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PROFESSIONAL	P1 P2 P3 P4 P5 P6 P7 P8	Solar n Le Card North ' Incuba Munici Fednav SNCL-A	neighbou dinal tov York and tor of a pal cour headqu tkins Re	orhood a wer, stu I Sheppa pplied s t compe arters o ealis off	nd resid dent hou ord devel ciences, tition ffices, re ices, re	lential to ising. lopment Concord renovation	owerdia uni		RESIDENTIALINSTITUTIONALOFFICES
ACADEMIC	A1 A2 A3 A4	Broken Fragme	heart l ented fil	ibrary, ( m muse	downtow um in Ma	n Ottawa ırfa, Tex	a s	26	URBAN PLANNING AND ARCHIINSTITUTIONALMUSEUMMUSEUM
PERSONAL	- XYZ	Sketch	es, inst	allation	s and ot	her work	<b>S</b>	34	VARIOUS THEMES AND MEDIUMS



# barclay tower

Vancouver, BC, Canada, 2019-

type envelope and base building area > 30 645 m² (45 floors)

use of Revit (2D and 3D), InDesign, Photoshop, Excel, Word, AutoCAD

junior (5 years of experience)

team of 3 language **english** 

role

phase presentation for the city

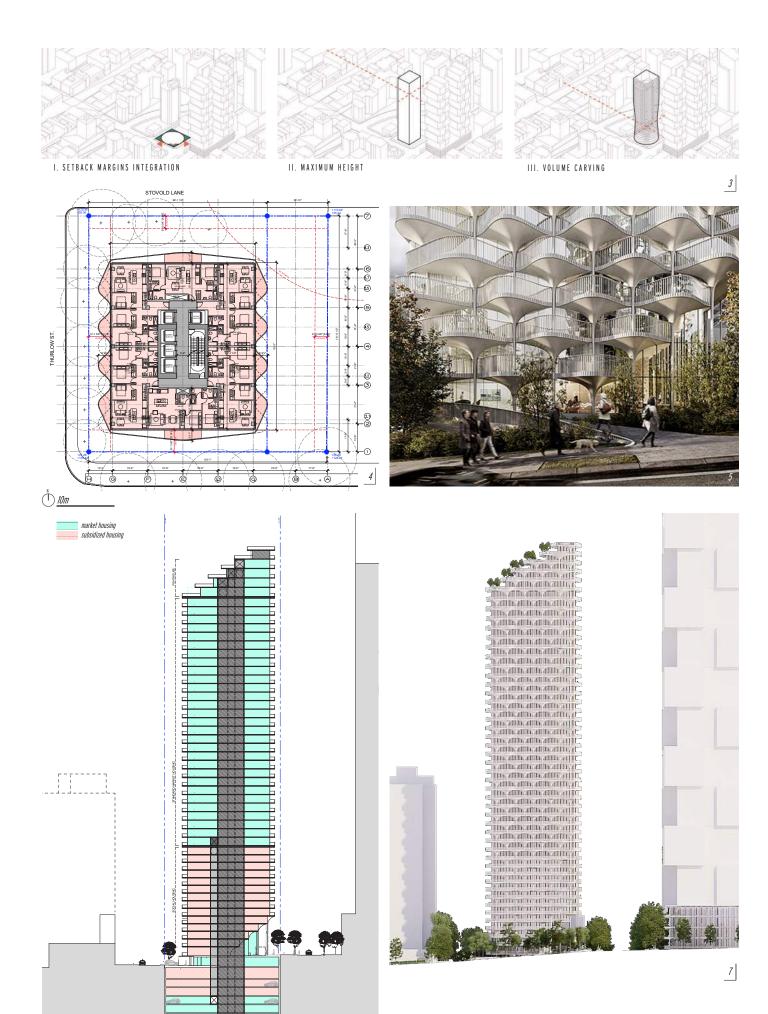
- preparing presentations for urban planning committee review;

- adjusting drawings (plans, sections, elevations, statistics) according to the project manager's comments and client requests;

- analyzing site.

ill. 1\_ research models
ill. 2\_ perspective render
ill. 3\_ volumetric diagrams
ill. 4\_ floor plan
ill. 5\_ entrance, perspective diagram
ill. 6\_ building section
ill. 7\_ building elevation





10m



# solar neighbourhood and tower

Montreal, QC, Canada, 2022-

type envelope and base building; urban planning

area > 34 185 m² (30 floors)

use of Revit (2D and 3D), InDesign, Photoshop, Excel, Word, AutoCAD,

SketchUp, Illustrator, Enscape

role junior (5 years of experience)

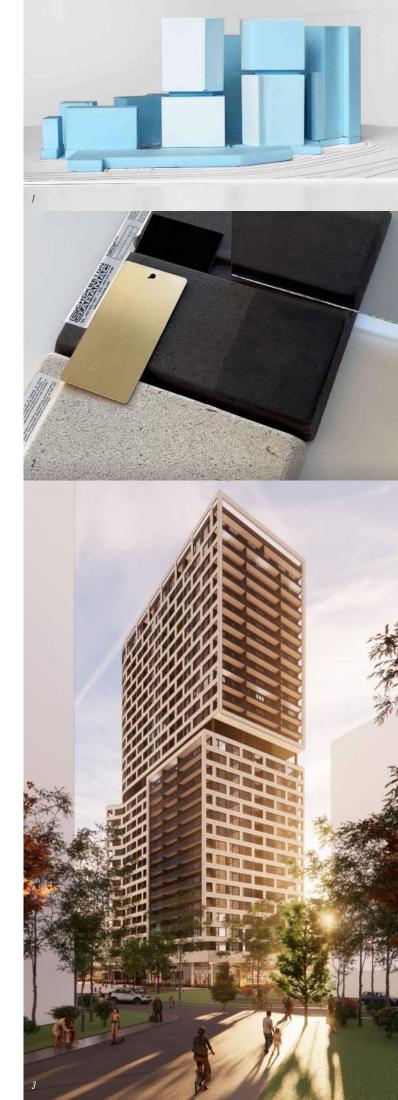
team of **3 (average)** language **french** 

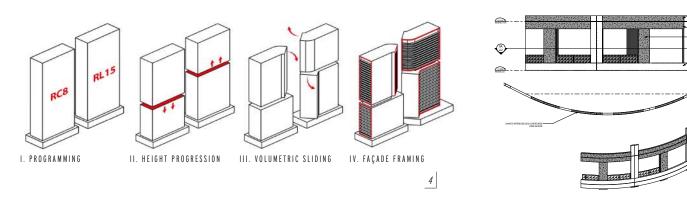
phase schematic design up to 30% progress set of contract documents

- preparing presentations for urban planning committee review;

- preparing drawings for building permit;
- adjusting drawings according to the architect's comments and client requests;
- drawing roof plans and details;
- analyzing site;
- zoning by-laws and building code verifications;
- coordinating with engineers and consultants;
- meeting with clients;
- site visits.

