

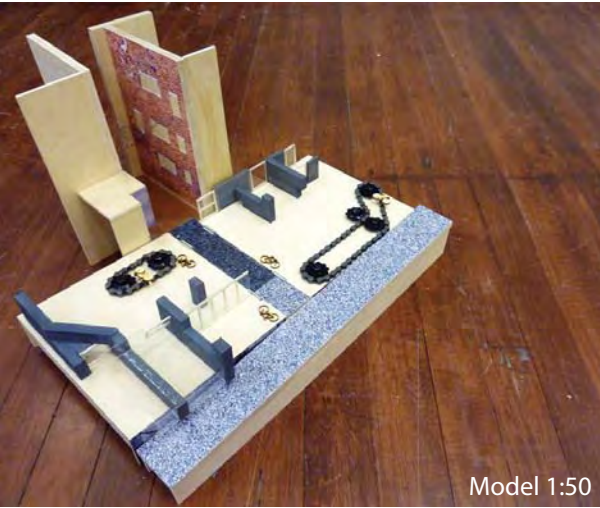
PORTFOLIO

design-lin.com

Grace Lin
[M.Arch Prof.](#)

gracelin.arch@gmail.com





Bike.Bar

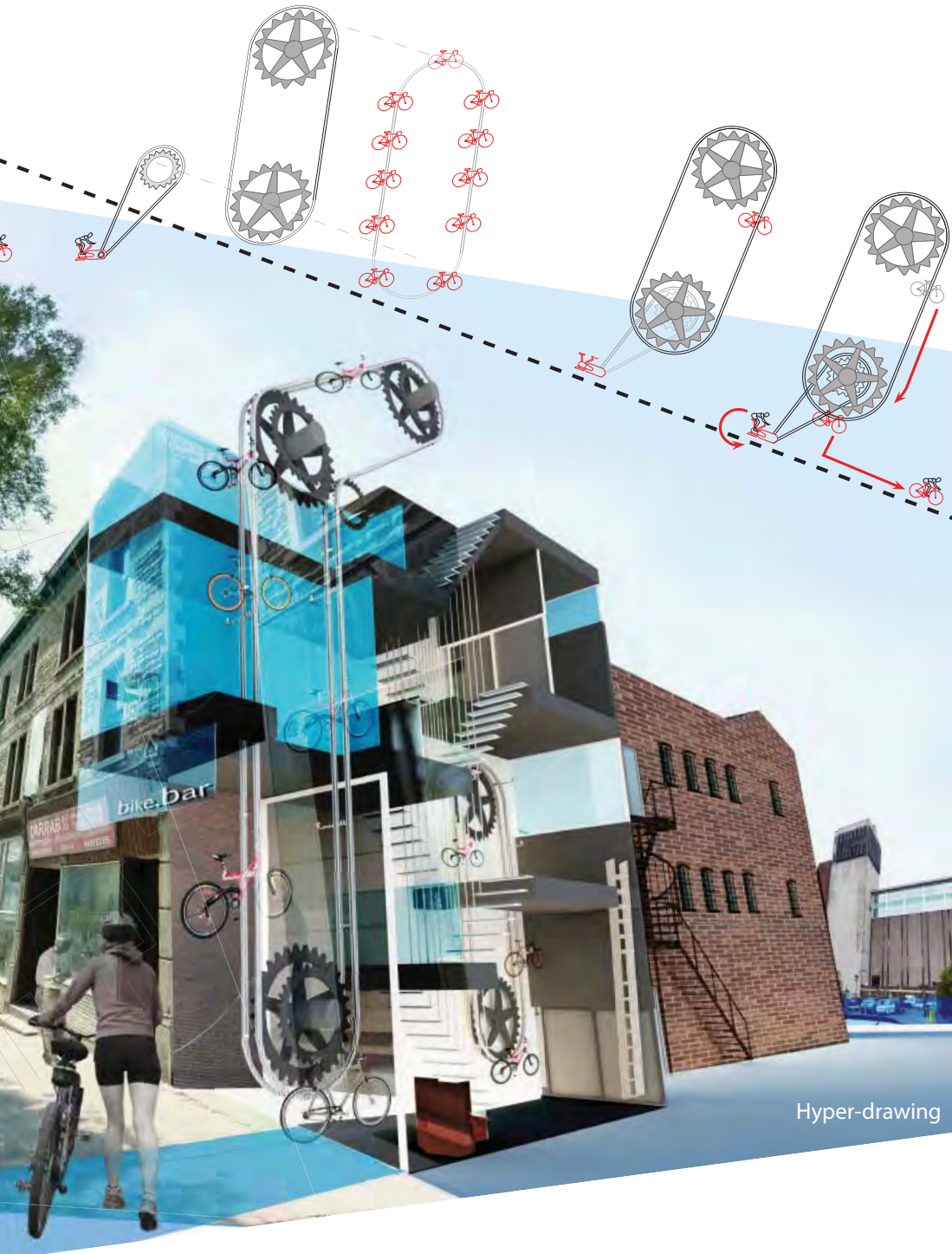
Level M.Arch

Site Boulevard of St-Laurent, Montreal. A 2, 3 m wide narrow alleyway between 2 commercial buildings of St-Laurent

Objective of the Project Given the program of bike shop and bar, I had to re-appropriate an alleyway on Boul. St-Laurent while developing a concept and a Hyper-drawing (multi-faceted drawing combining information of its programs, functions, context and etc)

Description of Design Objectives and Concept Like many alleyways of the area, my site revealed many depth and level of interest, unseen from the public street. My immediate preoccupation was how circulation was to be established, especially for the given program. By unfolding, the two walls of the adjacent buildings became my ground plane for bike parking and bike circulation. Using a similar mechanical system, inspired from the bicycle's chain drive, the elevators are the core, the "Machine" of my project.

Tools used Adobe InDesign, Illustrator, Photoshop, Premiere, AutoCad, Sketch-Up + V-Ray



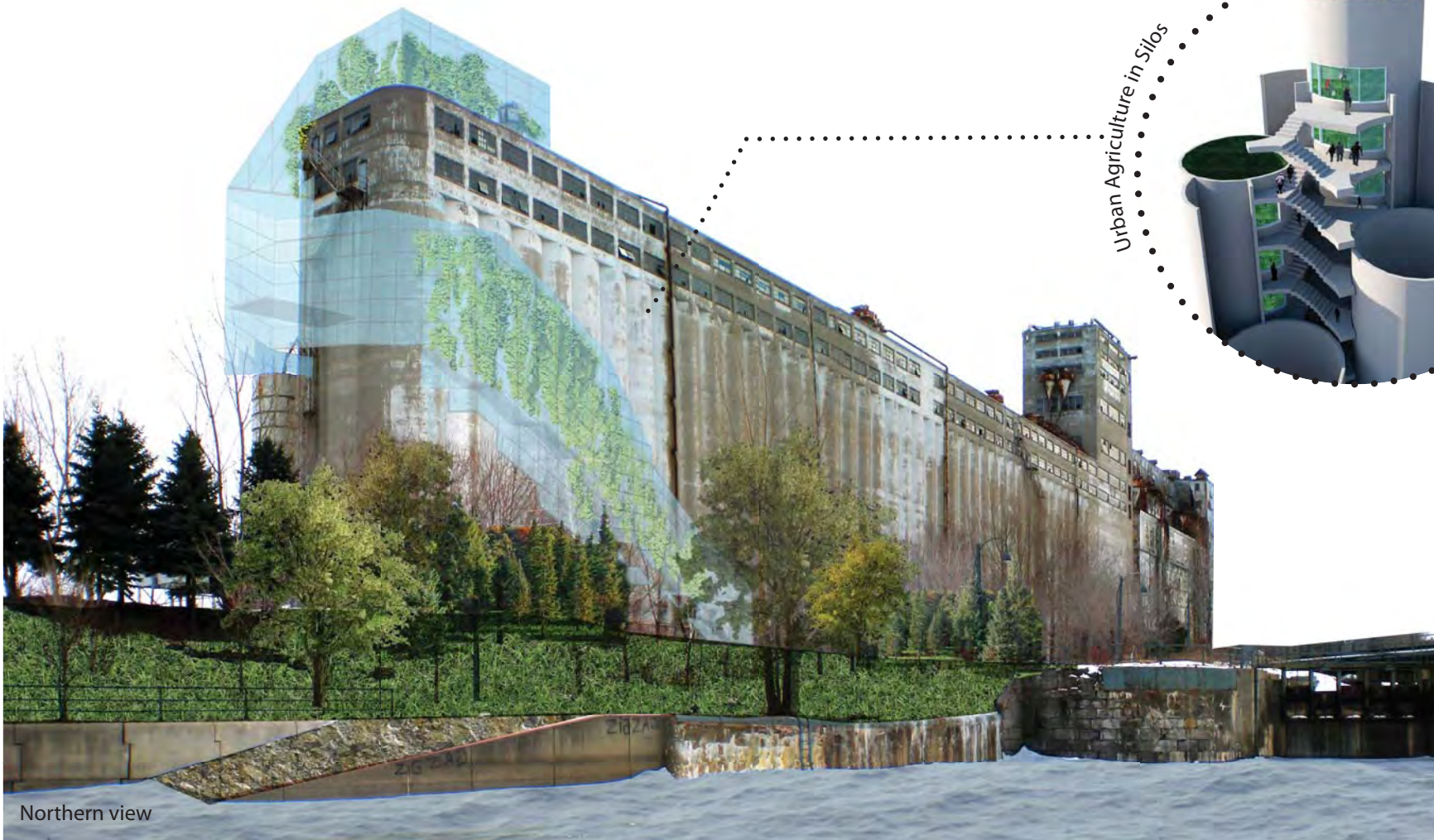
Hyper-drawing



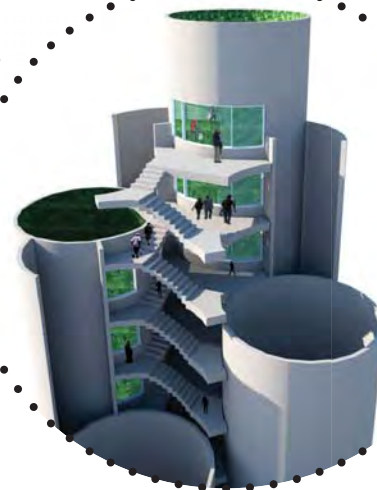
Video Scenes



Model 1:100



Urban Agriculture in Silos




The Grain Silos

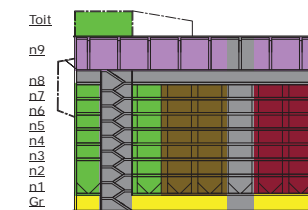
Urban agricultural environments in the silos for various purposes, no open shell of the Silos. Products in the market with minimum e

Agricultural

 Agriculture in Silos

 Compost

 Produce Storage



Savoring Montreal

Grain Silo#5

Level M.Arch

Site Silo #5, Old Port of Montreal

Teammates Mira Mui (B.sc Arch), Tristan Desjardins- Drouin (Bac Eng. Civil), Bianka Bourgeois (Bac Eng. Civil), Stephane Cormier (Bac Eng. Civil), Karl Provost (Bac Eng. Mec , Jean-Christophe Voyer (Bac Eng. Mec), Jean-Philippe Gagnon (Bac Eng. Mec)

Objective of the Project A competition teaching integrated project design between architects & engineers to refurbish the old abandoned Grain Silos #5
Please visit: <http://savourezmontreal.design-lin.com>

is achieved in highly controlled envi-
concrete Silos. For heritage protection
enings will be made on the exterior
However we have found several prod-
et which can provide artificial light
energy consumption.

