



LILLIAN EL-KADRI

MASTERS OF ARCHITECTURE PORTFOLIO

LILLIAN EL-KADRI

B.A. HONOURS ARCHITECTURAL HISTORY

CONTACT INFORMATION

2805 Grand Canal Street,
Ottawa, Canada

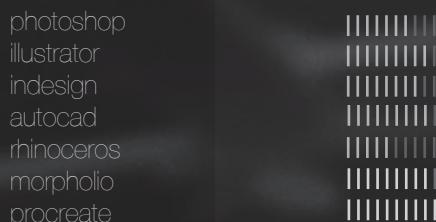
(613) 227-6464
lillianelkadri007@gmail.com

PROFICIENCIES

language



software



technical



WORK EXPERIENCE

Environment and Climate Change Canada – *Administrative Information and CAD Assistant*

July 2022 - Present

- Consistently surpassed daily and monthly performance indicators.
- Created, maintained and updated AutoCAD drawings pertaining to workplace modernization project currently implemented within the National Capital Region.
- Worked individually and collaboratively amongst various departments in order to ensure seamless project launches within federal sites.
- Provided professional and guided AutoCAD support on a National Scale.
- Negotiated and maintained deadlines, while further managing budgetary considerations and client-related requests.

GameStop, Barrhaven, Ontario – *Senior Sales Associate*

October 2021 - Present

- Successfully solved critical problems in a timely manner.
- Consistently achieved quarterly performance indicators.
- Provided excellent customer service, ensuring customer retention and satisfaction.
- Supervised and trained cashiers and other department workers while assuming daily and weekly responsibilities, such as paperwork and inventories.

Trade Secrets, Barrhaven, Ontario – *Store Manager*

October 2019 - July 2021

- Consistently surpassed daily and monthly performance indicators
- Provided excellent customer service, ensuring customer retention and satisfaction.
- Engaged in meaningful conversations with customers in order to precisely offer solutions that are specifically tailored to their unique needs.
- Processed customer complaints/concerns and actively worked to provide solutions in a timely and efficient manner.
- Effectively maintained a team-oriented environment.

Lillian El-Kadri

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JACKSON, WYOMING

TOPOGRAPHICAL STUDY AND CULTURAL CENTRE

In conducting a topographical study of the East Gros Ventre Mountain, near Jackson, Wyoming, the site comes to be understood as an integral feature of the neighbouring town's natural landscape and inherent identity.

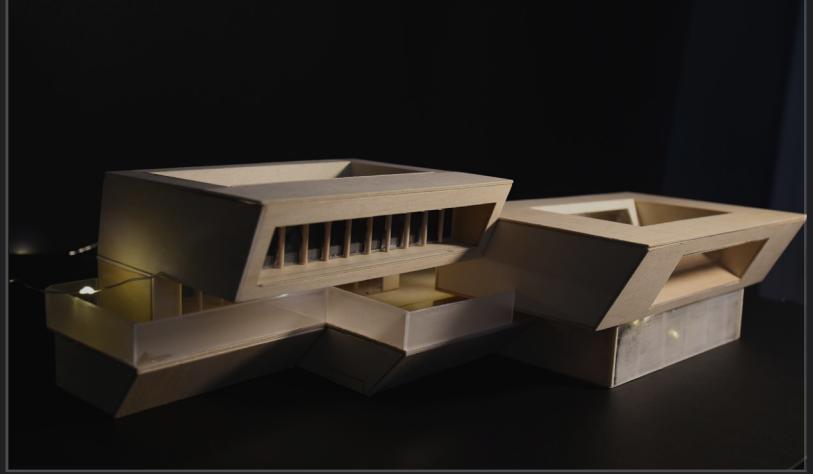
The Cultural Center, also referred to as THE OUTPOST, located near the peak of the mountain offers a series of lounging areas, meeting rooms, and lookouts, coupled with a library and a hall recognizing the surrounding environment's natural beauty and the town's cultural significance.

