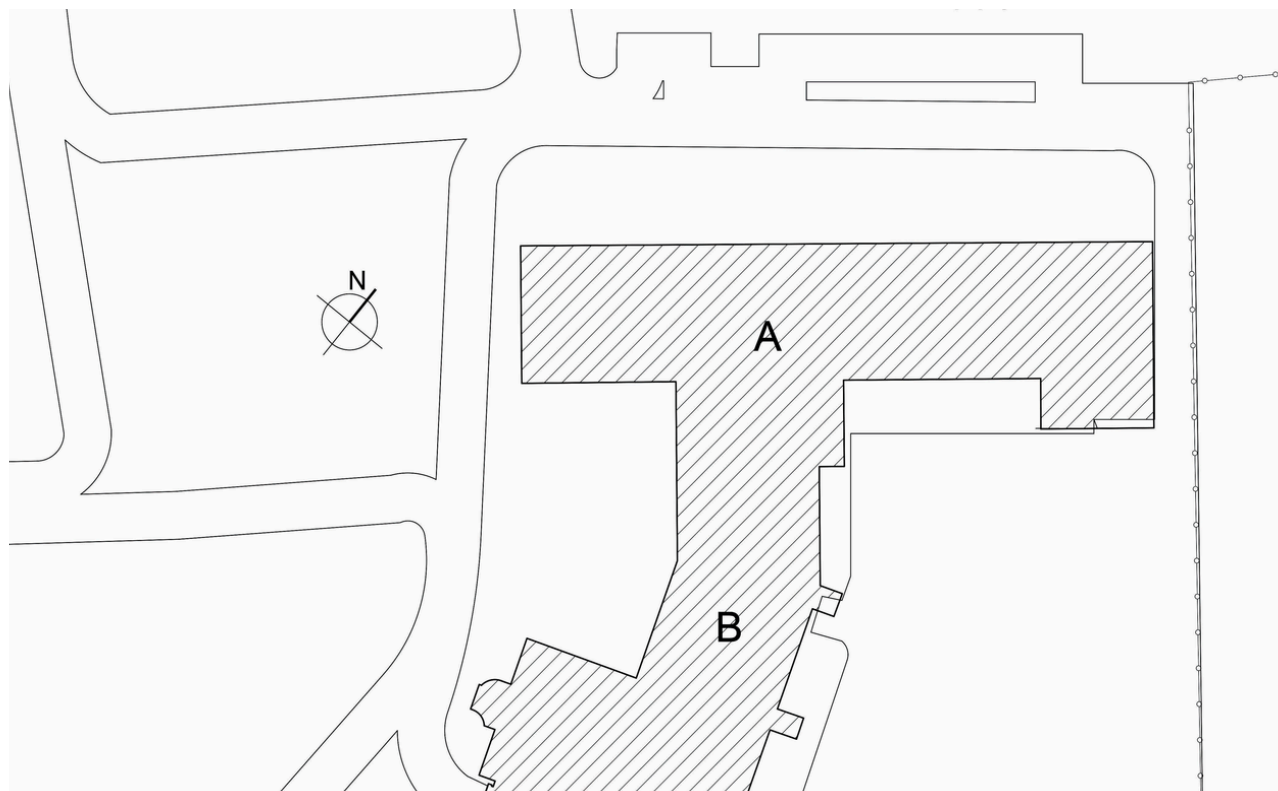


VANIER COLLEGE – STUDENT HOUSING PROJECT

Project 4 – Winter 2026

221-620-VA SECT. 03



Vanier A Extension

821 Sainte-Croix Ave, Montréal, QC H4L 3X9, Canada

Vanier College Student Housing Project



ATLAS CONSTRUCTION

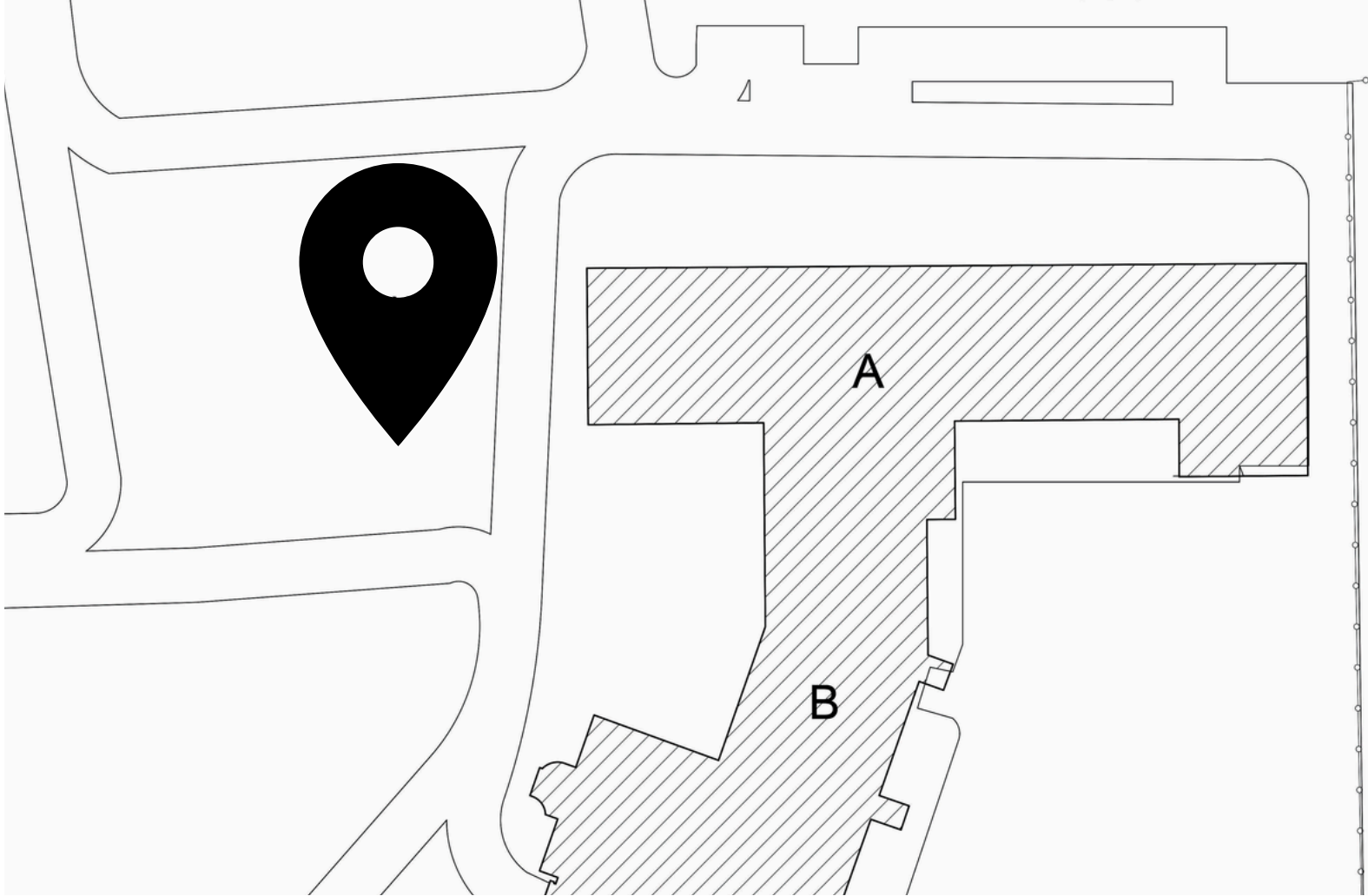
ATLAS CONSTRUCTION

Jillian Montecillo

Johanna Sonokpon

Shakina MacFarlane Montero

LOCATION PLAN



Vanier A Extension

821 Sainte-Croix Ave, Montréal, QC H4L 3X9, Canada
Vanier College Student Housing Project

PROGRAM:

(Rough Guideline)

1st Floor:

- Lounge Area
- Cafe Area/Food Pantry
- Visitors Bathroom
- Study Space
- Janitor Closet

2nd Floor:

- Communal Kitchen
- Janitor Closet
- Communal Shower/Bathrooms
- 20 Studios
- 4 Doubles
- 2 Apartments

3rd Floor:

- Communal Kitchen
- Janitor Closet
- 10 Studios
- 8 Doubles
- 4 Apartments

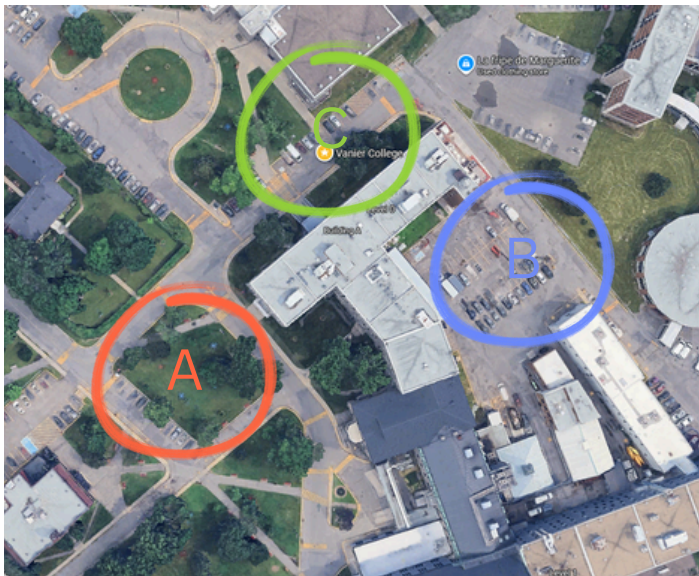
4th Floor:

- Communal Kitchen
- Janitor Closet
- 10 Studios
- 8 Doubles
- 4 Apartments

NOTES:

- Laundry in basement or ground floor.
- Study/Activity/Lounge space for residents.
- Outdoor courtyard space.
- Space for emergency response and evacuation.
- Communal eating/cooking space.
- Bike, commuting considerations.
- Sustainability design features.

- +/- 7,500 sq. ft. Footprint
- 120 Student Residents
- 40 Studios
- 20 Double Suites
- 10 Apartments
- 10% of Units need to be Wheelchair Accessible (minimum 1 of each type)
- (Imperial Units)



Site Propositions

Zone A - South-West Courtyard on the front of A Building.

Zone B - North-East Parking Zone Behind A Building (staff parking).

Zone C - North Parking and Road Access Between A and G Building.

NOTE:

- No need to account for lost parking spaces due to construction.

BUILDING CODE ANALYSIS

QUEBEC CONSTRUCTION CODE, CHAPTER I – BUILDING, AND NATIONAL
BUILDING CODE OF CANADA 2020 (AMENDED)

BUILDING CHARACTERISTICS:

- OCCUPANCY: MAJOR:GROUP C (FLOORS 2-4), GROUP A DIVISION 2(FLOOR 1)
MINOR:GROUP G DIV. 3 (GREENHOUSE), GROUP D (LAUNDRY), GROUP A
DIVISION 1 (THEATRE)
- HEIGHT: 4 STOREYS
- AREA: 1300SF=1208M²
- FACING NUMBER OF STREETS: 2

SECTION 3.2.2 REQUIREMENTS

FLOORS 2-4

- CLASSIFICATION:3.2.2.52.
- TYPE OF CONSTRUCTION: NON-COMBUSTIBLE CONSTRUCTION OR
COMBUSTIBLE CONSTRUCTION
- MAXIMUM BUILDING AREA ALLOWED: 19375 SF
- MAXIMUM BUILDING HEIGHT: 4 STOREYS
- SPRINKLER SYSTEM REQUIRED: YES
- FIRE RATING: 1H MIN

FLOOR 1:

- CLASSIFICATION:3.2.2.24.
- TYPE OF CONSTRUCTION: NON-COMBUSTIBLE CONSTRUCTION
- MAXIMUM BUILDING AREA ALLOWED: ANY AREA
- MAXIMUM BUILDING HEIGHT: 6 STOREYS
- SPRINKLER SYSTEM REQUIRED: YES
- FIRE RATING: 1H MIN

BUILDING CODE ANALYSIS

COMPARTMENTALIZATION:

- FIRE PROTECTION SYSTEM REQUIRED: SPRINKLED, 1H FIRE RATING
- OCCUPANCY LOAD FLOORS 2-4: 260 PEOPLE
- OCCUPANCY LOAD FLOOR 1:
 - CAFETERIA: **118 PEOPLE** (1536SF/13P/SF) FOR 120 PPL, MIN 1560SF
 - THEATER: **BASED ON NUMBER OF SEATS** 3.1.17.1.(1)(A)
 - STUDY SPACE: **46 PEOPLE**
 - LOUNGE/LOBBY: **98 PEOPLE**
 - GREEN HOUSE **17 PEOPLE**
 - SECURITY ROOM: **1.81 PEOPLE**
 - QUIET ZONE: **8 PEOPLE**
 - LAUNDRY: **PEOPLE**
 - PANTRY: 6 PEOPLE

EGRESS

- MAXIMUM AREA OF SUITE 3.3.1.5.-B
 - GROUND FLOOR: 200M² (2150SF)
 - FLOORS 2-4: 159M² (1600 SF)
- MINIMUM CORRIDOR WIDTH: 1100MM (3'7 5/16") 3.3.1.9.
- DEAD END MAX 9M
- DOOR SWING: IN THE DIRECTION OF TRAVEL OF EXIT IT OCCUPANT LOAD IS MORE THAN 60 (3.3.1.11.(2))

EXITS

- MINIMUM NUMBER OF EXITS: 2
- MAX DISTANCE BETWEEN EXITS:
- MAX TRAVEL DISTANCE: 50M (164 FT) FROM ANY SPACE
- MIN EXIT WIDTH: 1100MM
- MIN STAIRS WIDTH: 1100MM
- MIN DOORWAY WIDTH: 850MM
- MAXIMUM TRAVEL DISTANCE TO EXIT: 164FT, 50M

VERTICAL TRANSPORTATION

- MIN FIRE RESISTANCE RATING: 1H
- MIN ELEVATOR CAR DIMENSIONS: 2010MM X 610MM (6'7 9/64" X 2'1/64") [3.5.4.1.]

SANITARY FACILITIES [3.7.2.2]

- FIRST FLOOR
 - WATER CLOSETS
 - WOMEN: 4
 - MEN: 2 (URINAL 1)
 - LAVATORIES FIRST FLOOR
 - WOMEN: 2
 - MEN: 1
 - FLOOR DRAIN: YES

BUILDING CODE ANALYSIS

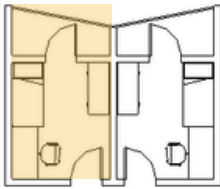
ACCESSIBILITY REQUIREMENTS

- DESIGNED WHEEL CHAIR SPACES (FIXED SEATING): 2 [3.8.2.3]
- CLEAR WIDTH TO DOORWAYS: 850MM
- 3.8.3.11. WATER-BOTTLE FILLING STATION
 - SHOULD ACTIVATE AUTOMATICALLY
 - A CLEAR FLOOR SPACE OF 800 MM BY 1 350 MM IN FRONT
 - A KNEE CLEARANCE
 - BE OPERABLE AT A HEIGHT OF NOT MORE THAN 1 200 MM ABOVE THE FLOOR

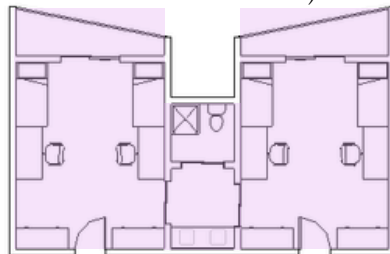
FLOOR PLANS

WEEK 3 - SQUARE FOOTAGE

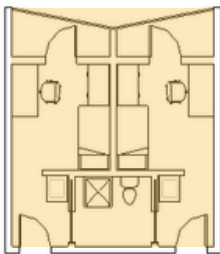
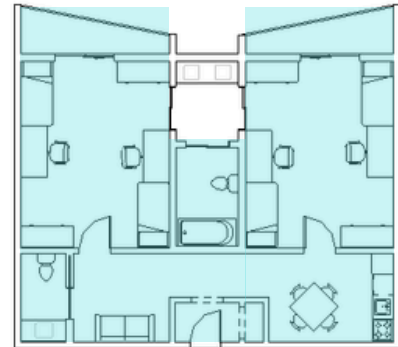
STUDIO 1)



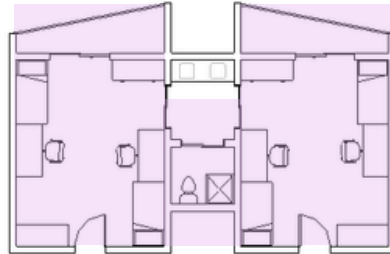
DOUBLE 1)



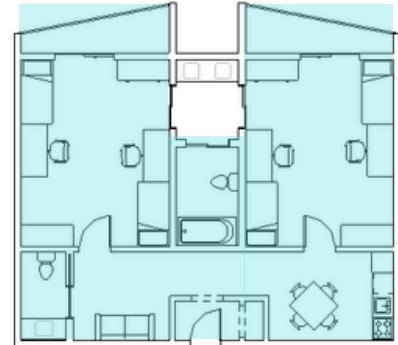
APARTMENT 1)



STUDIO 2)



DOUBLE 2)



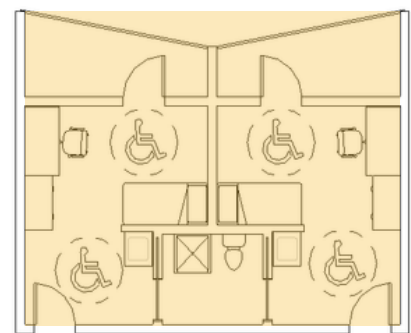
APARTMENT 2)

Dimensions

- Studio 1: 104 s.q. ft
 - Balcony: 33 s.q. ft
- Studio 2: 337 s.q. ft
 - Balcony: 66 s.q. ft
- Double: 607 s.q. ft
 - Balcony: 89 s.q. ft
- Apartment: 958 s.q. ft
 - Balcony: 89 s.q. ft
- Communal Kitchen: 200 s.q. ft
- Common Areas: *Depends on the type of space

NOTE:

- Studios need to be adapted for accessibility.
- Doubles and Apartments are already designed as accessible units.