Commercial

- Observatory
- Reception hall
- Market
- Restaurants + Shops

Educational

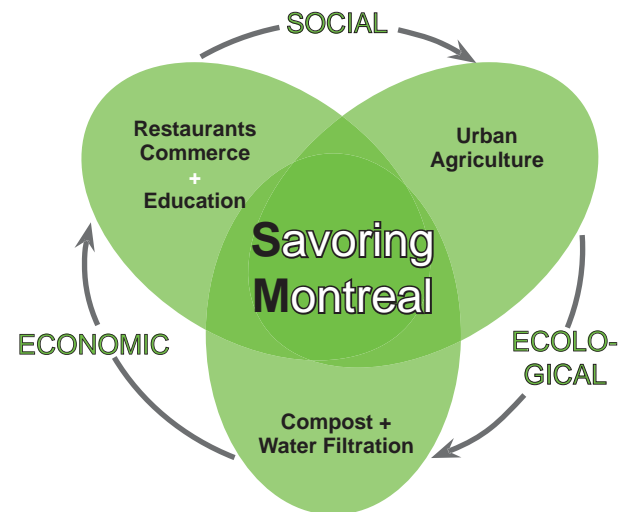
- Museums + Workshops

Support

- Circulation
- Mechanical Silos
- Offices



Program layout



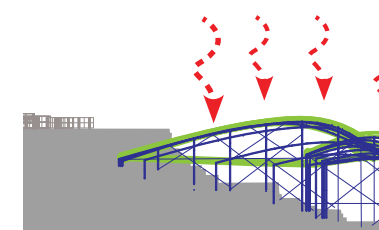
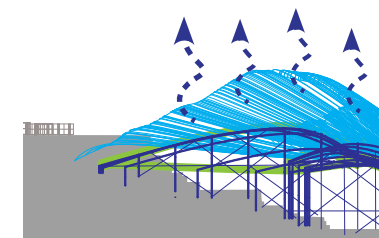
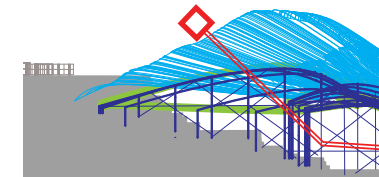
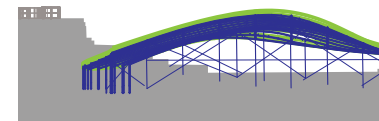
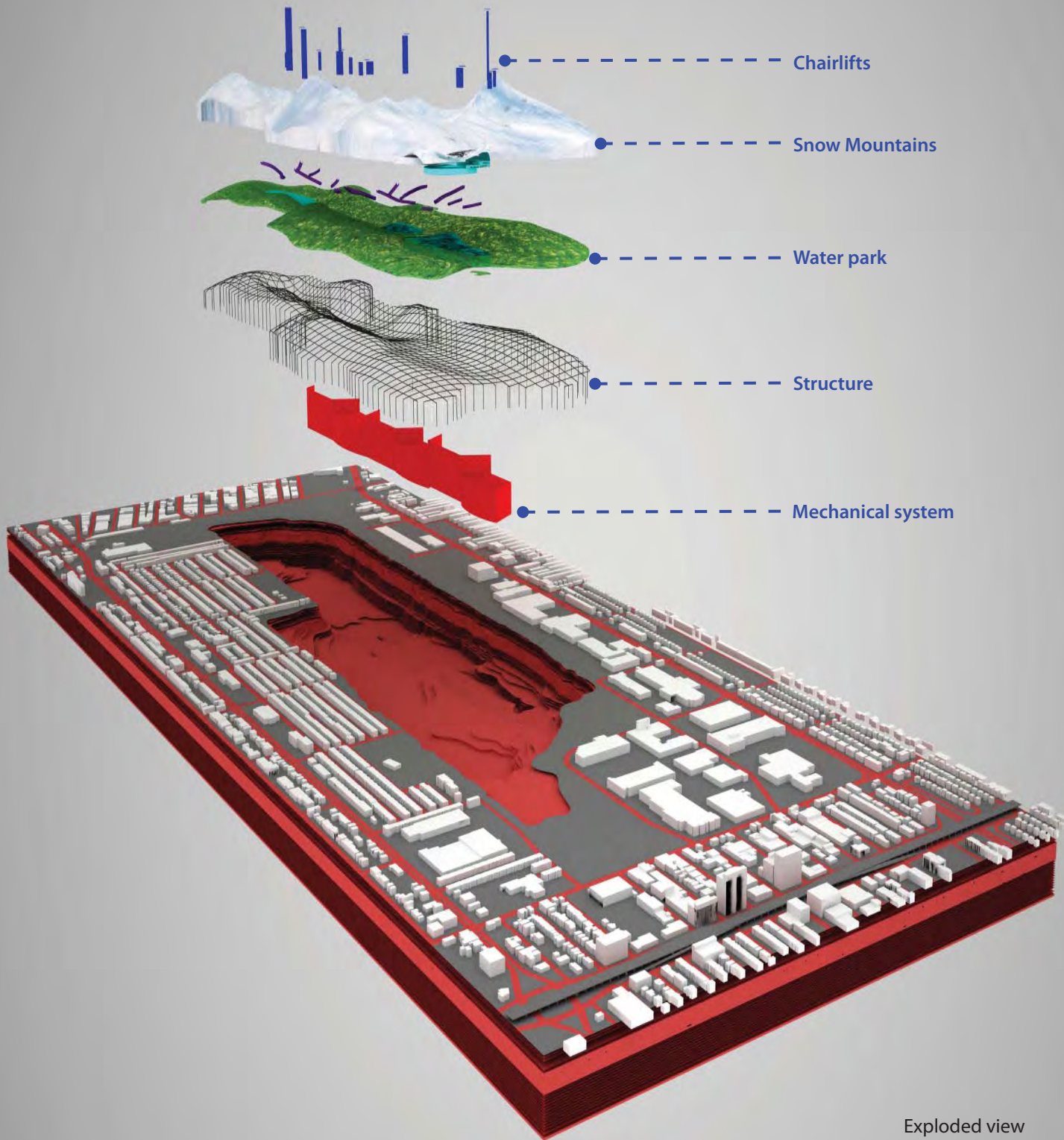
Description of Design Objectives and Concept

"Savoring Montreal" promotes social, cultural and environmental involvement to reduce carbon footprint. Hinting the past vocation of the Grain silos, our project is all about FOOD. With this project and the help of technology, we encourage the production, the consumption and the regeneration of our foods LOCALLY.

Tools used Adobe InDesign, Illustrator, Photoshop, AutoCad, Sketch-Up + V-Ray, Wordpress

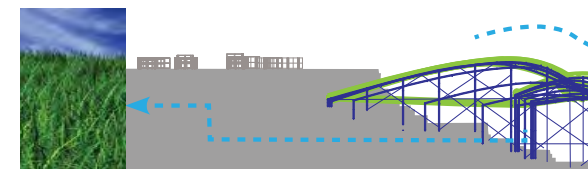


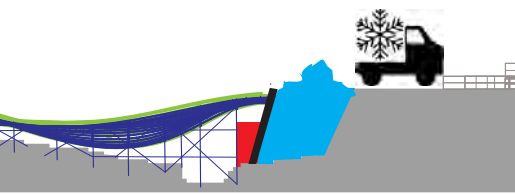
Belvedere



The Machine

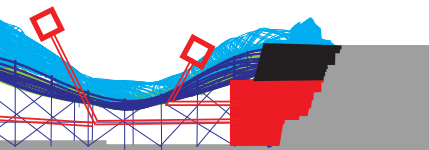
Similar to large refrigerator, the structure which supports the Winter Wonderland also keeps cool for longer ski seasons and hastens the melting process due to heat exchangers. The filtered water can also serve crop irrigation.





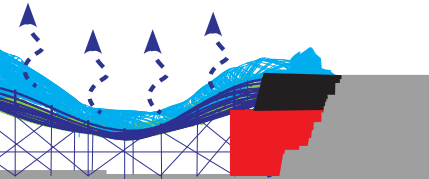
Snow Dumping Study in Montreal

The Quarry of St-Michel began as a quarry in 1895. Its limestone was used in the production of cement there for many years. Abandoned in the 1990's, the quarry is now being served as one of the largest dumping grounds for snow the Montreal.



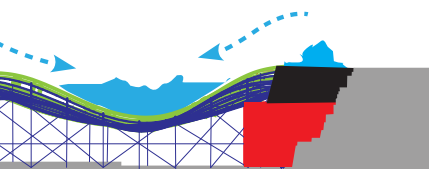
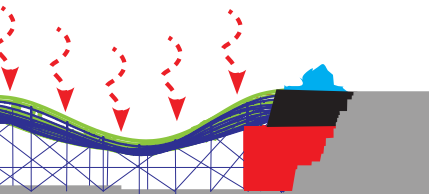
More snow, please

My proposal is to triple its current capacity to use the snow that it there to create a "winter wonderland". It is stated that it can take up to 2 years for the snow to melt completely.



Making Snow

The construction of the Winter Wonderland begins with snow collection, then filtration of the melted snow. The new snow is distributed throughout the entire site with the help of snow canons.



