



Glendale Community College
Nelli-Sharafyan

architecture PORTFOLIO

2022

Nelli Sharafyan

SKILLS

Revit

Sketch up

Rhino

Autocad

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01 - Villa Savoye

02 - Design House Program - Jean-Baptiste Alaize

03 - Senior Housing Project

04 - Residential

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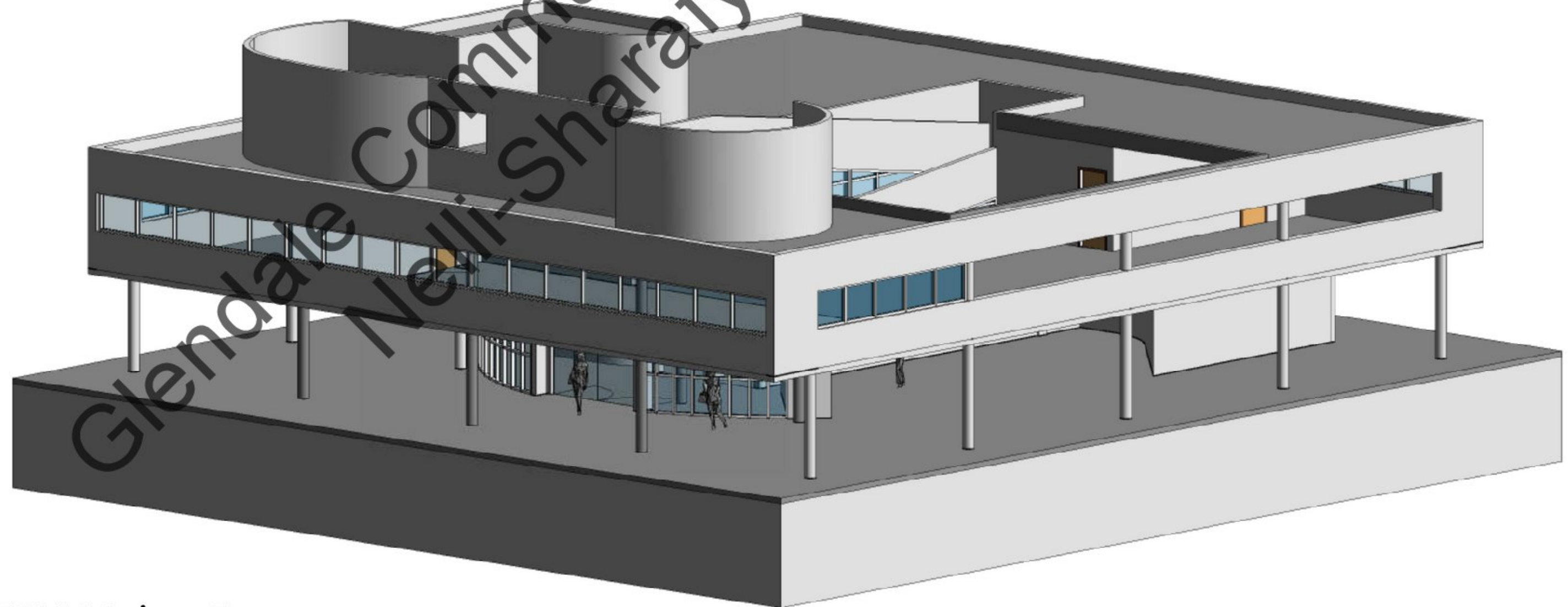
06 - Revit renderings

01 - Villa Savoye

By Le Corbusier

The Five Points of a New Architecture

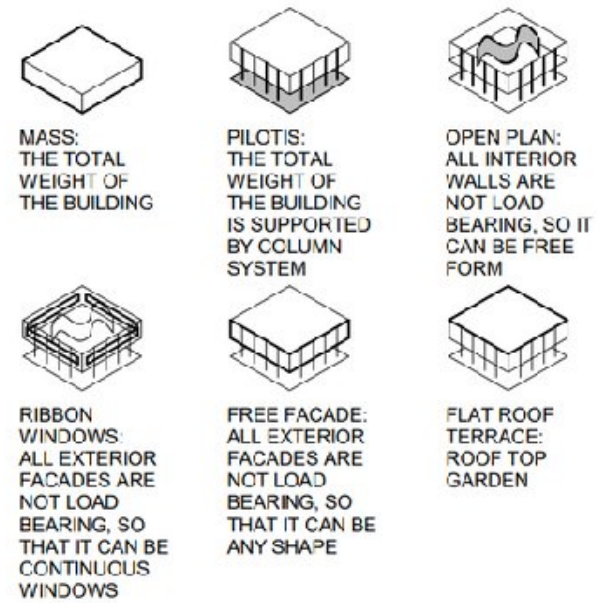
1. Pilotis.
2. The free design of the ground plan.
3. The free design of the façade.
4. Horizontal windows.
5. Roof garden.



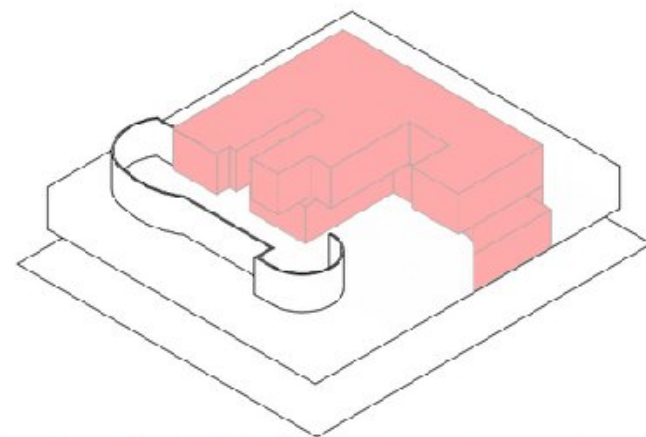
Location: 82 Rue de Villiers, 78300 Poissy, France

Existing Site Conditions and Concepts

PARTI DIAGRAM

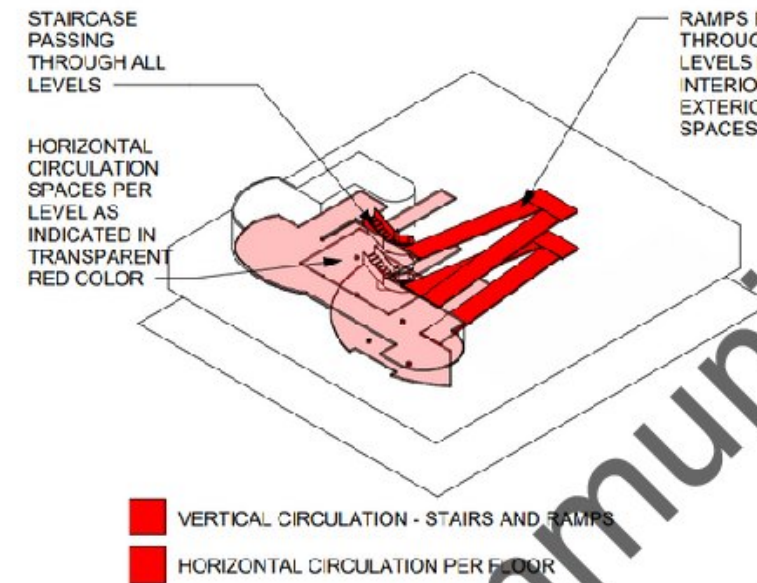


PROGRAM DIAGRAM

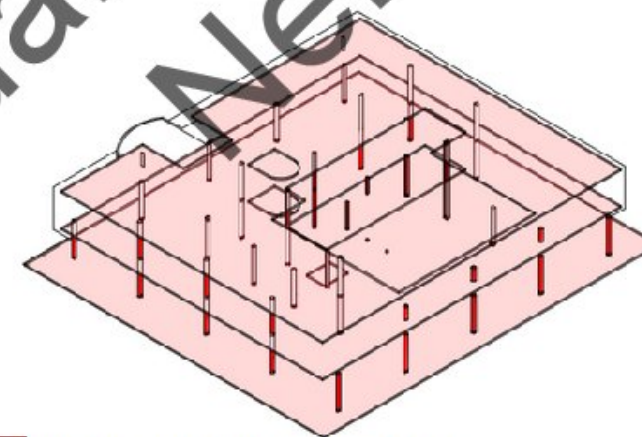


- INDICATED AS PRIVATE PROGRAMS - BEDROOMS AND BATHROOMS
- INDICATED AS PUBLIC PROGRAMS - PARKING, KITCHEN, LIVING ROOMS, GARDENS

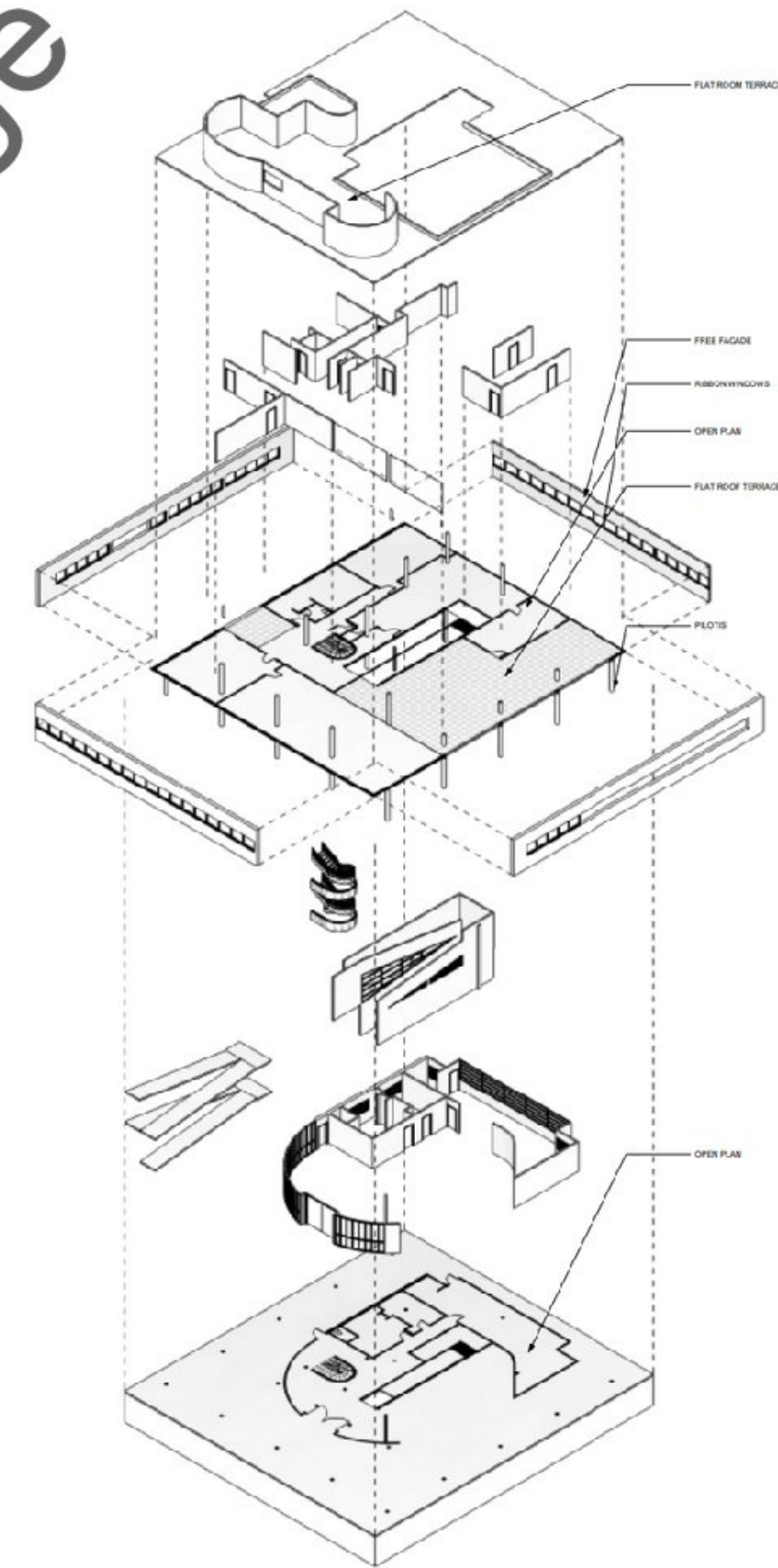
CIRCULATION DIAGRAM



STRUCTURAL DIAGRAM



EXPLODED VIEW



02 - Design House Program

Jean~Baptiste Alaize

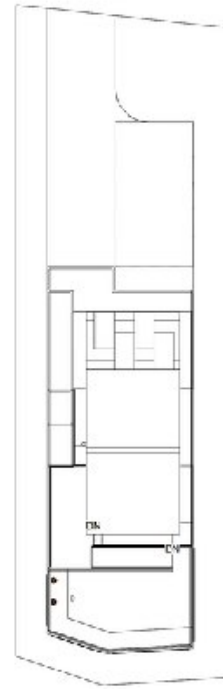
Project Description

Students were assigned to choose a Paralympian athlete from the movie Rising Phoenix and design a three bedroom house to represent different stages of their life. The athlete I chose was Jean-Baptiste Alaize, who specializes in sprint and long-jump. He lost his right leg when he was three years old by receiving three machete blows during the Burundi civil war.