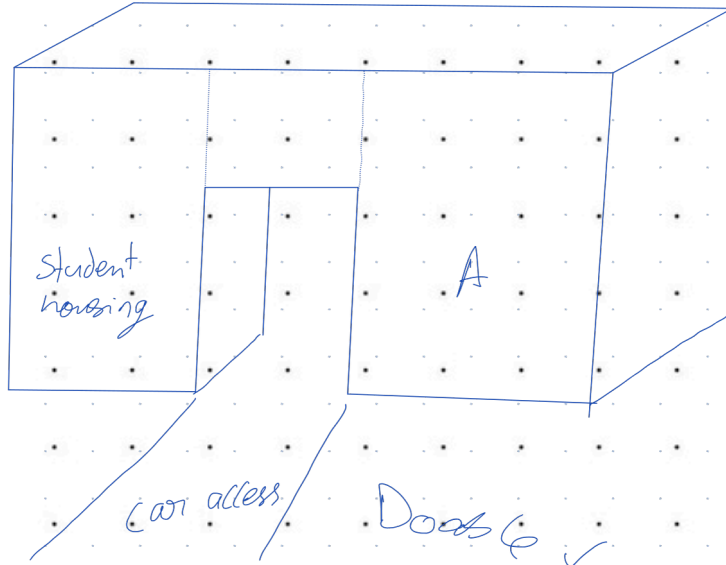


STUDIO - ACCESSIBLE

Studio A: 424 s.q. ft

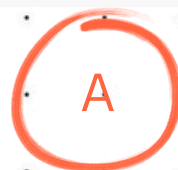
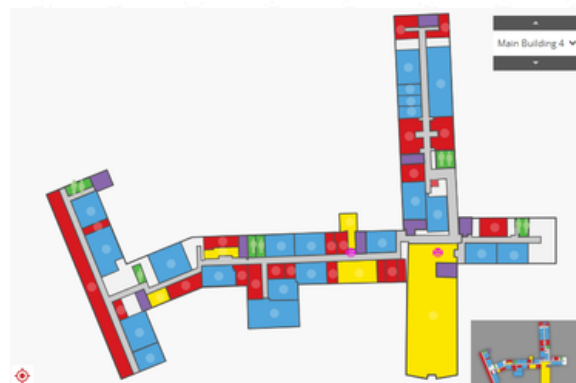
Balcony: 128 s.q.

ZONE A - IDEAS

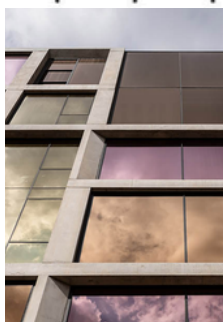
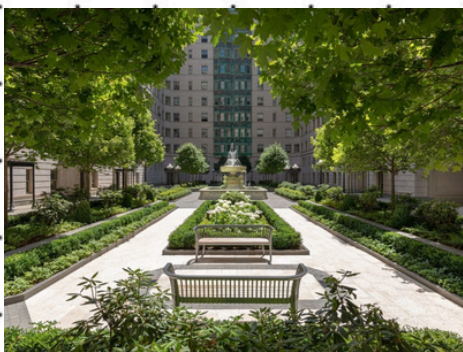
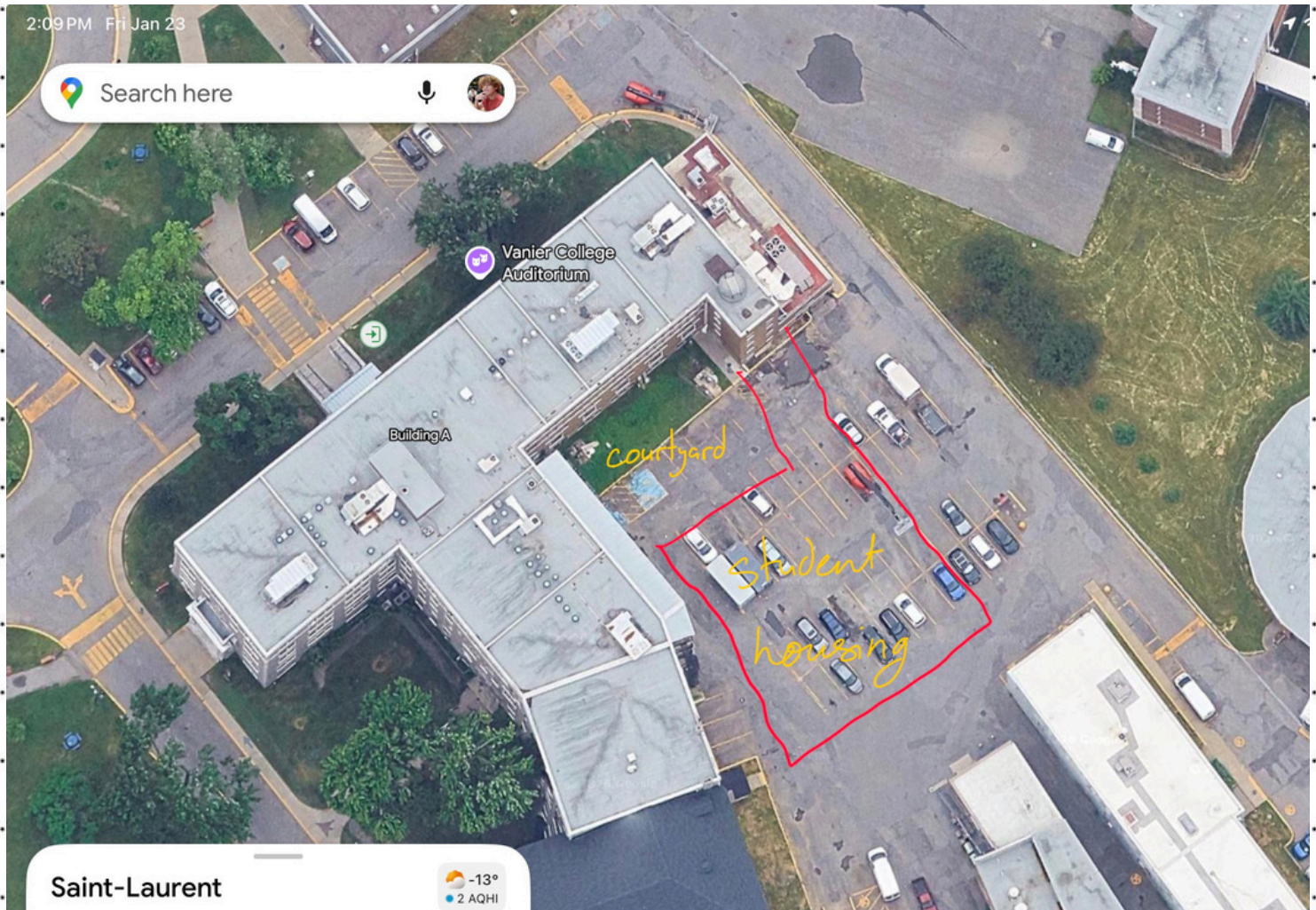


Skywalk Proposition

- Connection through the front facade of Building A, fourth floor.
 - Skywalk over the road to create cover for cars and A Building Main entrance.
- Or
- Porte Cochere with a connection between buildings above.
 - Passive design: optimized building orientation for energy efficiency.



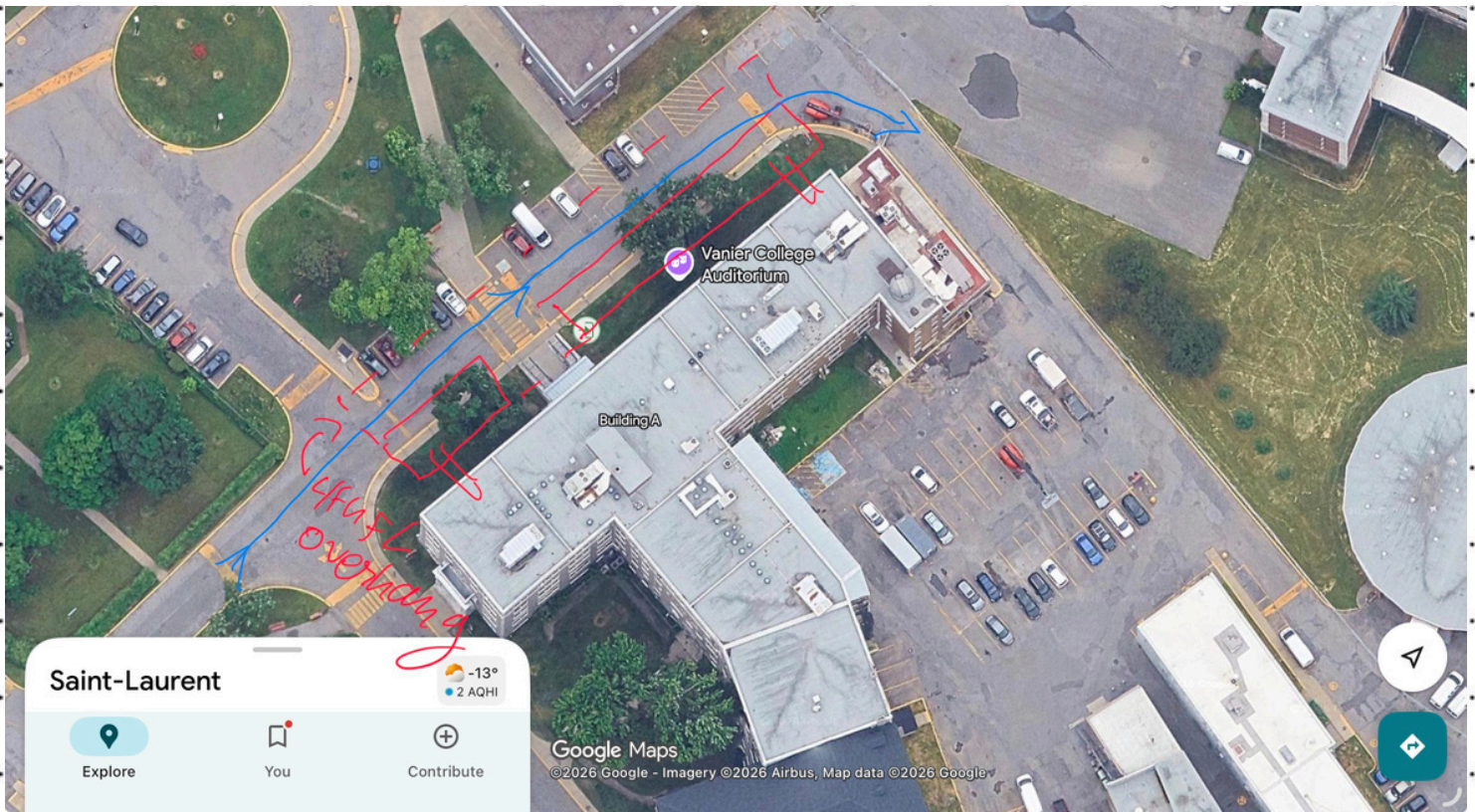
ZONE B – IDEAS



Courtyard Proposition

- Connection through the front facade of Building A, fourth floor.
- Reflected glass for privacy of units and to bring colour.
- Interior courtyard to create more green space and communal areas.
- Include a rainwater-harvesting system and composting system to maintain green spaces.
- Statue or water feature at the center of the courtyard.

ZONE C - IDEAS



Cantilever Proposition

- Connection through the north facade of Building A, fourth floor (+Gym).
- Residences cantilevered above road access.
- Consider the structure's sculptural design as a feature.
- Research solution for code requirements, A classroom ventilation, egress and lighting.

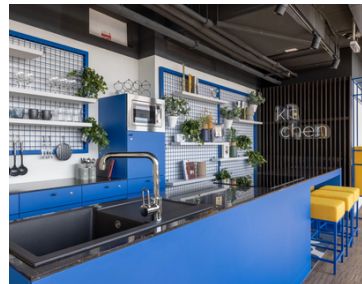
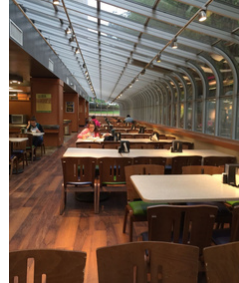


North Carolina A&T State University

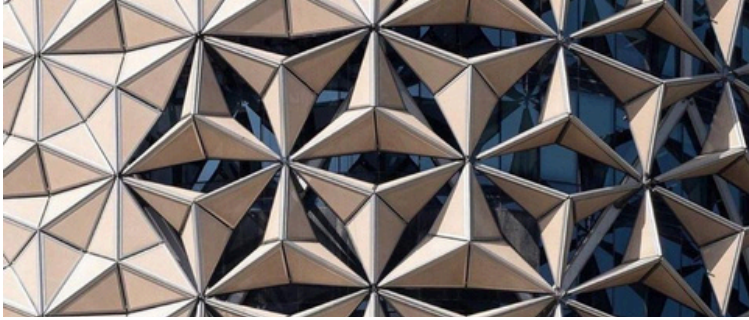


St. Andrew's - Student Housing

INTERIOR INSPIRATION

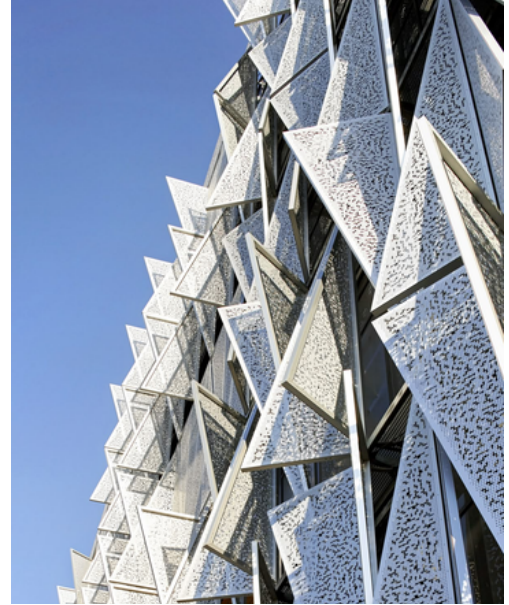


SUSTAINABILITY ELEMENTS RESEARCH



Kinetic facades/Dynamic facades

Enhances a building's performance and overall aesthetics. Due to its wide variety of possible system components, it is also known for its natural light optimization, regulation of solar heat gain, and ventilation improvement.



Hemp Insulation

It is used to enhance the building's quality and interior comfort while limiting the environmental impact of its construction.

Commonly grown accross Canada, hemp can be turned into batt insulation which then can be used in wood and steel construction.



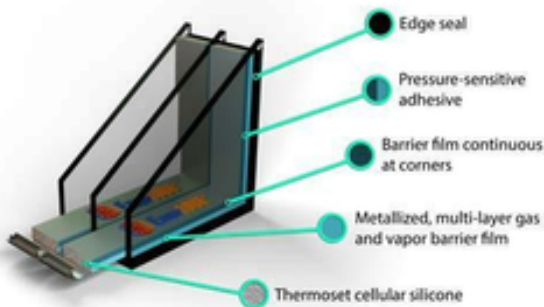
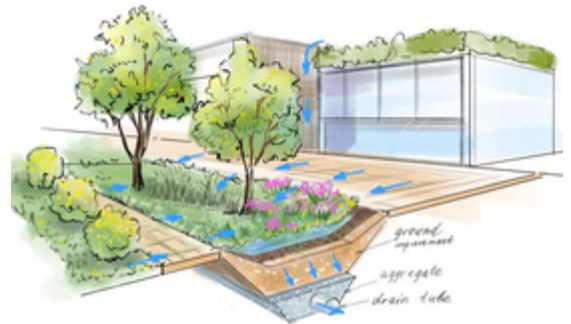
Green Roof

Can mitigate the heat island effect, reducing stormwater runoff, and lowering building energy consumption. They improve air quality, provide biodiversity habitats, and extend roof lifespans. While offering significant ecological benefits, they require high upfront costs, specialized structural support, and ongoing maintenance.

SUSTAINABILITY ELEMENTS RESEARCH

Stormwater Management

Building infrastructure that treats, retains, and infiltrates rain where it falls, reducing runoff pollution and flood risks compared to traditional pipe-and-drain methods. By mimicking natural hydrology through techniques like permeable paving and rain gardens, it protects water quality, recharges groundwater, and increases urban resilience.



Windows and Curtain Walls

Double or triple glazing, Low-E (low-emissivity) coatings, and sustainable frame materials like fiberglass, vinyl, or wood. Eco-friendly, energy-efficient, and durable windows are designed to reduce carbon footprints and energy bills by 15-55% through superior insulation.



Reflective Window Film

Enhances energy efficiency through high solar reflectance, which reduces cooling loads in warm climates. They often feature low-emissivity (Low-E) coatings, double/triple glazing, and sustainable materials to minimize environmental impact and improve insulation. These systems contribute to LEED certifications by controlling solar gain and allowing natural light, decreasing reliance on HVAC and artificial lighting. It also allows for more privacy for occupants.

Skylights and Curtain Walls

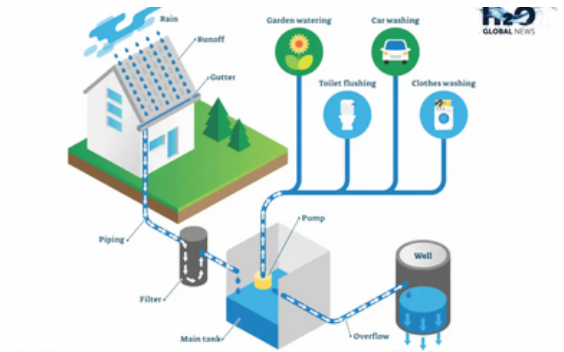
Improve energy efficiency by maximizing natural daylight by reducing artificial lighting needs by up to 70-80%. Modern eco-friendly options feature high-performance glazing, recycled aluminum/PVC materials, and ENERGY STAR certification.



SUSTAINABILITY ELEMENTS RESEARCH

Rainwater Collection

Helps preserve our natural water sources. By collecting rainwater, we ease the demand on rivers and wells, ensuring these vital resources stick around for the long haul. This conservation is a big win for our ecosystems and the balance of our natural world. Common uses include lawn and garden watering, greenhouse irrigation, and indoor toilet and urinal flushing.



Cork Finish

A highly sustainable material because it is made from the renewable bark of cork oak trees, which are harvested every 9-14 years without killing the tree. The material is carbon-negative, recyclable, and biodegradable, and . It is also durable, lightweight, antimicrobial, and hypoallergenic, making it a low-maintenance, eco-friendly choice for interiors. +Soundproofing properties.



Linoleum Finish

A popular sustainable flooring choice, combining durability and modern aesthetics. With its roots in natural, renewable materials, linoleum offers numerous environmental benefits for those looking to reduce the ecological impact of their flooring options. It's rapidly renewable natural content, resilience, as well as its non allergenic properties make it a superior flooring choice. An excellent choice in schools and healthcare facilities.

Living Wall and Replanting Trees

Enhancing energy efficiency through natural insulation, reducing urban heat islands, and improving air quality by filtering pollutants. Re-planting trees is sustainable because it restores ecosystems, sequesters atmospheric carbon dioxide to combat climate change, and boosts biodiversity. Trees act as natural carbon sinks, storing carbon for centuries while preventing soil erosion and improving air/water quality.



SUSTAINABILITY ELEMENTS RESEARCH

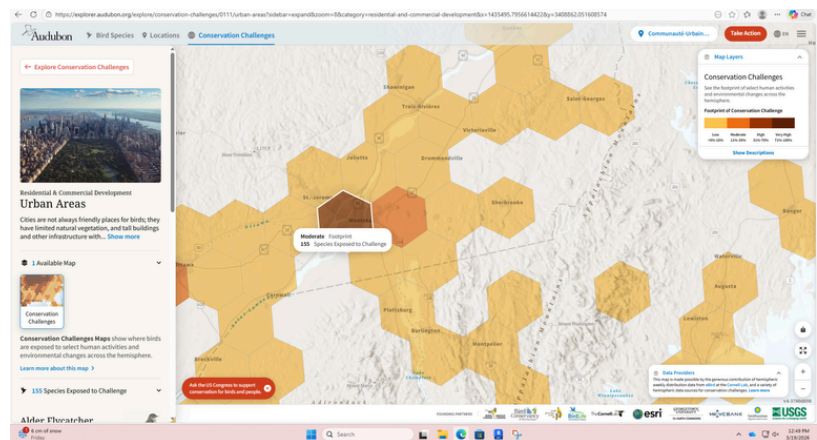
low flow plumbing fixtures

Low-flow plumbing fixtures are water-saving devices designed to reduce water consumption while maintaining performance, including toilets, faucets, and showerheads.