Study of Snow behaviour in the quarry

Snow Dump. Snow FUN

Level M.Arch

Site Quarry St-Michel

Objective of the Project Master plan in a quarry

Description of Design Objectives and Concept Optimizing its current use of being the biggest dumping ground for snow, the snow is reclaimed to transform the quarry into a snow amusement park

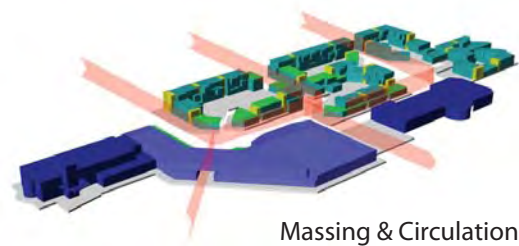
Tools used Adobe InDesign, Illustrator, Photoshop, AutoCad, Rhino + V-Ray



Site in winter



Winter Wonderland

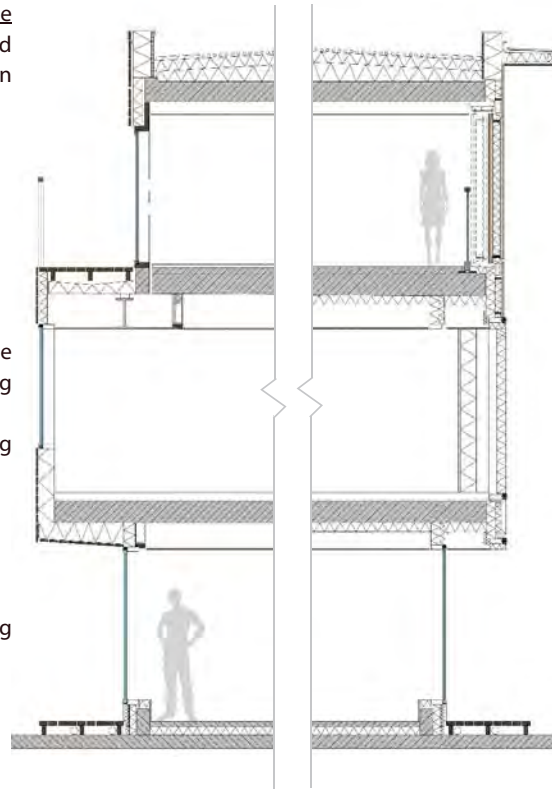


Courtyard facing facade
Bed of gravel, slanted
roof for water collection

Window with double
glazing

Pine boarding

Fixed double glazing



Street facing facade

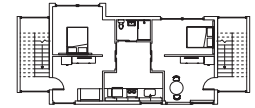
Aluminium-framed
sliding door with
thermal insulation

Anodized sheet-
aluminium panel with
expanded polystyrene
thermal insulation

Fixed double glazing

Community Housing

Typical Floorplan



2 single units



1 family unit



Community Center

Level M.Arch

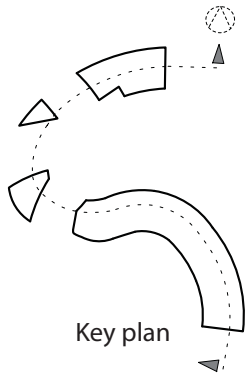
Site Block between Lemarchant Rd, Ricketts Rd, St. Clare ave and Prince Wales St. in St-John's Newfoundland.

Objective of the Project Community housing and center

Description of Design Objectives and Concept The proposal pertains to building a community for future growth, while preserving the essence of the existing environment. Taking precedence from the European typology of community housing, the blocks are open to interior courtyards, as spaces for social gathering. The community center is added to and an existing church which has been converted to an elderly center, thus involving their participation into the community.

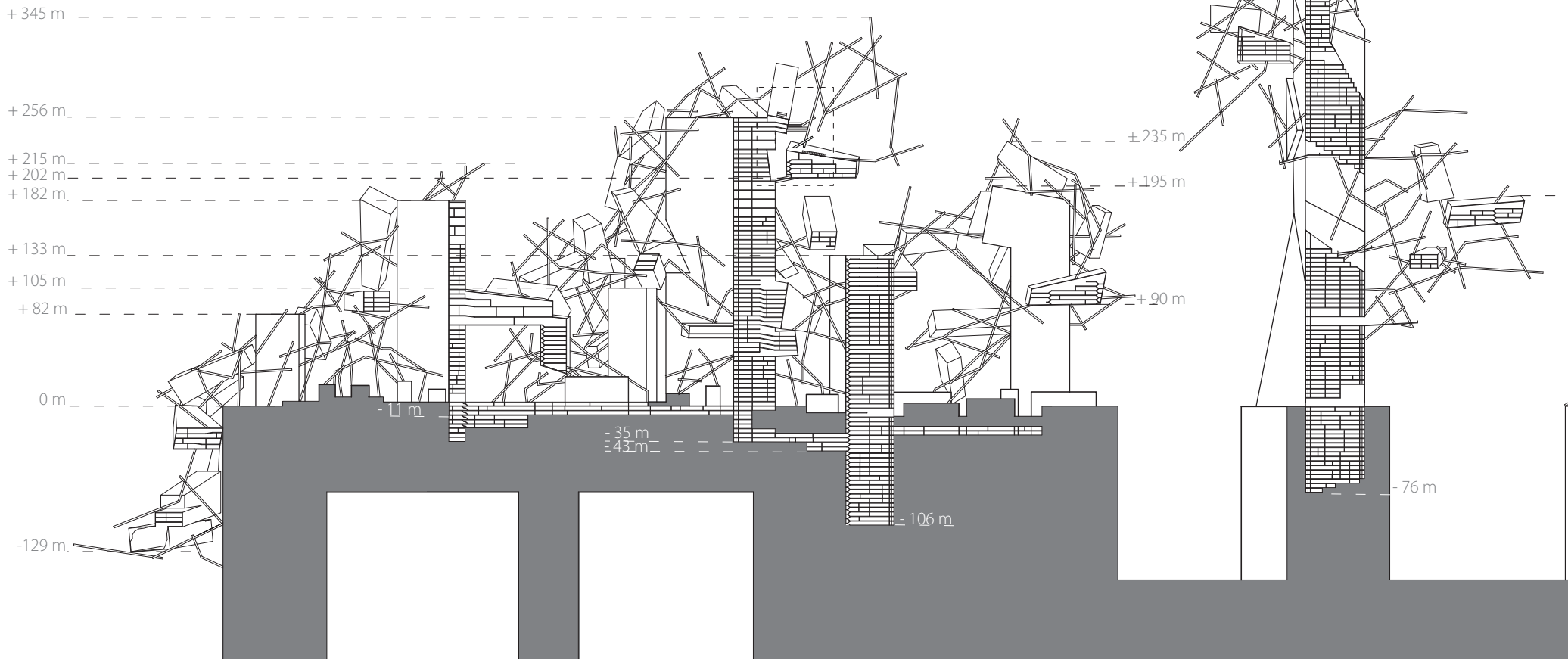
Tools used Adobe InDesign, Illustrator, Photoshop, AutoCad, Rhino + V-Ray





Building with past in mind

Personally, it was a reflection upon our current society and its infrastructures. In this abstract city of the future, many questions regarding social organization and density arose. With that in mind, my city learned to adapt, twist and mould itself to its surroundings. At a time of rapid construction in China, where the Old is demolished for the New, Nest City shelters the existing city. Harmony is established by a super-structure, a frame which acts as network and structure. It is the bones and veins of the city. The ever-growing frame builds and become denser through time. It acts as a second layer breathing life into the old existing city.



Nest City

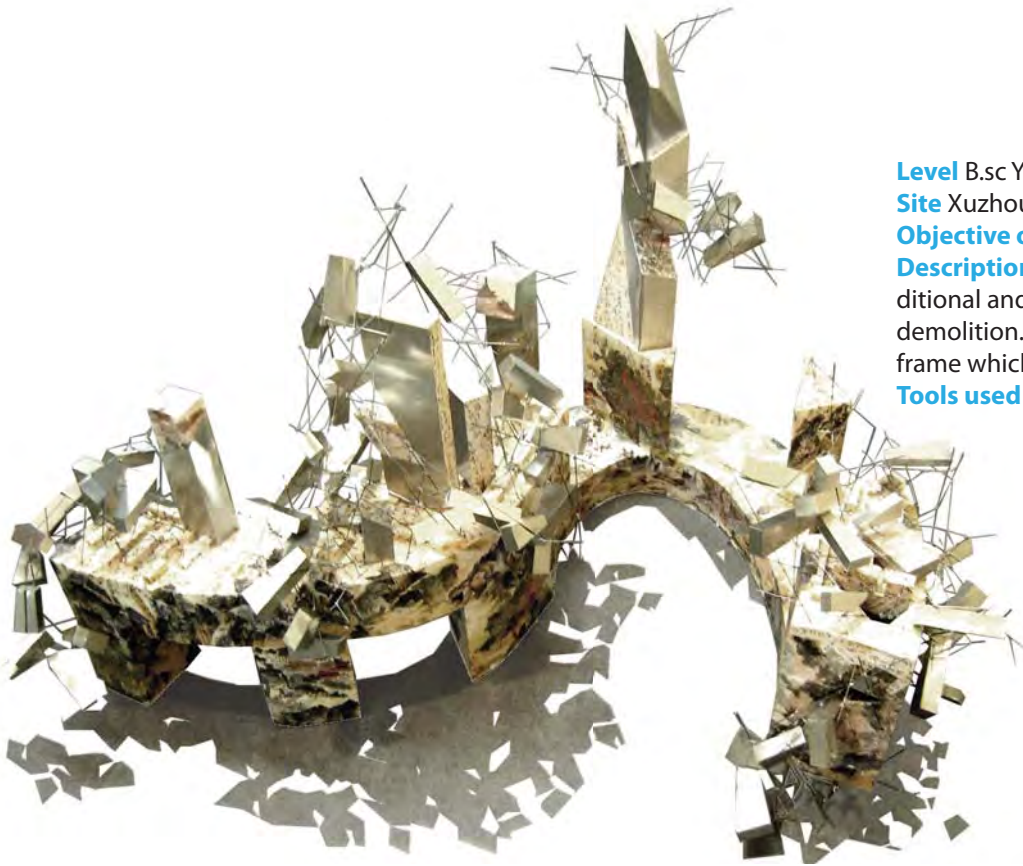
Level B.sc Year 3

Site Xuzhou, China

Objective of the Project Conceptual Master planning of a city in China

Description of Design Objectives and Concept Relationship between traditional and contemporary Chinese architecture. Nest City is an alternative to demolition. Instead, a second layer of buildings is embedded in the structural frame which serves to protect and preserve the old city.