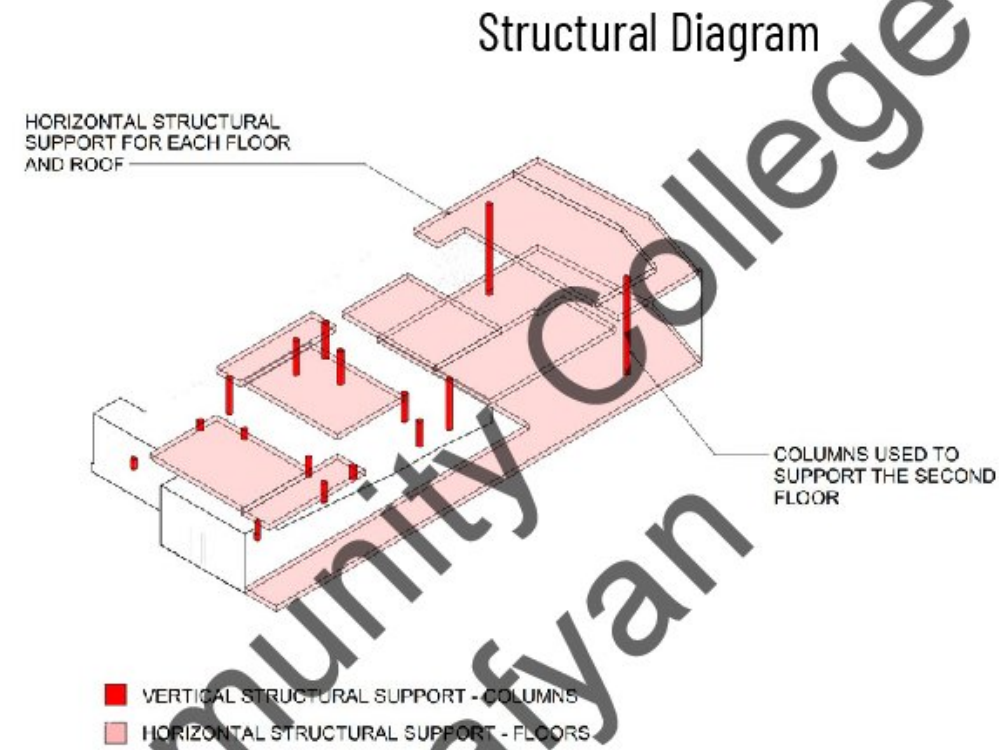


Location: 708 E. Palmer Avenue, Glendale, CA

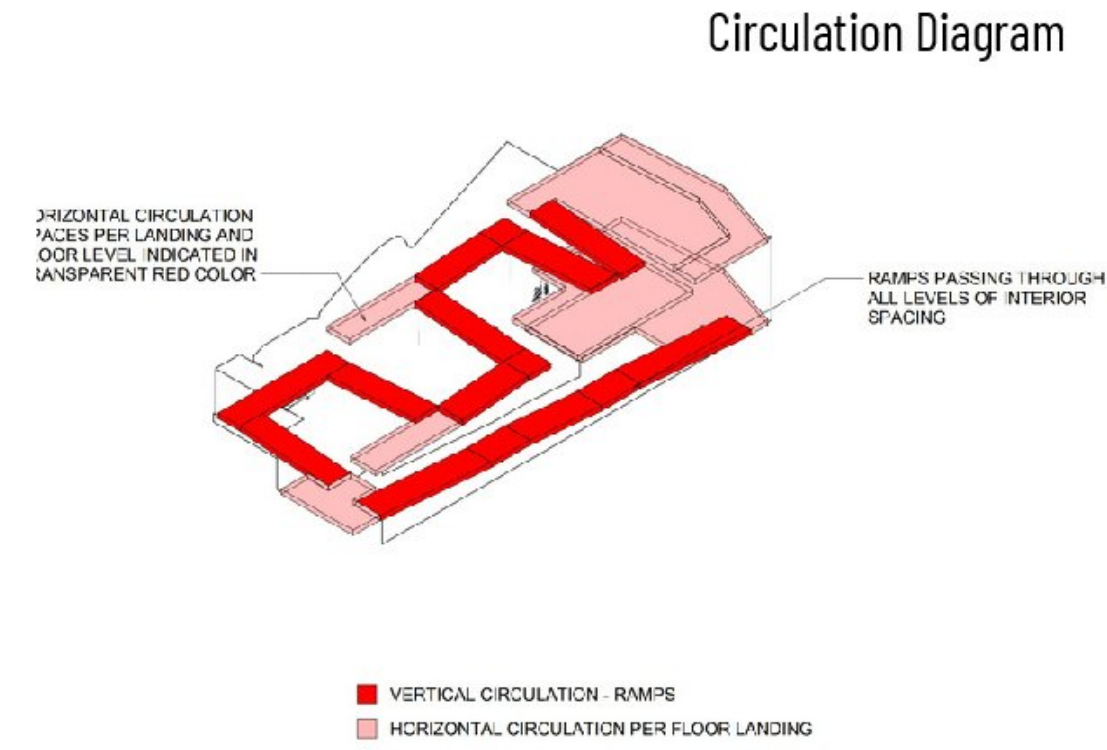
Existing Site Conditions and Concept



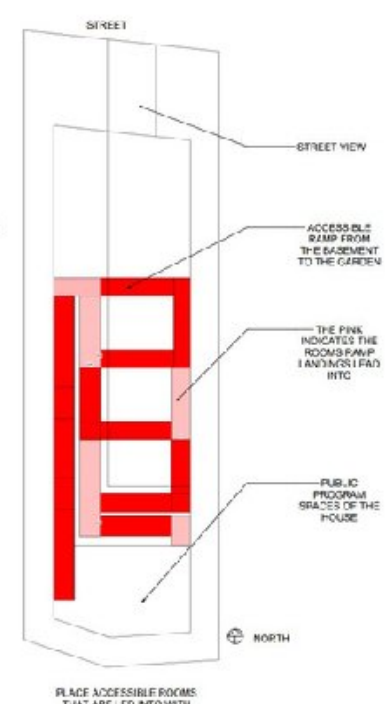
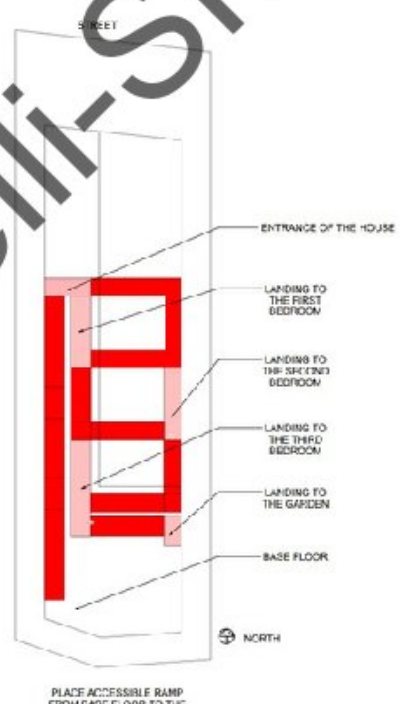
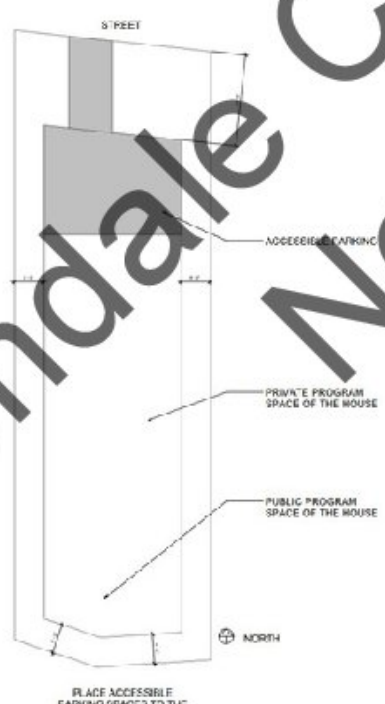
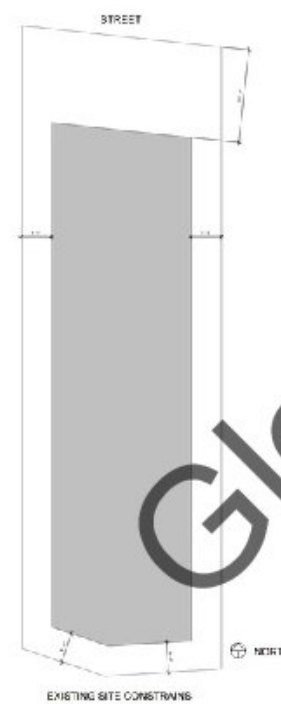
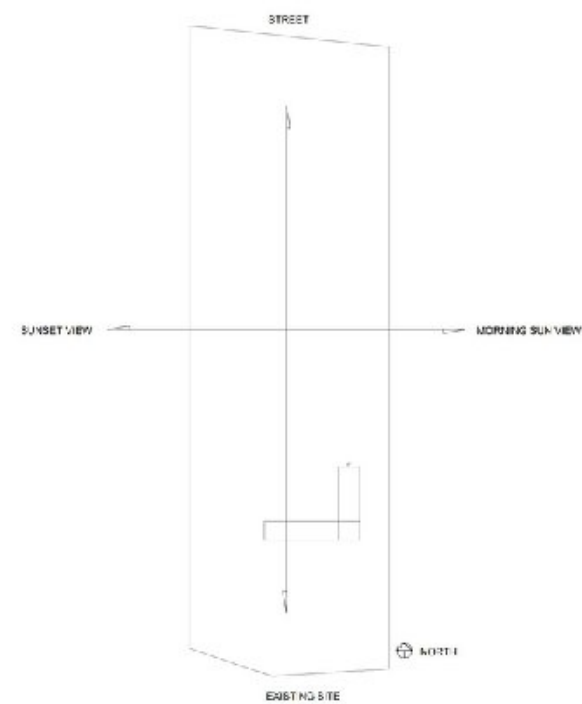
Site