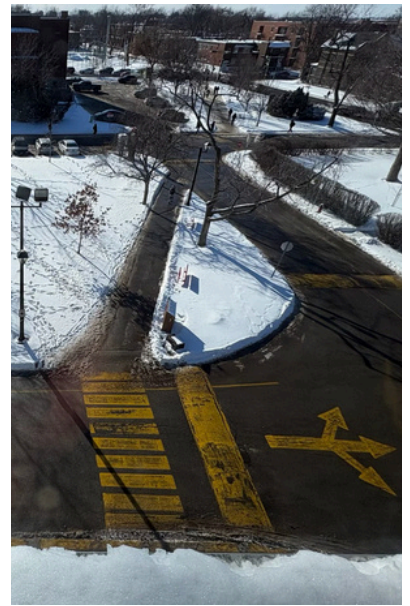
wildlife conservation challenge

Reduce harm caused to local wildlife



- Replanting trees that were destroyed
- Homes for birds and squirrels

BUILDING SURVEY PICTURES



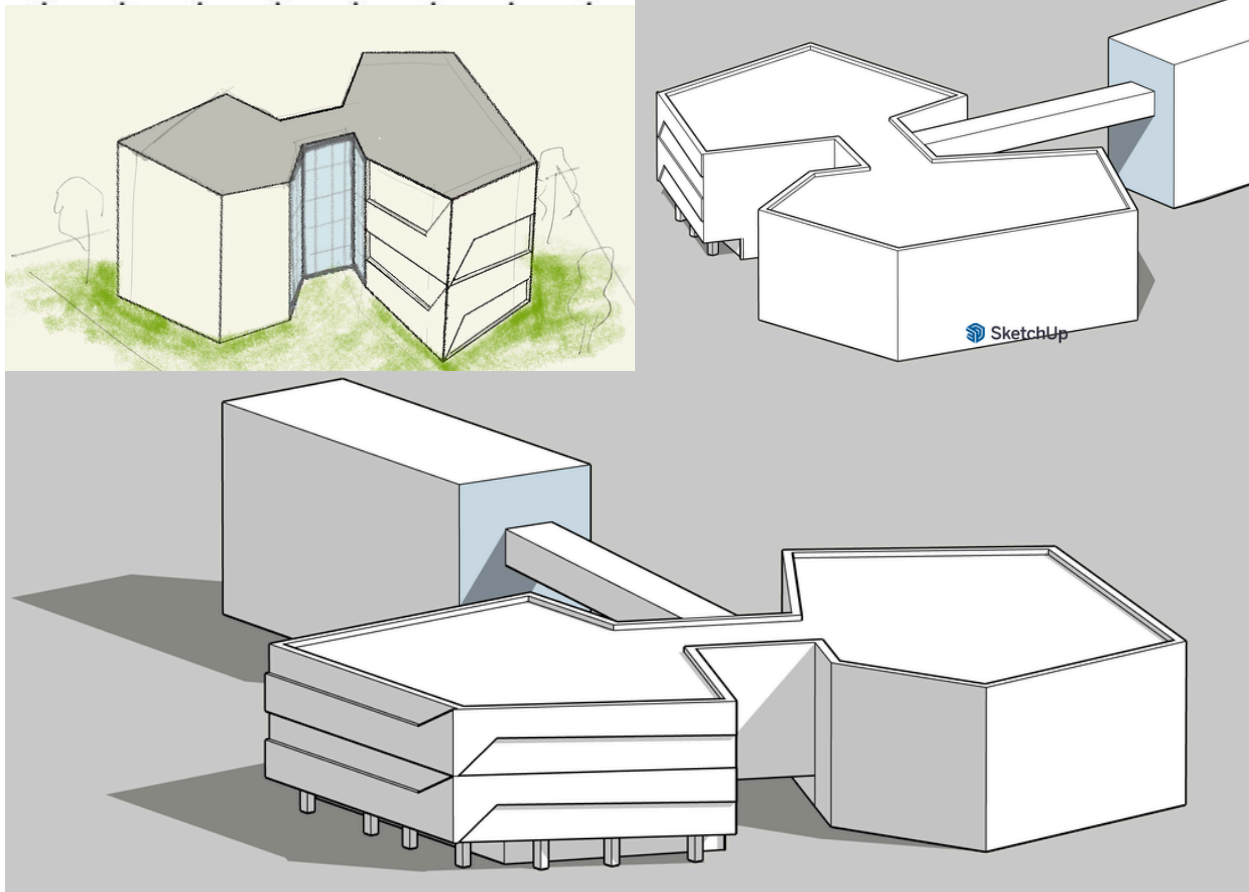
BUILDING SURVEY PICTURES



BUILDING SURVEY PICTURES



CONCEPT 1# - JILLIAN



PRECEDENTS



Harmony Commons, University of Toronto

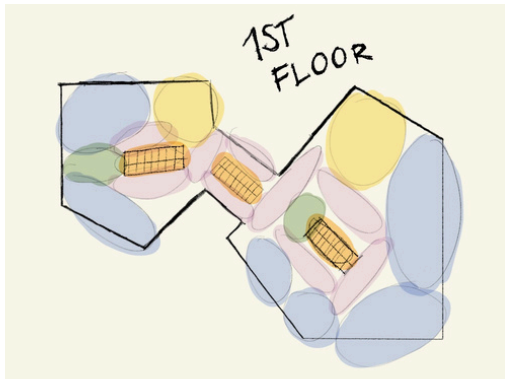


Macquarie University, Australia



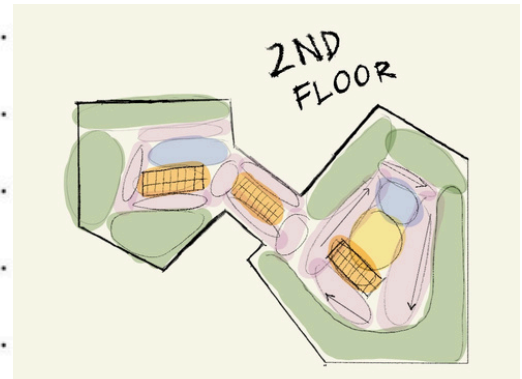
CONCEPT 1# - JILLIAN

01



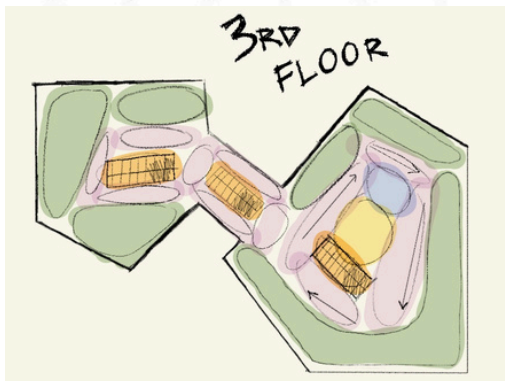
- Common and Public Spaces
- Security and Mailroom
- Cafeteria
- Study spaces
- Lounge areas

02



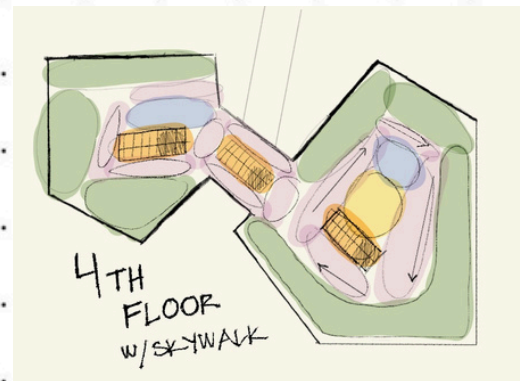
- Private and Common Spaces
- Courtyard and Balconies
- Lounge And Study Zones
- 20 Studios: 337 sq. ft each
- 4 Doubles: 607 sq. ft
- 2 Apartments: 958 sq. ft.

03



- Private and Common Spaces
- Lounge And Study Zones
- 10 Studios: 337 sq. ft each
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04



- Common Spaces
- Skywalk Entrance to "A"
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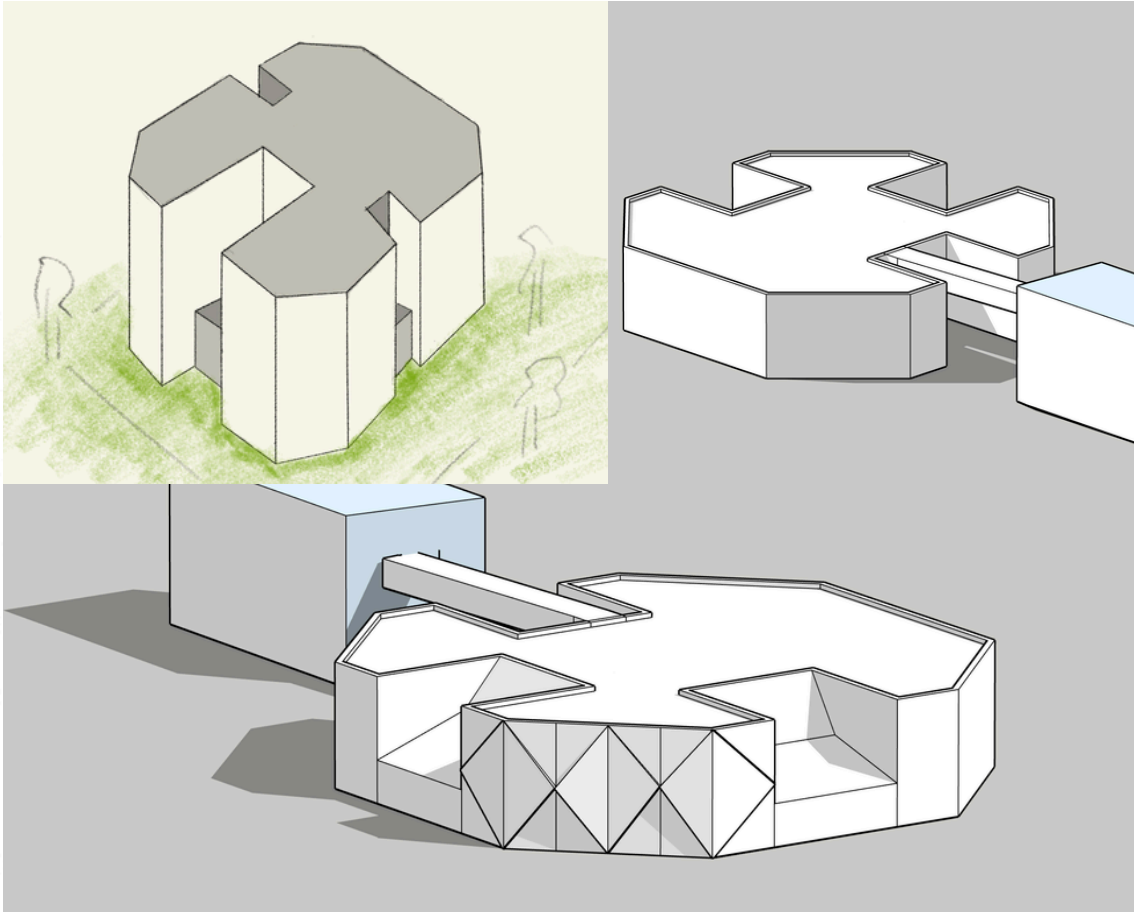
• Public Spaces

• Private Spaces

• Service Spaces

• Circulation

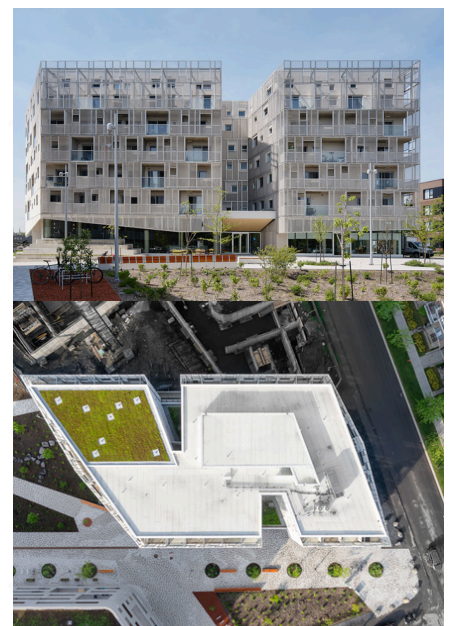
CONCEPT 2# - JILLIAN



PRECEDENTS



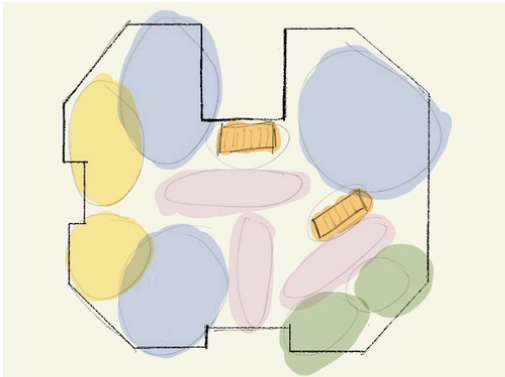
La Cartuja Community Residence for Students, Spain



ROSE DES VENTS, Montreal

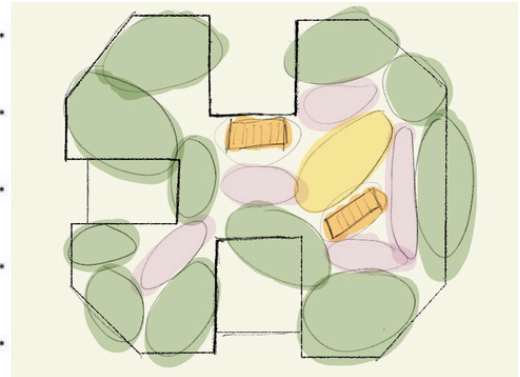
CONCEPT 2# - JILLIAN

01



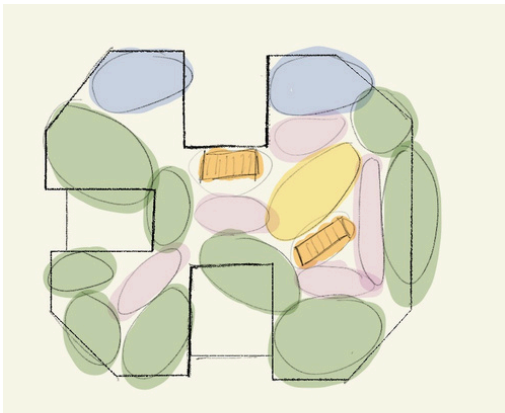
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02



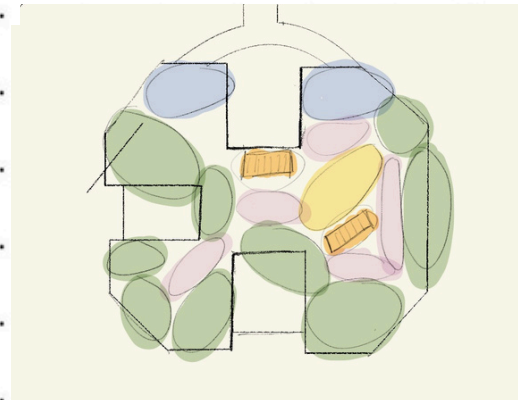
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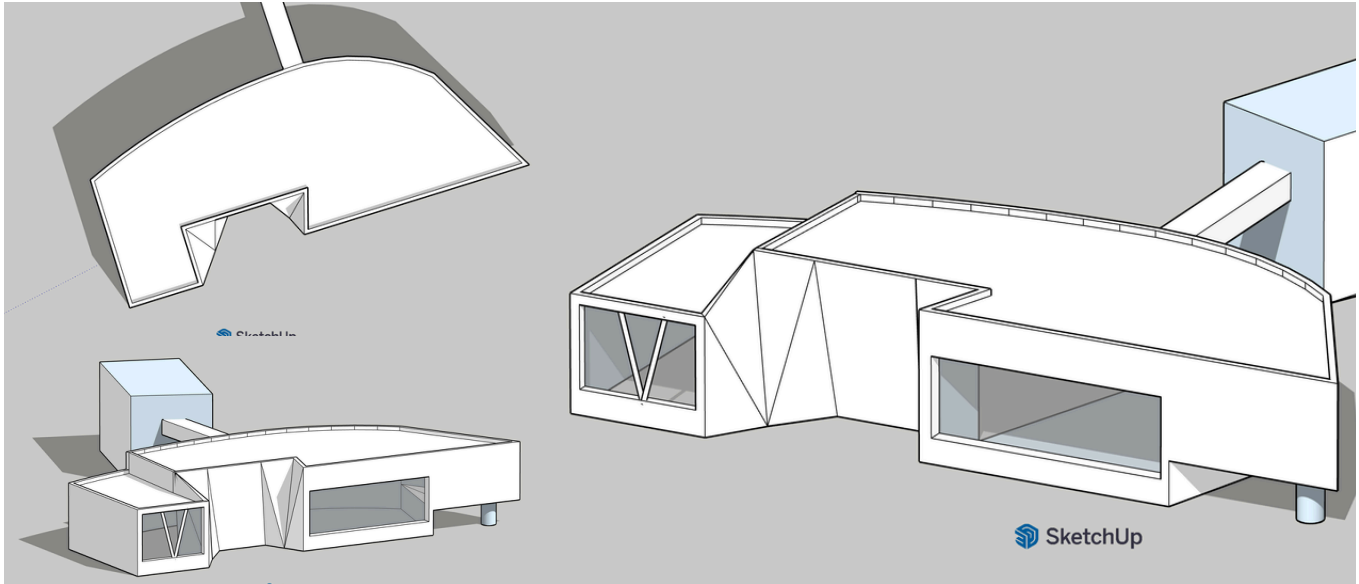
• Public Spaces