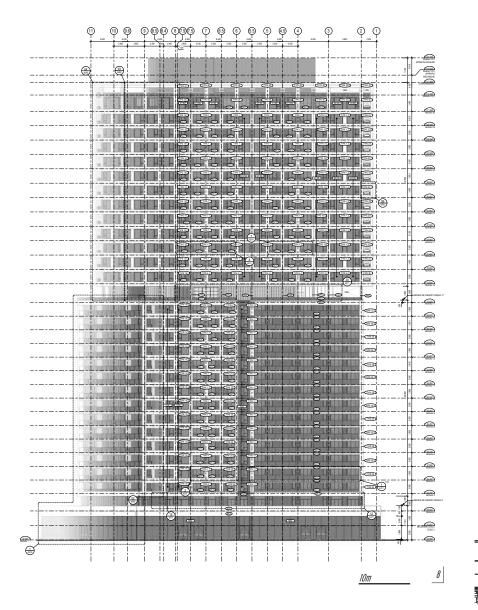
ill. 1\_ research models
ill. 2\_ materials selection
ill. 3\_ perspective render
ill. 4\_ volumetric diagrams
ill. 5\_ prefabricated concrete panels details
ill. 6\_ floor plan
ill. 7\_ mid-height, perspective render
ill. 8\_ building elevation
ill. 9\_ building section

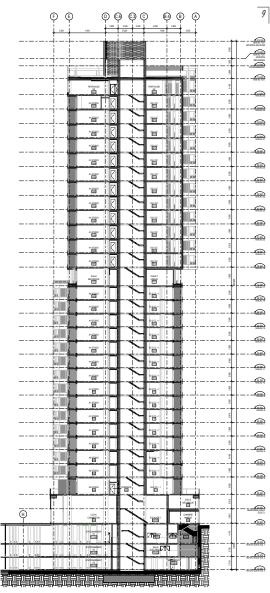














#### le cardinal tower

Montreal, QC, Canada, 2023-2024

type envelope and base building; residential units planning

area > 15 000 m² (19 floors)

use of Revit (2D and 3D), InDesign, Photoshop, Excel, Word, Illustrator,

Enscape

role junior, assistant to the project manager (6 years of experience)

team of 2 language **french** 

phase schematic design up to submission for permit

- preparing presentations for urban planning committee review;

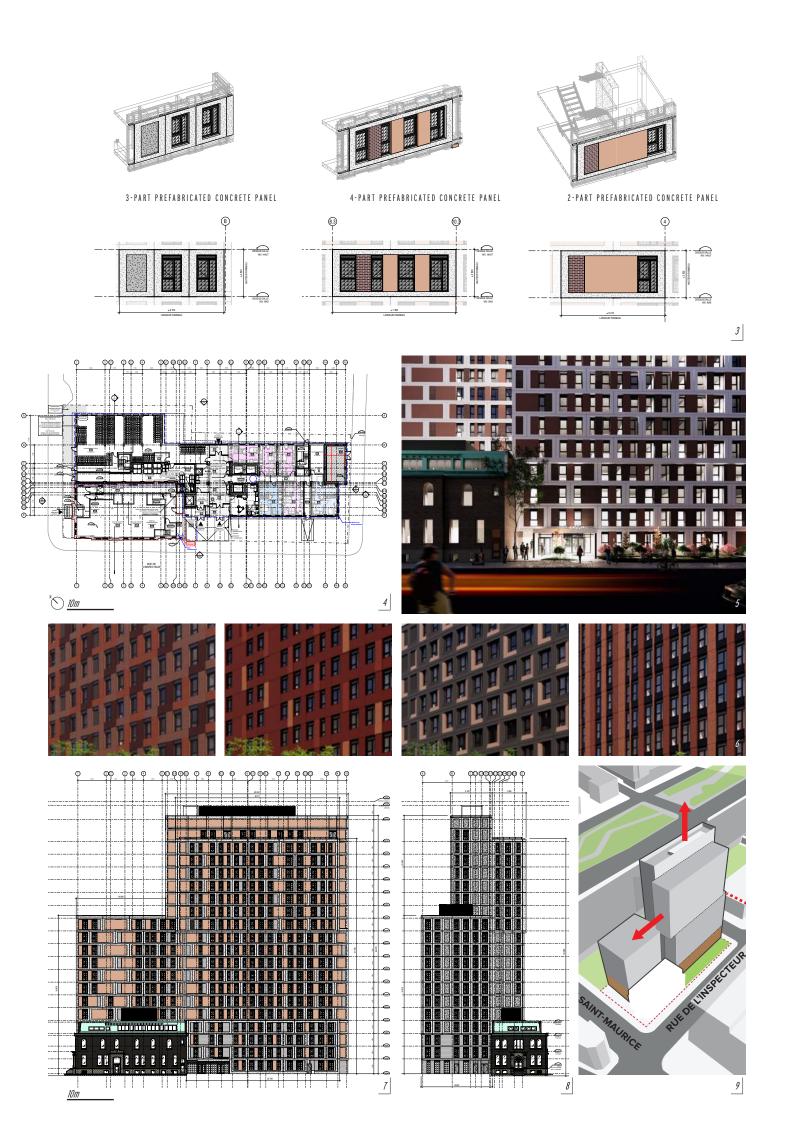
- preparing drawings for building permit;
- adjusting drawings according to the architect's comments and client requests (over 40 options for envelope design);
- keeping track of the materials schedule;
- analyzing site;
- zoning by-laws and building code verifications;
- coordinating with engineers and consultants;
- meeting with clients, engineers and contractors;
- site visits;
- presenting the project to the public.

ill. 1\_ materials selection ill. 2\_ perspective render ill. 3\_ prefabricated concrete panels details ill. 4\_ ground floor plan ill. 5\_ night perspective render, main entrance ill. 6\_ patterns and materials options ill. 7\_ building elevation ill. 8\_ building elevation ill. 9\_ volumetric diagram











## north york and sheppard development

Toronto, ON, Canada, 2025 (3 week proposal for city competition)

type urban planning and unit mix preliminary proposal

area > 200 000 m² (up to 50 floors)

use of Revit (2D and 3D), InDesign, Photoshop, Excel, Word, Illustrator,

Enscape

role intermediate architect (7 years of experience)

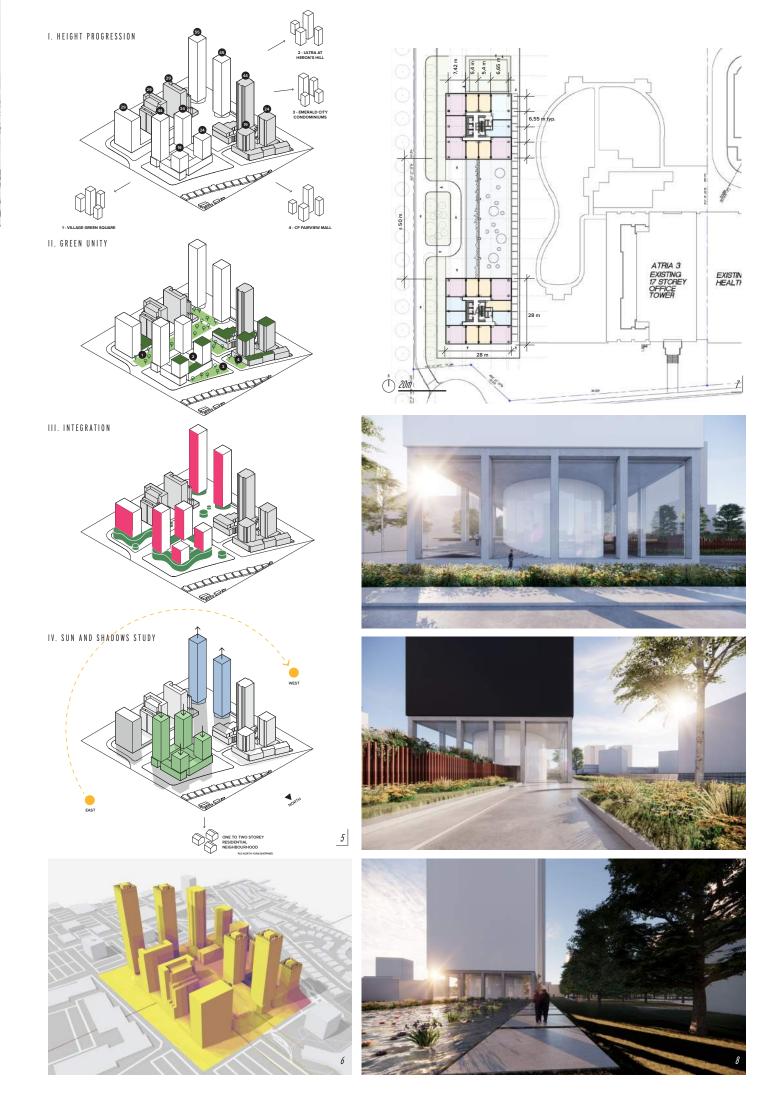
team of 2 language **english** 

phase schematic volumetric proposal for city competition submission

- revit model from a to z;
- setting up enscape views and parameters;
- volumetric diagrams explaining the proposal;
- leading meetings with developer client, landscape architects and urban planners;
- visiting existing buildings in Montreal designed by the firm with client;
- preparing presentation for submisison;
- delegating and planning work schedule for intern;
- leading final oral presentation in english.