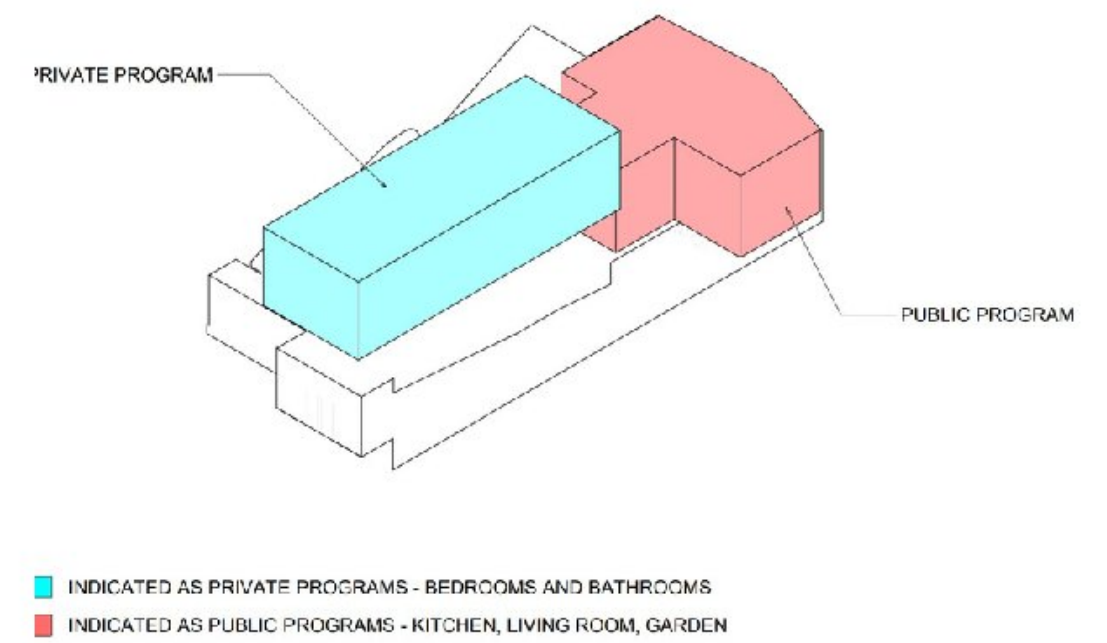
Structural Diagram



Circulation Diagram

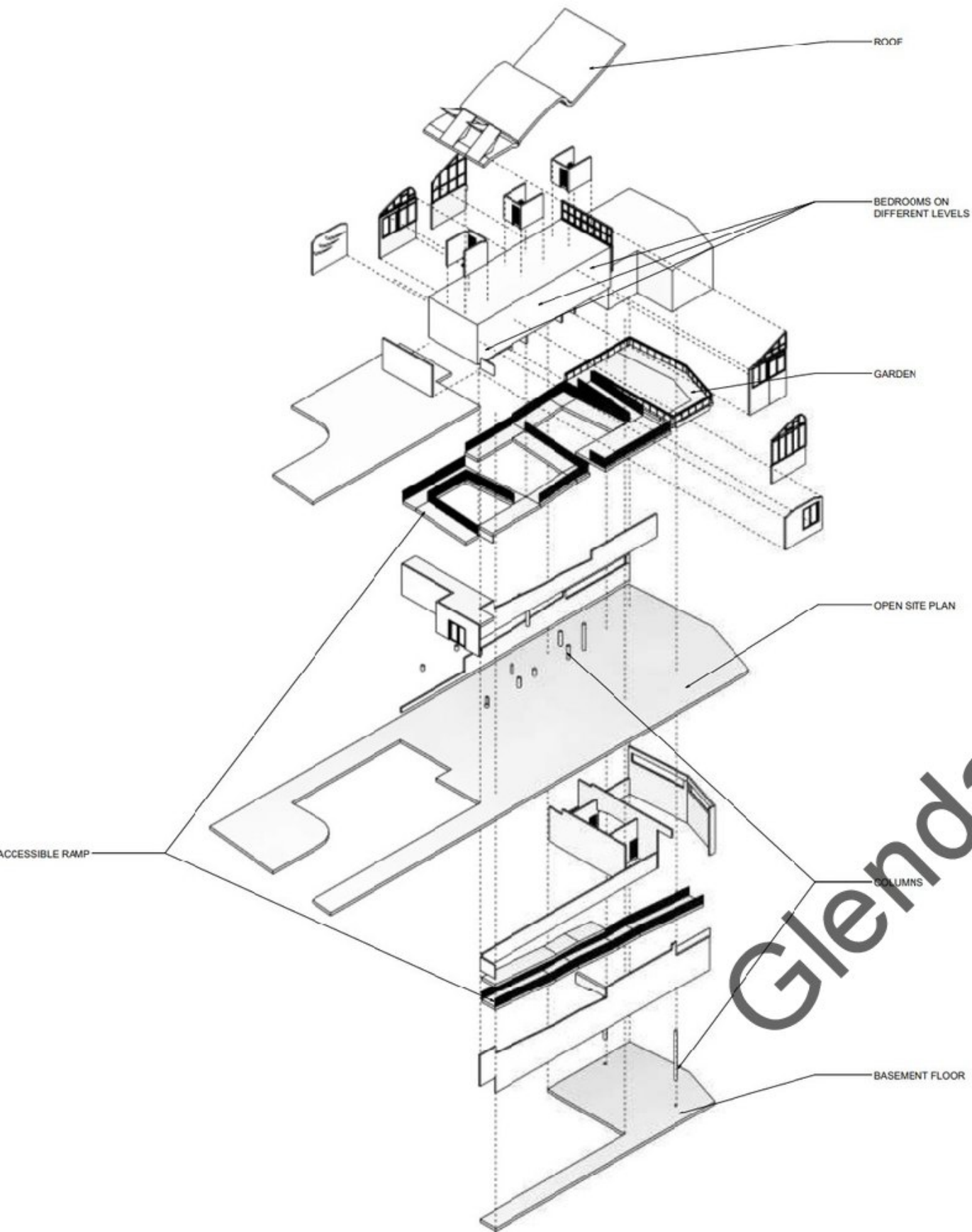


Parti Diagram



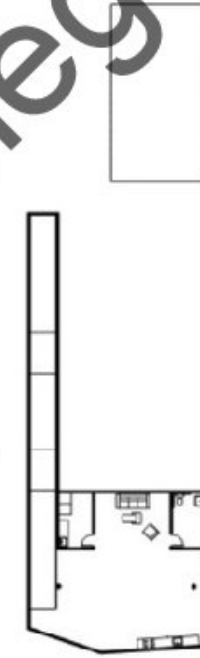
Program Diagram

Exploded View and Floor Plans



Exploded View

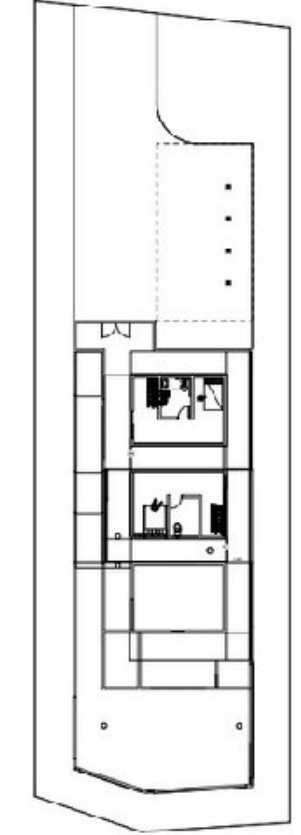
Living Level



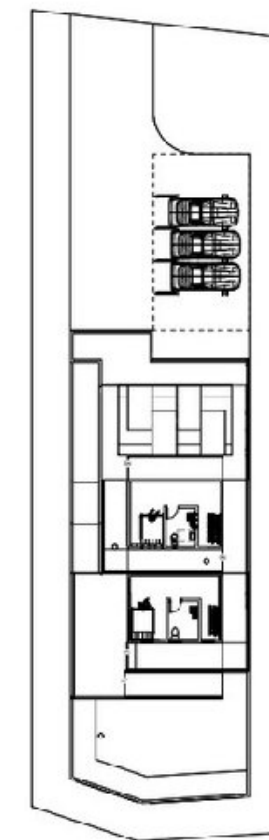
Ground Level



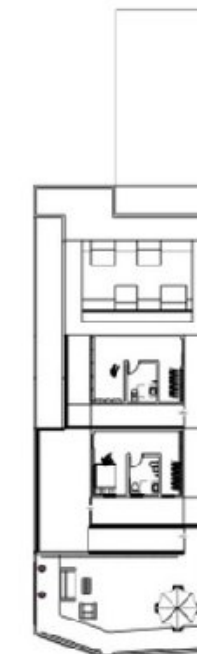
Bedroom 1 Level



Bedroom 2 Level



Bedroom 3 Level

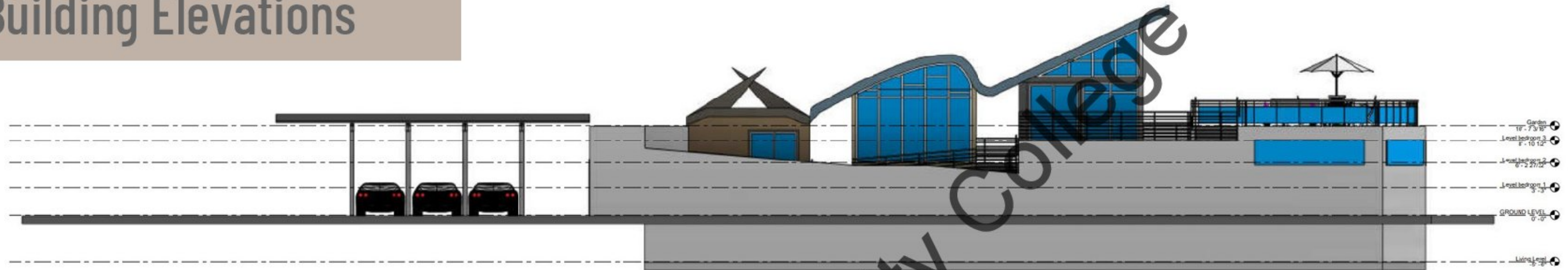


Garden Level



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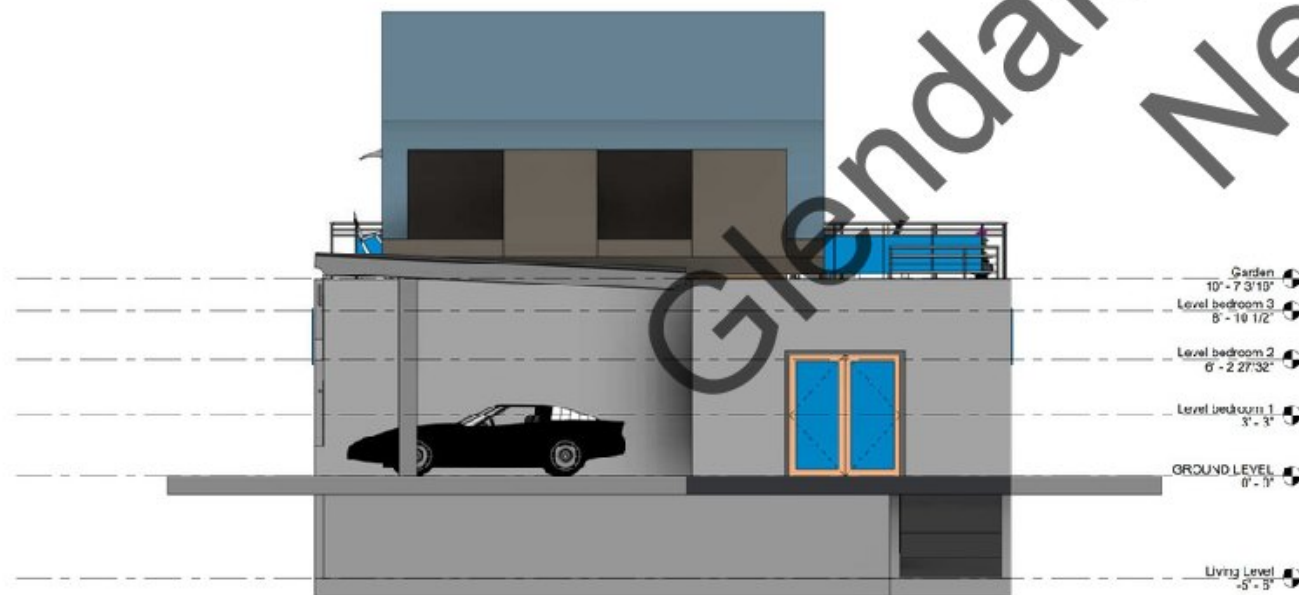
Building Elevations