• Private Spaces

• Service Spaces

• Circulation

CONCEPT 3# - JILLIAN



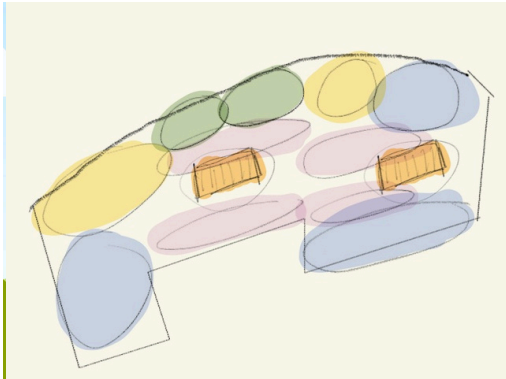
PRECEDENTS



UC San Diego Eleanor
Roosevelt College

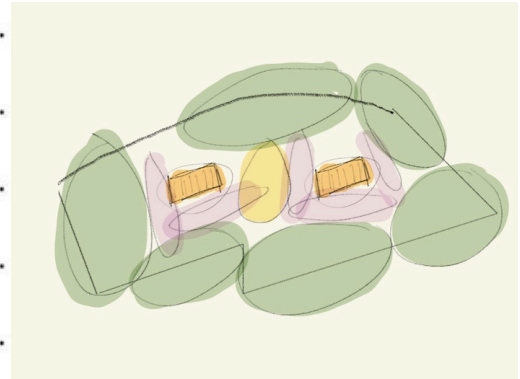
CONCEPT 2# - JILLIAN

01



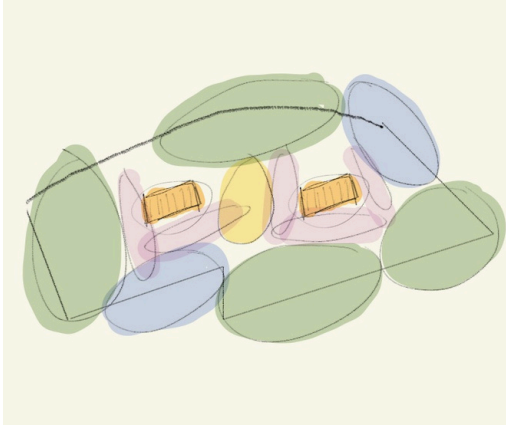
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- Cafeteria
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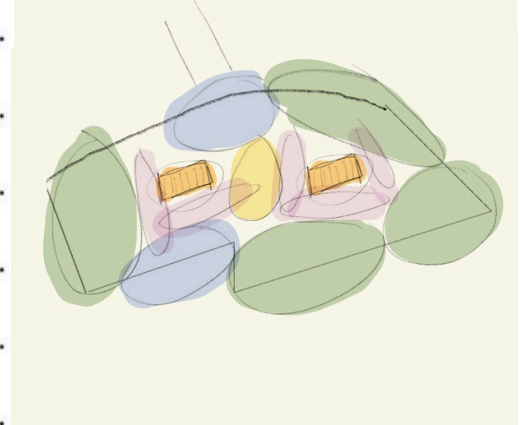
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03



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• Public Spaces

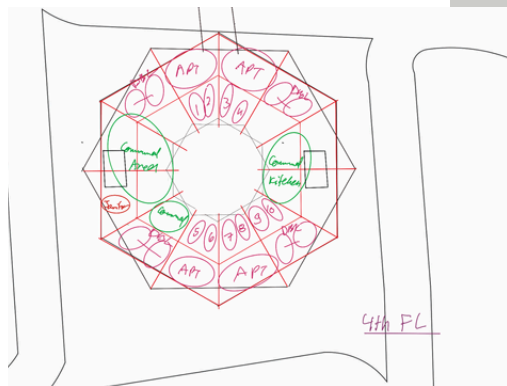
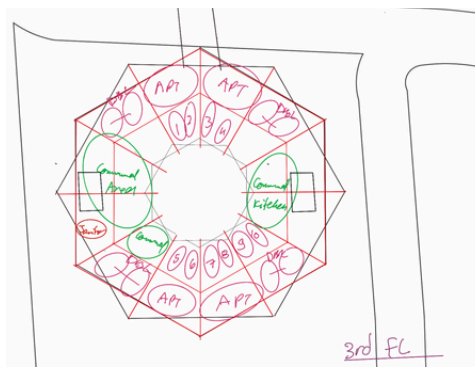
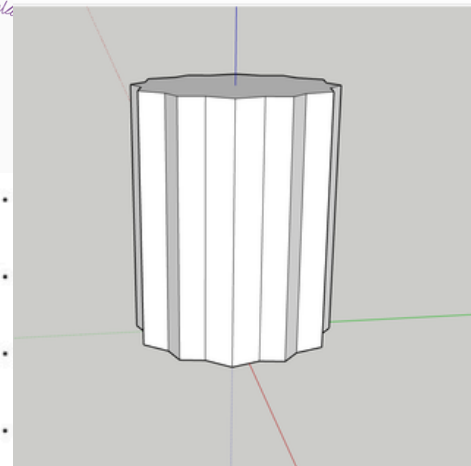
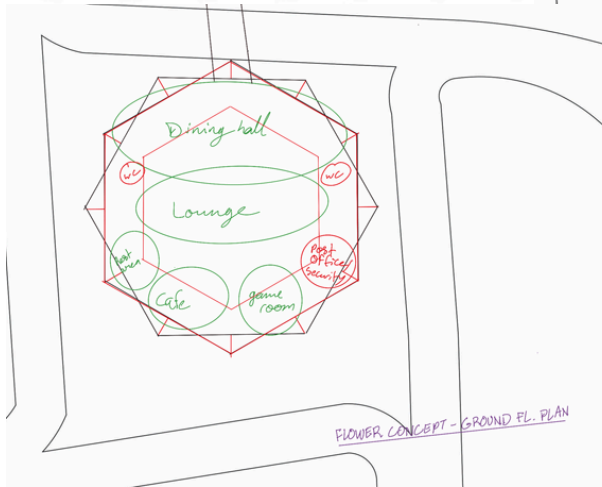
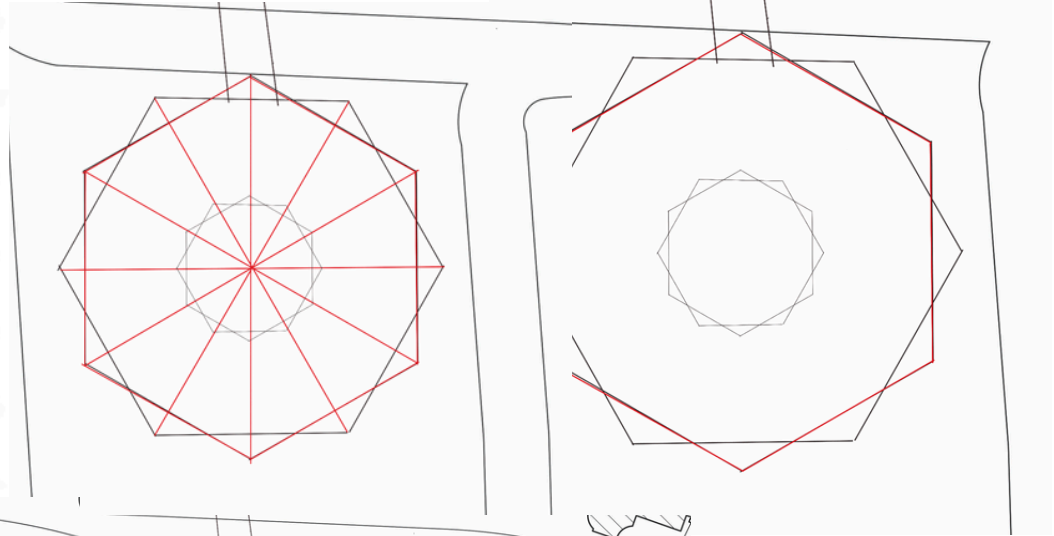
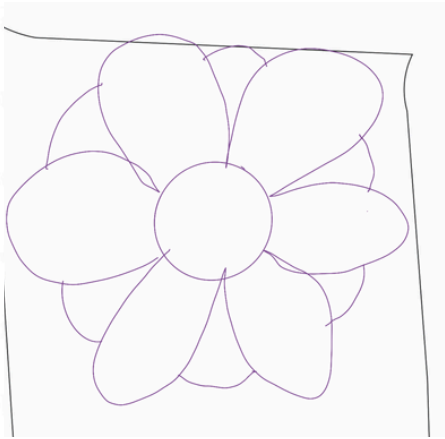
• Private Spaces

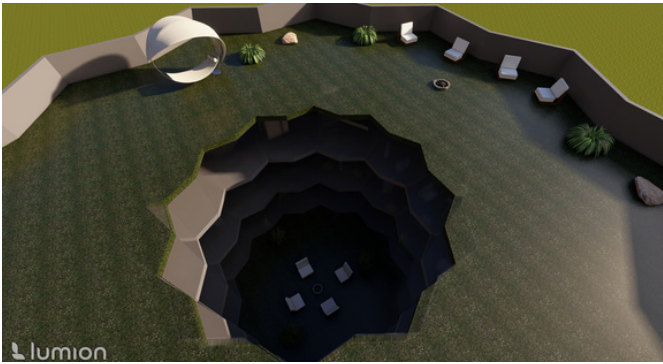
• Service Spaces

• Circulation

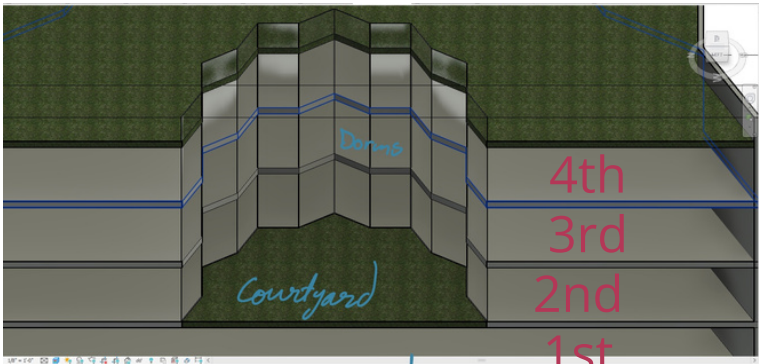
CONCEPT 1# - JOHANNA

FLOWER

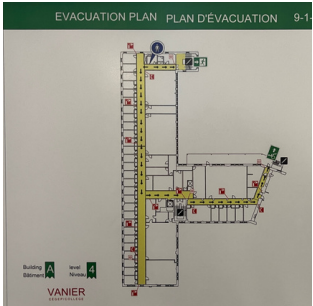
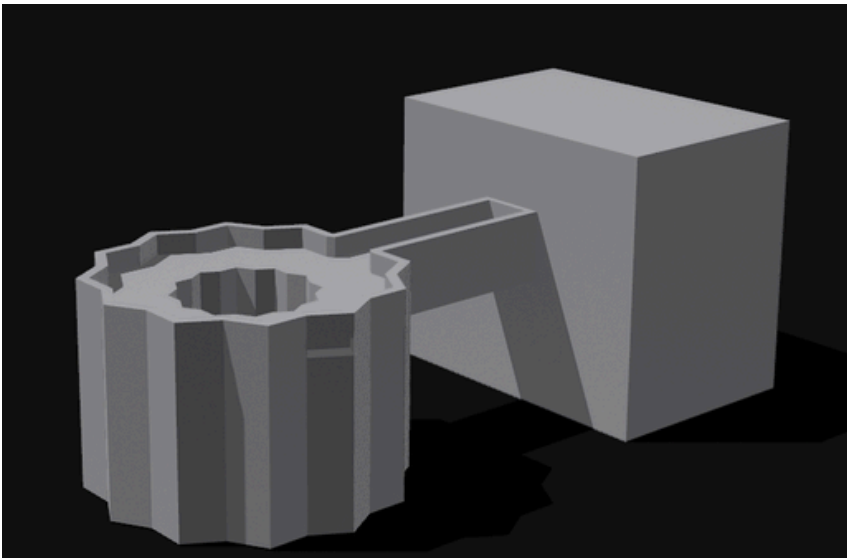




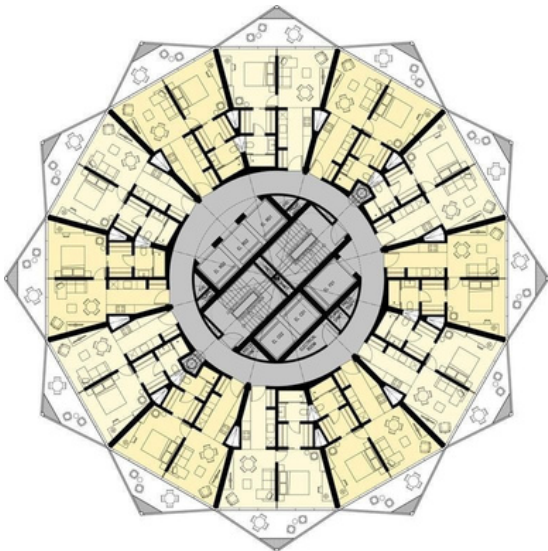
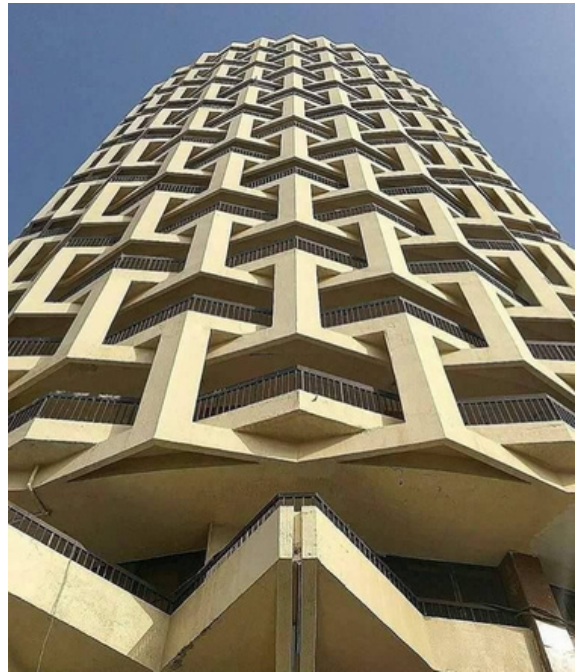
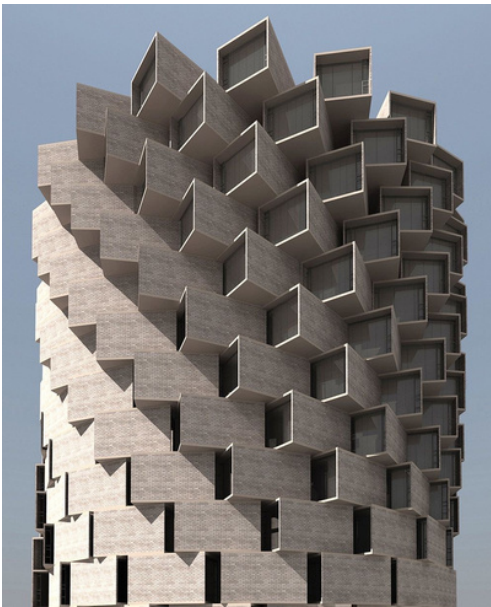
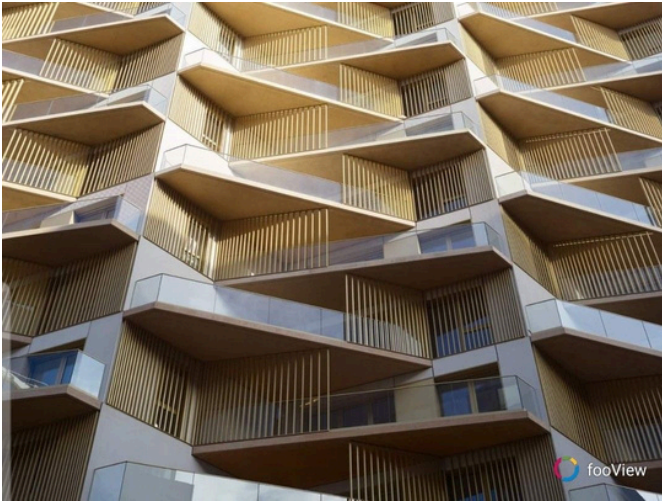
Rooftop Garden



Courtyard Garden

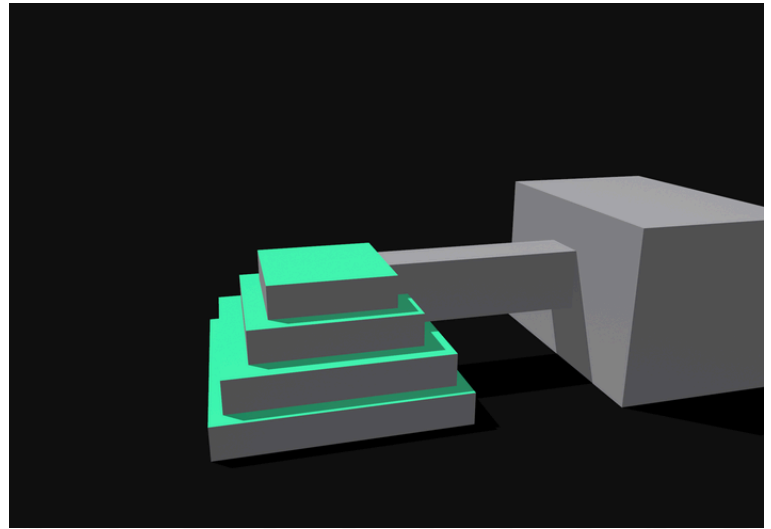
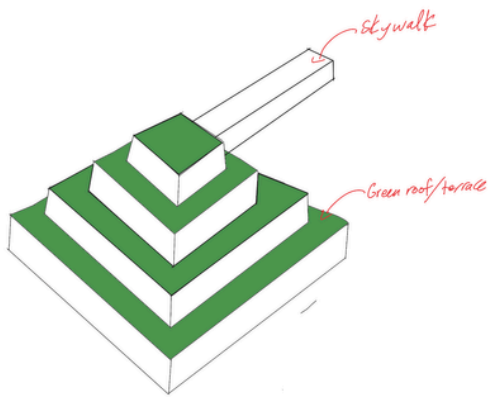
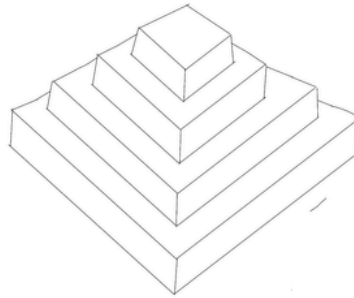
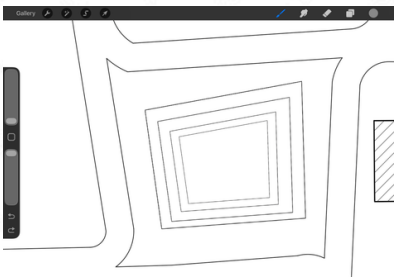


Precedents



CONCEPT 2# - JOHANNA

STEPPED PYRAMID



PRECEDENTS



Chichen Itza

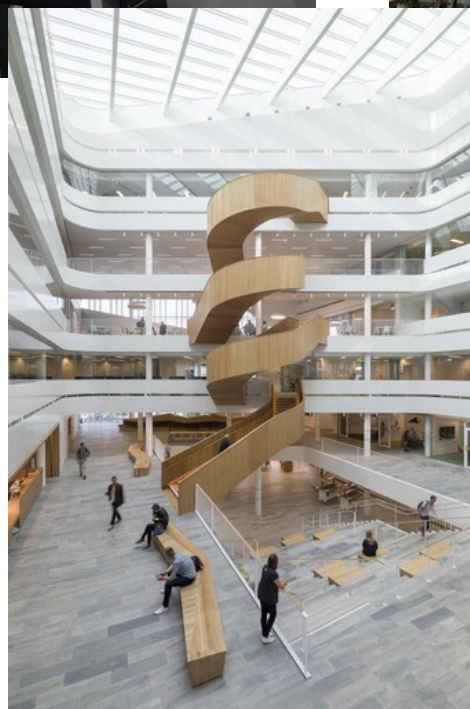


Shandora (One Piece)