ill. 1, 2, 3\_ global views ill. 4\_ master plan ill. 5\_ volumetric diagrams ill. 6\_ sun analysis, forma autodesk ill. 7\_ phase I typical floor plan, unit mix ill. 8\_ phase I, perspective renders





## incubator of applied sciences

Loyola campus, Concordia University, Montreal, QC, Canada, 2018

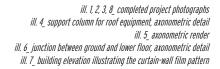
type envelope (curtain wall), base building and interiors

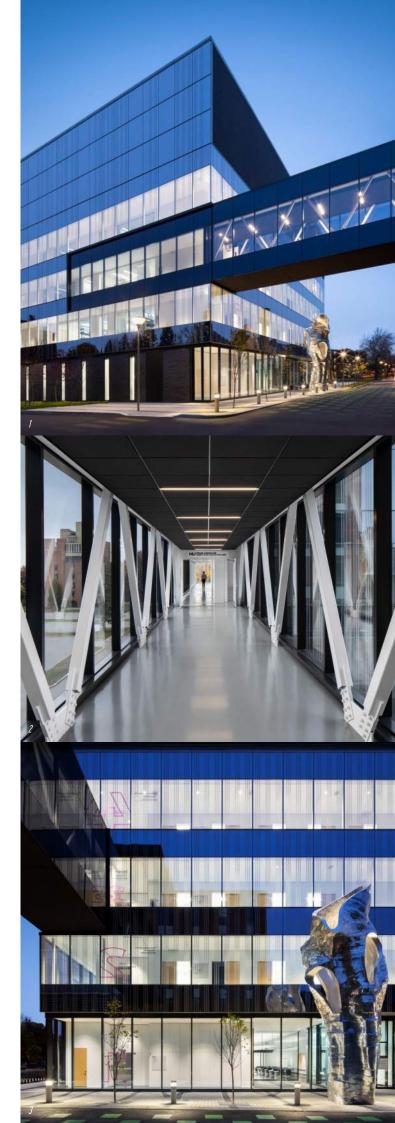
area > 12 500 m² (5 floors)
use of Revit (2D and 3D), Sketchup
role junior (6 months of experience)

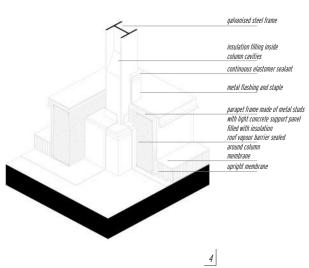
team of **7**language **french** 

phase contract documents

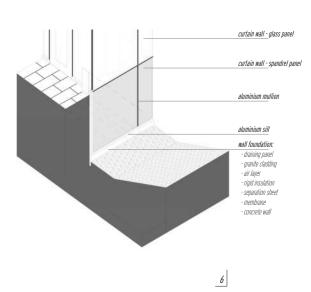
- adjusting drawings according to the architect's comments including plans, sections, elevations, curtain wall details, foundation details, axonometric details in order to complete submission for tender.

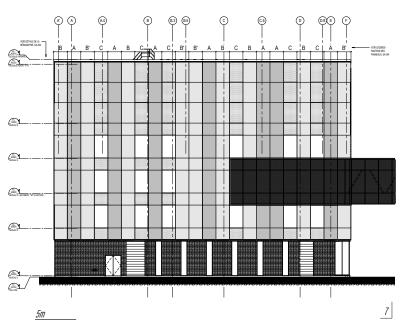
















# municipal court competition

Laval, QC, Canada, 2024

type envelope (brick and metallic panels), base building and interiors

area > 6 500 m² (3 floors and underground parking)

use of **Revit, Enscape, Indesign** 

role intermediate architect (7 years of experience)

team of 3 language **french** 

phase presentation documents for the city

- 3d model in Revit (including renders);
- 2d plans in Revit (including area plans);
- volumetric diagrams;
- design brief analysis;
- zoning by-laws and building code verifications;
- weekly addendum analysis;
- meeting minutes (engineers, contractor, landscape architect etc.)

ill. 1\_ general axonometric render ill. 2\_ perspective renders ill. 3\_ axonometric diagrams ill. 4\_ general section ill. 5\_ general axonometric diagram ill. 6\_ building plans and program ill. 7\_ entrance perspective render







## fednav offices renovation

Head office, Montreal, QC, Canada, 2019-2020

type interiors

area > 4 400 m² (2 floors)

use of Revit (2D and 3D), InDesign, Photoshop, PowerPoint

role junior (3 years of experience)

team of 4

language french/english

phase proposal presentation and contract documents

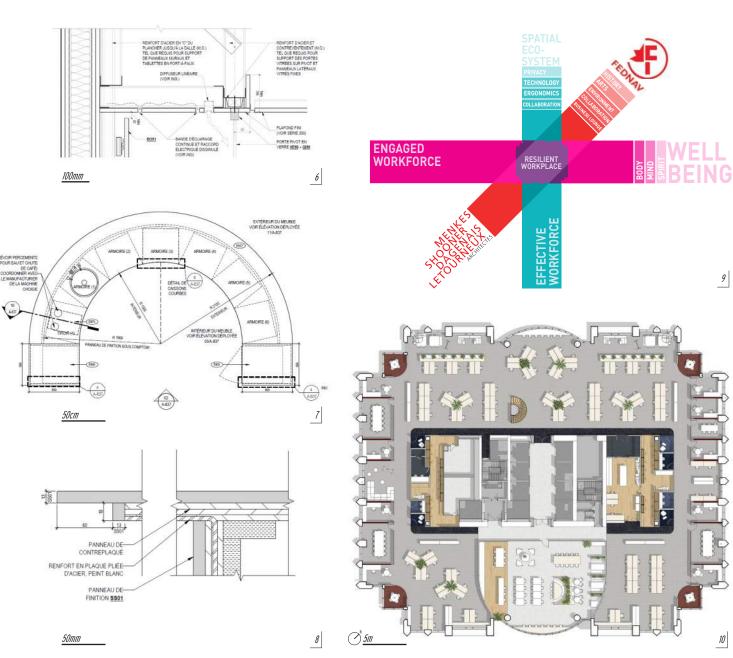
- preparing project proposal presentation (in english);

- drawing plans, sections, elevations;

- detailing integrated furniture.

ill. 1\_ perspective render open office area ill. 2\_ perspective render cafeteria ill. 3\_ perspective render closed offices ill. 4, 5, 11\_ completed project photographs ill. 6\_ glass display case section detail at head ill. 7\_ cafeteria counter plan ill. 8\_ counter top detail ill. 9\_ concept diagram ill. 10\_ finishes floor plan









#### SNC Lavalin offices renovation

Head office, Montreal, QC, Canada, 2018-present

type **interiors** 

area  $> 28\,000\,\mathrm{m}^2$  (15 floors of office space, cafeteria,

conference center, lobby, gym, locker rooms)

use of Revit (2D and 3D), InDesign, Photoshop, Excel, Word, AutoCAD

role junior (2 years of experience)