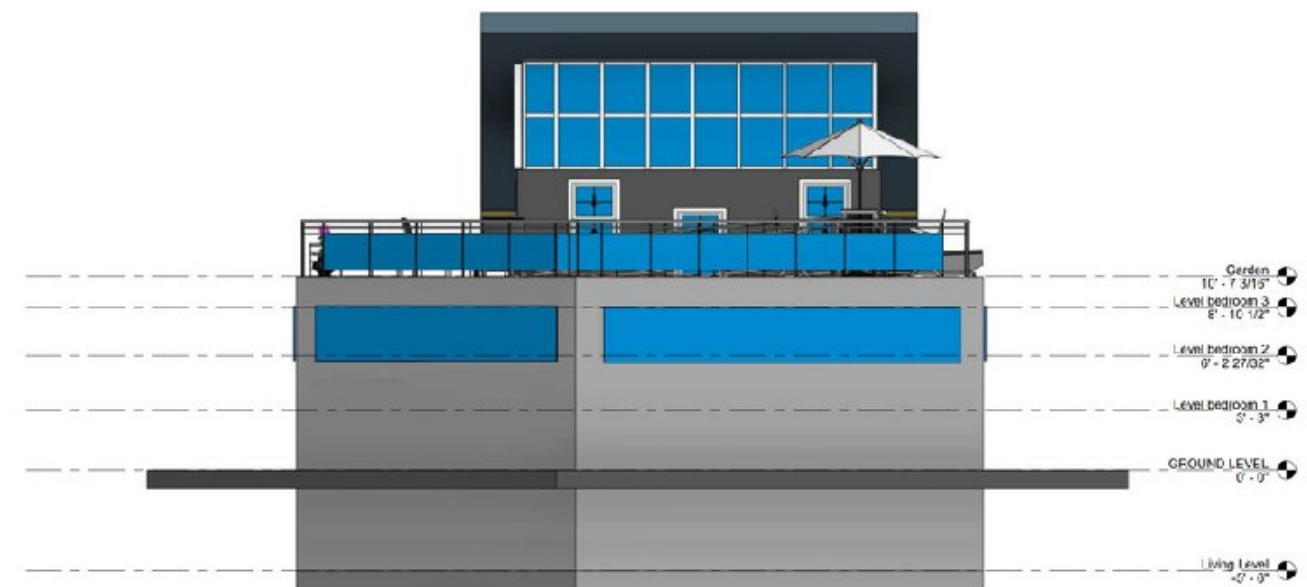
Building West Elevation



Building East Elevation



Building North Elevation



Building South Elevation

Bedroom 1



- The dark room represents the beginning of his unhappy childhood and how he lost his leg. The sharp glass openings represent the machete blows that he got.

Bedroom 2



- This bedroom is colorful to represent his life after the struggles he went through and the hope he has on becoming a Paralympian athlete.

Bedroom 3



- This bedroom represents his success. It has a lot of windows for natural lighting to represent freedom.



Building Elevations



First Bedroom

FIRST BEDROOM SYMBOLIZE ALAIZE'S EARLY LIFE. THE FIRST BEDROOM LEVEL HAS A ROOF WITH FOUR POINTED SIDES TO SYMBOLIZE THE FOUR MACHETE BLOWS HE GOT DURING THE WAR AND LOST HIS RIGHT LEG

Second Bedroom

THE SECOND BEDROOM HAS A ROOF THAT IS THE SHAPE OF HIS PROSTHETIC LEG. HE CHOSE TO BECOME A JUMPER DURING HIS HIGH SCHOOL YEARS.

Third Bedroom

THE THIRD BEDROOM HAS A ROOF THAT GOES UPWARD TO SHOW THAT HE STILL NEEDS TO REACH TO HIS DREAM WHICH IS TO WIN AN OLYMPIC MEDAL. THE ROOF IS CONNECTED TO THE ROOF OF THE SECOND BEDROOM BECAUSE HE NEEDS HIS PROSTHETIC LEG TO ACHIEVE HIS DREAM

03 - Senior Housing Project

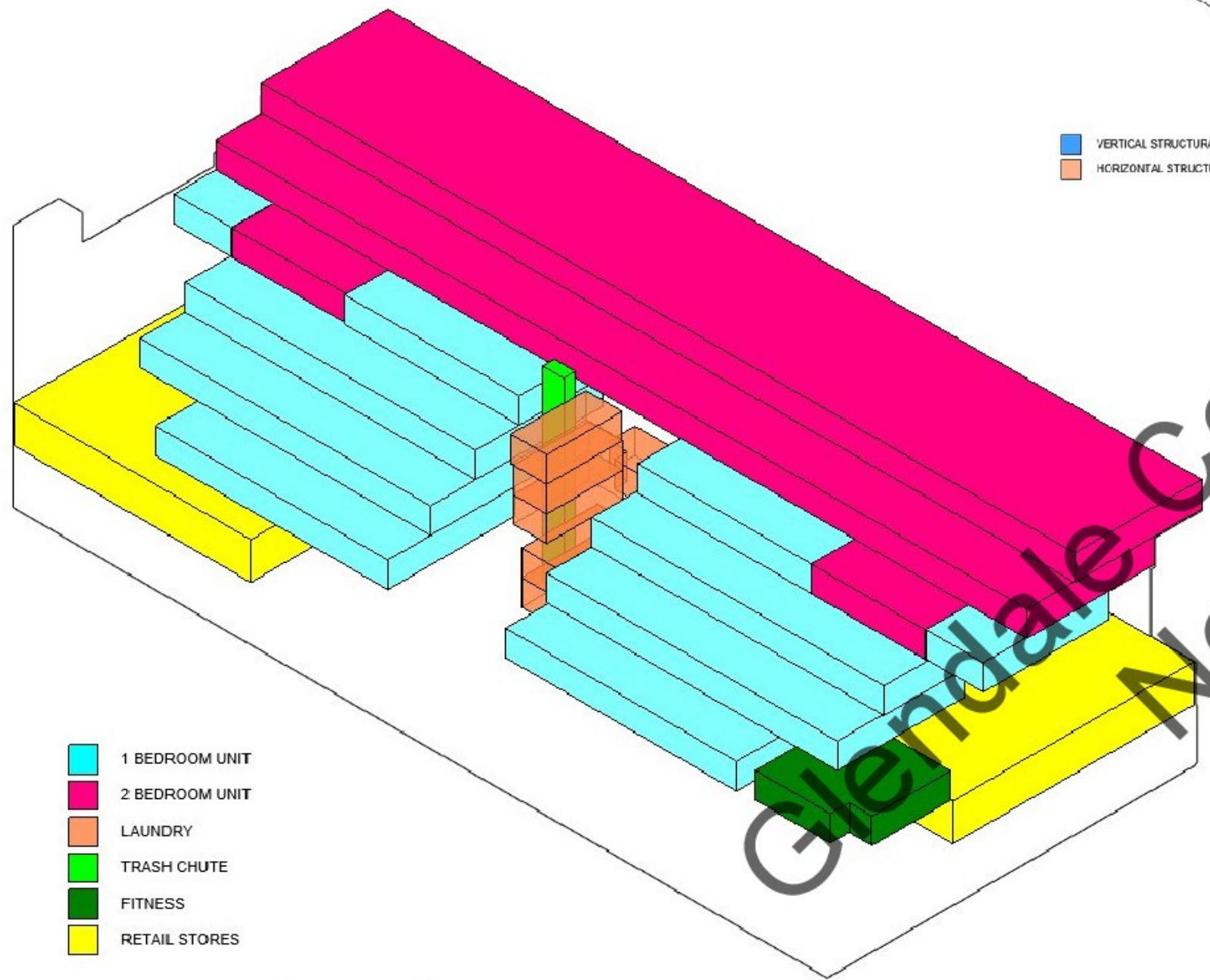
Project Description

Students were asked to design and proposed a brand new residential Mixed-use 75 feet total height mid-rise building for Senior housing mix-used project. My Concept is each unit has its own terrace located on the South side of the building to get sunlight in the afternoon.

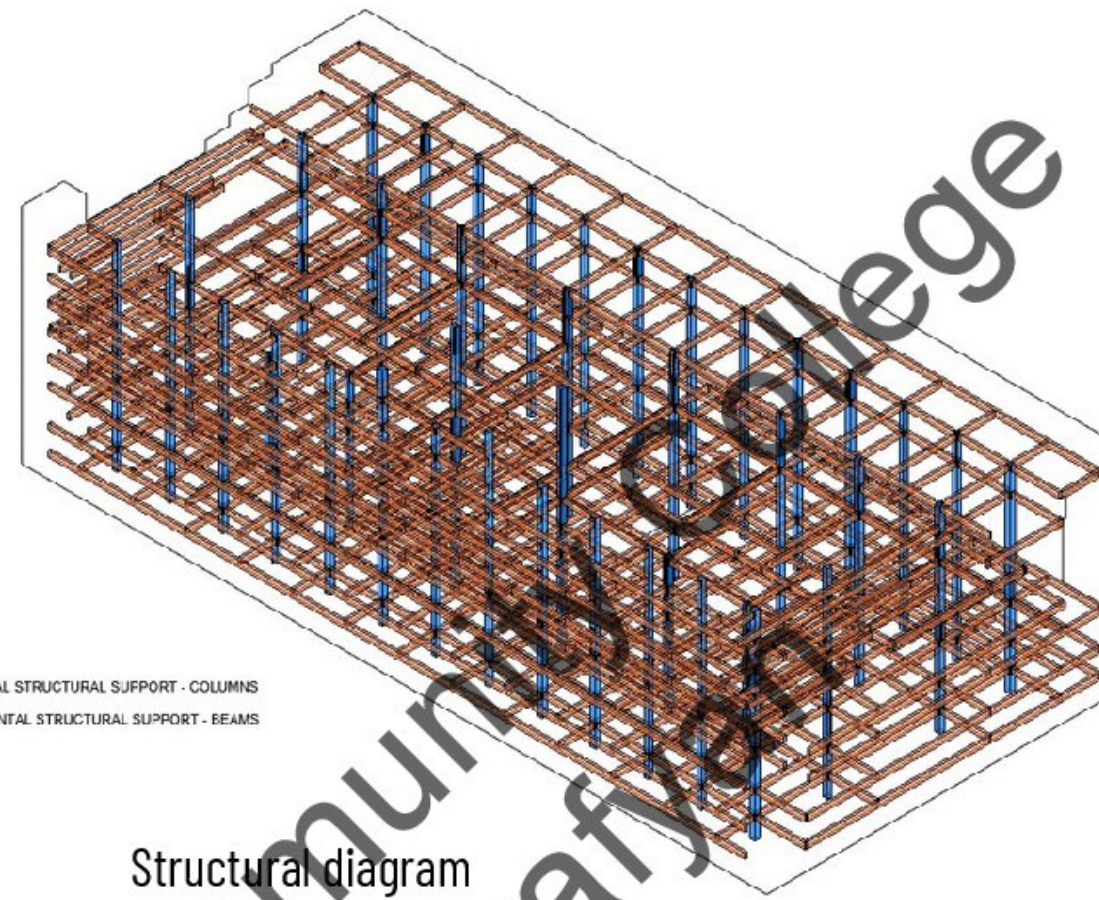


Location: 520 Pico Blvd, Los Angeles, CA.