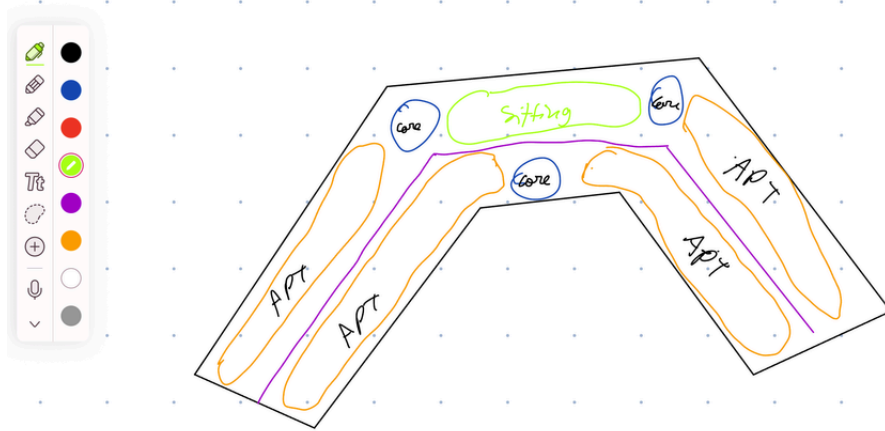


Cascading Shenzhen office building

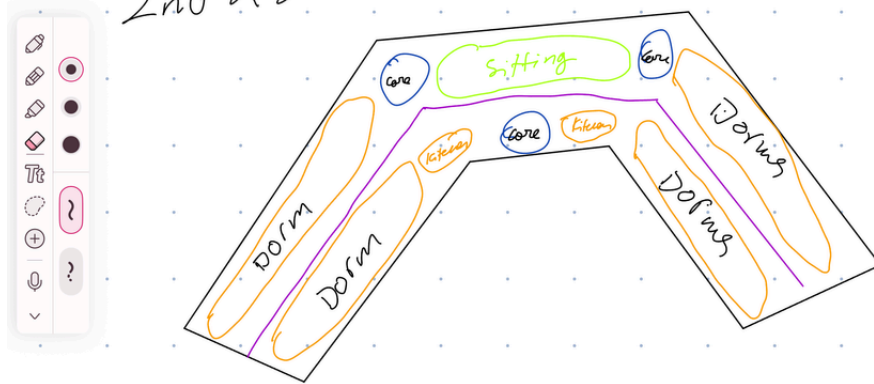




4th FL



2nd & 3rd

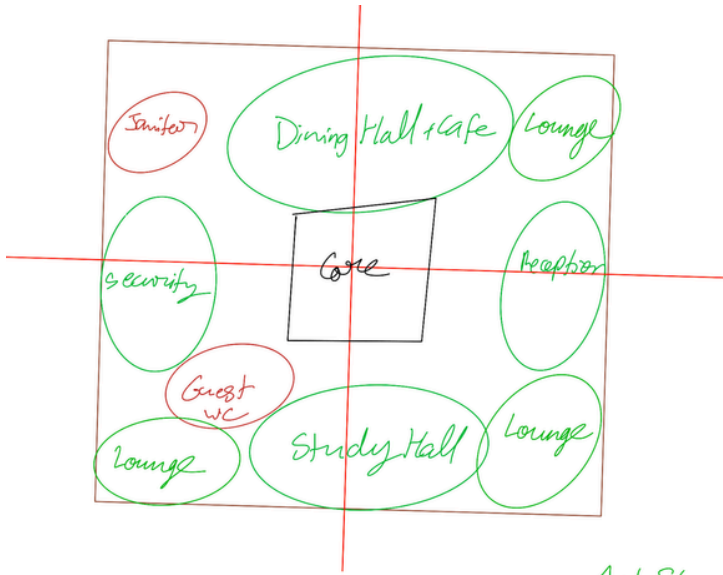


1st FL

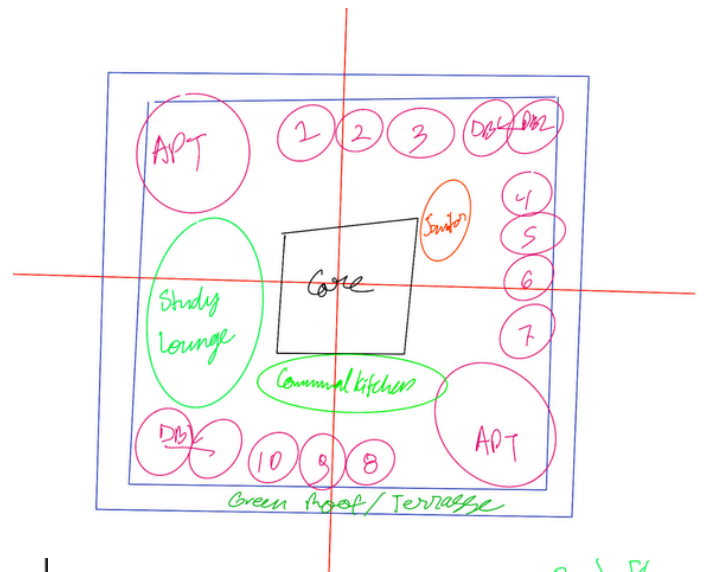


ARCHITECTURAL PROGRAM FLOOR 1

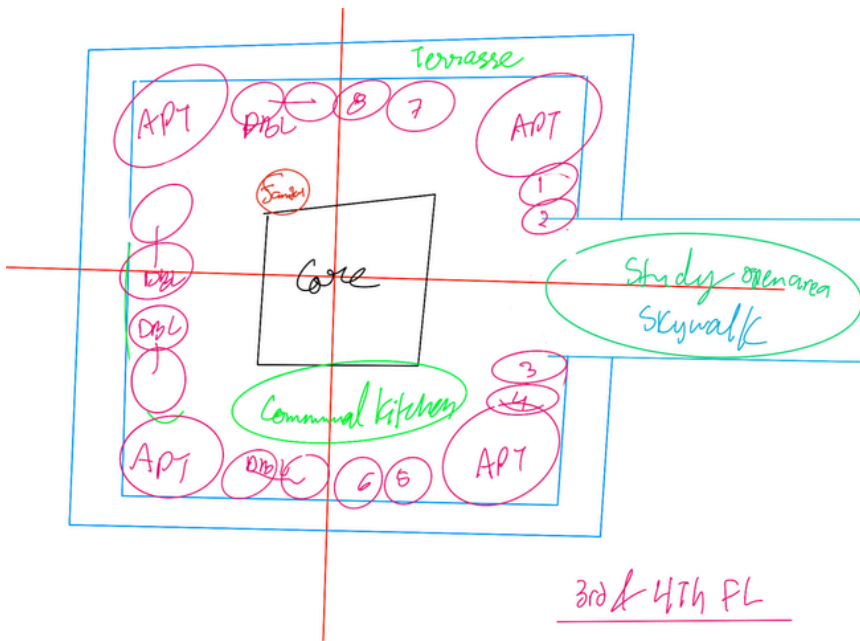
Space/ room	Users	Use	Area (SF)
Lobby + hallway	Everyone	Sit	2228
Reception	Everyone	Reception	90
Study hall	Students	Studying	1087
Dining Hall	Students	Eating	1491
Cafe	Students	Eating	626
Security	Security agents	Security	139
Guest W/C	Everyone	Private	317
Janitor's closet	Janitor	Maintenance	89
Mechanical room	Technicians	Maintenance	16
Gym			675
Game Room			298
Total			8100



1st FL



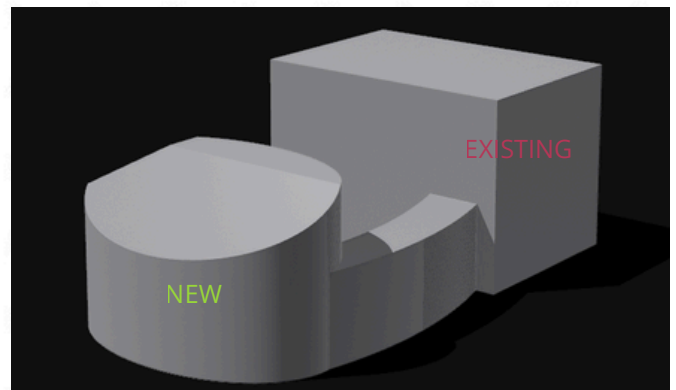
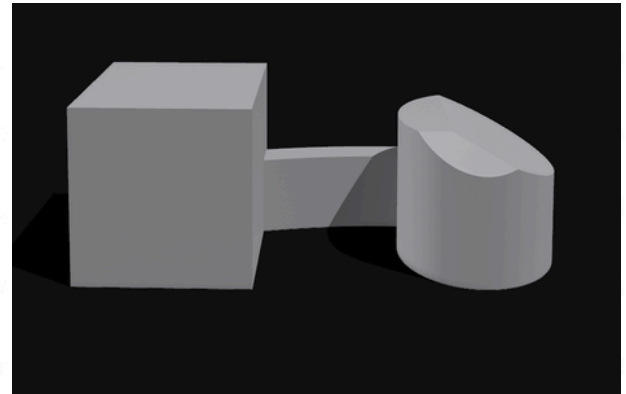
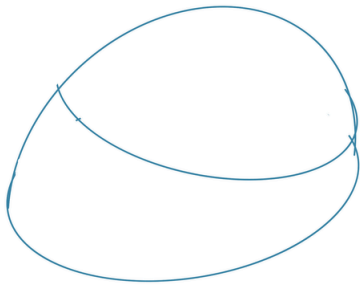
2nd FL



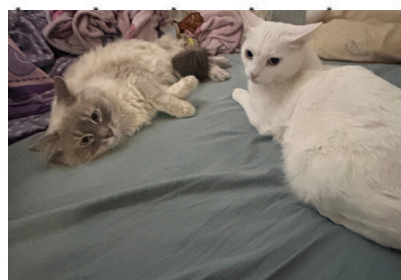
3rd & 4th FL

CONCEPT 3# - JOHANNA

CAT LOAF

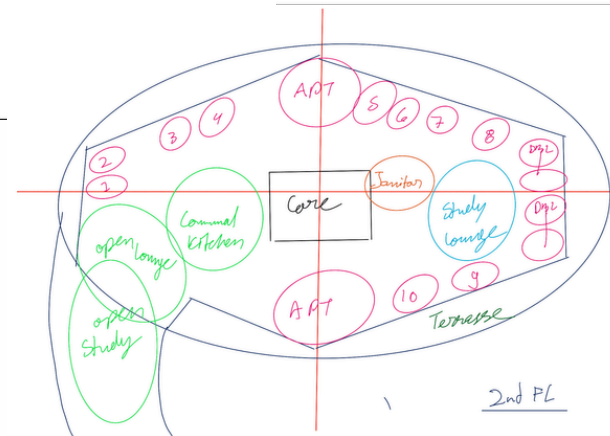
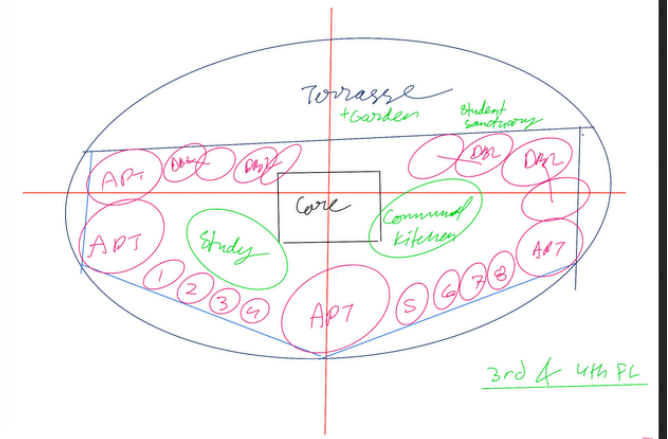
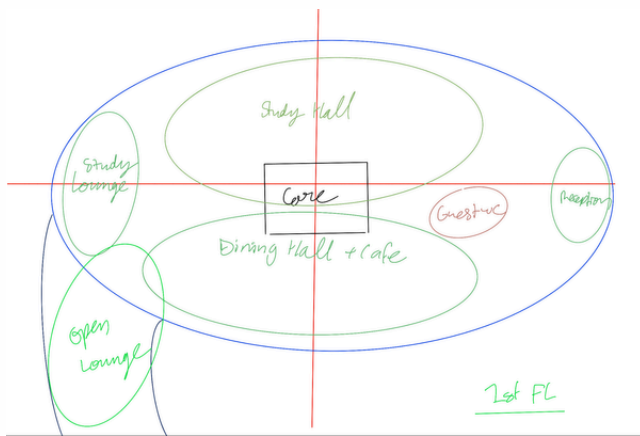


MAURITIUS COMMERCIAL BANK



MY CATS

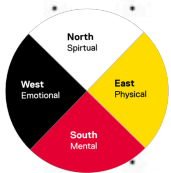
Bubble Diagram



THEME - SHAKINA



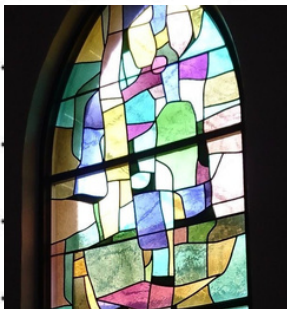
VANIER COLLEGE SYMBOLS



- Oak Tree
- Two Golden Swords
- Books
- Fleur-de-lis
- Trefoil/Clover
- Citadelle of Quebec
- Medicine Wheel

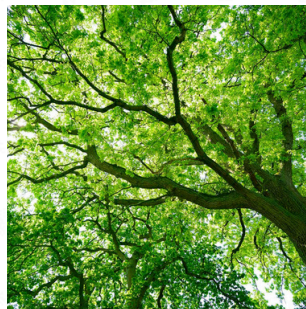
- General Georges P. Vanier
- Cheetahs
- Kanien'kehá:ka (Mohawk)
- Anishinaabe People
- A'nó:wara/Turtle
- Stained Glass

CONCEPT THEMES



CONCEPT 1

- Stained Glass
- Curtain Wall Facade
- MidCentury/Modern
- Right Angles
- Play with Colour



CONCEPT 2

- Oak Tree
- Branches/Leaves
- Asymmetrical Shape
- "Oak" Panel Cladding



CONCEPT 3

- Medicine Wheel
- Zones of Health/Seasons
- Circular/Spiral
- Mix Materials

CONCEPT 1# - SHAKINA

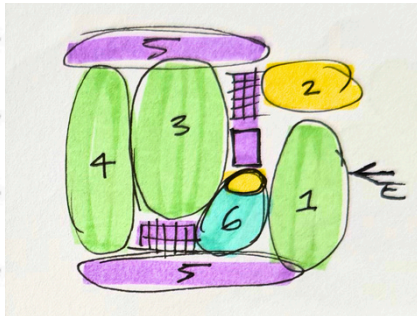
BUBBLE DIAGRAM

• Private

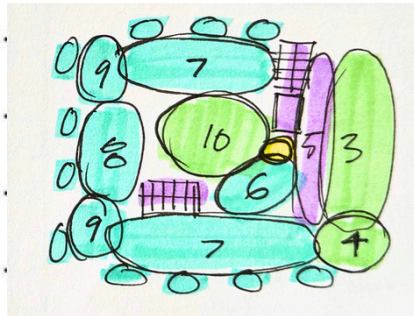
• Public

• Service

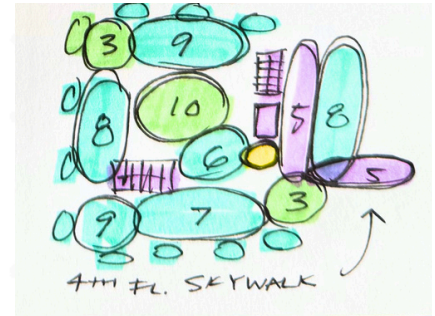
• Circulation



1st Fl.



2nd Fl.



3rd/4th Fl.

1) Lobby/Main Entrance

5) Hallway

9) Apartments

2) Security/Mail Room

6) Laundry/Bathroom

10) Balcony/Courtyard

3) Common Space

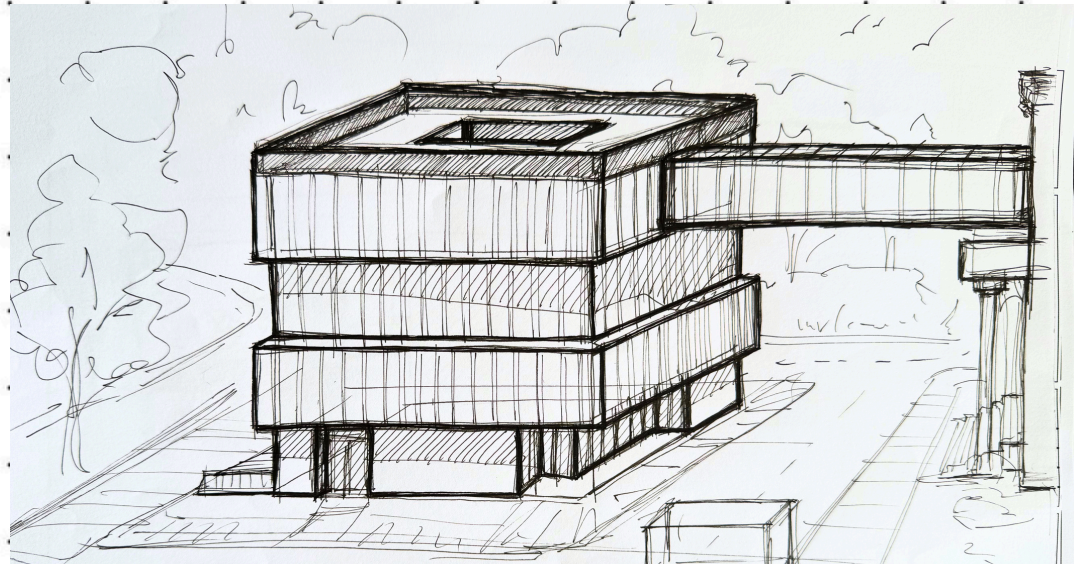
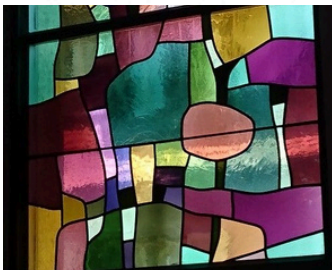
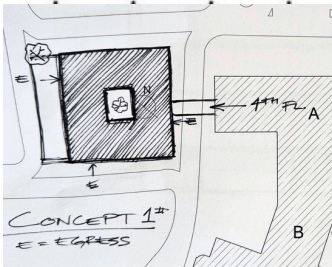
7) Studio

E) Entrance/Exit (Egress)

4) Kitchen/Cafe

8) Doubles

SCHEMATIC DESIGN



PRECEDENCE



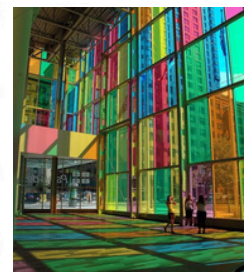
Piccolo House - South
Melbourne, Australia