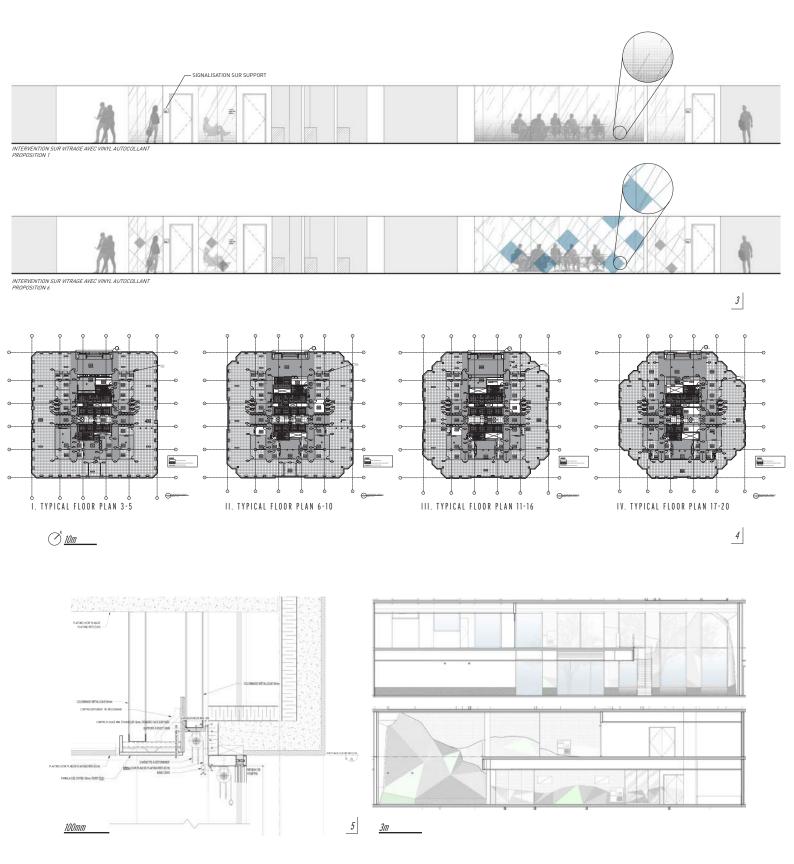
team of **5 (average)** language **french** 

phase preliminary drawings up to contract documents and administration

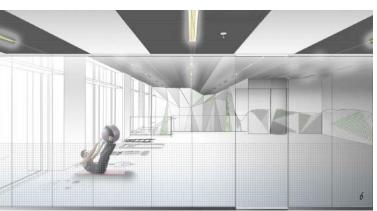
- retrieving and analyzing drawings of the existing building to properly model base building in revit;
- drawing plans, sections, elevations, interior details;
- detailing integrated furniture;
- costs estimates;
- proposal for signage concept;
- keeping track of the materials and doors schedules;
- participating in site visits;
- issuing change directives;
- reviewing shop drawings/technical data sheets.

ill. 1\_ perspective renders
ill. 2\_ preliminary program perspective section
ill. 3\_ glass partitions signage research
ill. 4\_ typical floor plans
ill. 5\_ blinds detail section
ill. 6\_ gym section and perspective renders











### 5 data centers - confidential work

various projects in Canada, 2018-2021

envelope (insulated metal panels), base building and interiors type

area > 12 000 m<sup>2</sup> (3 floors max.)

Revit (2D and 3D), InDesign, Photoshop, Excel, Word, AutoCAD, use of

SketchUp

junior (2 years of experience) role

teams of french/english language

phase

5 (average)

schematic design up to contract documents

- preparing presentations for urban planning committee review;

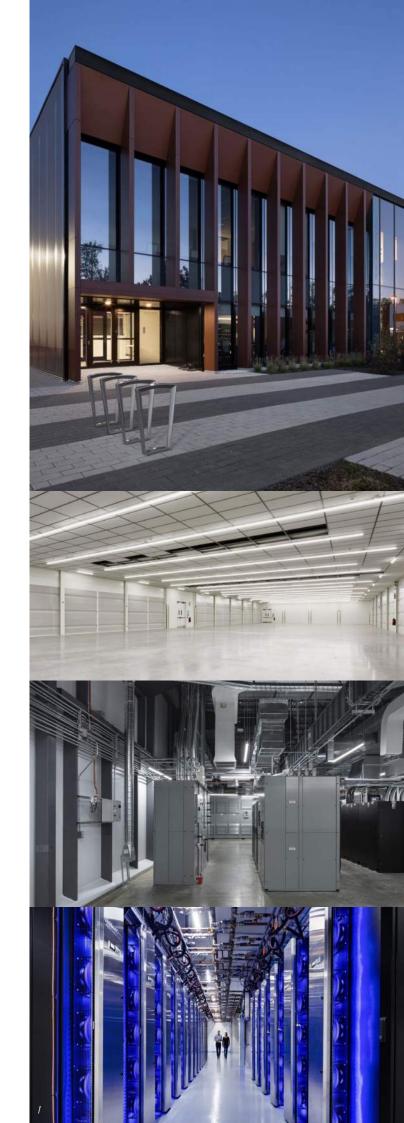
- preparing drawings for building permit;
- adjusting drawings according to the architect's comments;
- drawing plans, sections, elevations, details (interior and envelope) for submisison for tender;
- detailing stairs, washrooms and integrated furniture;
- drawing roof plans and details;
- keeping track of the materials schedule;
- analyzing site;
- coordinating with engineers and consultants;
- designing office space

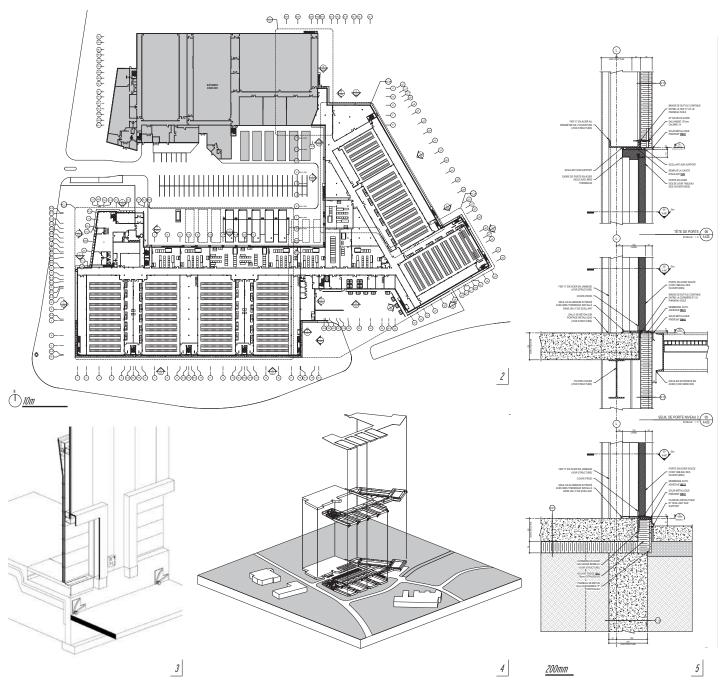
(proposals, materials research, drawings);

- meeting with clients;
- site visits;
- preparing drawings and forms for change directives;
- coordinating with WZMH architects office in

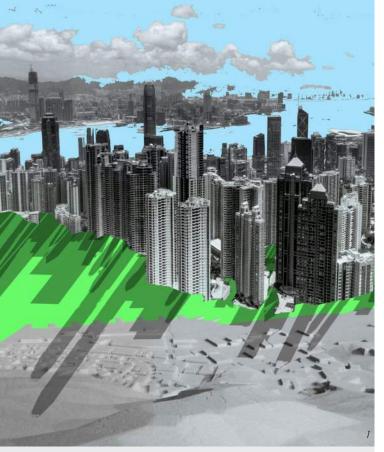
Toronto to prepare and submit building permits in Quebec.

ill. 1\_ completed projects photographs ill. 2\_ floor plan ill. 3\_ loading dock axonometric detail ill. 4 exploded axonometric of site ill. 5\_ exterior wall section detail ill. 6 perspective render







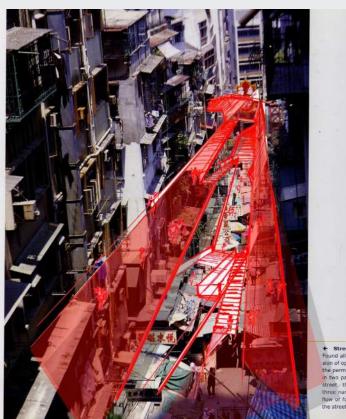


# 人山人海

pronounced *rénshān rénhā i* is a Chinese idiom meaning *mountains and seas of people* in other words a vast/dense crowd or in other words: Hong Kong.