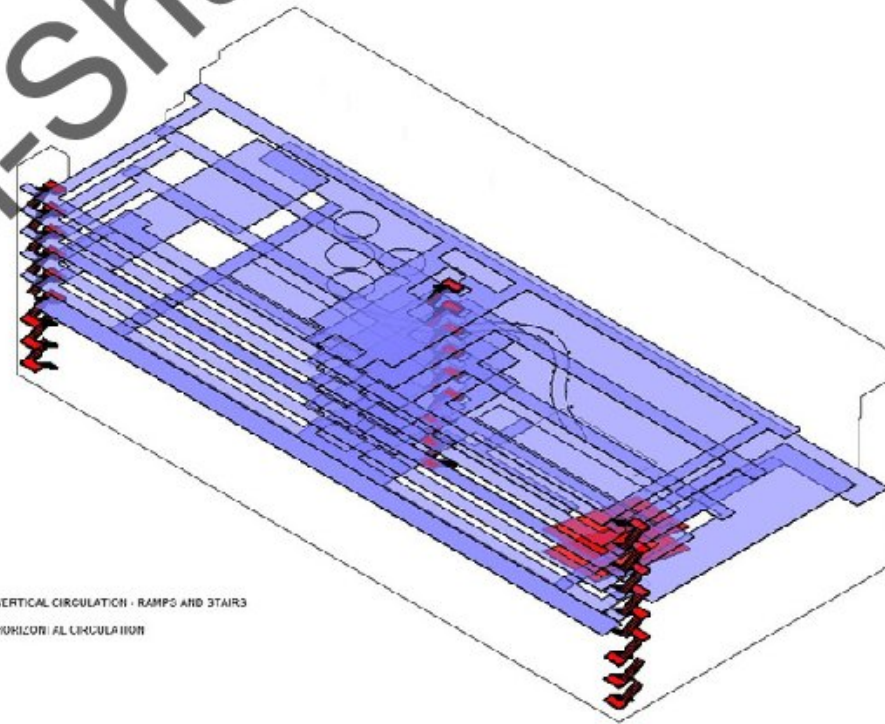
Diagrams and Exploded View



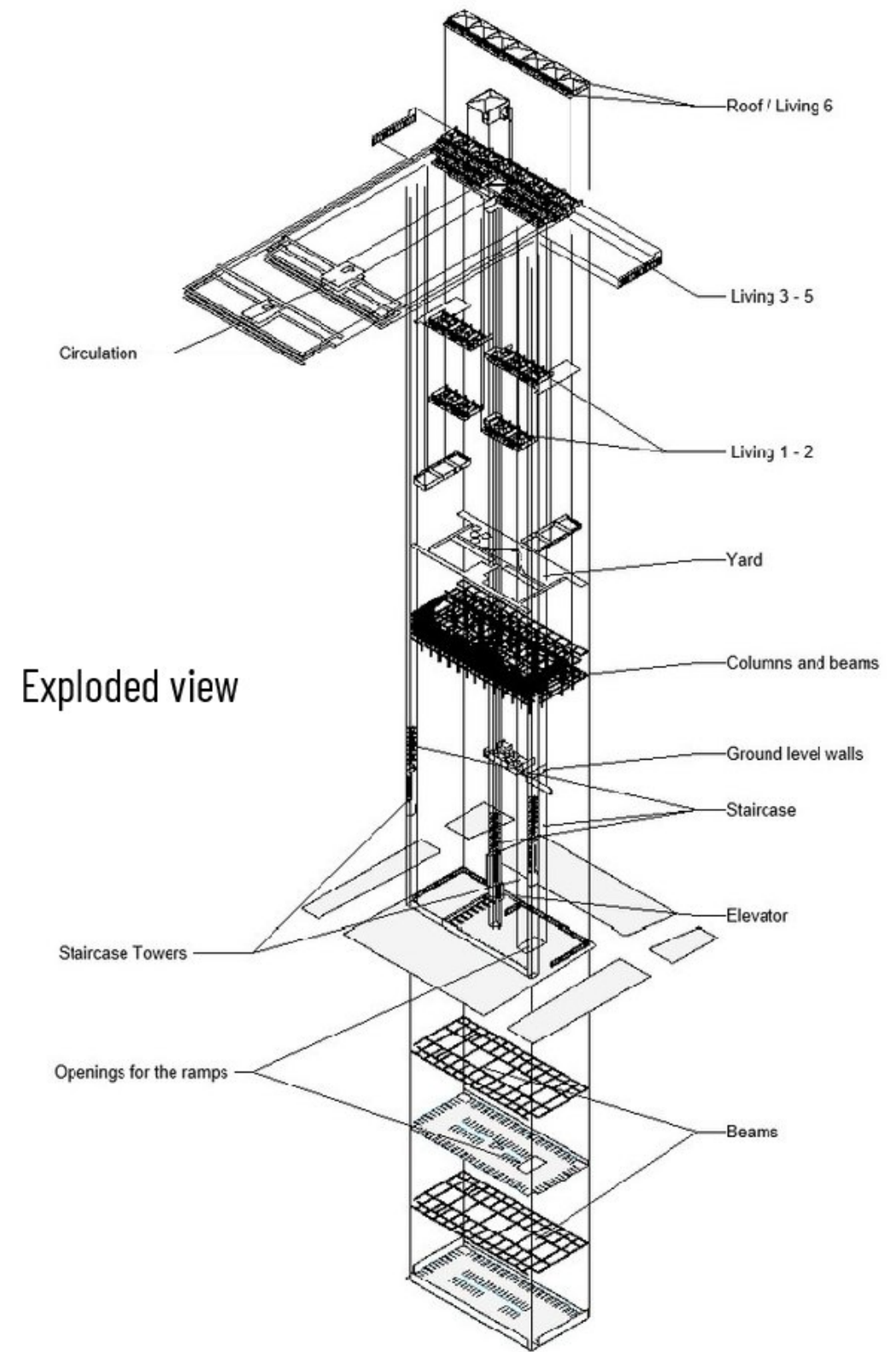
Program diagram



Structural diagram

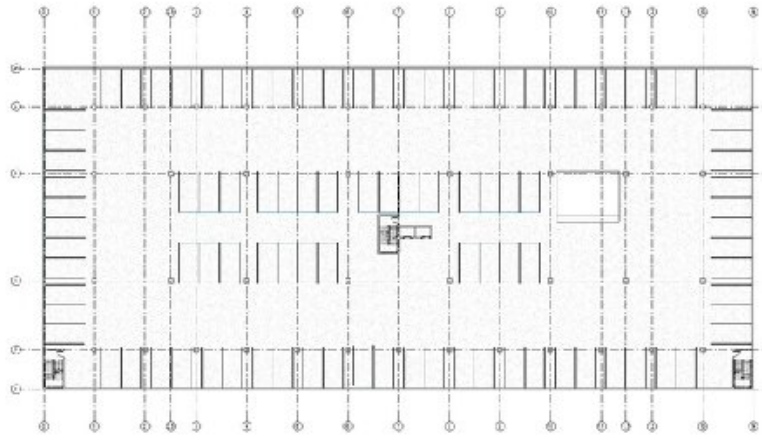


Circulation diagram

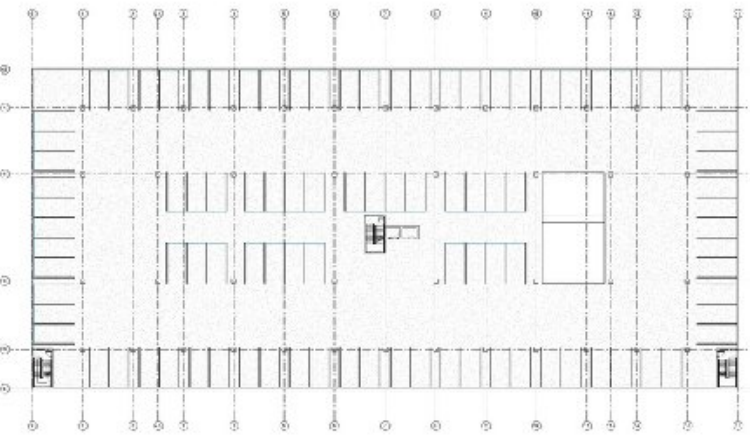


Exploded view

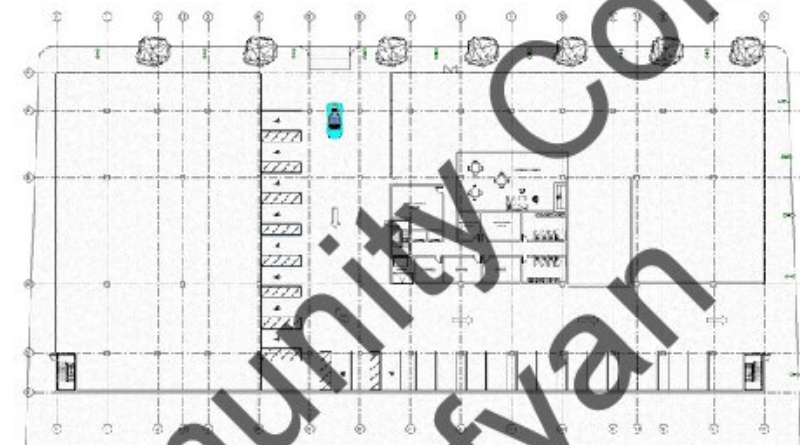
Floor Plans



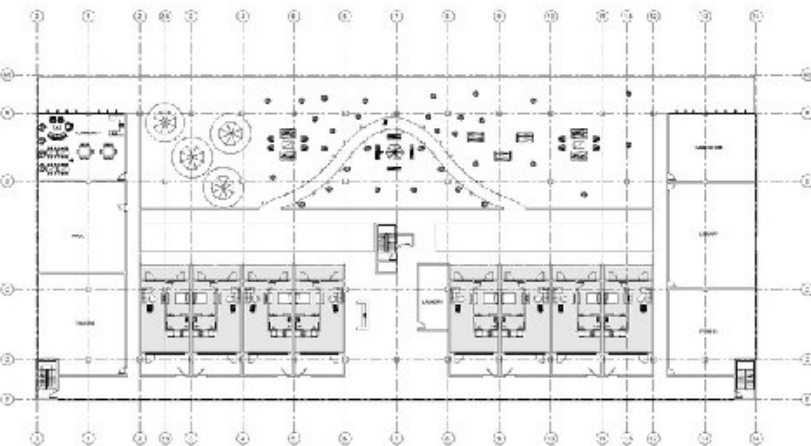
Underground Parking Level 2



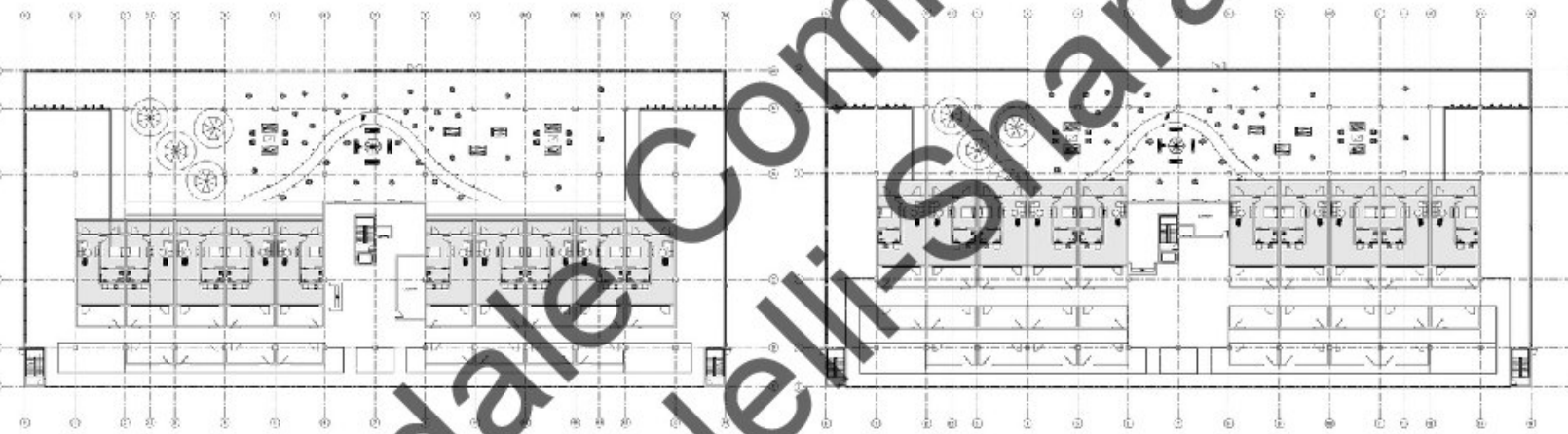
Underground Parking Level 1



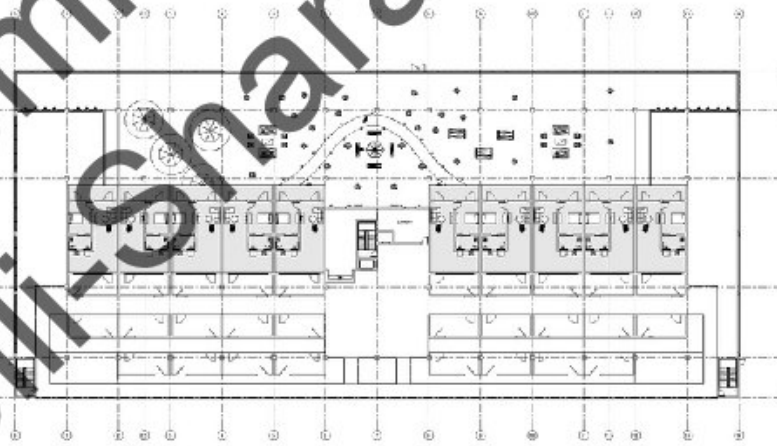
Ground Level