01

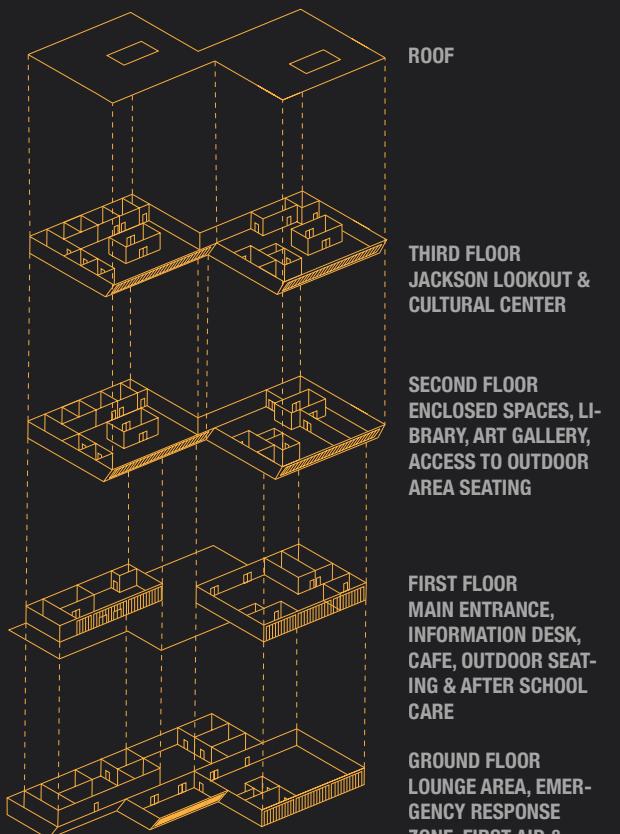
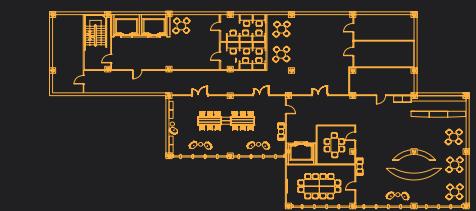
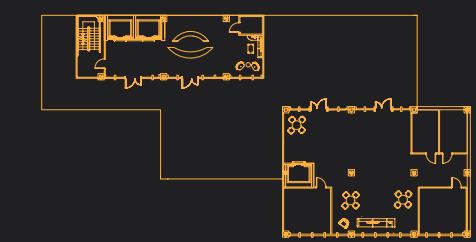
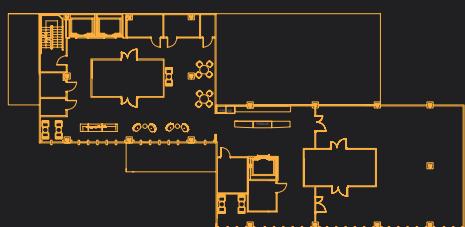
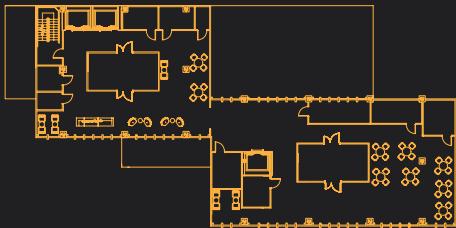
TOPOGRAPHY



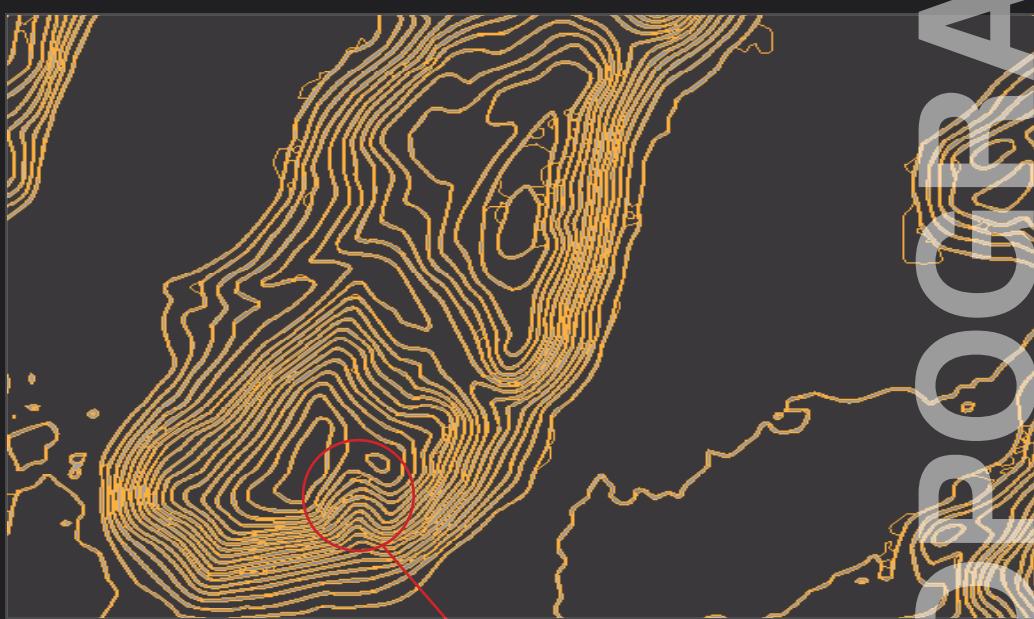
CARDBOARD REPRESENTATION



PHYSICAL MODEL



ISOMETRIC



SITE

MATERIAL STUDY: WOOD



Renowned for its versatility, wood is regarded as a cost-effective building material that offers structural strength, durability and resiliency. However, the material is often overlooked when attempting to produce architectural elements that are organic in form.

In exploring the various manners in which wood can be manipulated, the concepts of gridshells and kerf cuts came to be particularly intriguing. Furthermore, an additional study was conducted in order to discern the material's loadbearing capabilities. The result of this study finds that building elements that are hexagonal in shape tend to maintain their integrity when faced with an overwhelming mass.

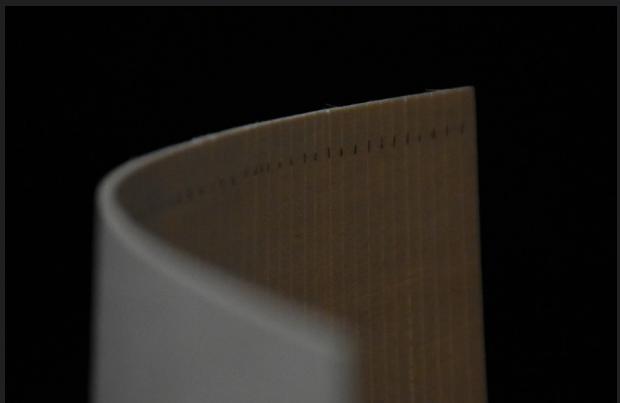
In using gridshells, builders are able to produce structural elements that are fluid in form and possess impressive structural capabilities. Similarly, kerf cuts allow for sheets of wood to bend in excess of 90-degrees with very little tension, while maintaining structural composure.