# 走街串巷

pronounced  $zo_0^{W}$  jie chùanhàng is a Chinese idiom meaning walking through streets and alleys what the Long Line offers in complete continuity.



MERGING URBAN SCALE WITH HUMAN SCALE

A 1

#### Hong Kong High DensCity

thesis, Master of Architecture, graduation project, awarded distinction

length approx. 8 months
advisor prof. Benjamin Gianni

language english

Urbanization and civilization go hand in hand. Human beings have, over time, largely transitioned from a nomadic to more sedentary, urban way of life. Cities however tend to generate and incite their own forms of movement, both horizontal and vertical.

Cities are living organisms.

In order to function and grow they require air, light, water: they must breathe, accommodate continuous flow, sustain incessant renewal.

While cities throughout time have struggled with high densities and overpopulation, these challenges are also proof of their attractiveness. Liveliness, diversity and spontaneous encounters ensure the city's appeal.

The high-densities of mega cities make it both necessary and possible to pursue extraordinary infrastructures (sometimes "over the top"?) to address with congestion; there will always be people to occupy the space. The crowd/mass dictates both the evolution of the built environment and the nature and extent of urban circulation systems.

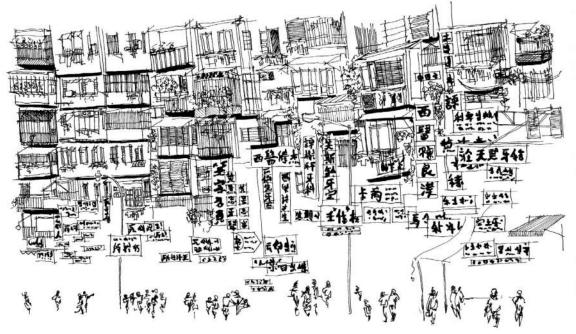
On the one hand, cities must adapt to the modes and routes along which its residents wish to travel; on the other hand, they must manage them. In extreme cases cities must also deal with challenging topography as, for example, those that occupy narrow bands of land trapped between the mountains and the sea. Space constraints not only push buildings together but upward, further increasing the density. The more people that occupy a city, the more challenging it is to manage the movement of people. The combination of high densities and robust topography is what produced the network of elevated walkways in the central business district of Hong Kong Island.

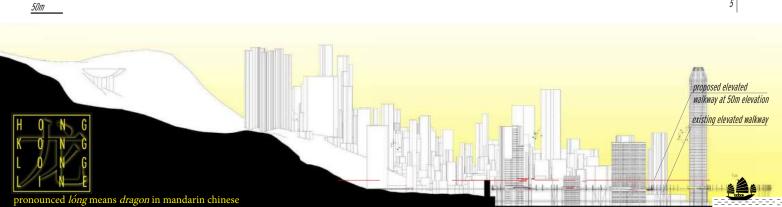
This thesis researches an as-yet-unrealized but inevitable fourth generation (46) circulation system for Hong Kong's downtown core. While primarily for pedestrians, this new circulation layer will be physically and functionally distinguishable from the city's current network of elevated walkways. While the latter only brushes past towers' façades, this proposal named the Long Line has the audacity of merging with the architecture, refurbishing in consequence its interior layout.

ill. 1\_ collage with physical site model ill. 2\_ conceptual sketch on book illustration ill. 3\_ site plan ill. 4\_ hong kong street sketch ill. 5\_ site and bridge section/elevation





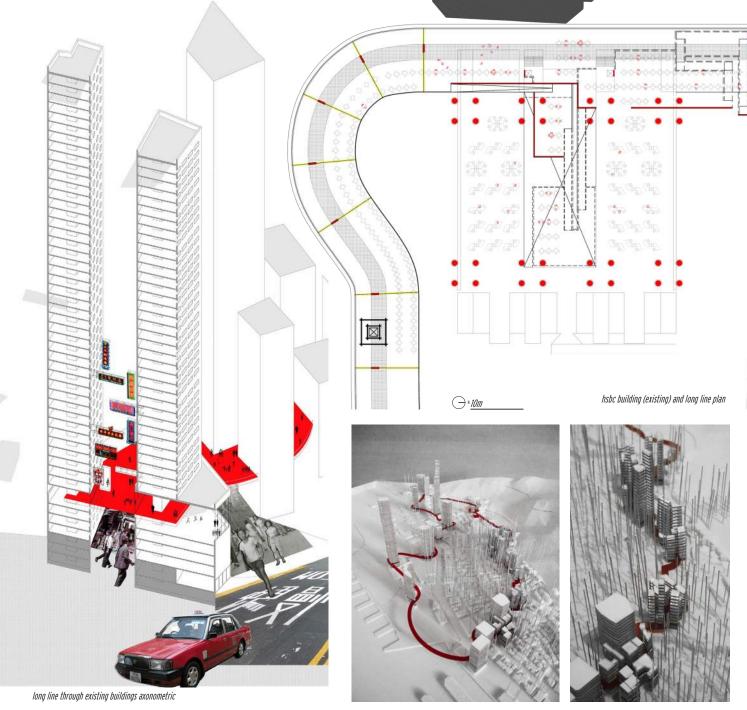


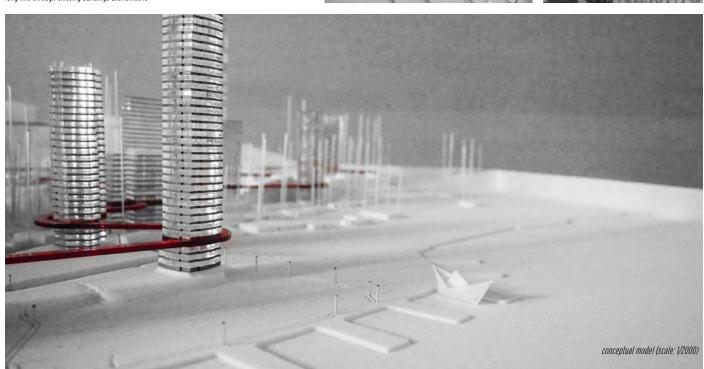














«WHAT COULD BE MORE
ABSOLUTE THAN
SILENCE?»

-HONORÉ DE BALZAC

A 2

### library for downtown Ottawa

Master of Architecture, individual project

length approx. 3 months advisor prof. Claudio SGARBI

language english

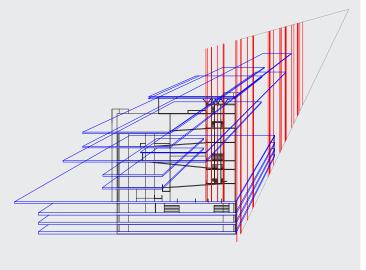
The site was bounded by two parallel streets which is why I decided to link the latter by creating a new inner street. This altered the regular existing grid but also introduced a new type of facade for the downton urban street.

The library is divided into two opposing parts:

-one long SILENT volume, horizontal in design, when regarding to the materials used but also the structure (concrete and wood). This side offers areas of «absolute» silence for work, research and offices for staff. The latter are the «boxes of silence».