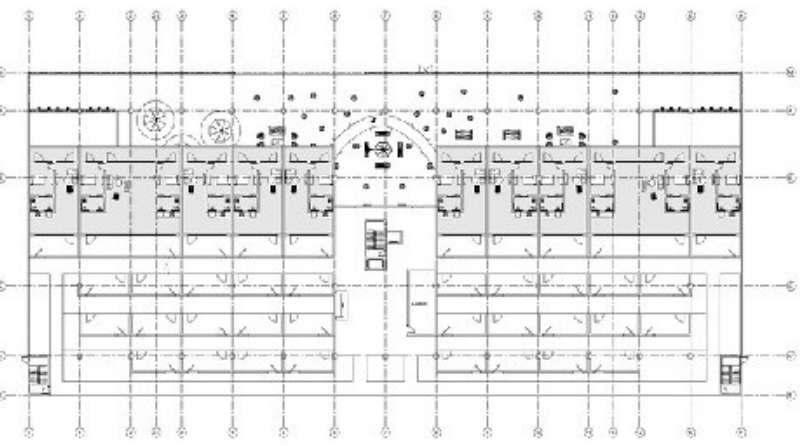
Living Level 1



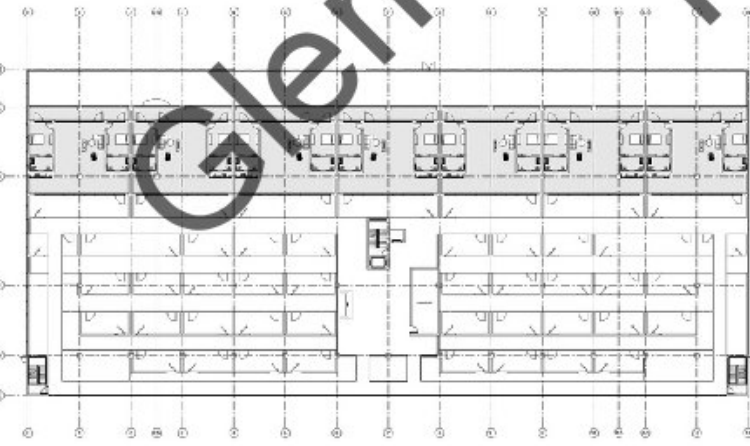
Living Level 2



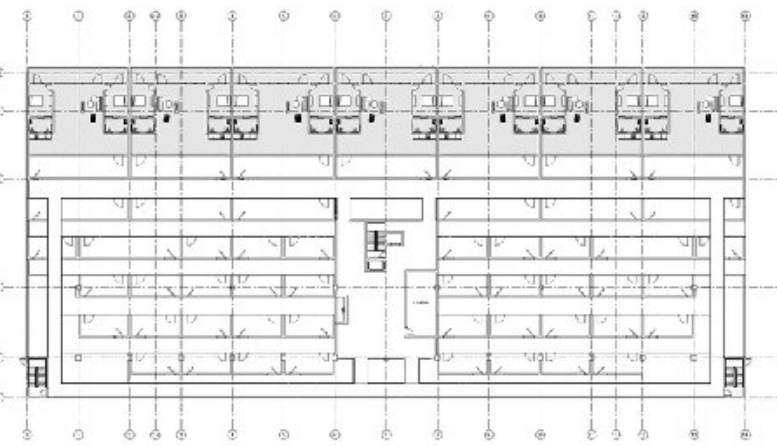
Living Level 3



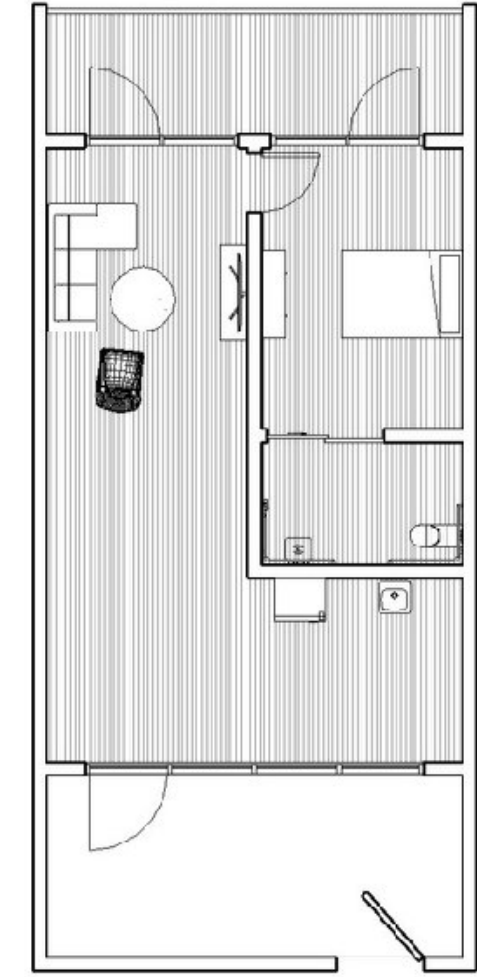
Living Level 4



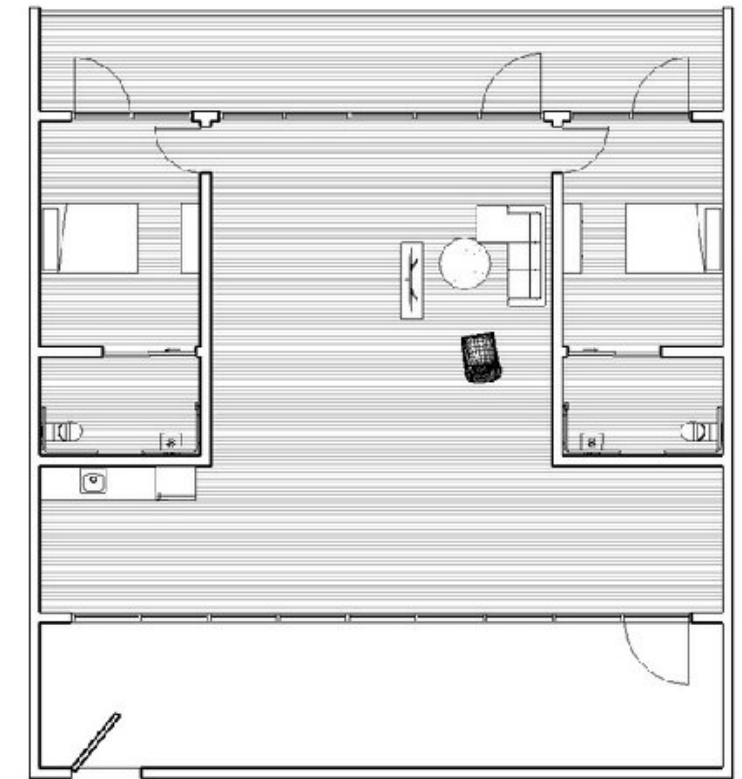
Living Level 5



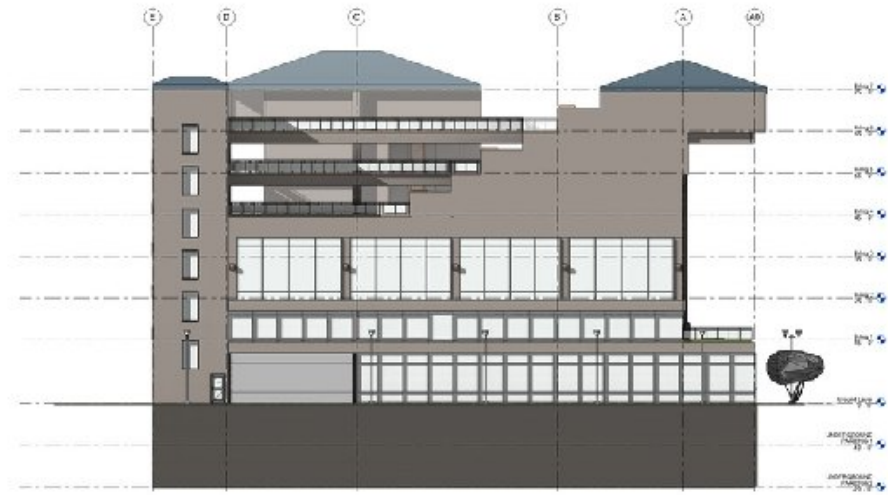
Living Level 6



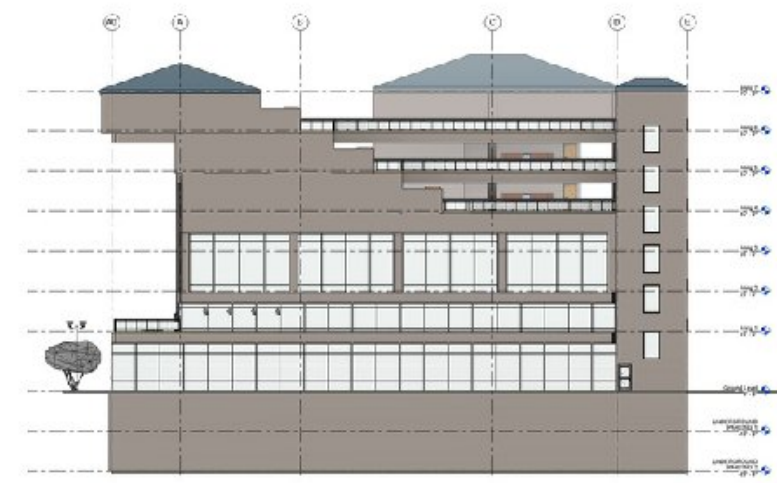
One Bedroom Unit



Two Bedroom Unit



East Elevation



West Elevation



North Elevation



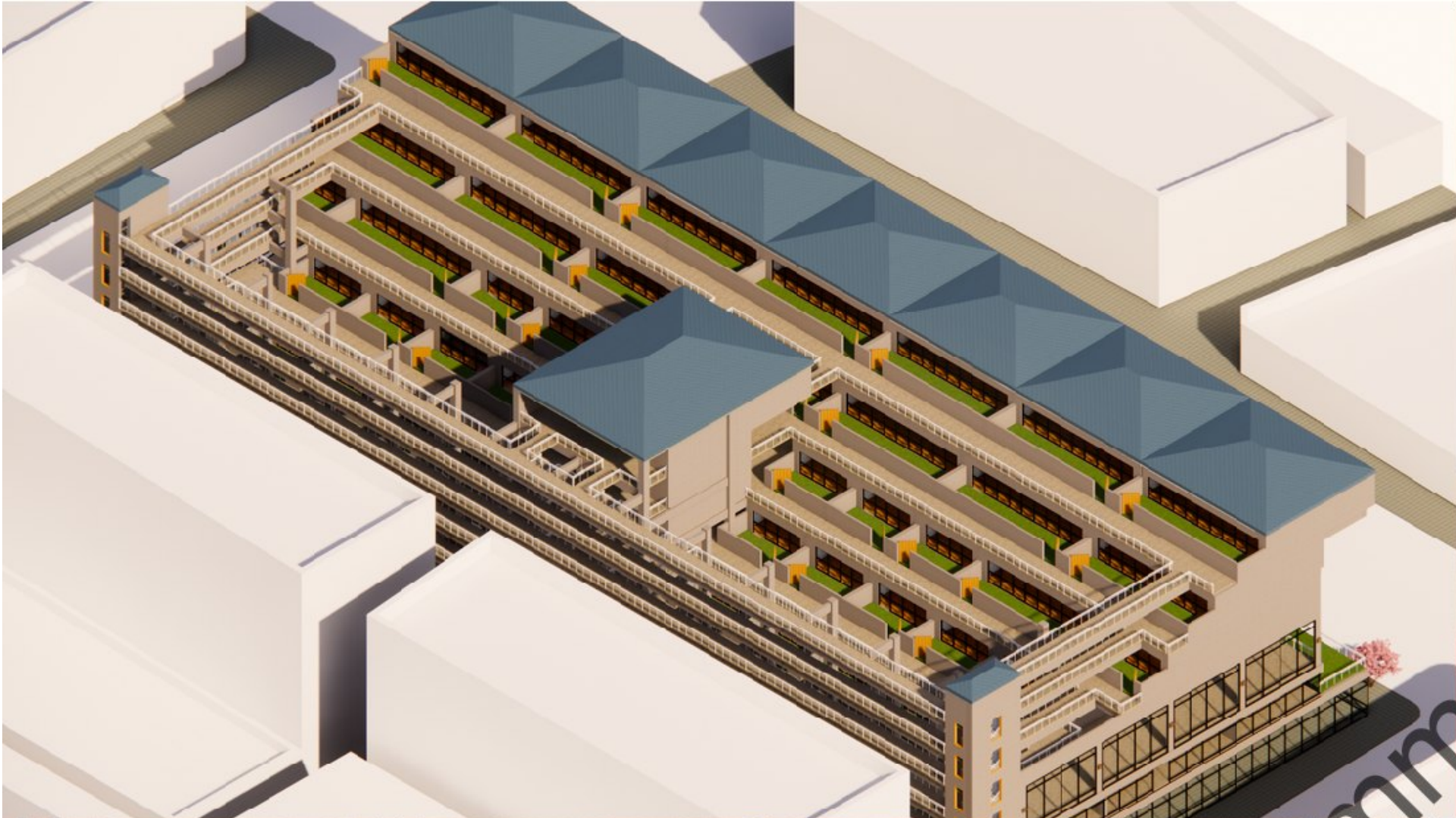
South Elevation