Such methods of conceptualization allow for prefabricated construction, while further enabling timber-based construction to appropriate modern principles.

GRID SHELL



EASY MANEUVERING ALLOWS FOR PREFABRICATED CONSTRUCTION AND TRANSPORTATION



ISOLATED KERF CUT



ISOLATED HEXAGON MODULE



HEXAGON MODULE IN PRACTICE

EVOLO MAGAZINE 2023 SKYSCRAPER COMPETITION

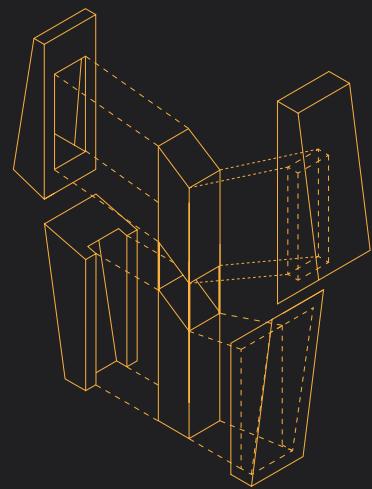


eVolo Magazine invites architects, students, engineers, designers, and artists from around the globe to take part in the 2023 Skyscraper Competition, in which “The participants should take into consideration the advances in technology, the exploration of sustainable systems, and the establishment of new urban and architectural methods to solve economic, social, and cultural problems of the contemporary city including the scarcity of natural resources and infrastructure and the exponential increase of inhabitants, pollution, economic division, and unplanned urban sprawl”.

As such, in adhering to the prompt of the design competition, this skyscraper design utilizes themes of abstraction in order to convey the silhouette of a structure within the built environment. The additional components added to the main glass tower, convey themes of horizontality in this vertical design.