Tools used Adobe InDesign, Illustrator, Photoshop, AutoCad



— — — — +478.m.

— — — — +432.m.

— — — — +187.m

±16.m.
-5.m



Winding Section

— — — — +191 m

— — — — ±134 m

— — — — ±119 m

— — — — +51 m

— — — — +25 m

— — — — 0 m

— — — — -70 m

— — — — ±157 m

— — — — 220 m



Perspective



Structure of model



Interiors in the Day

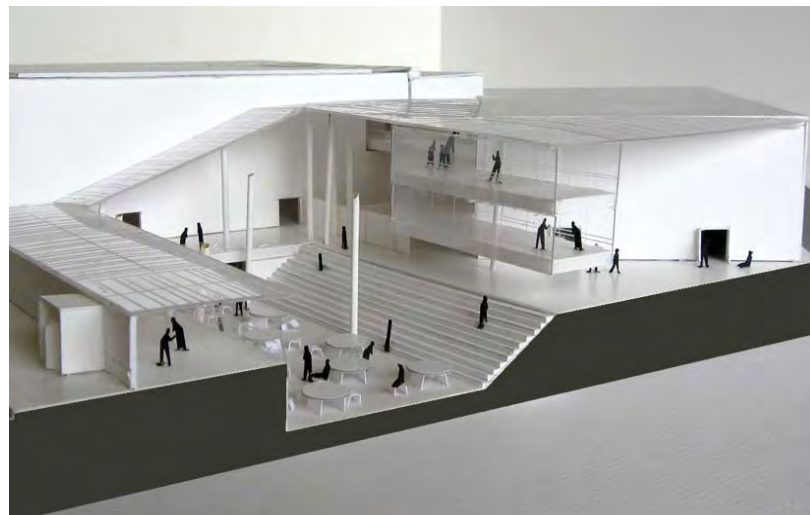


Interiors at Night

Looking inward

South Chicago was in an impoverished, known for gang violence. With that in mind, I hoped for a haven, a place of retreat for the Youth of the area. The building opens inwardly, promoting social interaction. At its core, the cafeteria, the ultimate gathering space for its students, and the courtyard. At night, this flexible space acts as multi-purpose space. The building can be divided into its public and private areas. The Northern section is dedicated to its public users and assembles facilities such as gym, auditorium, recreational room, etc. The southern section is dedicated to its students linking the workshops and classrooms. The benefit of this organization permits privacy for its regular occupants. In addition, the building can be easily managed and open only on the public side at night.

Sectional Model 1:100



Youth Center

Level B.sc Year 3

Site South of Chicago

Objective of the Project Diagramming program to develop an architectural proposal for a youth center in South Chicago

Description of Design Objectives and Concept This project brings forth a close relationship between diagram and the experiential path. The circulation of the center is derived from the scheme of two interlocking rings.

The result is an open unified space which takes its visitors on a continuous pathway.

Tools used Adobe InDesign, Illustrator, Photoshop, AutoCad, 3D Studio Max

LEGEND

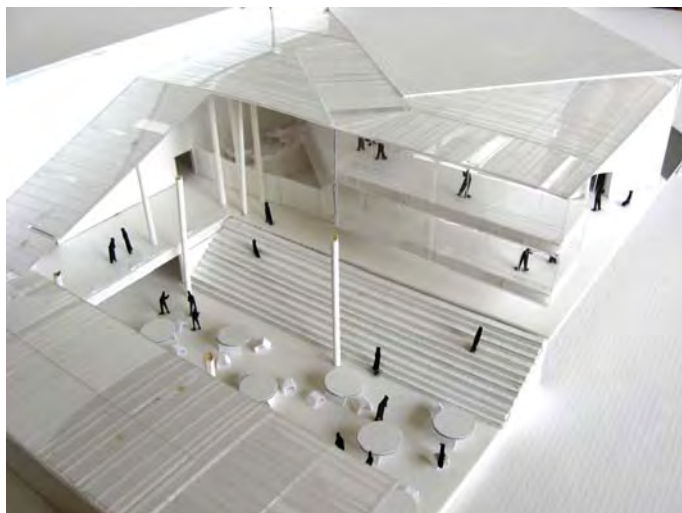
1. Courtyard
2. Cafeteria
3. Classroom
4. Recreational
5. Auditorium
6. Computer room
7. Multi-purpose room
8. Cloakroom
9. Workshop
10. Gym



Plan

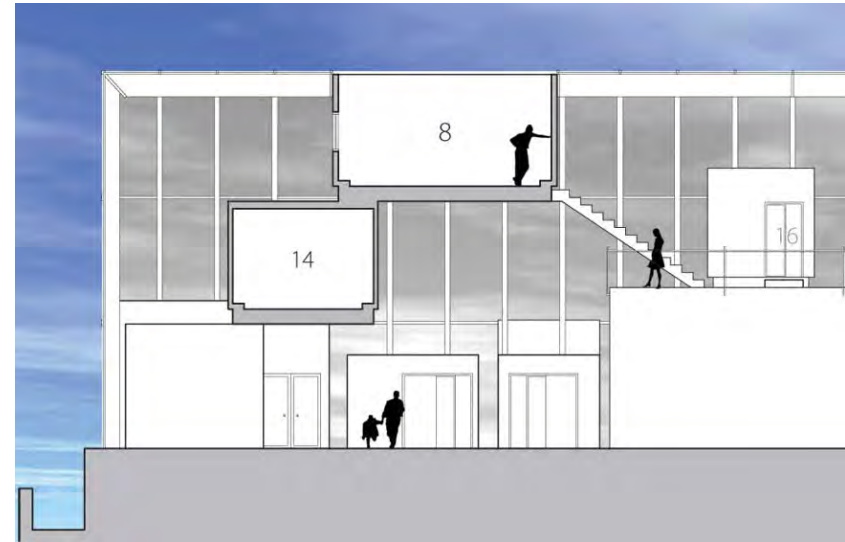


Section A-A'





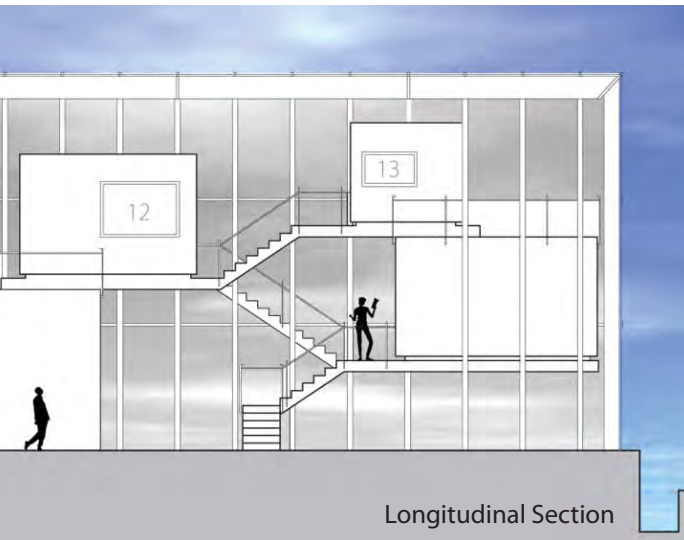
Streetview



The Naked and the Nude

The rooftop house is for a family which has nothing to hide. The organization of the space is open and transparent. These boxes (rooms) are lifted and connected to each other through a system of stairs and ramps. The color of the boxes is chosen for aesthetic values and adds an eye-catching effect.

PentHouse



- 1-original elevators
- 2-living area
- 3-dining area
- 4-communal bathroom
- 5-children play area
- 6-kitchen
- 7-closet
- 8-rooftop garden
- 9-boy bedroom
- 10-guestroom
- 11-meeting room
- 12- studio
- 13-photo processing room
- 14- girls bedroom
- 15- master bedroom
- 16- adult play area

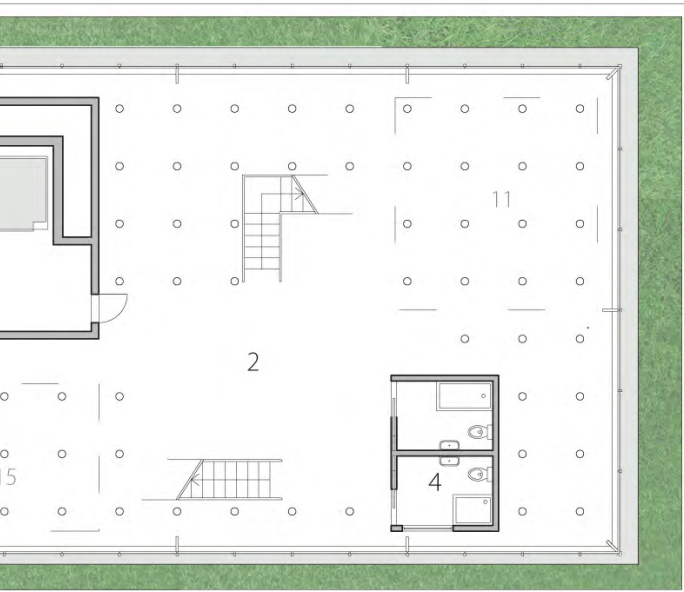
Level B.sc Year 3

Site on top of Drummond Medical building, Montreal

Objective of the Project The project is for a single family home and work space located on top of a downtown Montreal rooftop building. Tony F. and Felicity F. are looking for a unique modern family home and headquarters for their growing businesses. Both work in the adult entertainment industry and have children aged 9 to 18.