MAC567 Office Complex
- Milan, Italy



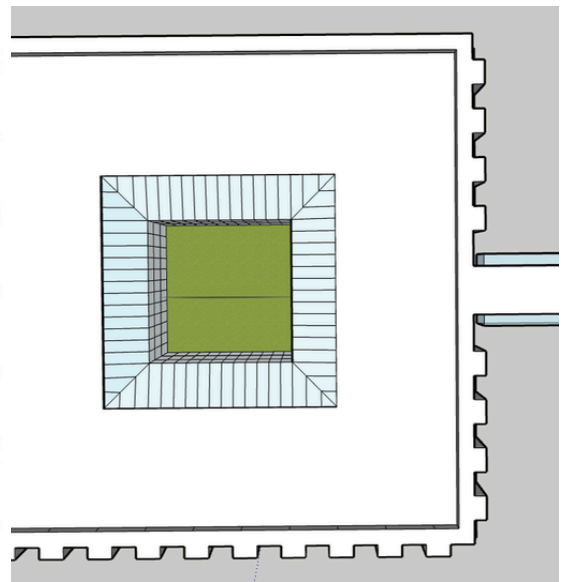
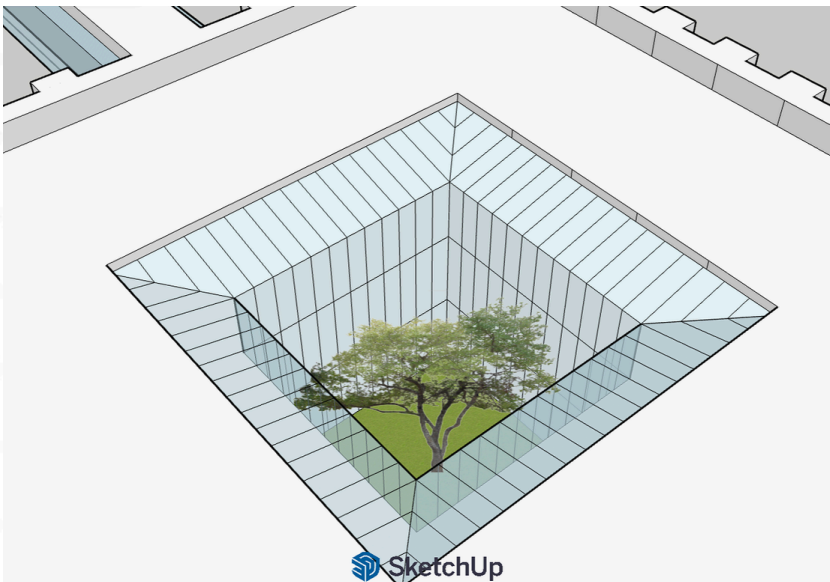
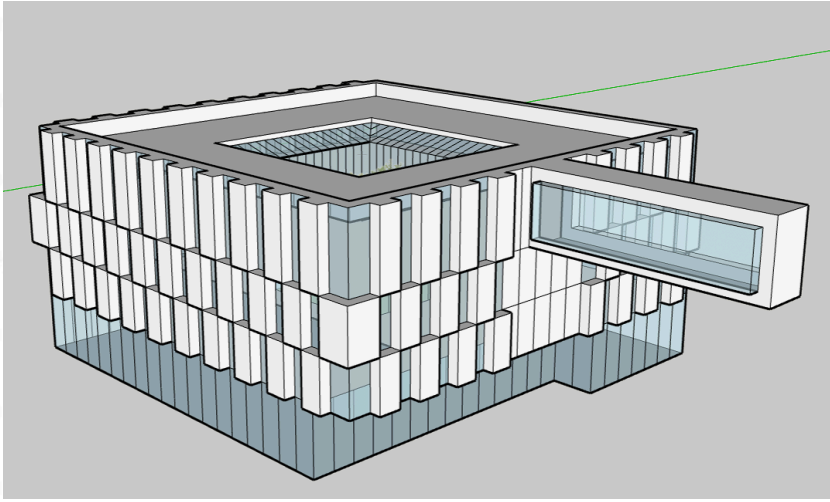
Ponderosa Commons
Complex - UBC



Palais De Congrès -
Montreal

CONCEPT 1# - SHAKINA

MASSING MODELS



CONCEPT 2# - SHAKINA

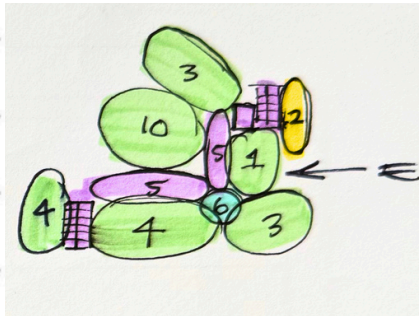
BUBBLE DIAGRAM

• Private

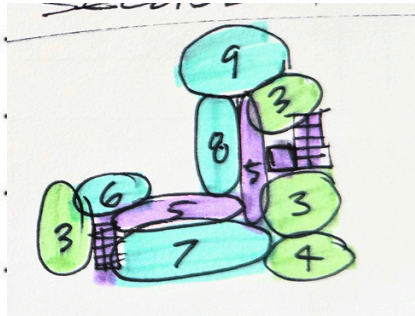
• Public

• Service

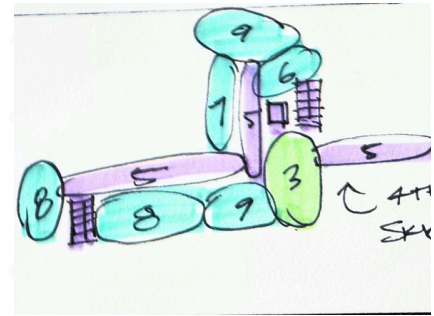
• Circulation



1st Fl.



2nd Fl.



3rd/4th Fl.

1) Lobby/Main Entrance

5) Hallway

9) Apartments

2) Security/Mail Room

6) Laundry/Bathroom

10) Balcony/Courtyard

3) Common Space

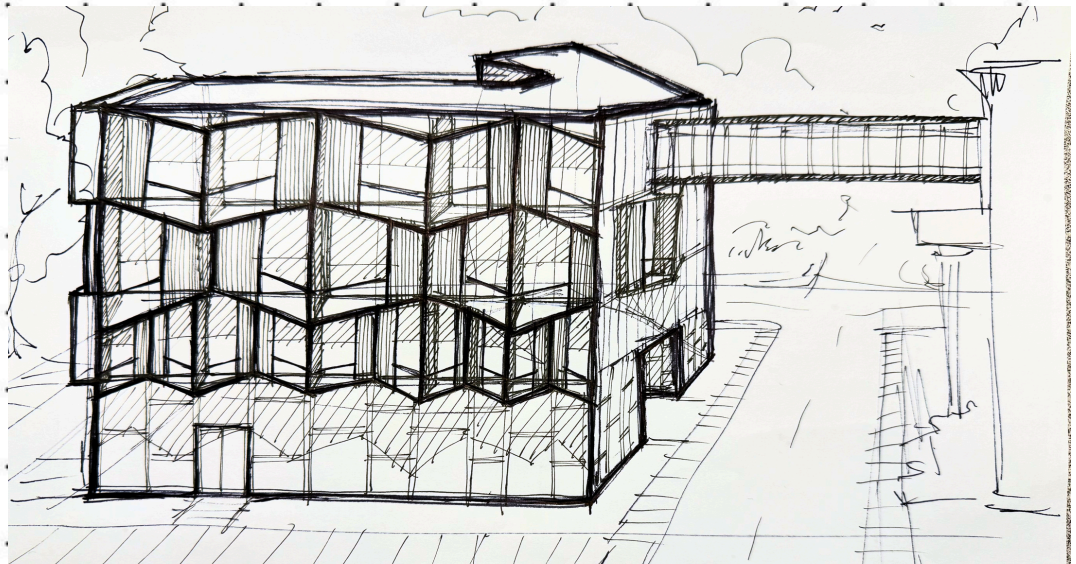
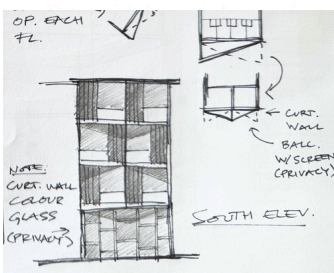
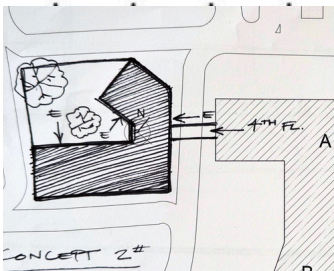
7) Studio

E) Entrance/Exit (Egress)

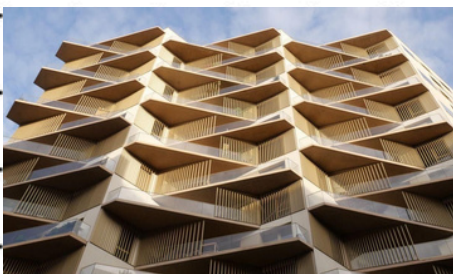
4) Kitchen/Cafe

8) Doubles

SCHEMATIC DESIGN



PRECEDENCE



XXL Origami - Paris
France



Monash University
Student Housing



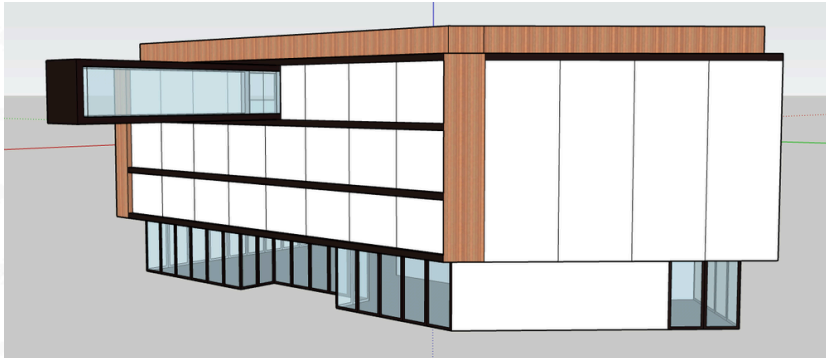
Ørsted Gardens Apartment -
Frederiksberg, Copenhagen



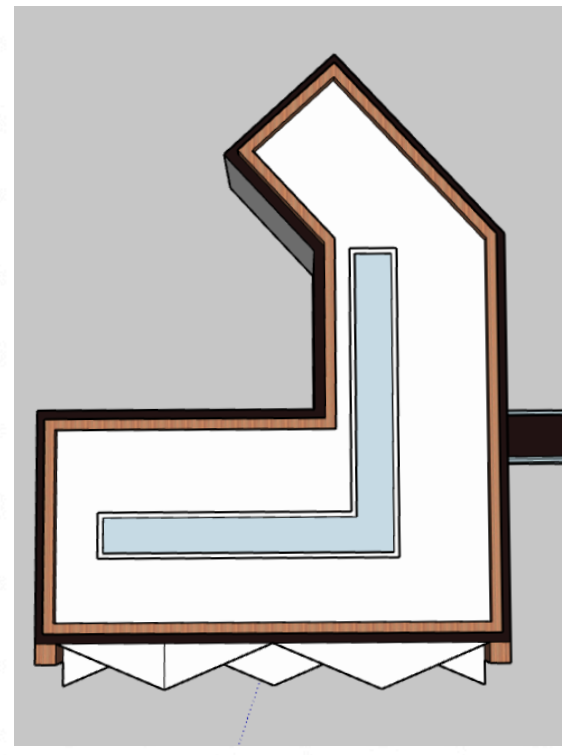
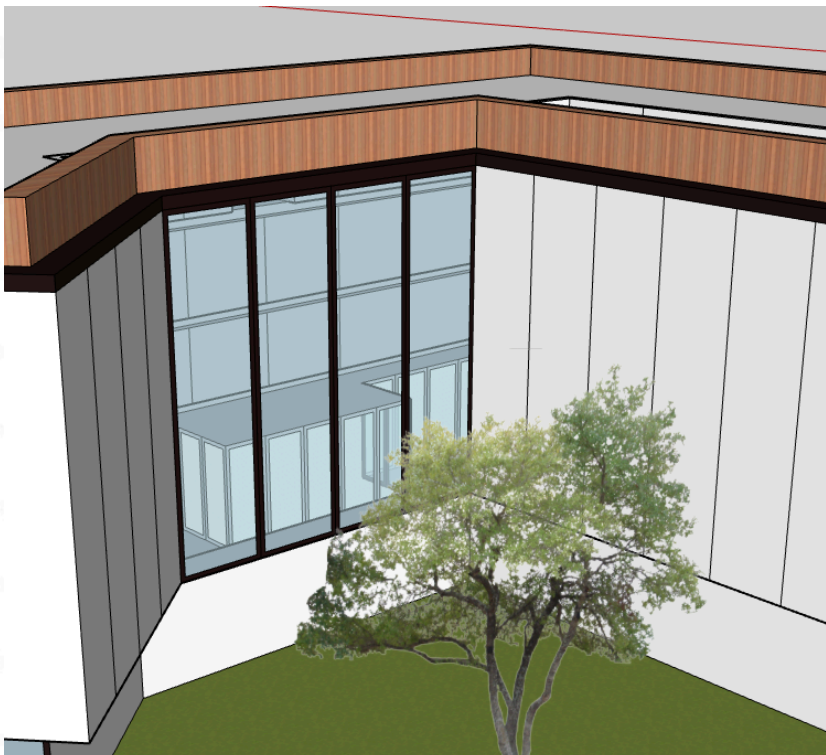
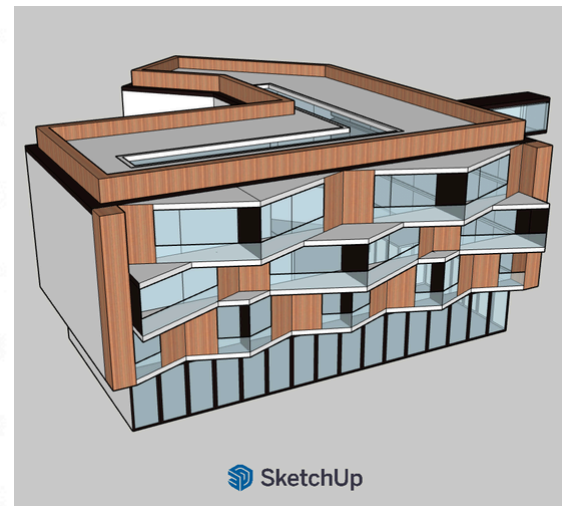
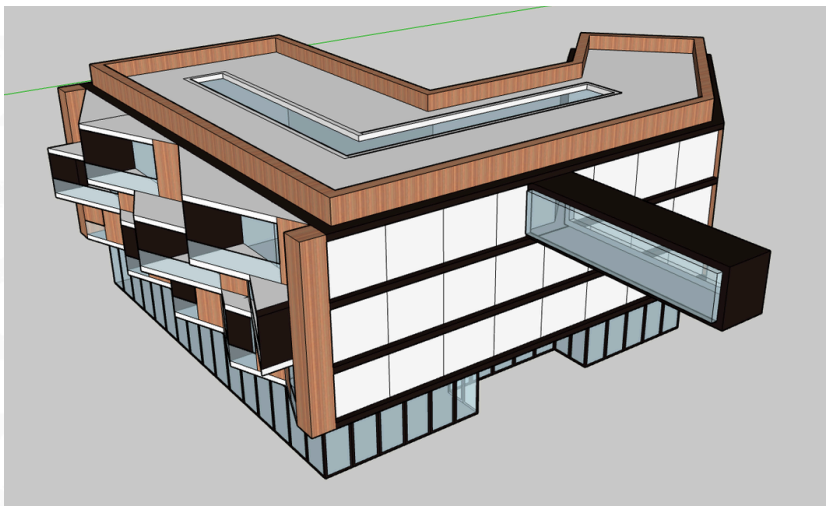
Presbyterian University -
Seoul, South Korea

CONCEPT 2# - SHAKINA

MASSING MODELS



- +/- 7,500 sq. ft. Footprint
- 120 Student Residents
- 40 Studios **$34/40 = 6$**
- 20 Double Suites
- 10 Apartments
- 10% of Units need to be Wheelchair Accessible (minimum 1 of each type) (Imperial Units)



CONCEPT 3# - SHAKINA

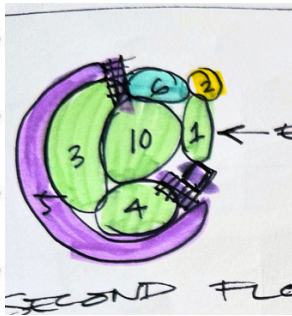
BUBBLE DIAGRAM

• Private

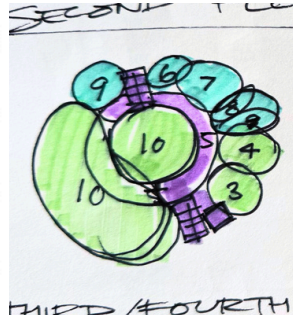
• Public

• Service

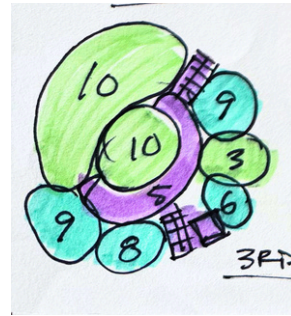
• Circulation



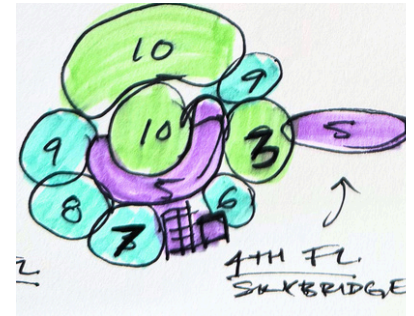
1st Fl.



2nd Fl.



3rd Fl.



4th Fl.