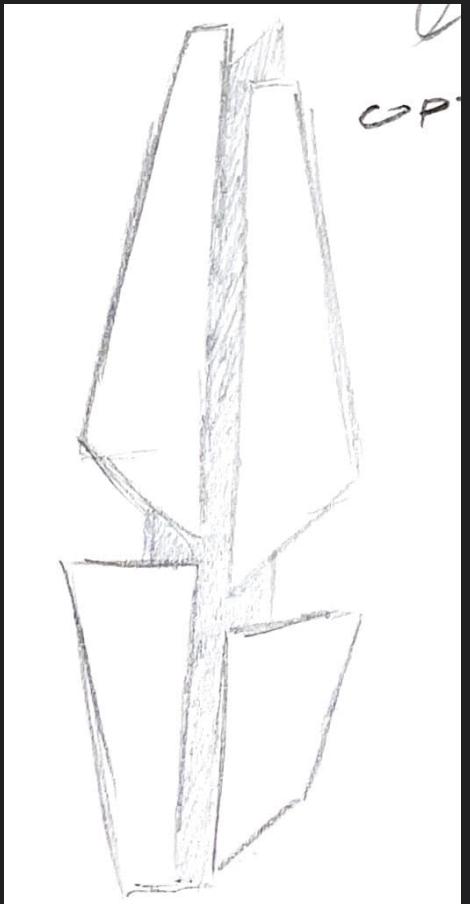


ISOMETRIC DRAWING

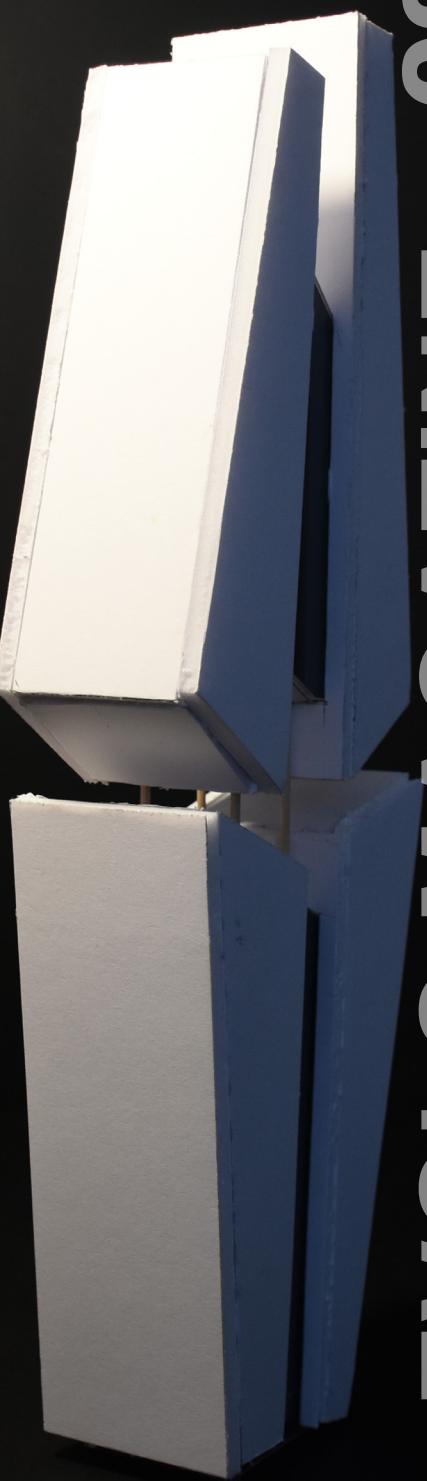
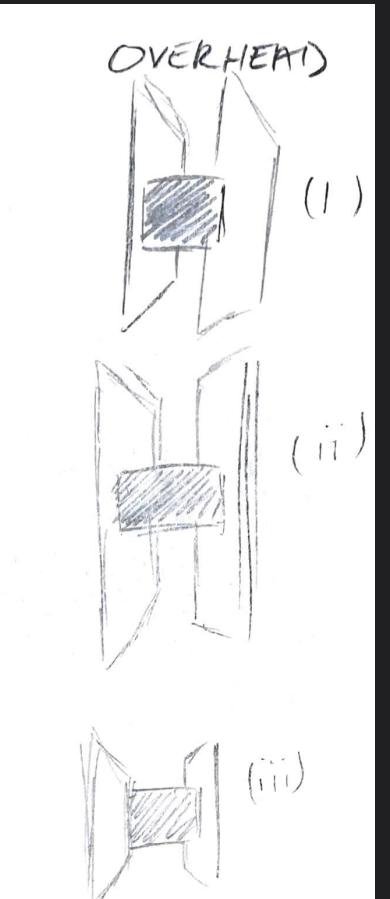