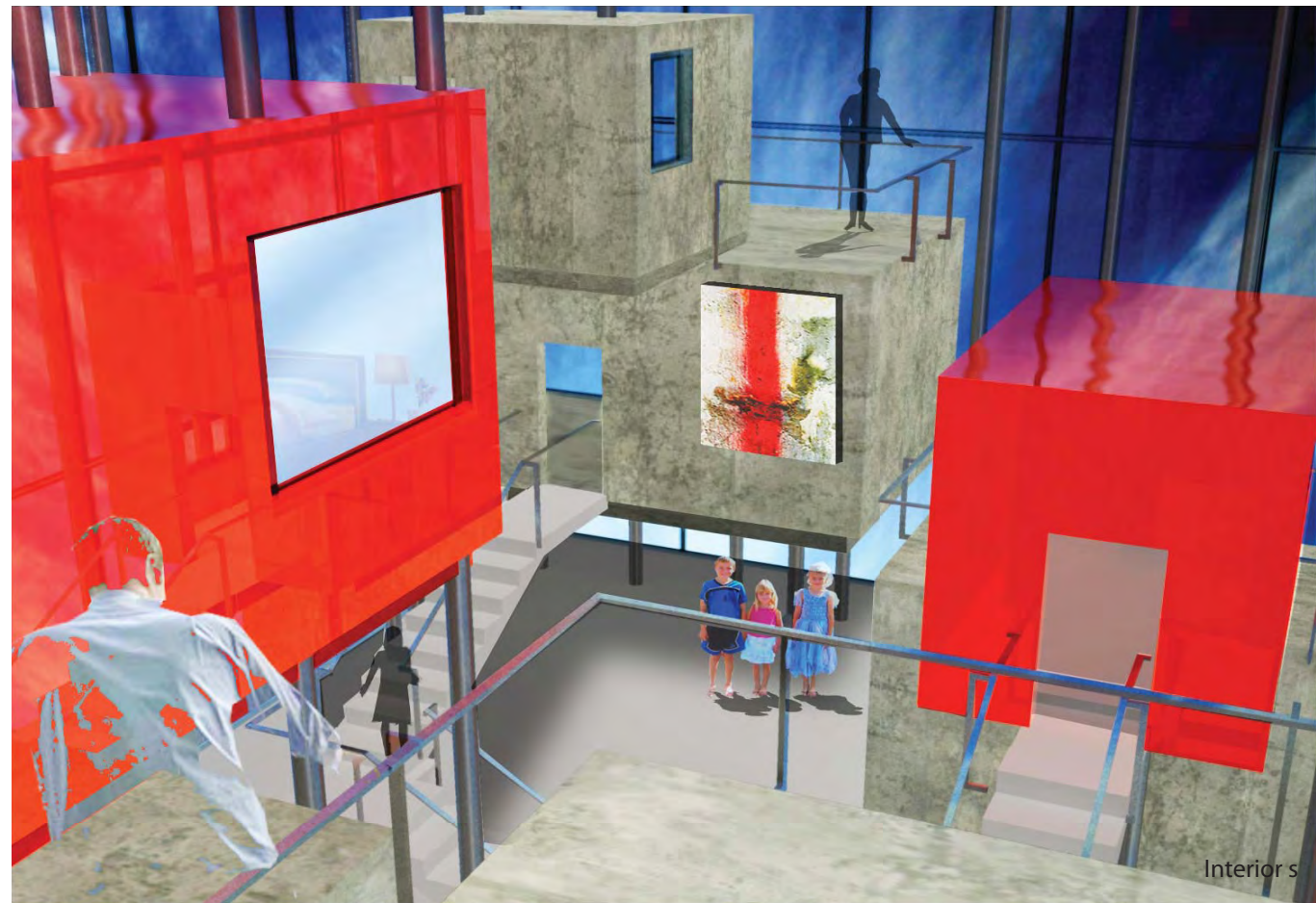
Description of Design Objectives and Concept A provocative scheme was chosen for a candid family. Nothing is left to the imagination. The organizational scheme and layout of the house is exposed on top of the Drummond Medical Building.

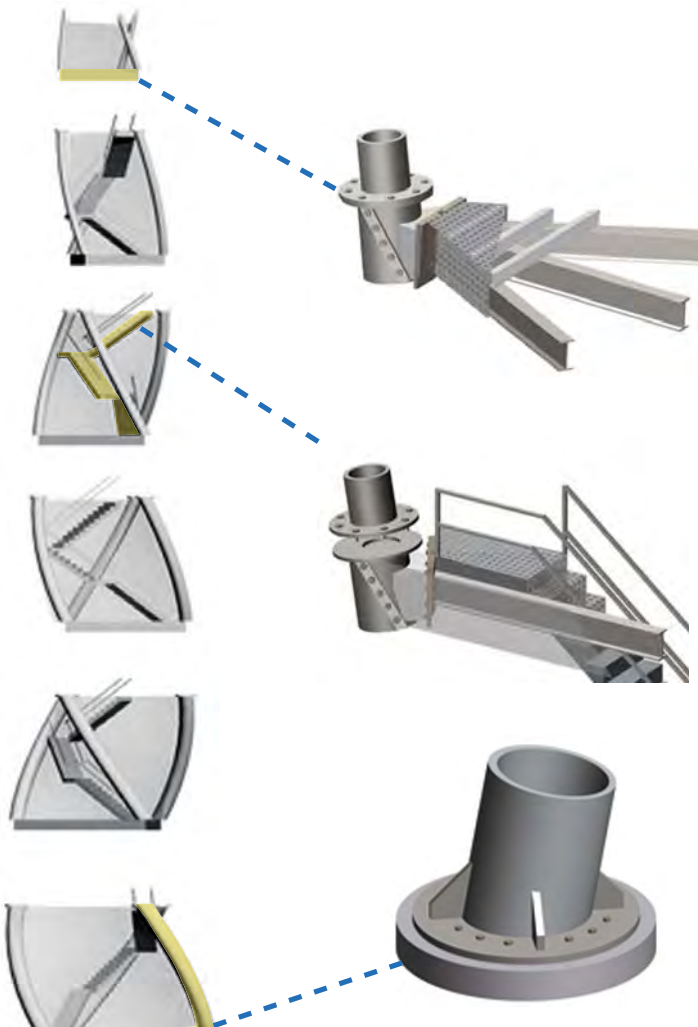
Tools used Adobe InDesign, Illustrator, Photoshop, AutoCad, 3D Studio Max



Rooftop Plan

tion of its functions is translated into its physical build.
stem of stairs and a forest of columns. The material and





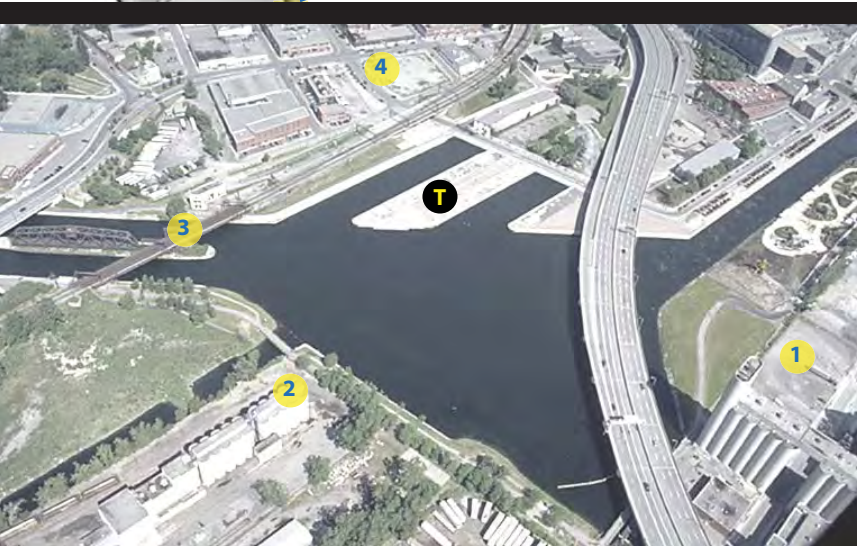
Construction

Each floor is prefabricated and assembled on site, where the round hollow columns are bolted together. During the fabrication, the sections of columns are hot-rolled to achieve the twisted organic form.

What a view!

Surrounded by the most iconic buildings of Montreal (Grain silos #5, the Basin Peel is a prime location. Close to the touristic are of the OL

From its initial gesture of rotation, the concept of twisted viewing tower area, the integration of natural elements was a great importance. This is not only in terms of design and safety but as a support for vegetation, not only adding to the renewal of the area, but creating a place for



Vertical Garden



(Fives Roses Factory) and the panoramic view of downtown Montreal, Old Port, and bustling financial district, it is also popular destination.

tower arose, exhibiting the views and capturing the site. Still a developing use of structural mesh permitted this architectural feature by acting on. The evolution of the tower over time will produce a vertical garden, emerging tech industry on their lunchtime breaks.



Level B.sc Year 2

Teammate Nadège Roscoe-Rumjahn

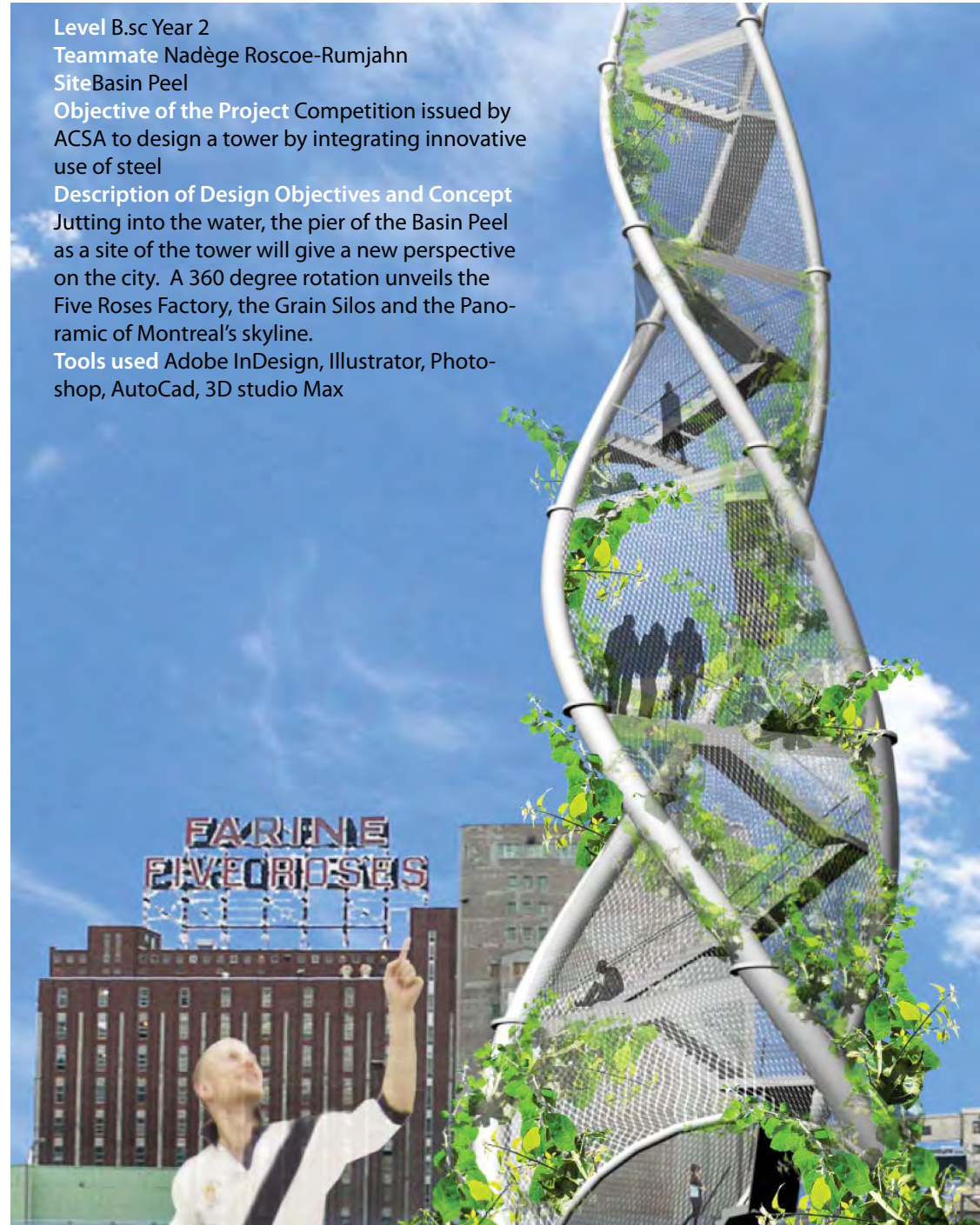
Site Basin Peel

Objective of the Project Competition issued by ACSA to design a tower by integrating innovative use of steel