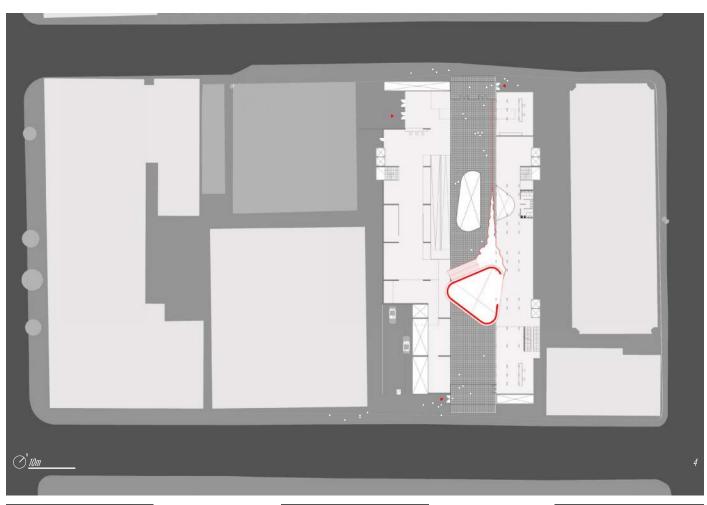
-another long LOUD volume, vertical in its form, surface but especially by its non-interrupted metallic structure from ground to top floor. This permits the acoustic waves to travel from the loud main entrance across the horizontal plans. This volume also holds the functions that generate loud sounds such as cafeteria, children's floor, shops, restrooms... This volume becomes the backstage of a scene that is observed by spectactors on the other side, the silent volume. It is an ajustable space that offers multiple uses for a designated space thanks to its metallic vertical structure.

Both volumes, that can be incorporated as the two lungs of the project, meet at the center, the inner street that brings life to the project. The physical heart of the project is hollow and silent. It curves into a sculptural shelf for the library's basement storage. The latter is visible and accessible from the inner street that penetrates the building.

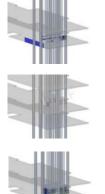




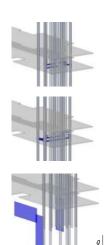
ill. 1\_ sketch on existing context
ill. 2\_ horizontal vs. vertical diagram
ill. 3\_ entrance render
ill. 4\_ ground floor plan
ill. 5, 6, 7\_ fourth, third and second floor plan
ill. 8, 9\_ different uses of the metallic structure diagrams
ill. 10\_ final model photographs





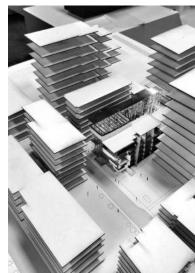




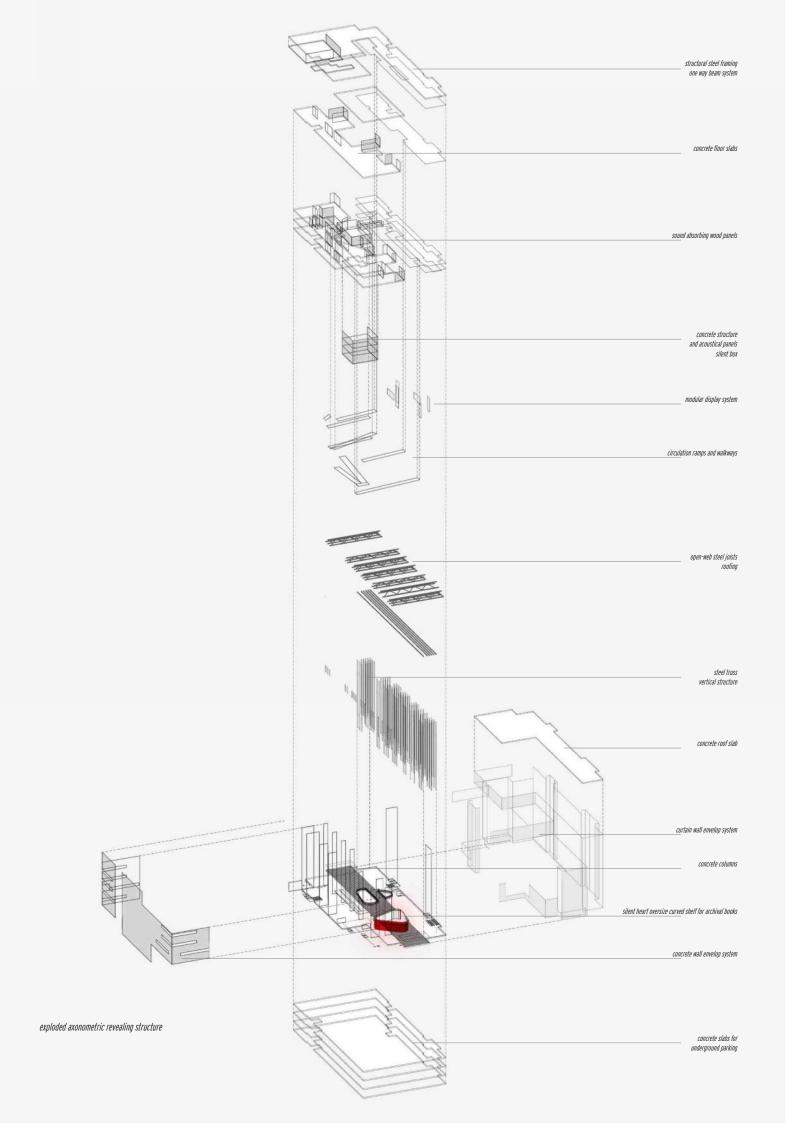




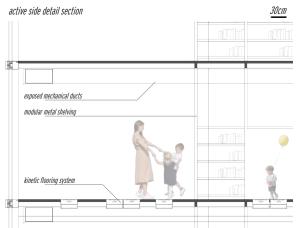


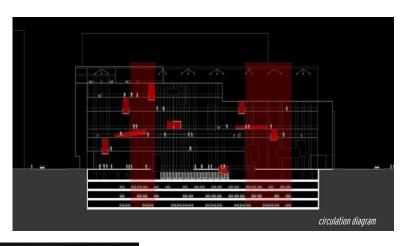




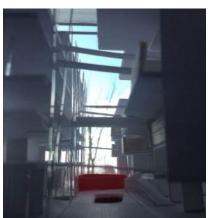


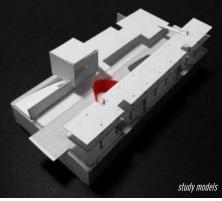




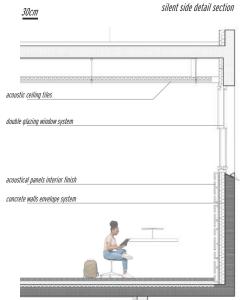




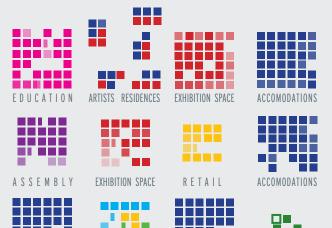












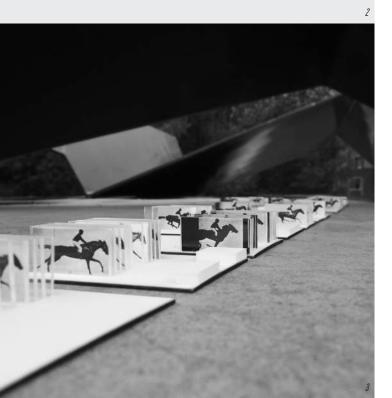
18 FRAGMENTS

ACCOMODATIONS

COMMUNITY

RETAIL & RECEPTION

ACCOMODATIONS



«CINEMAIS A MATTER OF WHAT'S IN THE FRAME AND WHAT'S OUT.»