EXPLODED AXONOMETRIC

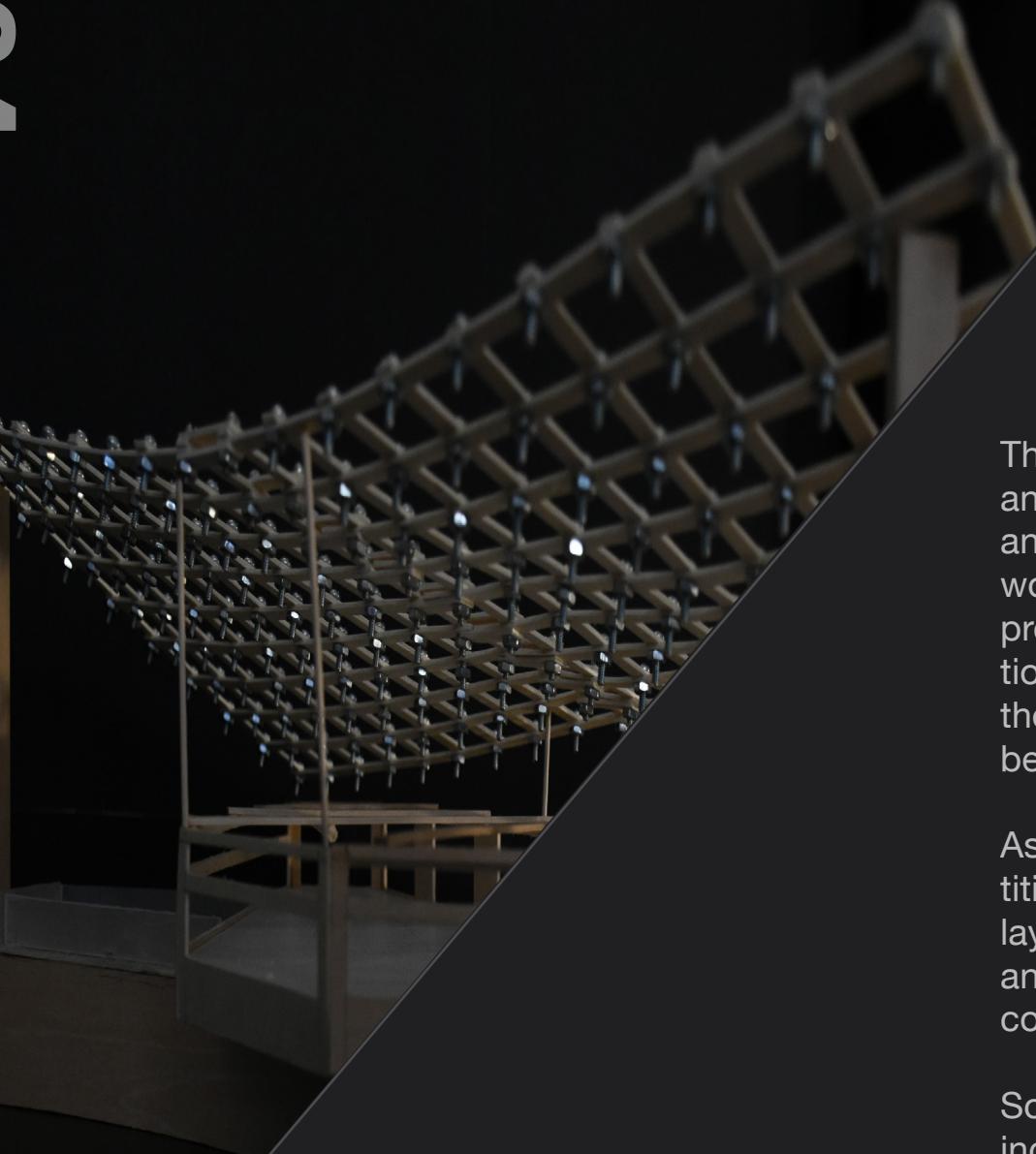
STREAMLINED CONCEPT SKETCH



OVERHEAD BUILDING FOOTPRINT ANALYSIS



WOOD DESIGN & BUILDING AWARDS



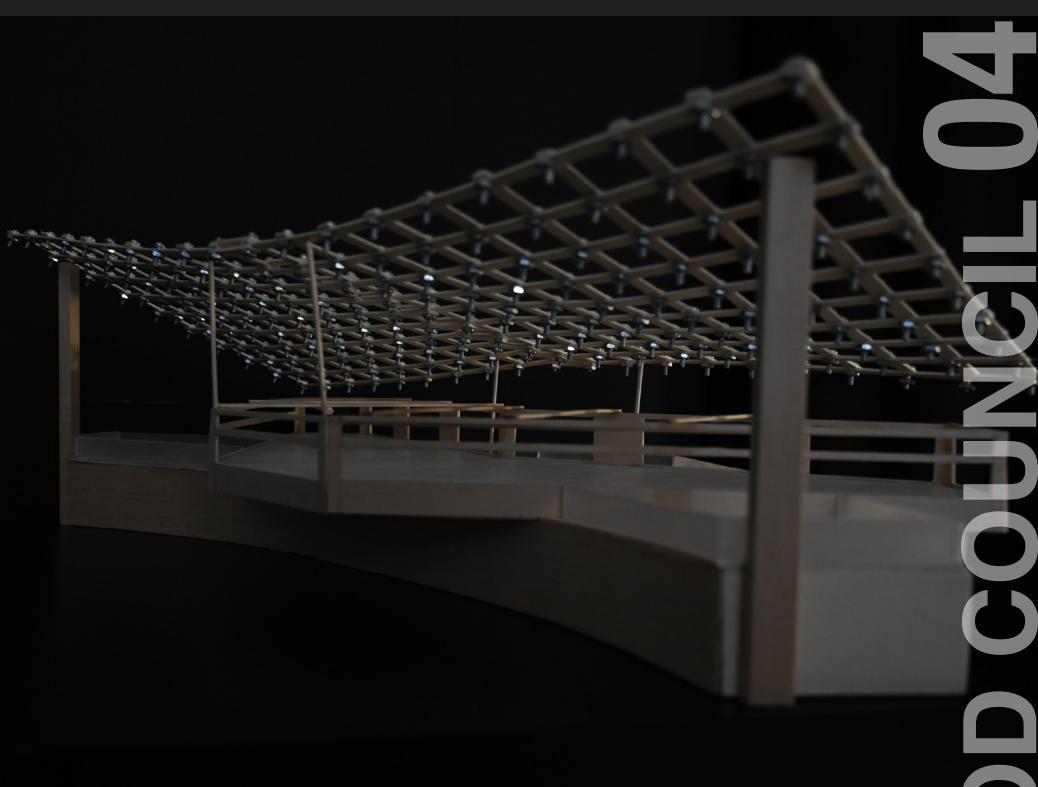
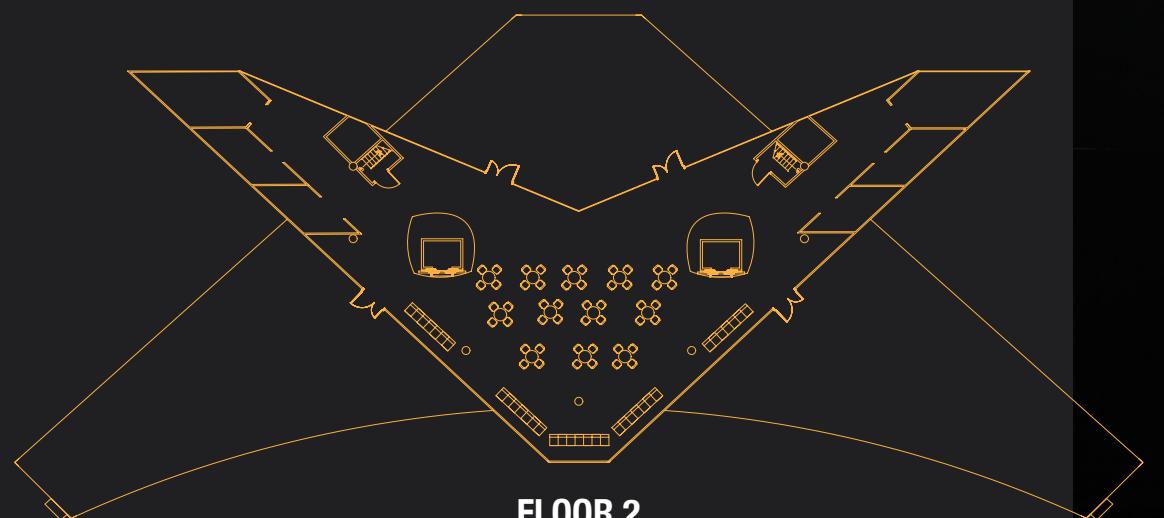
The Wood Design & Building Award “invite North American and International submissions to the 2022-23 Wood Design and Building Awards program recognizing excellence in wood architecture. Entries should showcase the use of wood products in any, or several, of their many forms and applications. Entries should also demonstrate an understanding of the special properties of wood including strength, durability, beauty, and cost-effectiveness”.