Description of Design Objectives and Concept

Jutting into the water, the pier of the Basin Peel as a site of the tower will give a new perspective on the city. A 360 degree rotation unveils the Five Roses Factory, the Grain Silos and the Panoramic of Montreal's skyline.

Tools used Adobe InDesign, Illustrator, Photoshop, AutoCad, 3D studio Max



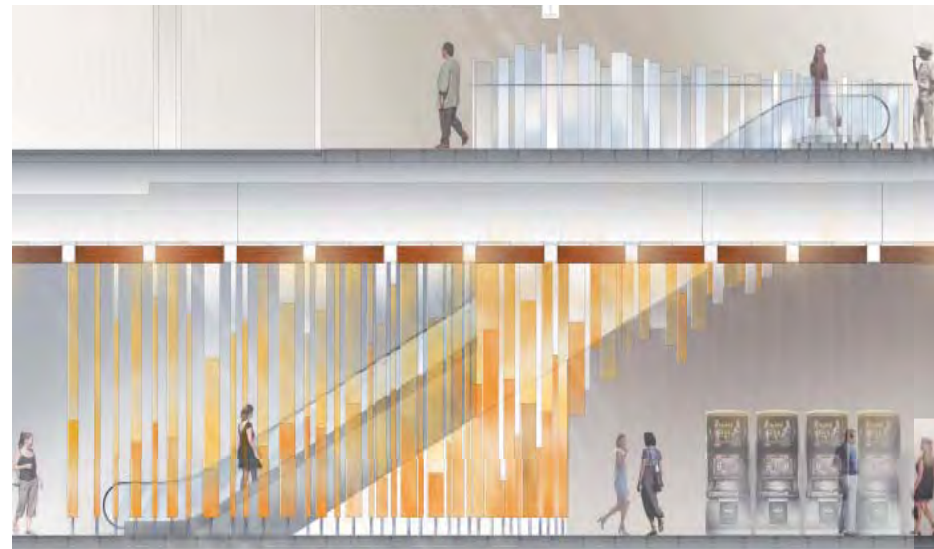


Structure



Night view

Mechanical staircase



Casino of Mt-Tremblant



Bar area at the Luxury Suite

Completion of the Project July 2009

Firm Menkès Shooner Dagenais LeTorneux Architectes www.msd.ca

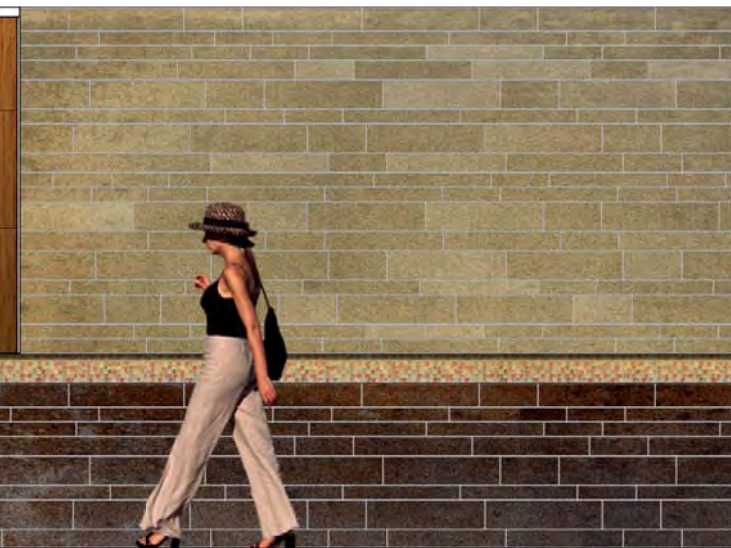
Site Soleil Versant, Mont-Tremblant, Quebec

Objective of the Project Designing and delivering the interiors of the Casino of Mt-Tremblant, in a restricted time of 9 months

Description of Design Objectives and Concept Located in the woodland area of Mount Tremblant, the interior design draws its inspiration from its natural surroundings. Its exterior envelope mimics the buildings and cottages of the area. Warmth in colors and materials are brought inside and reinterpreted. Class and glamour is hinted in the upper VIP floor. It takes reference from the elite Gentlemen's club

Contribution I contributed in the conceptual design of the interiors. As assistant designer, I participated in client meetings, finish selections, product research. I also helped in renderings and graphic presentations of the project. In its construction stage, I coordinated technical data and helped in issuing the drawings for construction.

Bathroom finishes



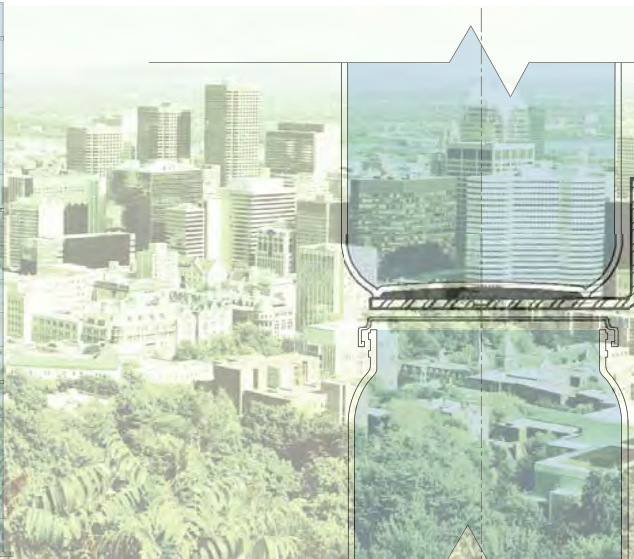
Bathroom picture



View of main entrance



Technical Drawings



Claude Beausoleil, *Une certaine fin de siècle*
Saint-Lambert, éditions du Noroît, Castor
Extrait de "Montréal, tu t'en vas"
Montréal, tu me perds
Montréal, c'est bien toi
dans ces rues dénudées
dans des blocs de verres

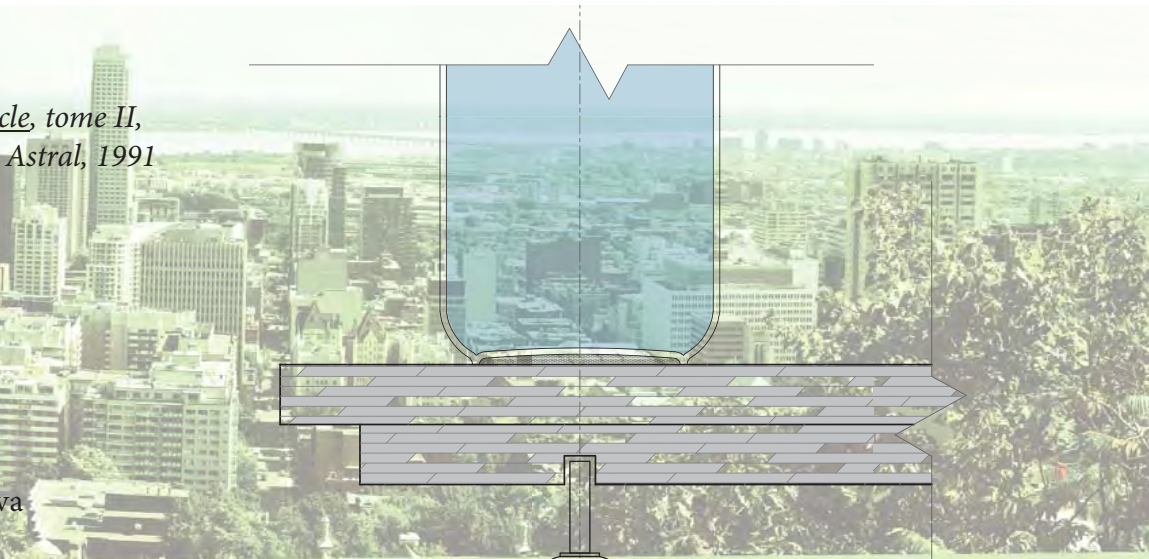
ces images et des livres
te contant des histoires
les faux sans fond d'une ruelle où nul ne va
plus loin c'est encore toi dans le vide.



tu bâtis pauvre ville pauvre enfance infinie
La mémoire et des textes de forme irrégulière
des avenues naissant impriment sans racines
les autres dimensions des aurores et des bords