1) Lobby/Main Entrance

5) Hallway

9) Apartments

2) Security/Mail Room

6) Laundry/Bathroom

10) Balcony/Courtyard

3) Common Space

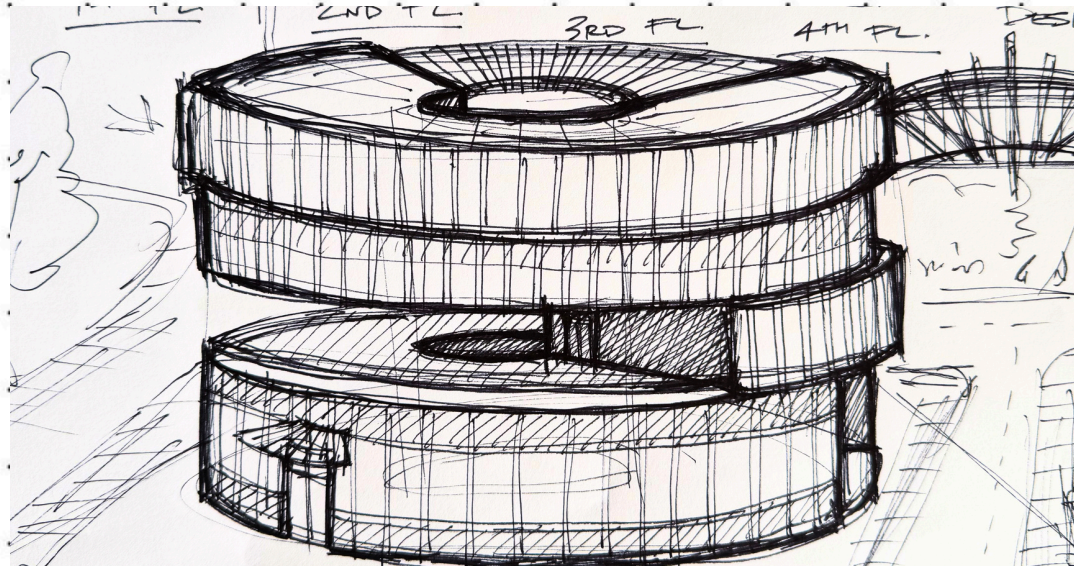
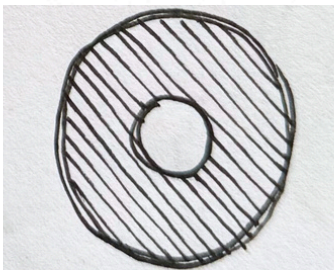
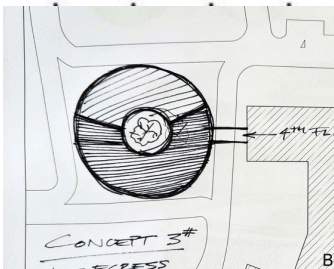
7) Studio

E) Entrance/Exit (Egress)

4) Kitchen/Cafe

8) Doubles

SCHEMATIC DESIGN



PRECEDENCE



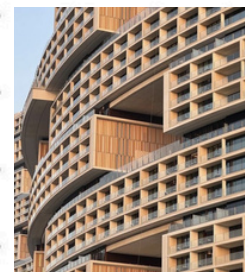
Tietgen Dormitory -
Copenhagen, Denmark



Concept of Office
Complex - London



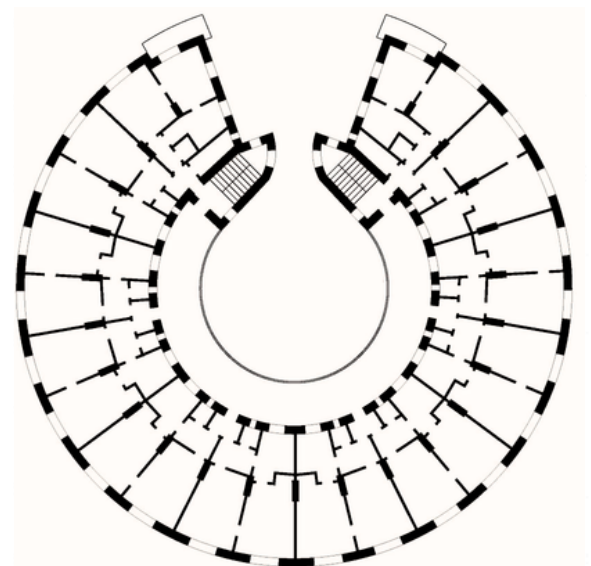
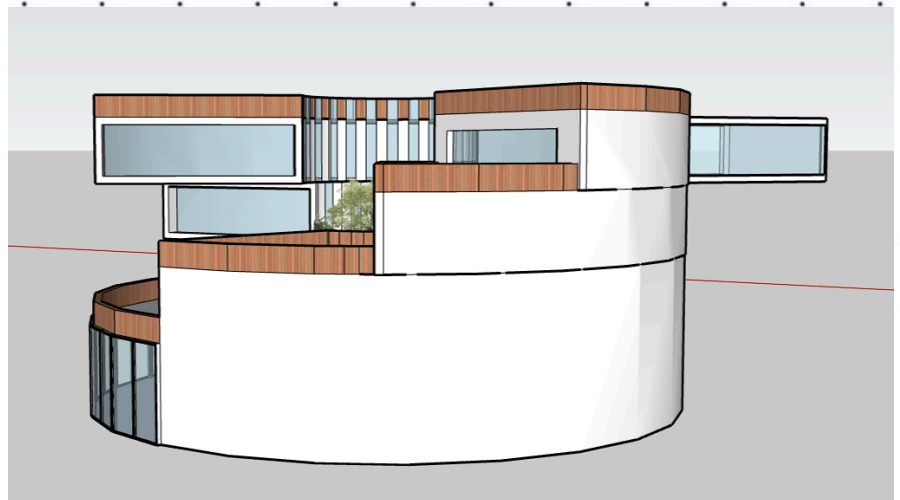
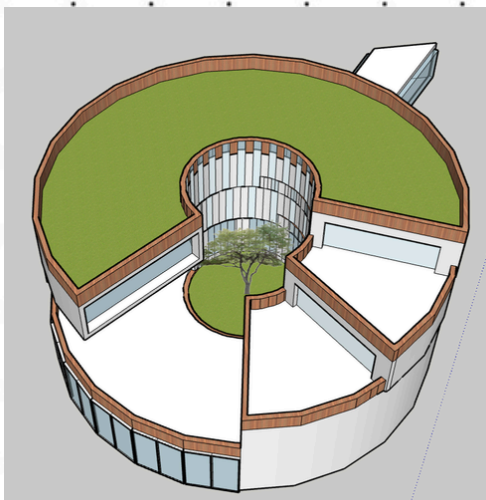
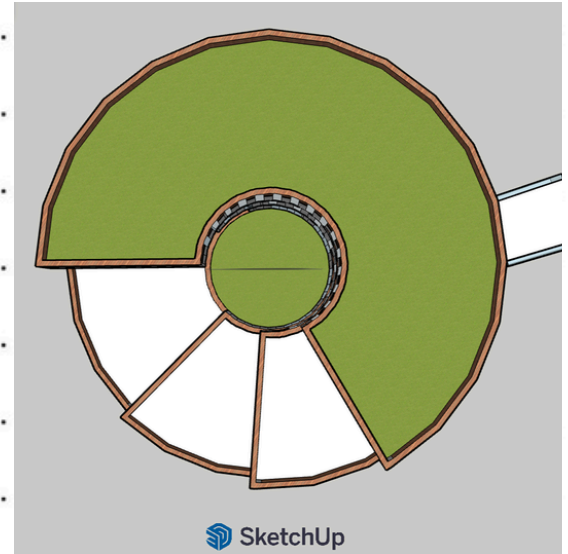
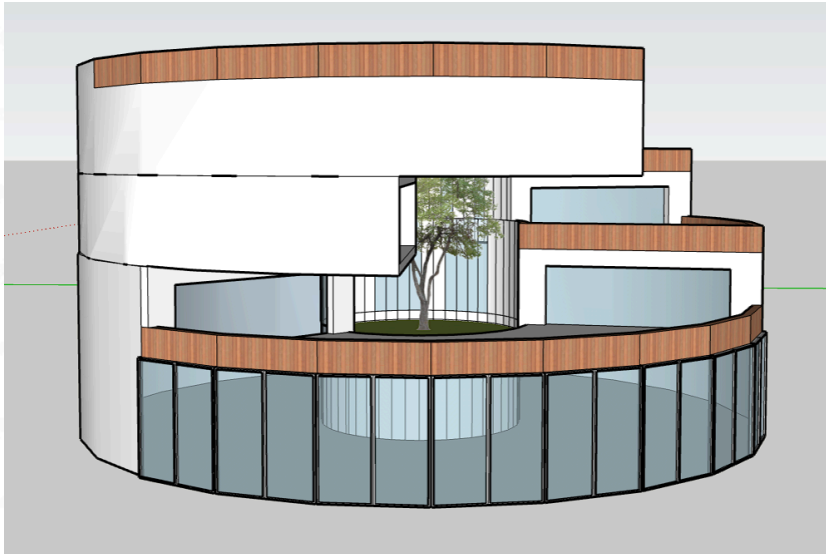
Internal Landscape Villa - Czech
Republic



Atlantis Hotel - Dubai

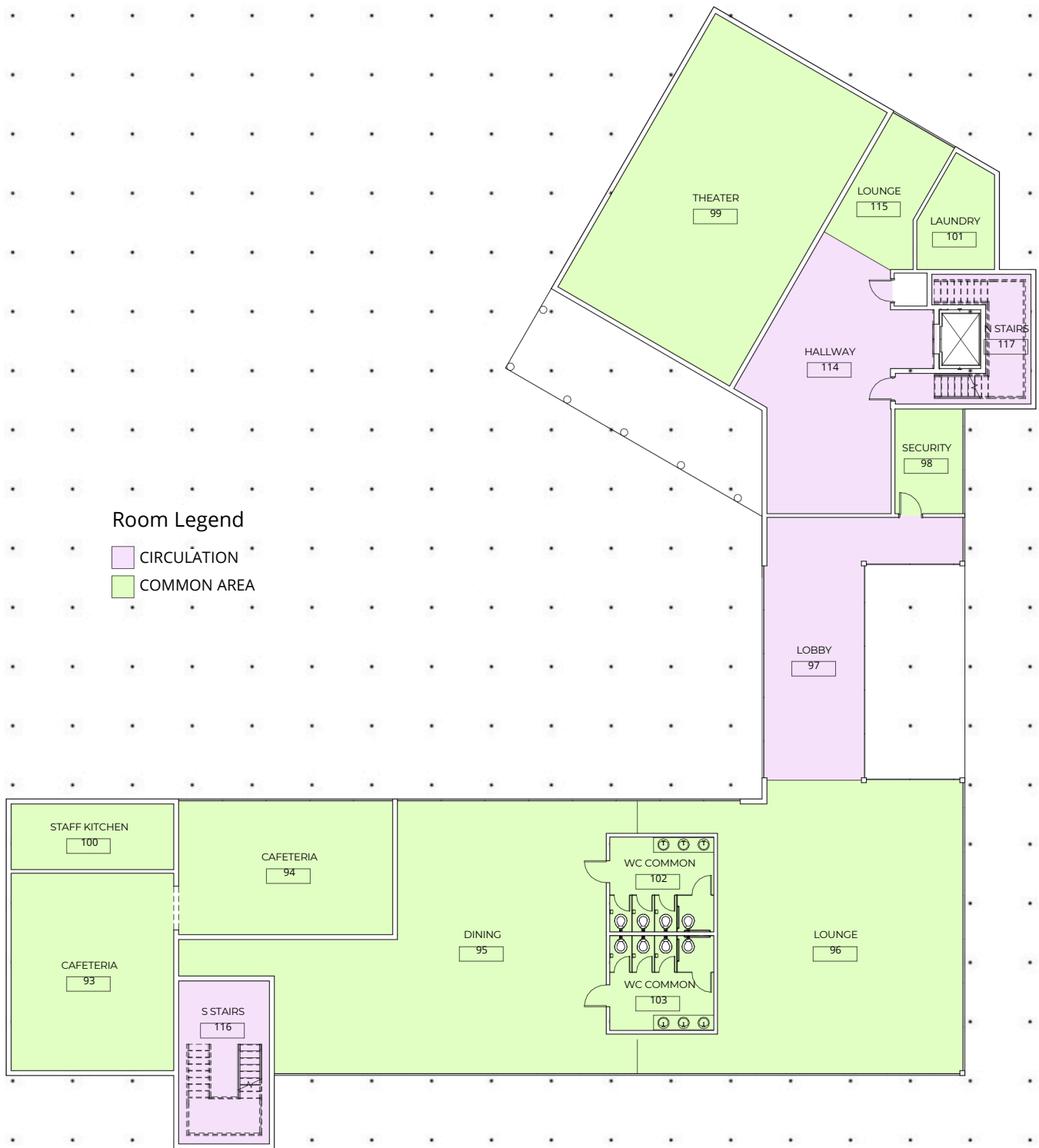
CONCEPT 3# - SHAKINA

MASSING MODELS



CONCEPT 2# - SHAKINA

FLOOR PLANS - FIRST FLOOR



CONCEPT 2# - SHAKINA

FLOOR PLANS - SECOND FLOOR



CONCEPT 2# - SHAKINA

FLOOR PLANS - THIRD FLOOR



CONCEPT 2# - SHAKINA

FLOOR PLANS - FOURTH FLOOR



CONCEPT 2# - SHAKINA

PROGRAM

ARCH. PROGRAM MASTER - FIRST FL.						
Level	Occupancy	Residence Type	RESIDENCY TYPE	Number	Name	Area

COMMON AREA

PRIVATE COMMON AREA SECURITY

Level 1	PRIVATE	COMMON AREA	COMMON AREA	98	SECURITY	128 SF
---------	---------	-------------	-------------	----	----------	--------

PUBLIC COMMON AREA CAFETERIA

Level 1	PUBLIC	COMMON AREA	COMMON AREA	93	CAFETERIA	603 SF
---------	--------	-------------	-------------	----	-----------	--------

Level 1	PUBLIC	COMMON AREA	COMMON AREA	94	CAFETERIA	526 SF
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DINING

Level 1	PUBLIC	COMMON AREA	COMMON AREA	95	DINING	1454 SF
---------	--------	-------------	-------------	----	--------	---------

HALLWAY

Level 1	PUBLIC	COMMON AREA	CIRCULATION	114	HALLWAY	650 SF
---------	--------	-------------	-------------	-----	---------	--------

LAUNDRY

Level 1	PUBLIC	COMMON AREA	COMMON AREA	101	LAUNDRY	138 SF
---------	--------	-------------	-------------	-----	---------	--------

LOBBY

Level 1	PUBLIC	COMMON AREA	CIRCULATION	97	LOBBY	547 SF
---------	--------	-------------	-------------	----	-------	--------

LOUNGE

Level 1	PUBLIC	COMMON AREA	COMMON AREA	96	LOUNGE	1397 SF
---------	--------	-------------	-------------	----	--------	---------

Level 1	PUBLIC	COMMON AREA	COMMON AREA	115	LOUNGE	193 SF
---------	--------	-------------	-------------	-----	--------	--------

N STAIRS

Level 1	PUBLIC	COMMON AREA	CIRCULATION	117	N STAIRS	193 SF
---------	--------	-------------	-------------	-----	----------	--------

S STAIRS

Level 1	PUBLIC	COMMON AREA	CIRCULATION	116	S STAIRS	278 SF
---------	--------	-------------	-------------	-----	----------	--------

STAFF KITCHEN

Level 1	PUBLIC	COMMON AREA	COMMON AREA	100	STAFF KITCHEN	201 SF
---------	--------	-------------	-------------	-----	---------------	--------

THEATER

Level 1	PUBLIC	COMMON AREA	COMMON AREA	99	THEATER	1176 SF
---------	--------	-------------	-------------	----	---------	---------

WC COMMON

Level 1	PUBLIC	COMMON AREA	COMMON AREA	102	WC COMMON	185 SF
---------	--------	-------------	-------------	-----	-----------	--------

Level 1	PUBLIC	COMMON AREA	COMMON AREA	103	WC COMMON	185 SF
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Grand total: 15

7856 SF

ARCH. PROGRAM MASTER - SECOND FL.						
Level	Occupancy	Residence Type	RESIDENCY TYPE	Number	Name	Area

APARTMENTS

PRIVATE

APARTMENTS

DOUBLE APT.

Level 2	PRIVATE	APARTMENTS	APARTMENTS	11	DOUBLE APT.	252 SF
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Level 2	PRIVATE	APARTMENTS	APARTMENTS	12	DOUBLE APT.	254 SF
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Level 2	PRIVATE	APARTMENTS	APARTMENTS	13	DOUBLE APT.	254 SF
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Level 2	PRIVATE	APARTMENTS	APARTMENTS	14	DOUBLE APT.	252 SF
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COMMON AREA

PUBLIC COMMON AREA

COMMUNAL KITCHEN

Level 2	PUBLIC	COMMON AREA	COMMON AREA	104	COMMUNAL KITCHEN	345 SF
---------	--------	-------------	-------------	-----	------------------	--------

DINING

Level 2	PUBLIC	COMMON AREA	COMMON AREA	105	DINING	406 SF
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HALLWAY

Level 2	PUBLIC	COMMON AREA	CIRCULATION	109	HALLWAY	1848 SF
---------	--------	-------------	-------------	-----	---------	---------

LOUNGE

Level 2	PUBLIC	COMMON AREA	COMMON AREA	90	LOUNGE	443 SF
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ARCH. PROGRAM MASTER - SECOND FL.						
Level	Occupancy	Residence Type	RESIDENCY TYPE	Number	Name	Area

Level 2	PUBLIC	COMMON AREA	COMMON AREA	92	LOUNGE	297 SF
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N STAIRS

Level 2	PUBLIC	COMMON AREA	CIRCULATION	119	N STAIRS	193 SF
---------	--------	-------------	-------------	-----	----------	--------

S STAIRS

Level 2	PUBLIC	COMMON AREA	CIRCULATION	118	S STAIRS	278 SF
---------	--------	-------------	-------------	-----	----------	--------

DOUBLE UNITS

PRIVATE DOUBLE UNITS

DOUBLE

Level 2	PRIVATE	DOUBLE UNITS	DOUBLE UNITS	15	DOUBLE	252 SF
---------	---------	--------------	--------------	----	--------	--------

Level 2	PRIVATE	DOUBLE UNITS	DOUBLE UNITS	16	DOUBLE	253 SF
---------	---------	--------------	--------------	----	--------	--------

Level 2	PRIVATE	DOUBLE UNITS	DOUBLE UNITS	17	DOUBLE	253 SF
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Level 2	PRIVATE	DOUBLE UNITS	DOUBLE UNITS	18	DOUBLE	253 SF
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Level 2	PRIVATE	DOUBLE UNITS	DOUBLE UNITS	19	DOUBLE	253 SF
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SINGLE UNITS

PRIVATE SINGLE UNITS

STUDIO

Level 2	PRIVATE	SINGLE UNITS	SINGLE UNITS	3	STUDIO	132 SF
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Level 2	PRIVATE	SINGLE UNITS	SINGLE UNITS	4	STUDIO	132 SF
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Level 2	PRIVATE	SINGLE UNITS	SINGLE UNITS	5	STUDIO	132 SF
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Level 2	PRIVATE	SINGLE UNITS	SINGLE UNITS	6	STUDIO	132 SF
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Level 2	PRIVATE	SINGLE UNITS	SINGLE UNITS	7	STUDIO	132 SF
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Level 2	PRIVATE	SINGLE UNITS	SINGLE UNITS	8	STUDIO	132 SF
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Level 2	PRIVATE	SINGLE UNITS	SINGLE UNITS	9	STUDIO	132 SF
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Level 2	PRIVATE	SINGLE UNITS	SINGLE UNITS	10	STUDIO	132 SF
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Level 2	PRIVATE	SINGLE UNITS	SINGLE UNITS	20	STUDIO	132 SF
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Level 2	PRIVATE	SINGLE UNITS	SINGLE UNITS	21	STUDIO	132 SF
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Level 2	PRIVATE	SINGLE UNITS	SINGLE UNITS	22	STUDIO	132 SF
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Level 2	PRIVATE	SINGLE UNITS	SINGLE UNITS	23	STUDIO	132 SF
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Level 2	PRIVATE	SINGLE UNITS	SINGLE UNITS	24	STUDIO	132 SF
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Level 2	PRIVATE	SINGLE UNITS	SINGLE UNITS	25	STUDIO	132 SF
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Level 2	PRIVATE	SINGLE UNITS	SINGLE UNITS	26	STUDIO	132 SF
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Level 2	PRIVATE	SINGLE UNITS	SINGLE UNITS	27	STUDIO	132 SF
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Level 2	PRIVATE	SINGLE UNITS	SINGLE UNITS	28	STUDIO	132 SF
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Level 2	PRIVATE	SINGLE UNITS	SINGLE UNITS	29	STUDIO	127 SF
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STUDIO A.