-MARTIN SCORSESE

A3

### fragmented film museum in Marfa, Texas

Master of Architecture, individual project

length approx. 2 months
advisor prof. Bud BRANNIGAN

language english

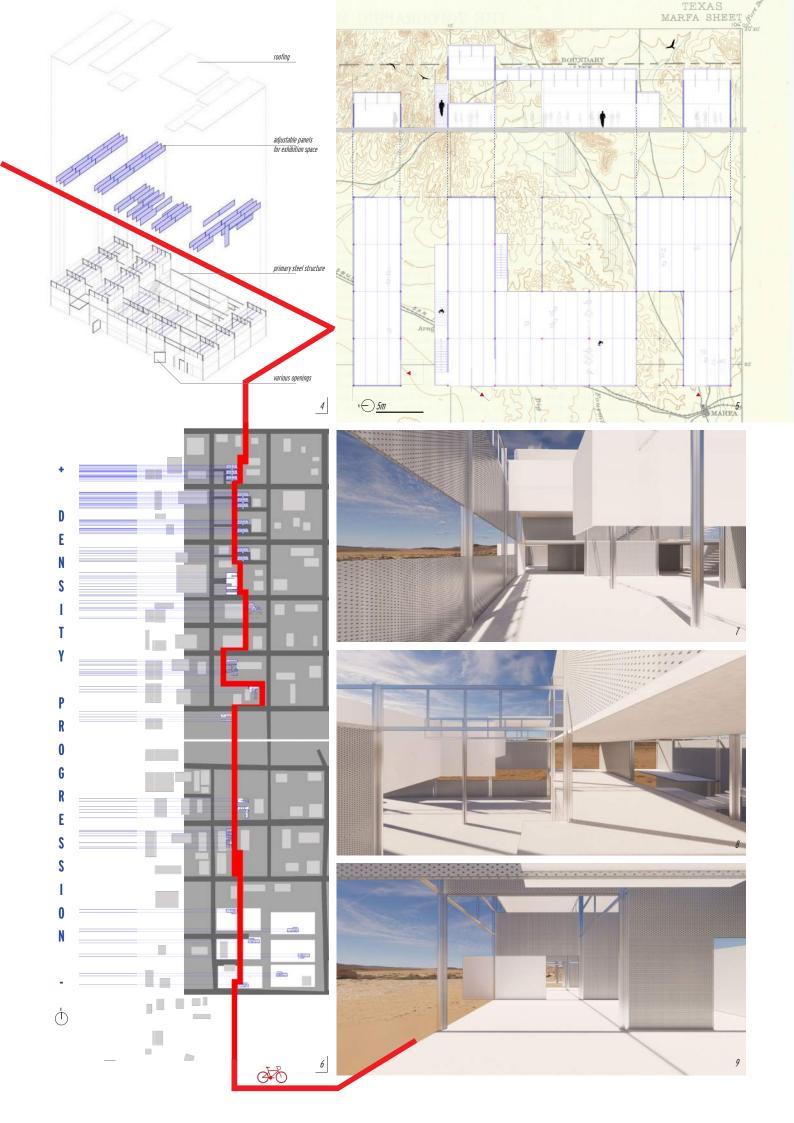
The project is an urban one but working with 3 different scales. From City-scale, to site-scale and finally to fragment-scale, the concept is kept intact. It is a film museum which is why the initial thought was of eadweard muybridge and his series of frames depicting a horse galloping. Still frames can interpret movement. How can a building do the same? The idea is to find a logical sequence to these fragments that compose the museum. This logic is density. beginning near to the center of the city where density is high, the museum fragments respect this density. Further south, the grounds become vaste as do the museum buildings. The grid is the same all the way however it is less filled with vertical panels. The latter are varied in function, colour, material, opacity and number. They can become panels for an exhibition, panels to project on, panels to separate or to unite.

These panels are adjustable and easily removable. If transparent, they are able to frame the exterior (or interior of the building), sky or grounds.

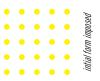
The north gallery is the fifth fragment of the museum. It introduces the idea of merging exterior and interior especially by the use of sliding, swinging, adjustable doors (bondor panels). The succession of vertical panels is at a high frequence, thus creating high density of building. The exhibition space is a grand area with preparation rooms and storage.

The south gallery is the twelfth fragment of the museum. The ambiguity between what is exterior and what is interior is greater than the north gallery. The environment is less dense and a whole half of the proposed grid for each fragment is kept void of building to give visitors the opportunity to discover the building's long façade from the exterior. This is how the building becomes part of the exhibition.

ill. 1, 3\_ conceptual model (scale 1:100) ill. 2\_ program diagram ill. 4\_ north gallery exploded axonometric ill. 5\_ north gallery (high density) section and ground floor plan ill. 6\_ site plan diagram ill. 7, 8, 9\_ renders









#### 30x30 museum

Bach. 2nd year individual project

length approx. 3 months

mentor prof. Pascal QUINTARD-HOFSTEIN

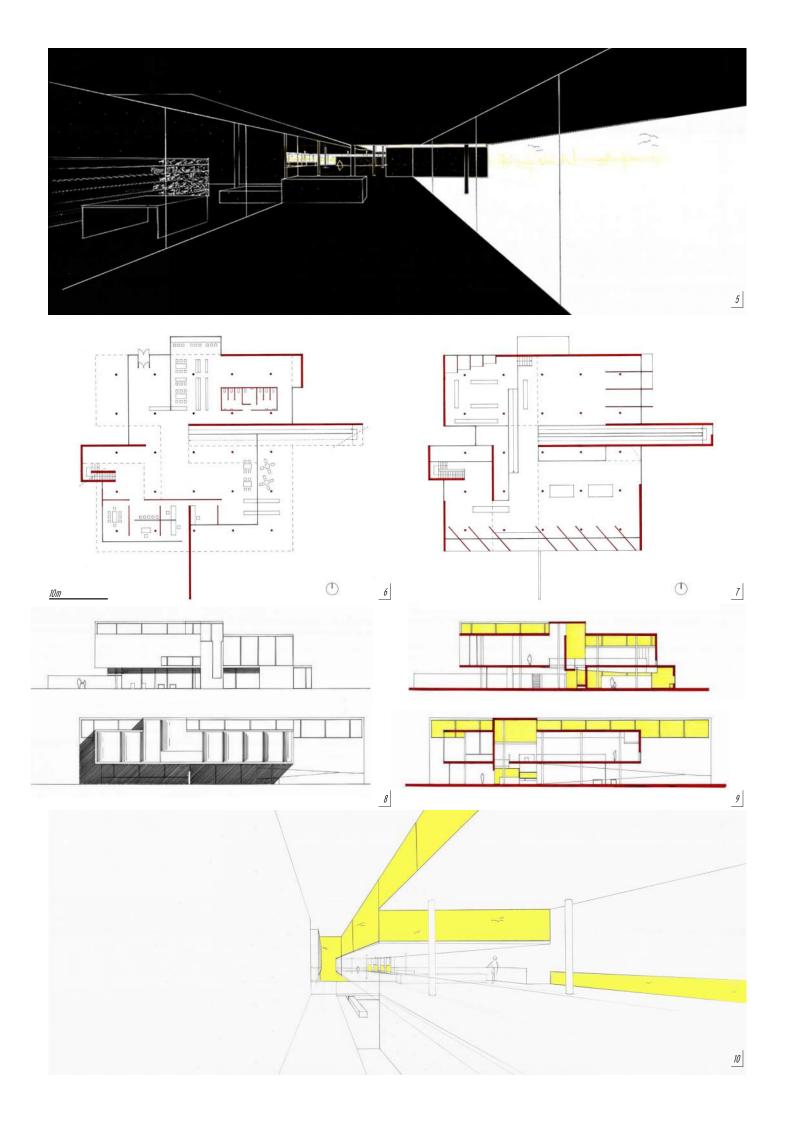
language french

The first guidance of the project was a hypothesis (theme, here being carousel) to establish personally, first working with light itself and eventually through a juxtaposition of elements (9 poles which later became 25 and a horizontal plane eventually combined with a ceiling covering two levels).