City of Glass

de, tome II,
Astral, 1991



Completion of the Project May – September 2010

Firm Menkès Shooner Dagenais LeToruneux Architectes www.msdl.ca

Site National Library of Quebec

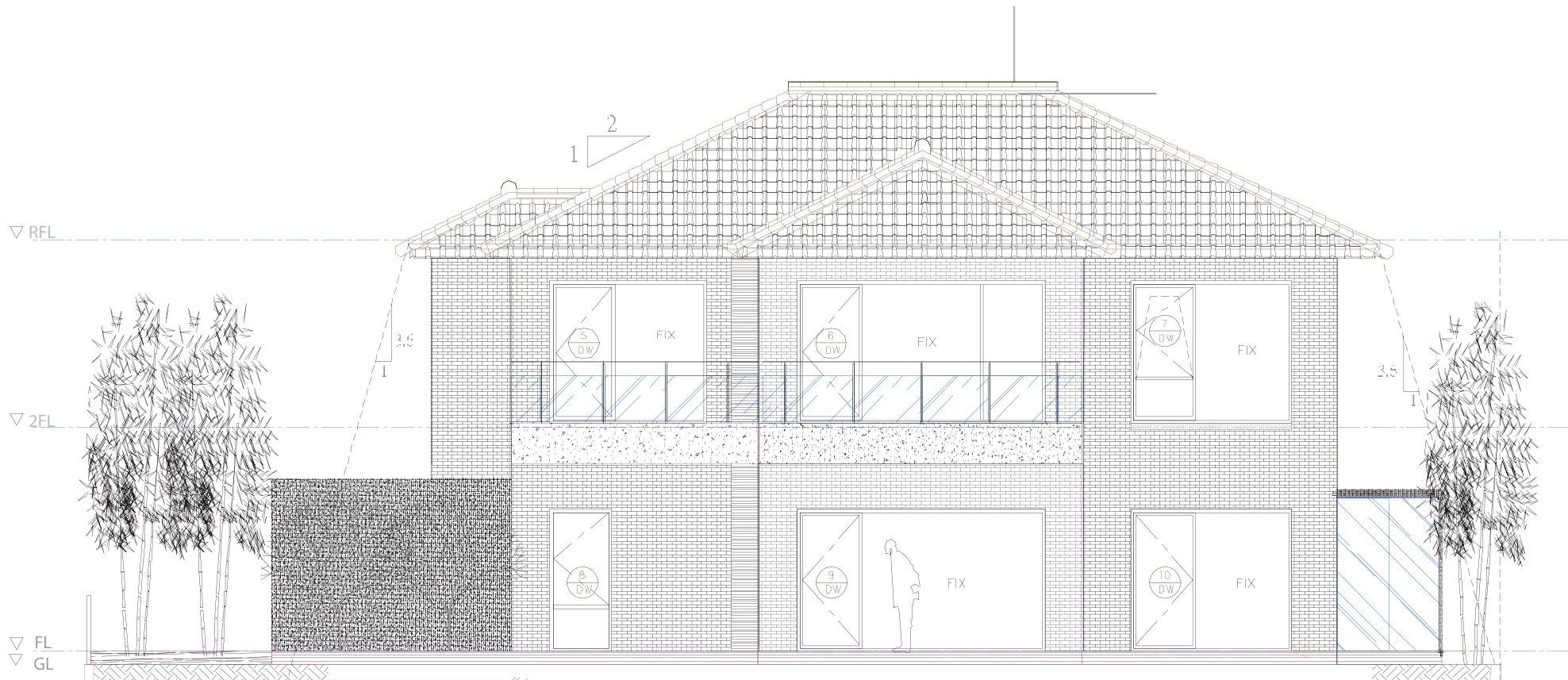
Objective of the Project Exhibition proposal for Montreal City of Glass event

Description of Design Objectives and Concept Playing with the words rhyming with “VERRE” (Glass), we wanted to include VERSES (vers) from Quebecer poets and the project had to be GREEN (vert)

Contribution I contributed in the conceptualization to the construction of the exhibit. From its initial design, to directing its construction on site, I played the role of main coordinator of the exhibit piece. The piece was displayed in the lobby of the National Library of Quebec from May to September of 2010.

ie
lière
aison
ruits





He Feng Elevation N-30



Residential projects

Completion of the Project 2008- 2009

Firm LWMA x ShangHai Yue Jie www.lwma.com

Site Macao, Taiwan

Description of Design Objectives and Concept

He Feng, 12 multi-million \$ residential units on a mountainous area of Taipei

Macau Penna Hill, residential complex in Macau

Hongxi Community, residential community in Taipei

Contribution As intern, I assisted in model construction, site visits and studies of plans, elevations and sections. It was my first internship abroad.