As such, in adhering to the prompts of the design competition, this site is primarily marked by a two-storey airport layover area, which includes gourmet dining options, lounge, and a rest area, allowing travellers to experience a sense of comfort while they await their next flight.

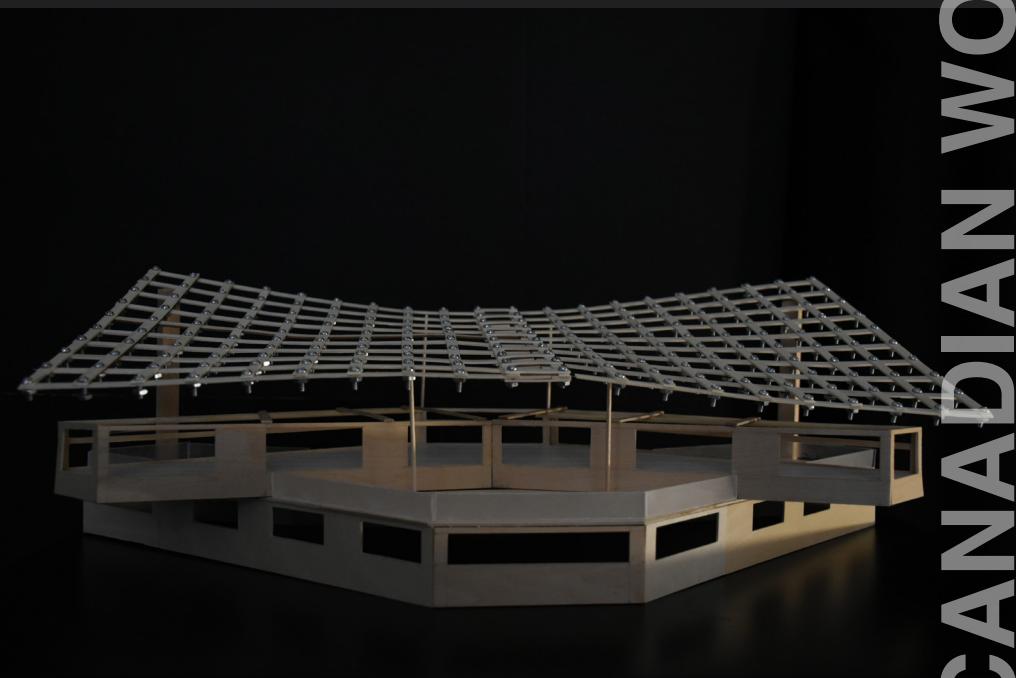
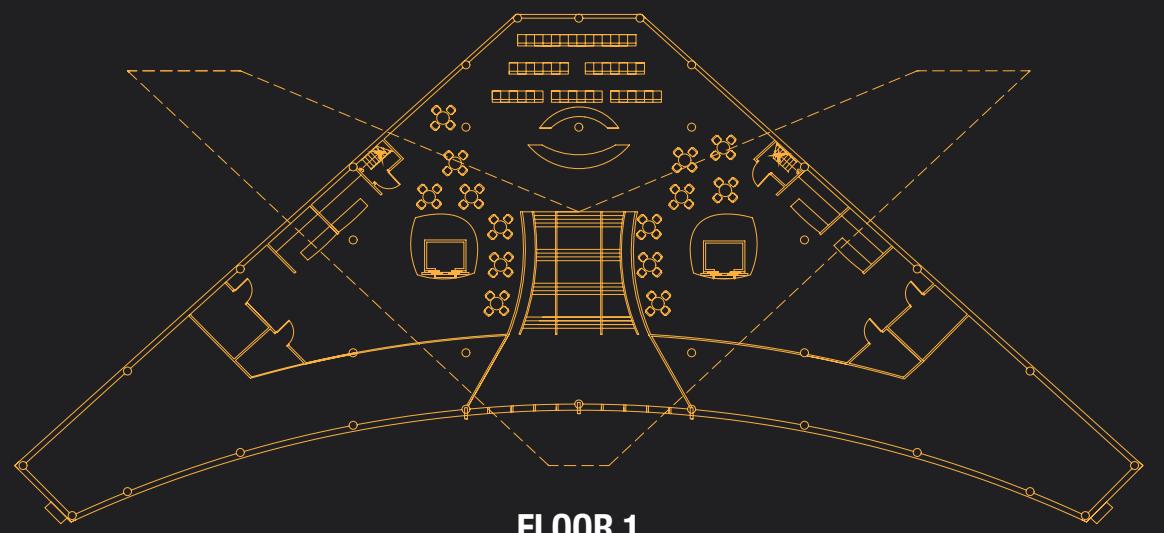
Some of the building’s most notable structural components include the use of the kerf cut, as well as the use of a grid-shell roof to allow for a fluidity in form and space.