Level 2	PRIVATE	SINGLE UNITS	SINGLE UNITS	1	STUDIO A.	182 SF
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Level 2	PRIVATE	SINGLE UNITS	SINGLE UNITS	2	STUDIO A.	182 SF
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Level 2	PRIVATE	SINGLE UNITS	SINGLE UNITS	30	STUDIO A.	181 SF
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Level 2	PRIVATE	SINGLE UNITS	SINGLE UNITS	31	STUDIO A.	181 SF
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Grand total: 38

9182 SF

CONCEPT 2# - SHAKINA

PROGRAM

ARCH. PROGRAM MASTER - THIRD FL.						
Level	Occupancy	Residence Type	RESIDENCY TYPE	Number	Name	Area

APARTMENTS

PRIVATE

APARTMENTS

DOUBLE APT.

Level 3 NC	PRIVATE	APARTMENTS	APARTMENT32 TS		DOUBLE APT.	252 SF
Level 3 NC	PRIVATE	APARTMENTS	APARTMENT33 TS		DOUBLE APT.	254 SF
Level 3 NC	PRIVATE	APARTMENTS	APARTMENT34 TS		DOUBLE APT.	254 SF
Level 3 NC	PRIVATE	APARTMENTS	APARTMENT35 TS		DOUBLE APT.	252 SF
Level 3 NC	PRIVATE	APARTMENTS	APARTMENT36 TS		DOUBLE APT.	252 SF
Level 3 NC	PRIVATE	APARTMENTS	APARTMENT37 TS		DOUBLE APT.	254 SF

COMMON AREA

PUBLIC

COMMON AREA

Level 3 NC	PUBLIC	COMMON AREA	COMMON AREA	89	COMMUNAL KITCHEN	1074 SF
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DINING

Level 3 NC	PUBLIC	COMMON AREA	COMMON AREA	106	DINING	411 SF
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HALLWAY

Level 3 NC	PUBLIC	COMMON AREA	CIRCULATION	108	HALLWAY	1495 SF
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LOUNGE

Level 3 NC	PUBLIC	COMMON AREA	COMMON AREA	107	LOUNGE	275 SF
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N STAIRS

Level 3 NC	PUBLIC	COMMON AREA	CIRCULATION	122	N STAIRS	193 SF
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S STAIRS

Level 3 NC	PUBLIC	COMMON AREA	CIRCULATION	121	S STAIRS	278 SF
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DOUBLE UNITS

PRIVATE

DOUBLE UNITS

DOUBLE

Level 3 NC	PRIVATE	DOUBLE UNITS	DOUBLE UNITS	38	DOUBLE	254 SF
Level 3 NC	PRIVATE	DOUBLE UNITS	DOUBLE UNITS	39	DOUBLE	254 SF
Level 3 NC	PRIVATE	DOUBLE UNITS	DOUBLE UNITS	40	DOUBLE	254 SF
Level 3 NC	PRIVATE	DOUBLE UNITS	DOUBLE UNITS	41	DOUBLE	254 SF
Level 3 NC	PRIVATE	DOUBLE UNITS	DOUBLE UNITS	42	DOUBLE	250 SF
Level 3 NC	PRIVATE	DOUBLE UNITS	DOUBLE UNITS	43	DOUBLE	253 SF
Level 3 NC	PRIVATE	DOUBLE UNITS	DOUBLE UNITS	44	DOUBLE	253 SF
Level 3 NC	PRIVATE	DOUBLE UNITS	DOUBLE UNITS	45	DOUBLE	253 SF
Level 3 NC	PRIVATE	DOUBLE UNITS	DOUBLE UNITS	46	DOUBLE	253 SF

SINGLE UNITS

PRIVATE

SINGLE UNITS

Level 3 NC	PRIVATE	SINGLE UNITS	SINGLE UNITS	47	STUDIO	132 SF
Level 3 NC	PRIVATE	SINGLE UNITS	SINGLE UNITS	48	STUDIO	132 SF
Level 3 NC	PRIVATE	SINGLE UNITS	SINGLE UNITS	49	STUDIO	132 SF
Level 3 NC	PRIVATE	SINGLE UNITS	SINGLE UNITS	50	STUDIO	132 SF
Level 3 NC	PRIVATE	SINGLE UNITS	SINGLE UNITS	51	STUDIO	132 SF
Level 3 NC	PRIVATE	SINGLE UNITS	SINGLE UNITS	52	STUDIO	132 SF
Level 3 NC	PRIVATE	SINGLE UNITS	SINGLE UNITS	53	STUDIO	132 SF
Level 3 NC	PRIVATE	SINGLE UNITS	SINGLE UNITS	54	STUDIO	132 SF
Level 3 NC	PRIVATE	SINGLE UNITS	SINGLE UNITS	55	STUDIO	132 SF
Level 3 NC	PRIVATE	SINGLE UNITS	SINGLE UNITS	56	STUDIO	127 SF
Level 3 NC	PRIVATE	SINGLE UNITS	SINGLE UNITS	57	STUDIO A	181 SF
Level 3 NC	PRIVATE	SINGLE UNITS	SINGLE UNITS	58	STUDIO A	181 SF

9200 SF

Level 3 NC

Grand total: 33

ARCH. PROGRAM - FOURTH FL.						
Level	Occupancy	Residence Type	RESIDENCY TYPE	Number	Name	Area

APARTMENTS

PRIVATE

APARTMENTS

DOUBLE APT.

Level 4 NC	PRIVATE	APARTMENTS	APARTMENT59 TS		DOUBLE APT.	252 SF
Level 4 NC	PRIVATE	APARTMENTS	APARTMENT60 TS		DOUBLE APT.	254 SF
Level 4 NC	PRIVATE	APARTMENTS	APARTMENT61 TS		DOUBLE APT.	254 SF
Level 4 NC	PRIVATE	APARTMENTS	APARTMENT62 TS		DOUBLE APT.	252 SF
Level 4 NC	PRIVATE	APARTMENTS	APARTMENT63 TS		DOUBLE APT.	252 SF
Level 4 NC	PRIVATE	APARTMENTS	APARTMENT64 TS		DOUBLE APT.	254 SF
Level 4 NC	PRIVATE	APARTMENTS	APARTMENT65 TS		DOUBLE APT.	252 SF
Level 4 NC	PRIVATE	APARTMENTS	APARTMENT66 TS		DOUBLE APT.	254 SF
Level 4 NC	PRIVATE	APARTMENTS	APARTMENT67 TS		DOUBLE APT.	254 SF
Level 4 NC	PRIVATE	APARTMENTS	APARTMENT68 TS		DOUBLE APT.	252 SF

Level 4 NC

COMMON AREA

PUBLIC

Level 4 NC	PUBLIC	COMMON AREA	COMMON AREA	110	COMMUNAL KITCHEN	285 SF
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DINING

Level 4 NC	PUBLIC	COMMON AREA	COMMON AREA	111	DINING	438 SF
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HALLWAY

Level 4 NC	PUBLIC	COMMON AREA	CIRCULATION	113	HALLWAY	1511 SF
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LOUNGE

Level 4 NC	PUBLIC	COMMON AREA	COMMON AREA	91	LOUNGE	297 SF
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Level 4 NC	PUBLIC	COMMON AREA	COMMON AREA	112	LOUNGE	370 SF
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N STAIRS

Level 4 NC	PUBLIC	COMMON AREA	CIRCULATION	124	N STAIRS	193 SF
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S STAIRS

Level 4 NC	PUBLIC	COMMON AREA	CIRCULATION	123	S STAIRS	278 SF
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SKYWALK

Level 4 NC	PUBLIC	COMMON AREA	CIRCULATION	120	SKYWALK	196 SF
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DOUBLE UNITS

PRIVATE

DOUBLE UNITS

DOUBLE

Level 4 NC	PRIVATE	DOUBLE UNITS	DOUBLE UNITS	69	DOUBLE	252 SF
Level 4 NC	PRIVATE	DOUBLE UNITS	DOUBLE UNITS	82	DOUBLE	306 SF
Level 4 NC	PRIVATE	DOUBLE UNITS	DOUBLE UNITS	83	DOUBLE	253 SF
Level 4 NC	PRIVATE	DOUBLE UNITS	DOUBLE UNITS	84	DOUBLE	253 SF
Level 4 NC	PRIVATE	DOUBLE UNITS	DOUBLE UNITS	85	DOUBLE	253 SF
Level 4 NC	PRIVATE	DOUBLE UNITS	DOUBLE UNITS	86	DOUBLE	253 SF

SINGLE UNITS

PRIVATE

SINGLE UNITS

Level 4 NC	PRIVATE	SINGLE UNITS	SINGLE UNITS	76	STUDIO	132 SF
Level 4 NC	PRIVATE	SINGLE UNITS	SINGLE UNITS	77	STUDIO	132 SF
Level 4 NC	PRIVATE	SINGLE UNITS	SINGLE UNITS	78	STUDIO	132 SF
Level 4 NC	PRIVATE	SINGLE UNITS	SINGLE UNITS	79	STUDIO	132 SF
Level 4 NC	PRIVATE	SINGLE UNITS	SINGLE UNITS	80	STUDIO	132 SF
Level 4 NC	PRIVATE	SINGLE UNITS	SINGLE UNITS	81	STUDIO	127 SF
Level 4 NC	PRIVATE	SINGLE UNITS	SINGLE UNITS	87	STUDIO A	181 SF
Level 4 NC	PRIVATE	SINGLE UNITS	SINGLE UNITS	88	STUDIO A	181 SF

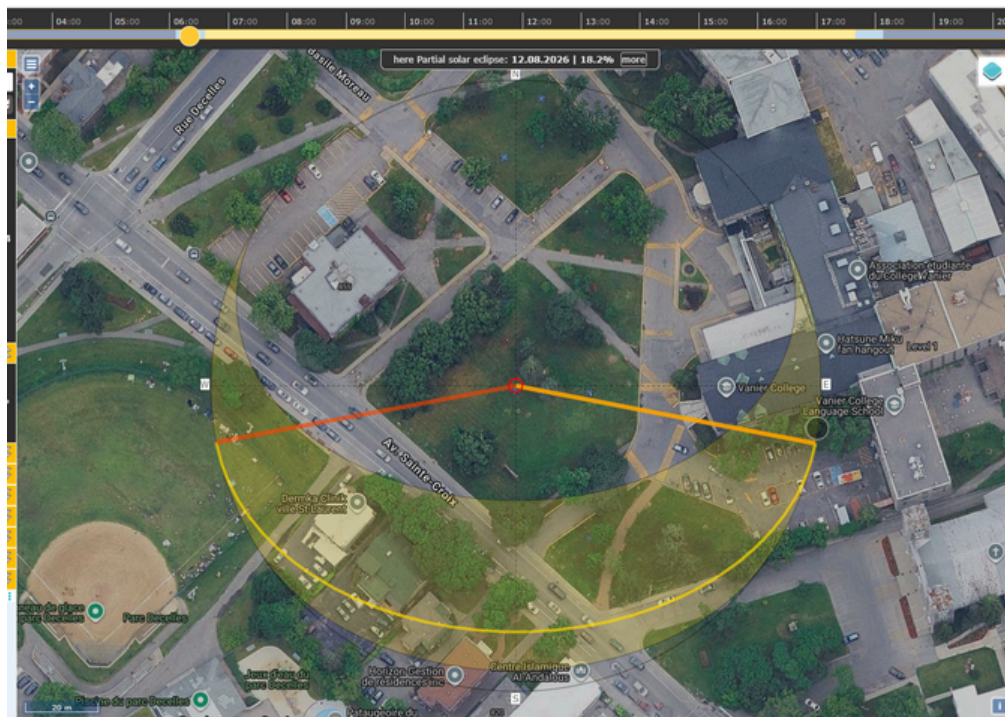
8815 SF

Grand total: 32

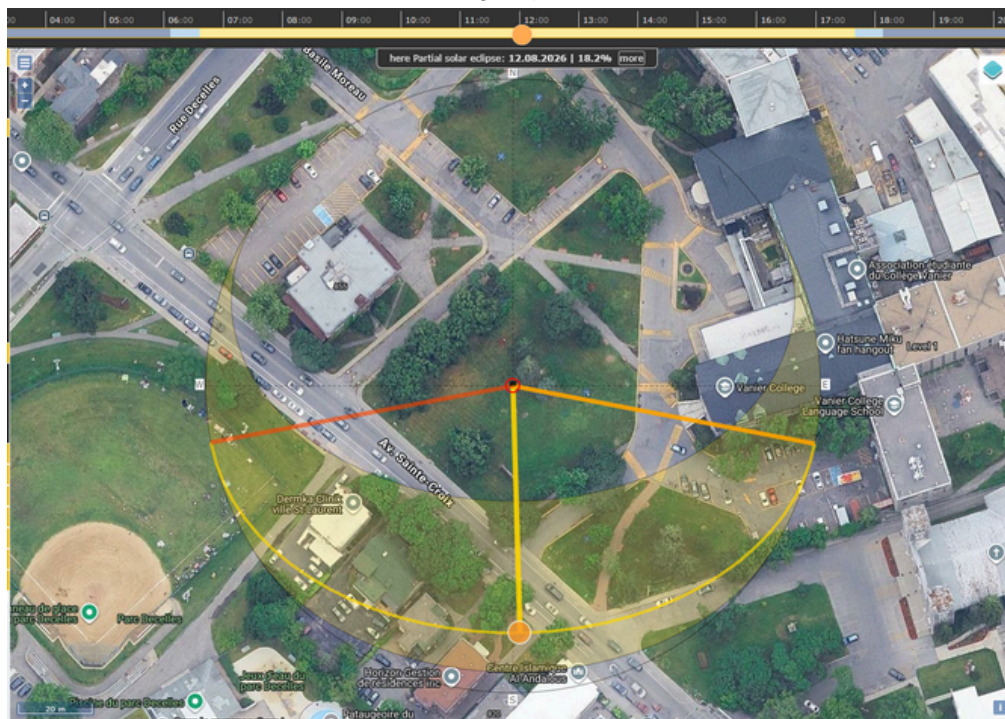
Question List:

- 1) Do R.A.s count as students and part of the 120 housing units?
 - **Yes, they are considered as students.**
- 2) Can we put the laundry room in the basement?
 - **Yes, we can also add a mechanical room, dining room, and lounge.**
- 3) Is it possible to include a skyway as the access point between A Building and the student residence?
 - **Yes, it is doable, considering vehicle heights and code regulations such as emergency response. Just as long as circulation and accessibility are considered.**
- 4) Can we make access to the gym?
 - **Yes, it is possible to make an access to the gym, you just have to make sure you are not blocking a street.**
- 5) Does the building have to look like the existing buildings on site?
 - **No, we can be as creative as we like when it comes to form and style of design.**
- 6) How are the bedrooms in the apartment units divided?
 - **With regular partition walls.**
- 7) Does the road in front of A Building count as a street? (Codes)
 - **3.2.2.10**
- 8) Is there a specific size of elevator/shaft we should be incorporating into our design?
 - **It depends of the manufacturer and also how many people you have in your building**
- 9) What would the setback be for our property zoning regulations? How will it impact balconies, terraces, fences, etc.? Is the distance different?
 - **3.4.3.1**
- 10) If we use a skywalk, will we need fire-rated doors to separate the transition between buildings? (also to better regulate temp. control?)
 - **Yes, treat it as any exit or exterior door.**
- 11) Are there any specific requirements for a skywalk? (How long can it be, wall compositions)
 - **Depends of your design, there is not really any requirements apart from they have to be to code and prioritize the safety of users.**
- 12) Can we extend our footprint larger than the allotted 7,500 sq. ft? If so by how much?
 - **Yes, so long as it is reasonable and the space is used efficiently.**
- 13) Can the stairs wrap around the elevator shaft, sharing the same space according to the building code?
 - **No/Yes, the stairwell needs to be isolated, enveloped in a fire proofed wall with its own entrance, same for the shaft. So long as that is the case it could be possible.**
- 14) Is there a specific requirement for interior design and landscaping?
 - **Show it works, ideas for landscape but don't overcomplicate it, show circulation**
- 15) Can the height of the first floor be larger than the floors above?
 - **Yes, as long as it respects the levels of the existing A building.**
- 16) Does the sustainability element in our design have to be visible or can it also be within the structure?
 - **It can also be within the structure, does not need to be visible, be able to explain it or incorporate it in a detail if possible**

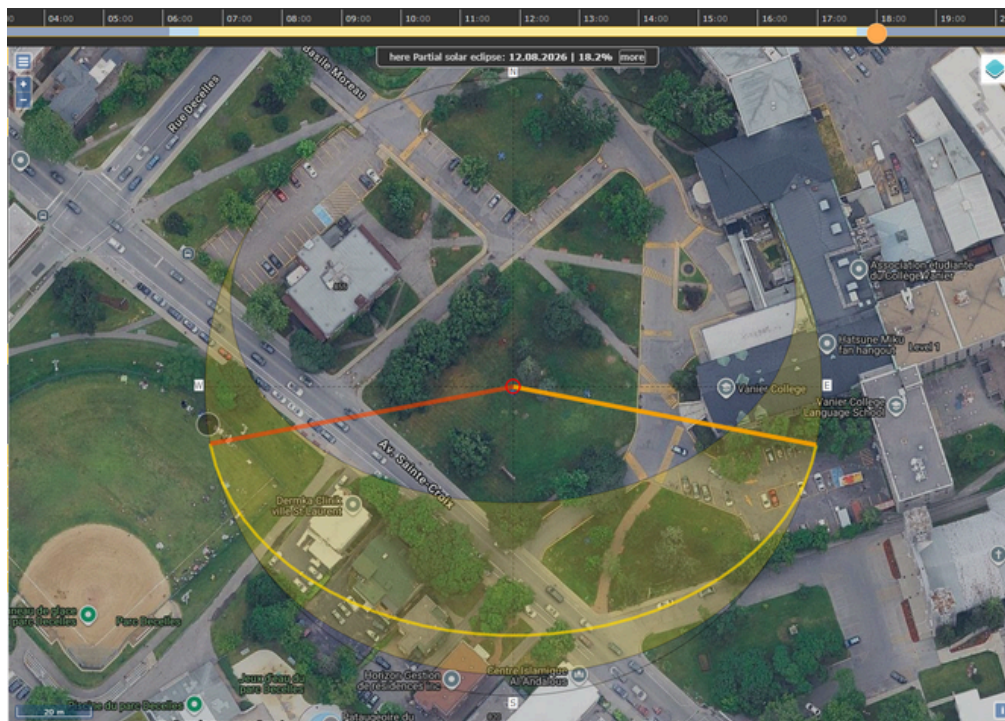
SUN PATH-WINTER



6AM



12PM



SUN PATH-SUMMER