Hongxi Community interior model



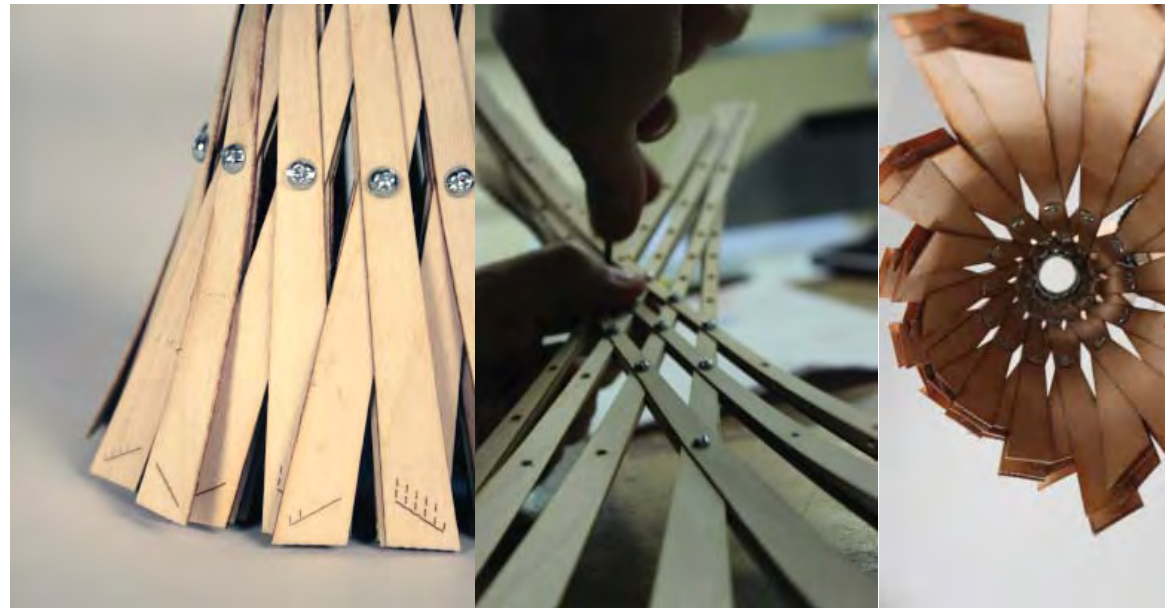
Macao Penna Hill



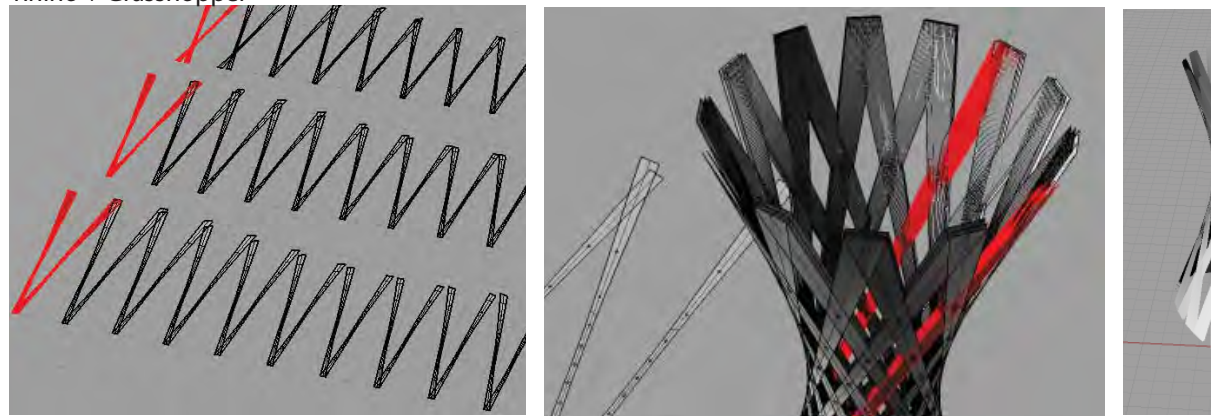
He Feng Models



Construction



Rhino + Grasshopper



Parametric lamp

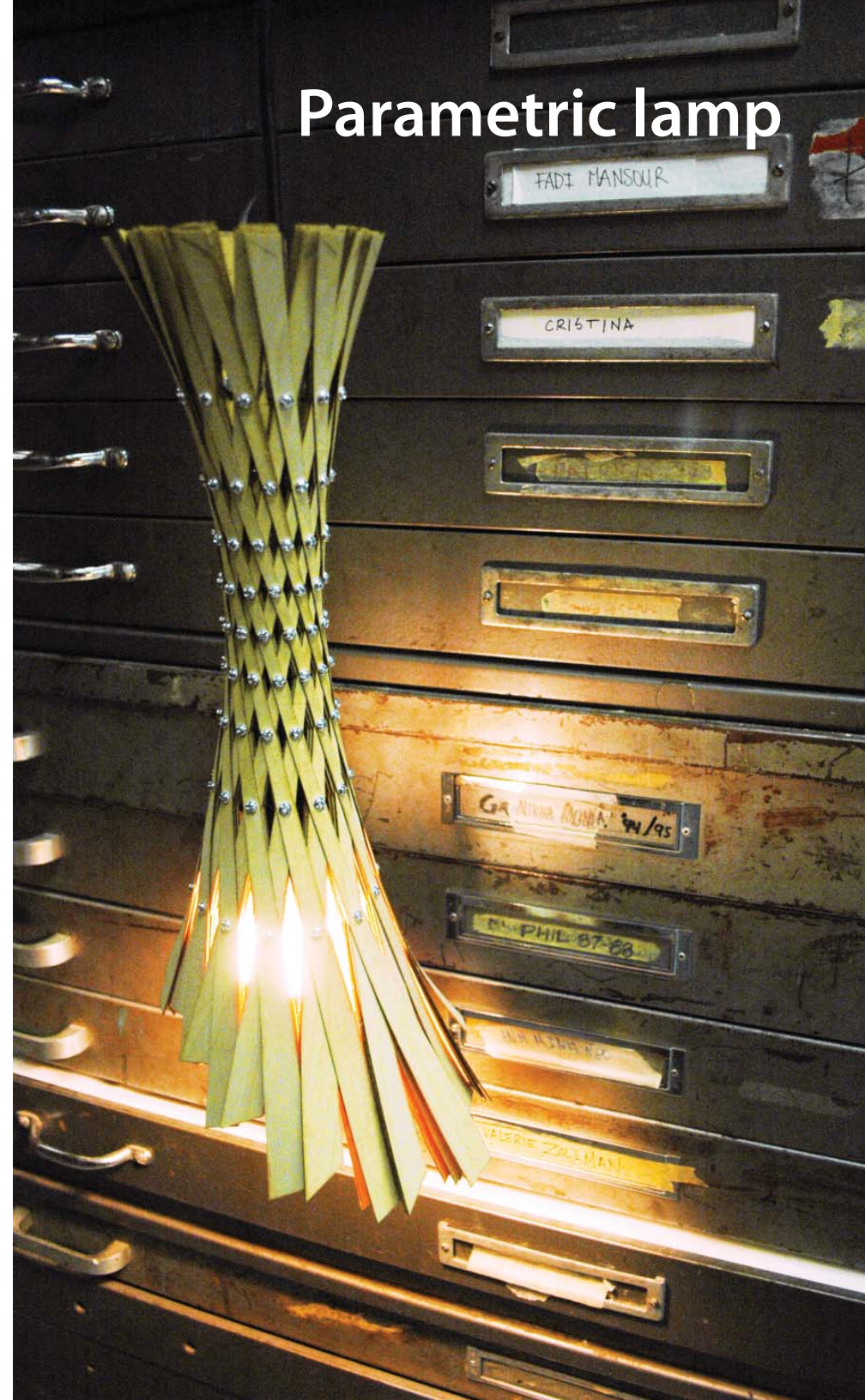
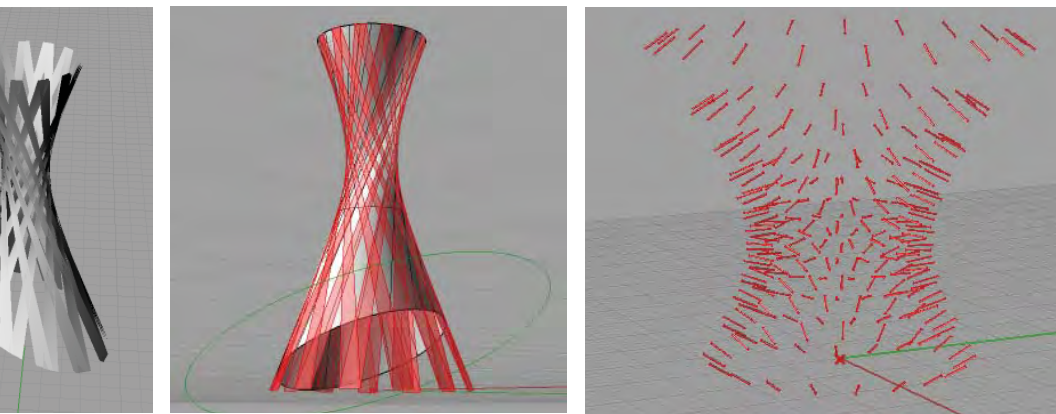
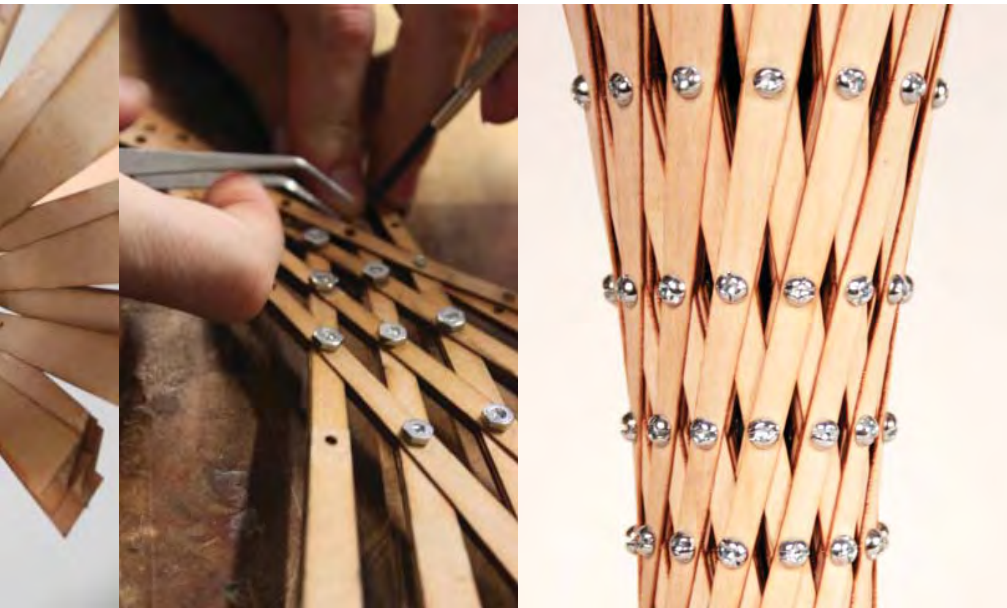
Level M.Arch

Teammates Reena Mistry, Anne-Marie De-meules, Jessica Sin, Rico Law, Dan Guenter

Objective of the Project Advanced Construction course: to use the software learned in the course to construct an object.

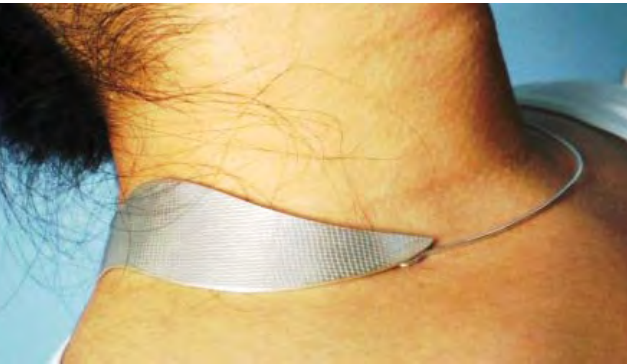
Description of Design Objectives and Concept Scripting a lamp in grasshopper

Tools used Grasshopper, Rhino, Autocad, and Laser cut



Silver-wear

Designing in a smaller scale and working in silver. This permitted a hands-on approach to design. From sculpting the prototype in wax, to molding a silver plaque, I became familiarized with the characteristics of the materials. My design process evolved in response to it. For example, the malleability of the metal permitted the application of texture with pressure.



PRODUCT

Finishing touches are added . Nothing is spared, for minimal waste



Fashion + Jewellery



Draping pink

After an initial sketch inspired from a runway show by Louis Vuitton, I made my banquet dress with tulle and silk.

Hat moulding

Fascinated form and construction in fashion, I ventured firstly into hat moulding. Expandable material, felt, can be moulded with humidity, heat & pressure. I began the process of recycling old hats, moulding them into new ones and finishing them with final embellishments.



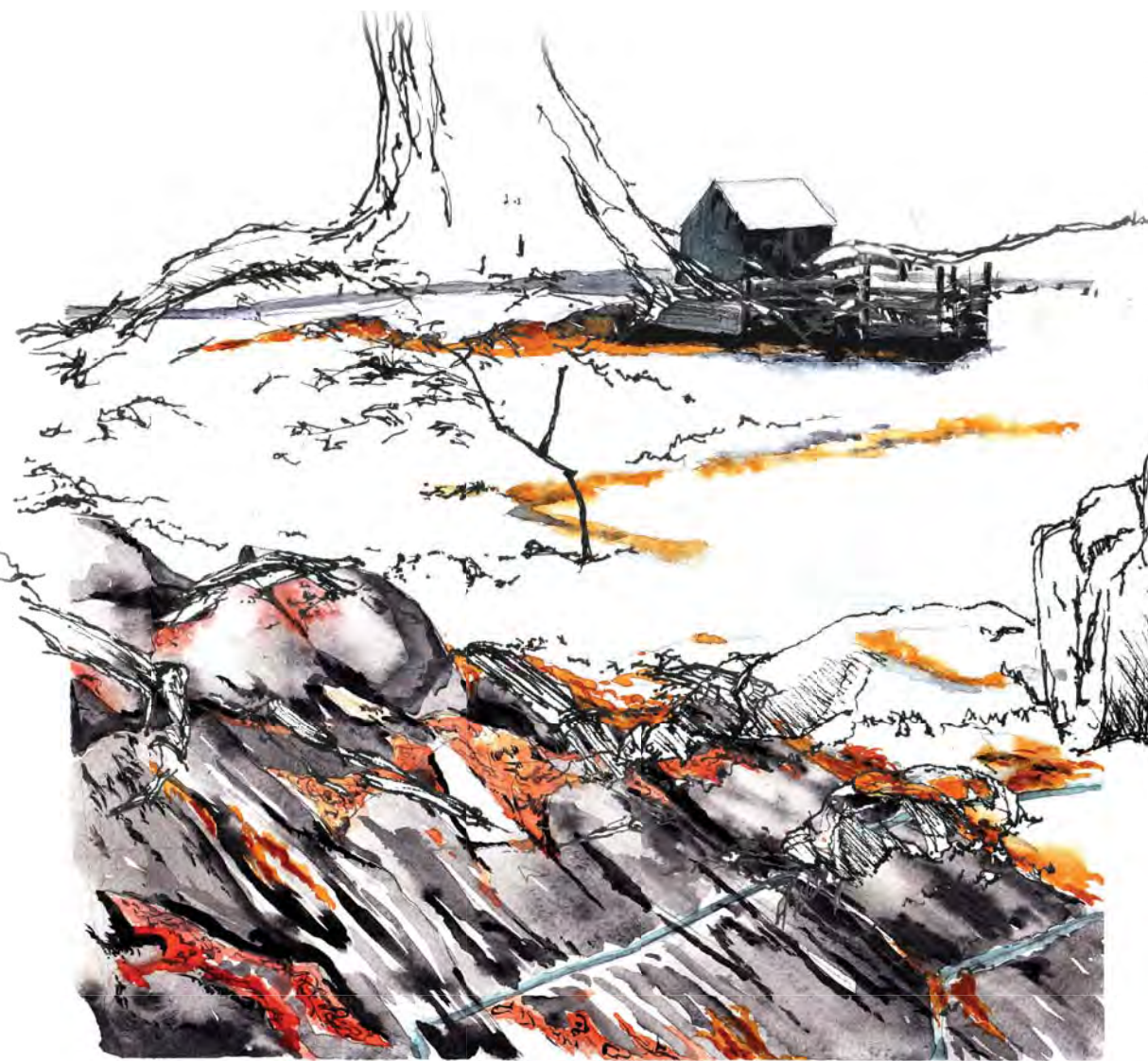
PROCESS

The material is pinned down on wooden blocks to be dried.



RECYCLING

Using old felt hats and transforming into new ones



Art in Travels

