory and Practices @ Carleton University



COGNITIVE SPACE

July 2022 - August 2022
Personal project



**“Designing Connections for Building Lifecycles”
Research Exploration Drawing**

October 2022
Recycling Architecture in Canada and Abroad @ Carleton University