Canadian Wood Council
Conseil canadien du bois



MODEL EXHIBITING USE OF KERF CUT AND GRIDSHELL ROOF



REAR OF MODEL

05 ADAPTIVE REUSE

ADAPTIVE REUSE: SHIPPING CONTAINERS

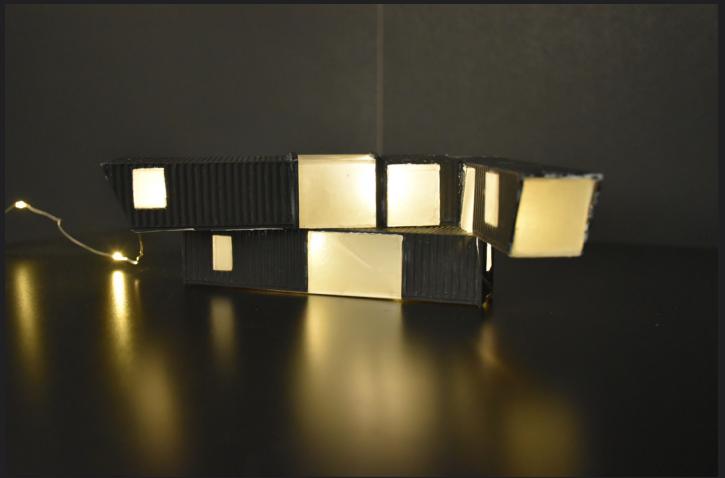


In exploring various methods of construction in order to accommodate for the dire need for affordable housing, themes of adaptive reuse came to be especially prevalent. In transforming former shipping containers into a modern home, the client is offered an opportunity to live in a sense of modernity at a fraction of the cost of homes on the current market.

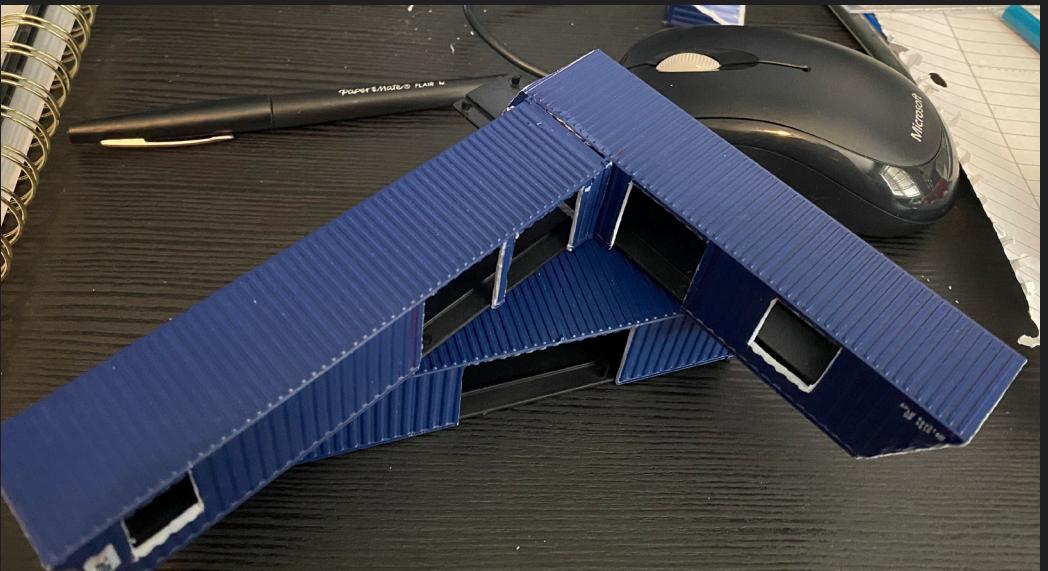
In placing the containers on a varying axis, the site is brought to a new dimension, as this allows for outdoor seating areas, as well as a sheltered area for vehicles.