Longitudinal Section Cut of the Building

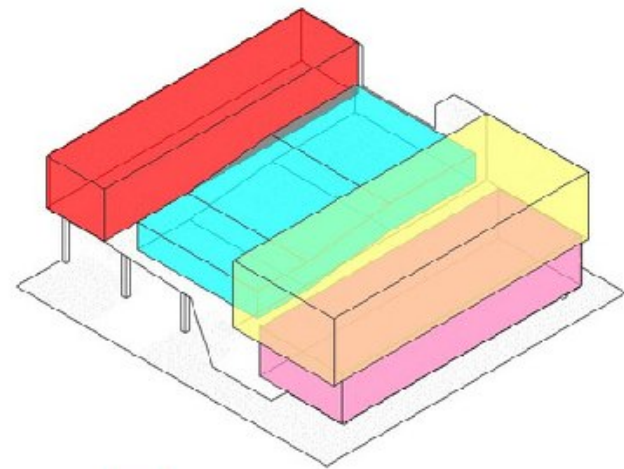


Short Section Cut of the Building

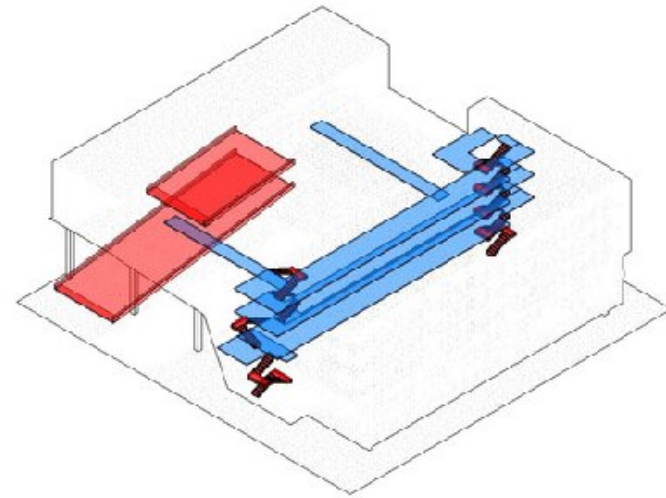


04 - Residential

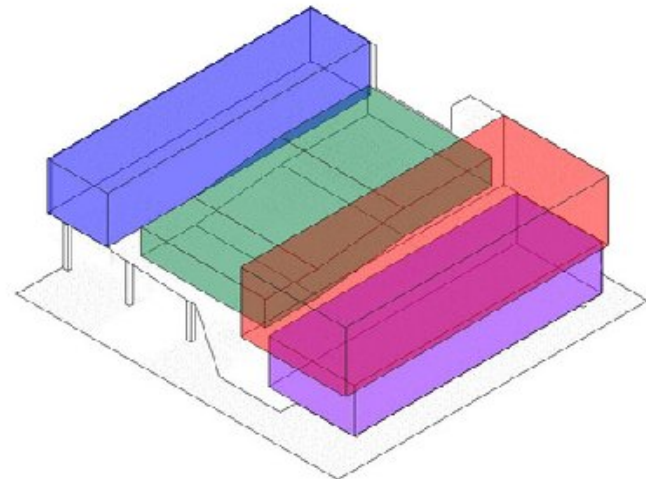
Case Study Project



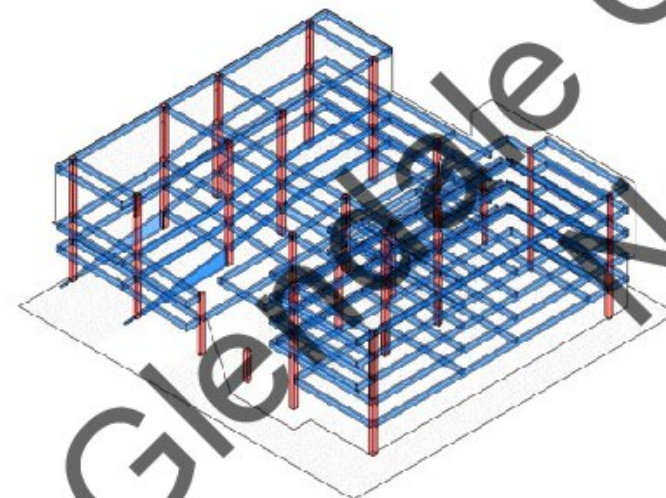
- PUBLIC
- SEMI-PRIVATE
- PRIVATE
- PUBLIC



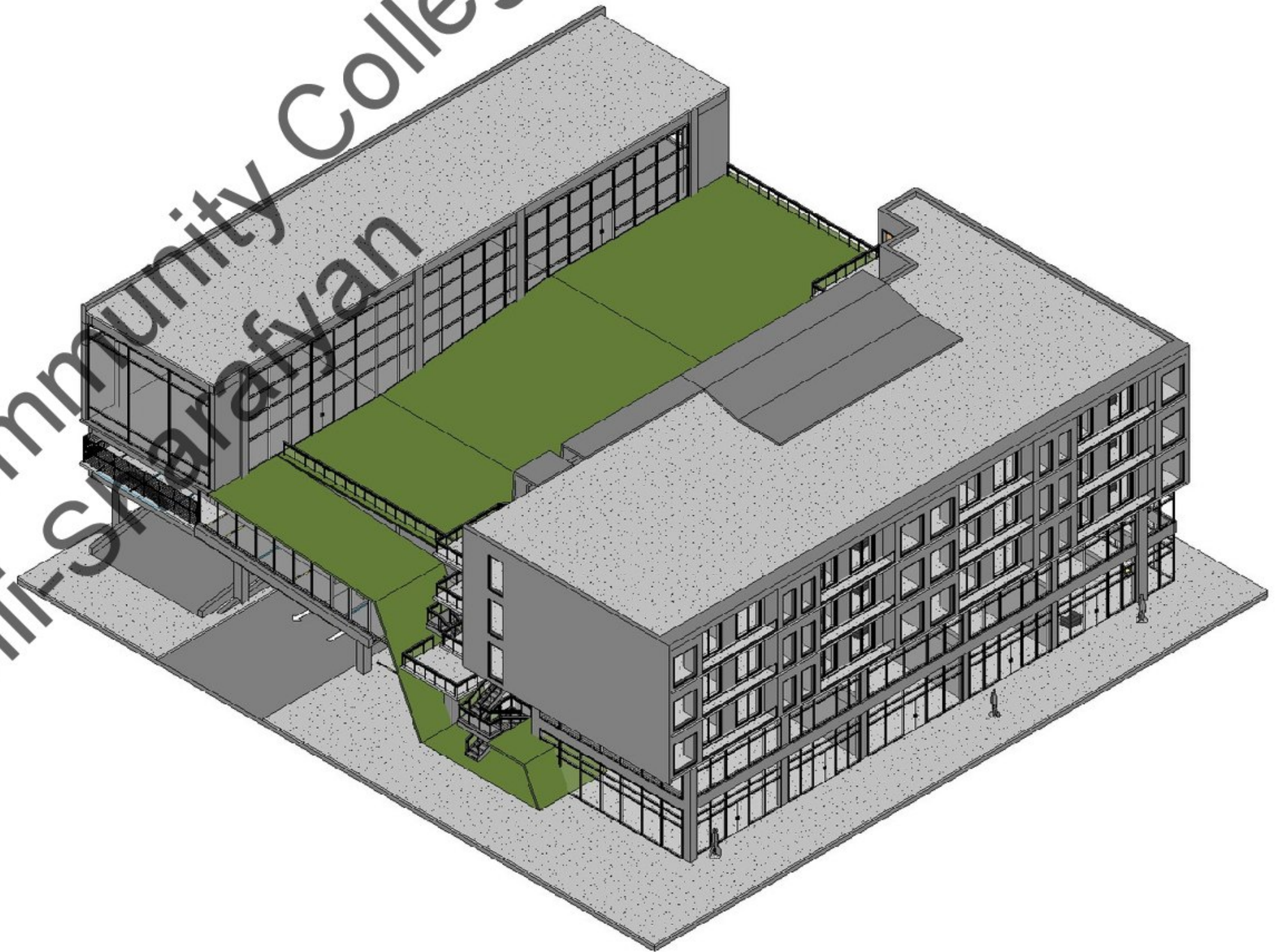
- VERTICAL CIRCULATION - RAMP AND STAIRCASE
- HORIZONTAL CIRCULATION



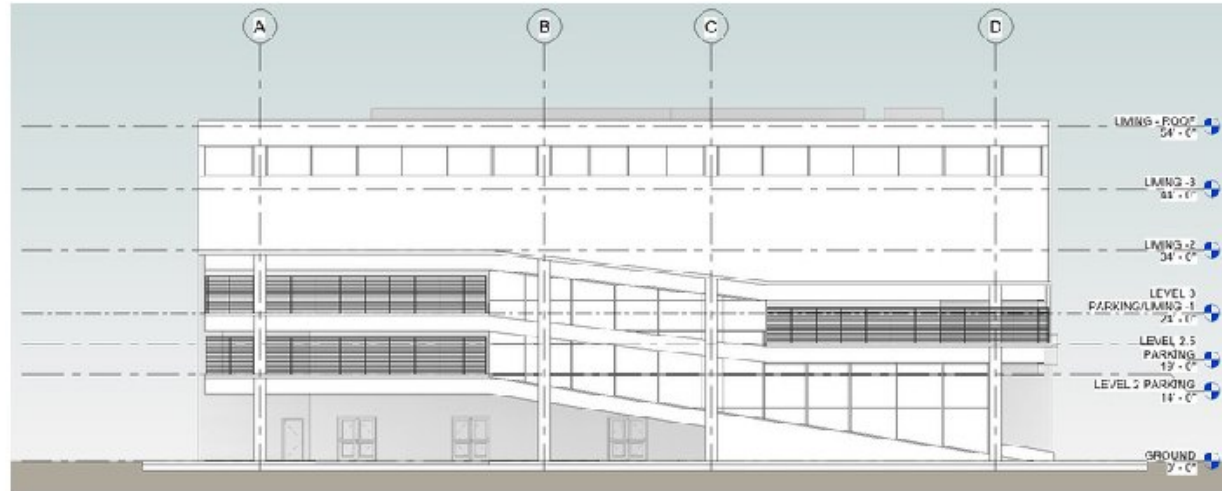
- OFFICE
- OPEN SPACE
- RESIDENTIAL
- RETAIL