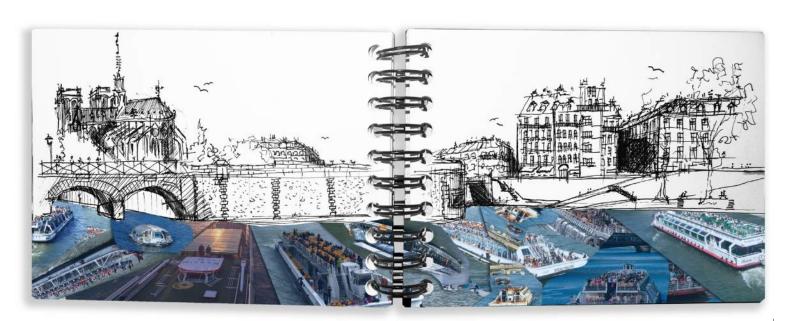
It was only a month after the start of the project that it was announced that the program was a small museum of 30x30m (average), mainly offering 3 halls of exhibition.

My first intention was to clear the plan (delimitation of 30x30m) of any stairs. I was encouraged to pursue this idea, the stairs becoming an access ramp, purposedly exaggerated. It was a way to re-enter the museum (visitors or light) and adding value to the promenade from one floor to the other.

ill. 1, 2, 3\_ research model
ill. 5\_ perspective view entering the museum on the ground floor
ill. 6, 7\_ ground floor and first floor plan
ill. 8\_ elevations
ill. 9\_ sections
ill. 10\_ perspective view from ramp







#### sketchbooks

travels, exhibitions, research studies



ill. 1\_ Singapore skyline, 2016

ill. 2\_ Paris, 2015 La Seine

ill. 3\_ Saint-Petersburg, 2016 Church of our Savior of Spilled Blood

ill. 4\_ Geneva, 2023 Résidence Étudiante du Grand Morillon, by Kengo Kuma AA

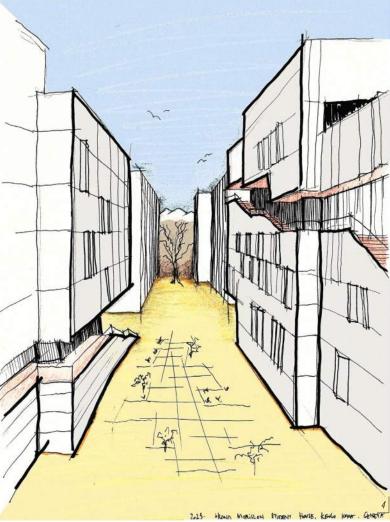
> ill.5\_ Mill Run, PA, 2022 Falling Water, by Frank Lloyd Wright

ill. 5\_ Ottawa, 2016 National Gallery of Canada, by Moshe Safdie + sculpture Maman, by Louise Bourgeois

«TO BE CREATIVE YOU DON'T NECESSARILY HAVE TO BE ABLE TO DRAW.
BUT ON THE OTHER HAND I THINK IT IS A TREMENDOUS TOOL AND I
FIND IT VERY DIFFICULT TO UNDERSTAND HOW NEW GENERATIONS DO
NOT NECESSARILY EXERCICSE THAT SKILL OF DRAWING BECAUSE
EVERYBODY HAS THE TALENT TO, IN ONE WAY OR
ANOTHER, TO BE ABLE TO DRAW AND I THINK SOME OF THE MOST INTERESTING SKETCHES ARE THOSE WHICH HAVE BEEN DASHED OFF VERY
SPONTANEOUSLY AND THEY GIVE A KIND OF INSIGHT, VERY MUCH, INTO

- SIR NORMAN FOSTER











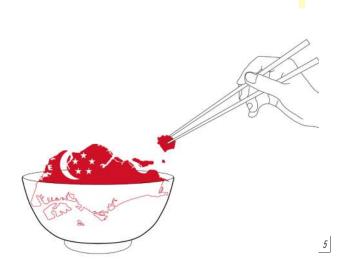












ill. 1\_ Step into the Milky Way ephemeral installation for «Kosmic» architecture event Horticulture Building, Lansdowne, Ottawa, March 2015

> ill. 2\_ model of «Arc de Triomphe empaqueté» by Christo and Jeanne-Claude, 2021

ill. 3\_ model of «Trois Disques» by Alexander Calder, 1967

ill. 4\_ minimalist model of Centre Pompidou, 2016

ill. 5\_ illustration for article about Singapore hawkers, 2017

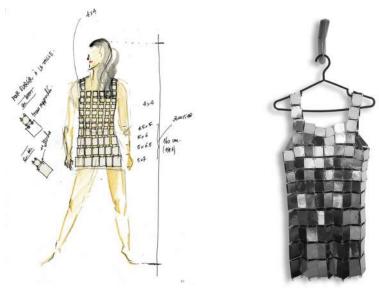
ill. 6\_ La Cariatide de La Villette «body and city» art project, bachelor of architecture year 2, 2013

ill. 7\_ remake of Paco Rabanne's 1966 metallic dress, 2015

ill. 8\_ wedding invitation, 2023

ill. 9\_ paper model of UAE pavilion, by Santiago Calatrava, Dubai, Expo 2020





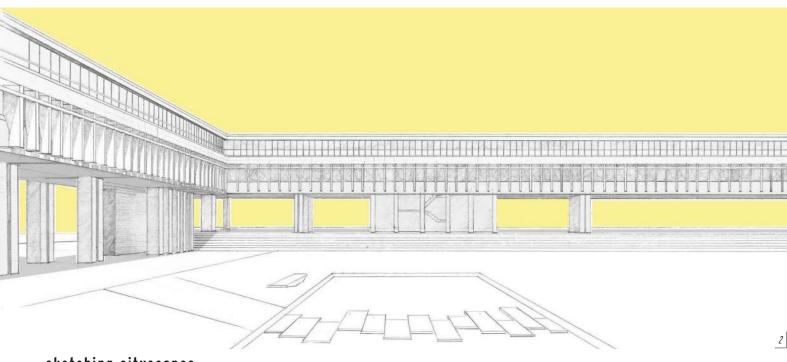












sketching cityscapes

ill. 1\_ New York City from the Whitney Musem, 2015

> ill. 2\_ Burnaby, BC, 2021, Simon Fraser University

ill. 3\_ view of the Sacré-Coeur from Parc des Buttes-Chaumont, Paris, 2014

ill. 4\_ Guggenheim museum, Bilbao, 2022

ill. 5\_ Bauhaus building, Dessau, 2019

ill. 6\_ Milan, 2012 Universita Luigi Bocconi, by Grafton Architects

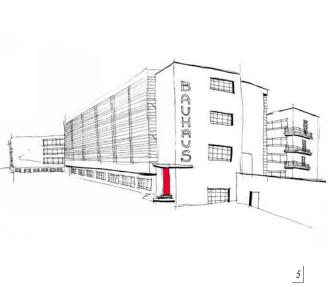
ill. 7\_ Berlin, 2016, Reichstag building, dome by Foster + Partners

> ill. 8\_ Victoria Harbor, Hong Kong Island from Kowloon, 2015

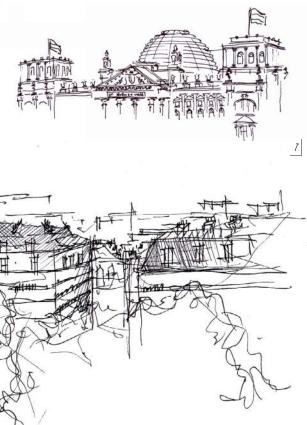


3











MY ADVICE TO A YOUNG ARTIST, YOUNG ARCHITECT, IS FIRST OF ALL, IS ARCHITECTURE WHAT YOUREALLY WANT TO DO MORE THAN ANYTHING ELSE IN THE WORLD AND YOU WOULD DO ANYTHING TO BE ABLE TO DO IT BECAUSE IT REALLY FIRES YOU? IF THAT IS THE CASE YOU'VE MADE THE RIGHT CHOICE AND YOU GO FOR IT AND YOU IMMERSE IN IT, TOTALLY SATURATE IT,

YOU LIVE IT EVERY LIVING SECOND OF YOUR LIFE.

SIR NORMAN FOSTER