BUILDING LAYOUT EXPLORATION



LIGHTING EXPLORATION





PERSONAL PROJECTS

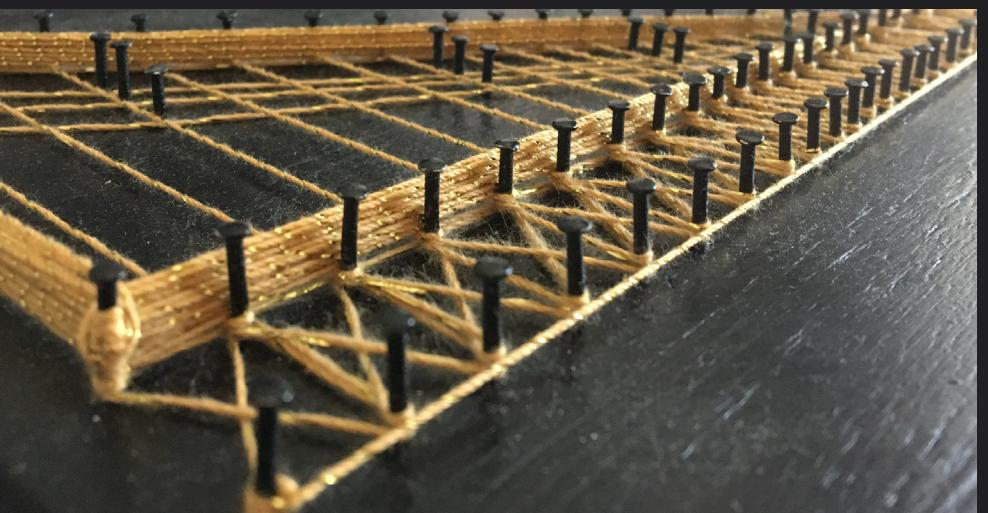
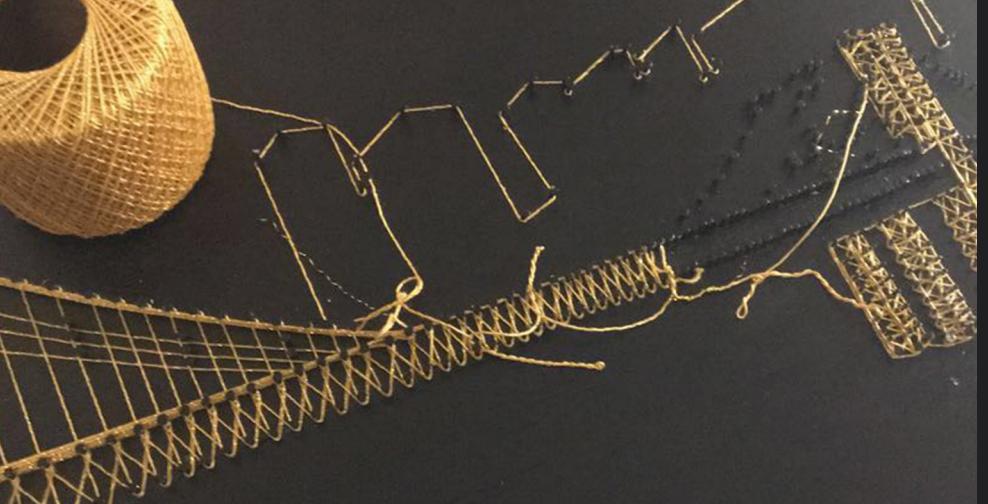
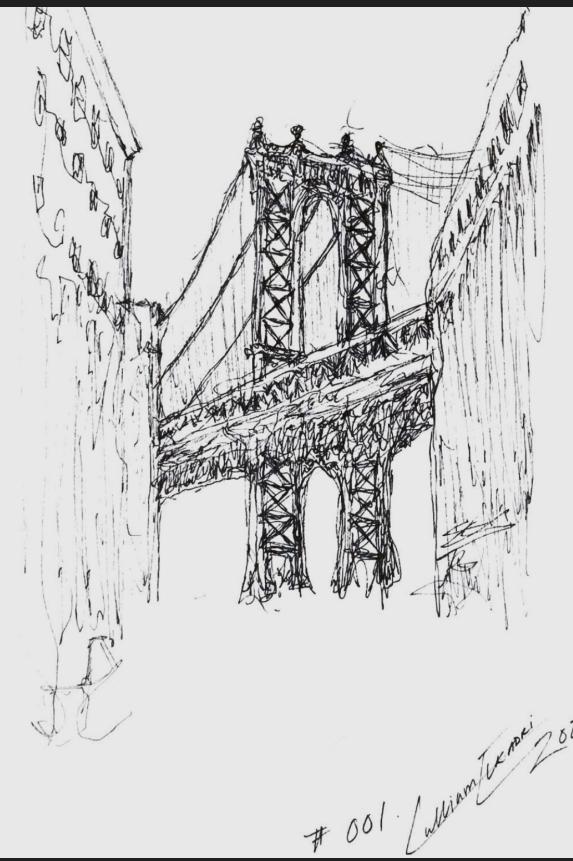
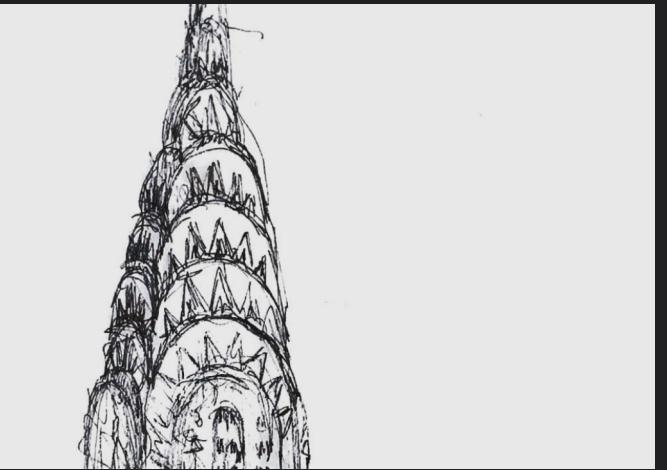
NEW YORK CITY

Some of the personal projects presented within this facet of the portfolio particularly include the depiction of the Brooklyn Bridge (completed in 2018) through the means of nails and a single string. Through the calculated placement of the nails and the careful weaving of the string, the Brooklyn Bridge came into fruition.

Some additional personal projects within this chapter come to include a series of two-minute freehand sketches of some of my most cherished architectural sites, including the Empire State Building, the Chrysler Building, and the Manhattan Bridge.

PERSONAL PROJECTS

06





GREATNESS FROM SMALL BEGINNINGS

**THANK YOU FOR YOUR
CONSIDERATION**



William F. Kennedy