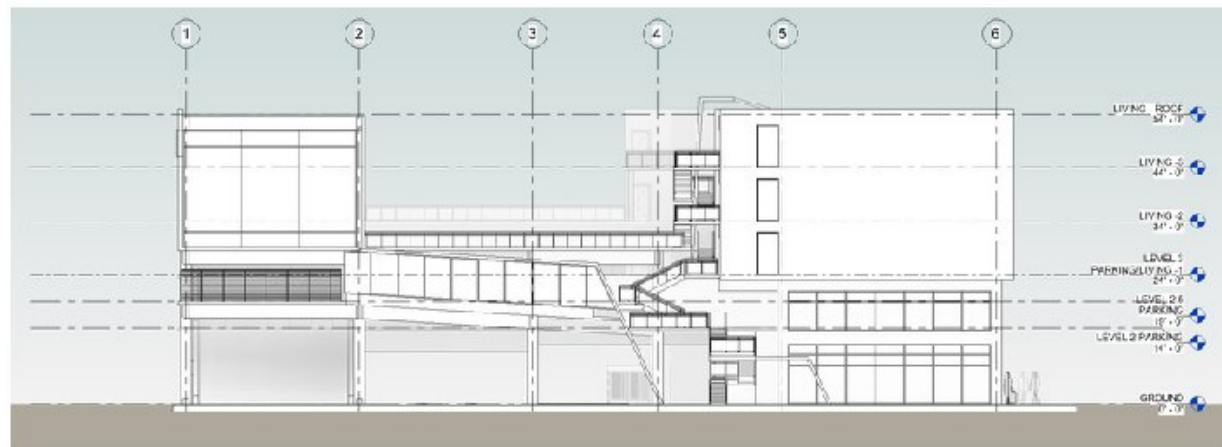
- VERTICAL STRUCTURAL SUPPORT - COLUMNS
- HORIZONTAL STRUCTURAL SUPPORT - BEAMS



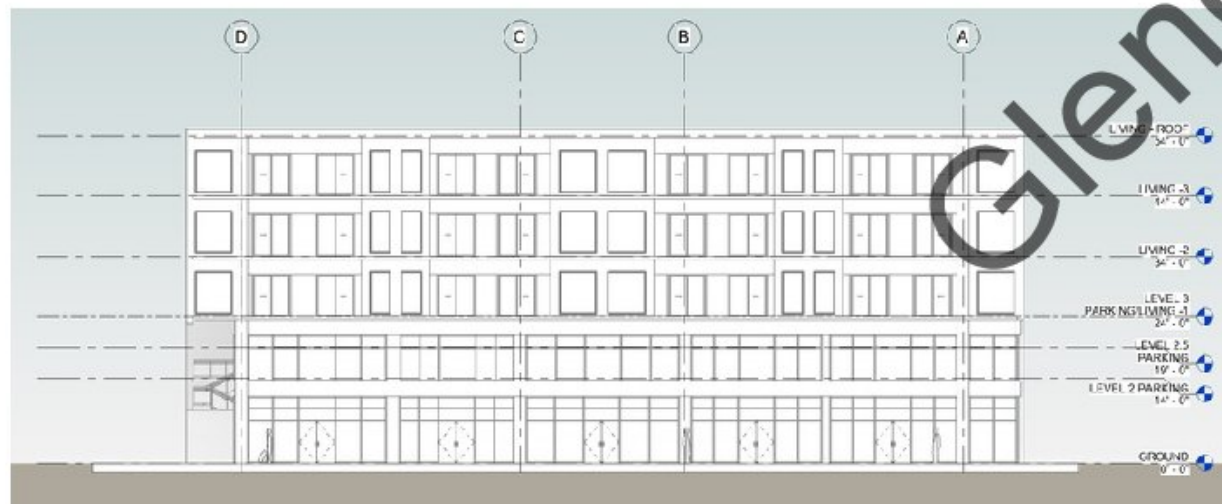
Floor Plans and Elevations



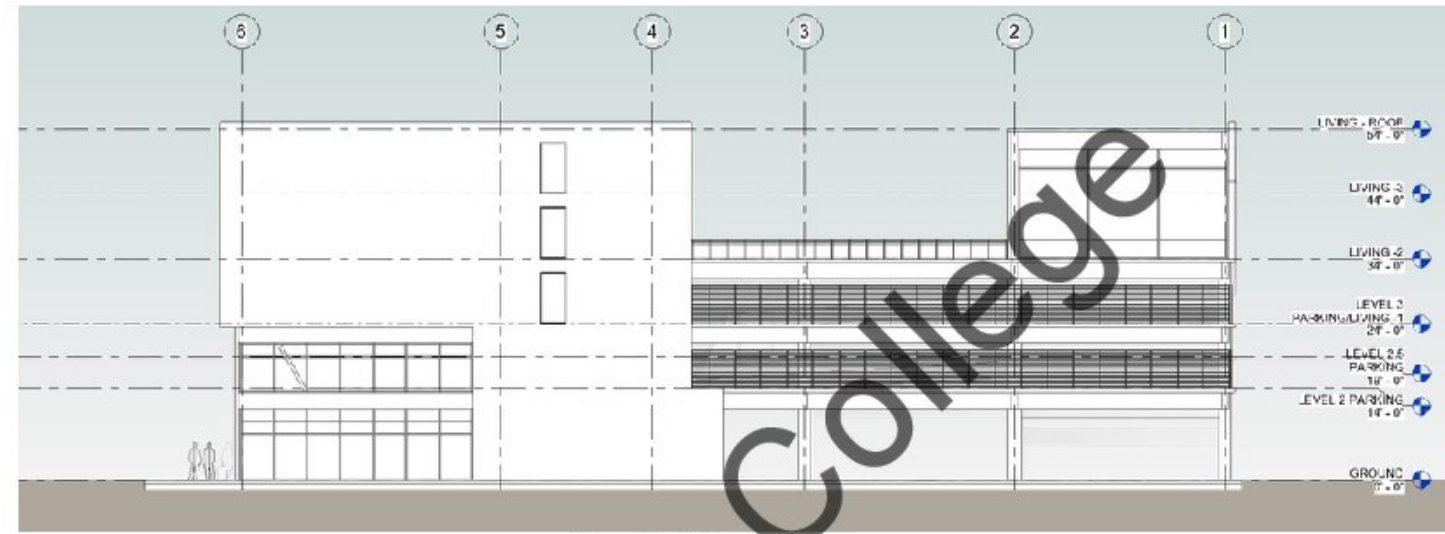
West Elevation



South Elevation



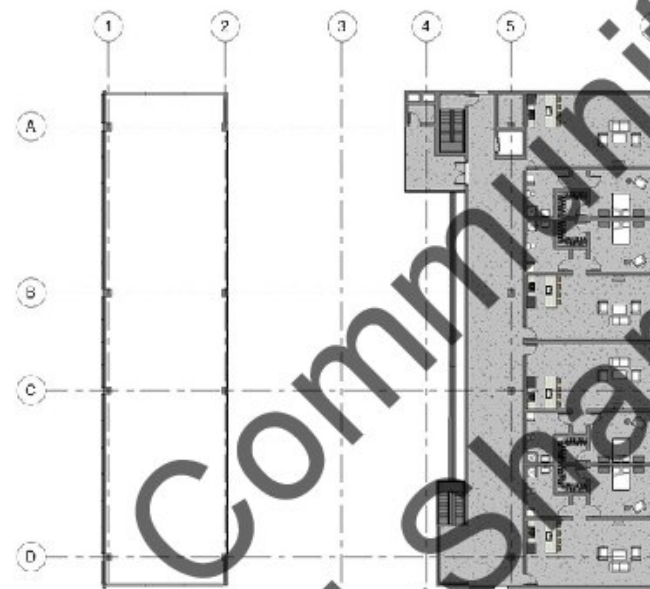
East Elevation



North Elevation



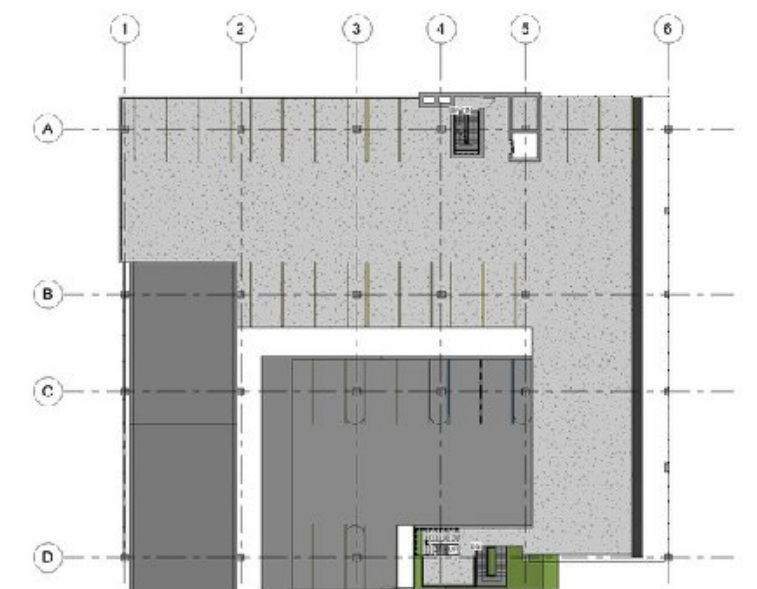
Ground Level



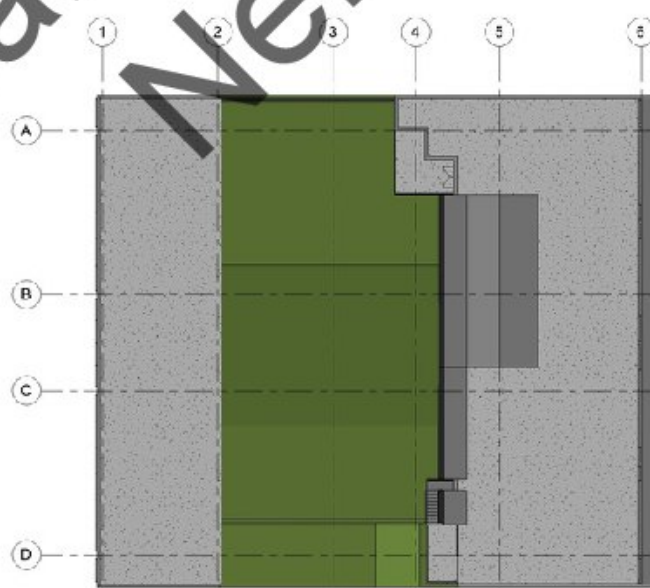
Living - 3



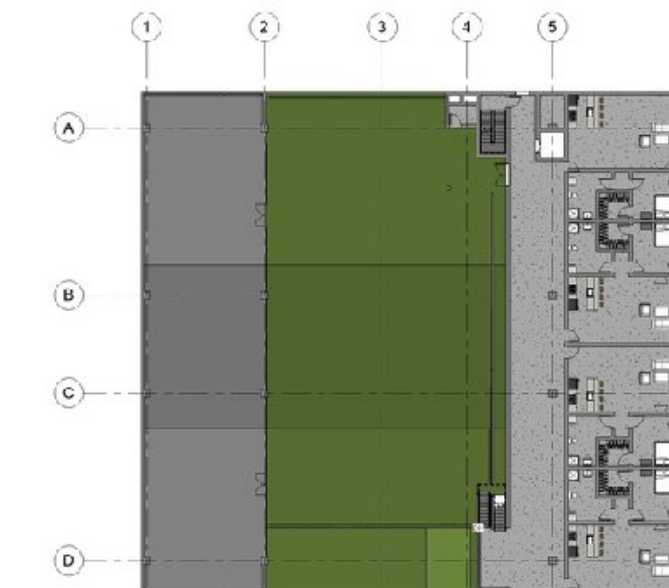
Level 3 Parking/Living - 1



Level 2 Parking



Site



Living - 2



Level 2.5 Parking

05 - Little Tokyo Site Commercial Development

In progress...

Project Description

Students are asked to design and proposed a brand new commercial mixed -use building. The area of the site is 36,346 sq ft. or 0.8 acre of land since 1 acre = 43,560 sq ft.





06 - Revit Renderings



Glendale Community College

Thank You

Nelli Sharafyan