

PORTFOLIO

GLENDALE COMMUNITY COLLEGE
ORBEL MANGASAR
2013-2014

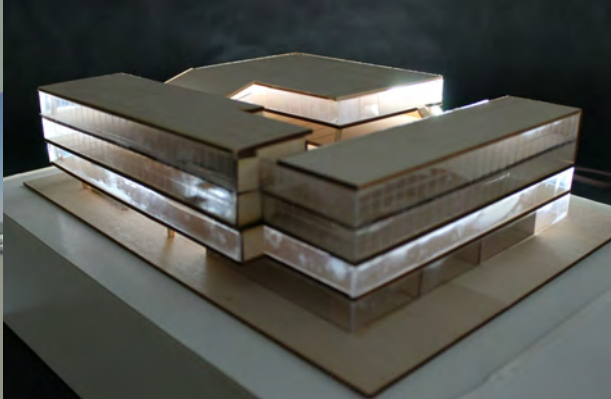
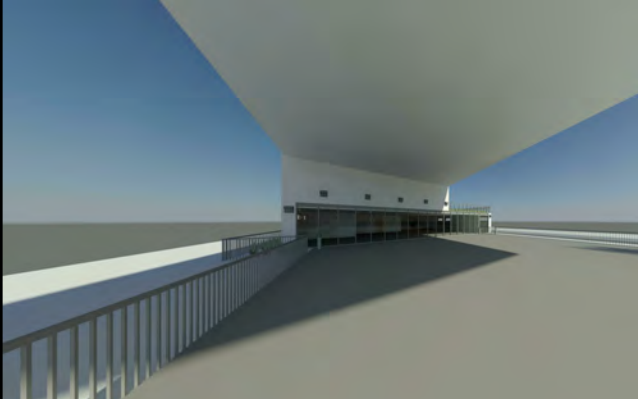
Orbel Mangasar
Glendale Community College



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Orbel Mangasar
Glendale Community College, CA



Concept of the building:

The idea of the house was an open area which I created my design and house of a floating open area on third floor.

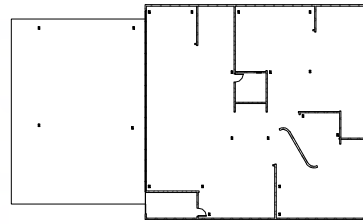
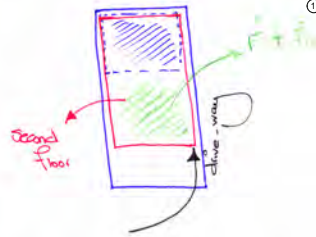
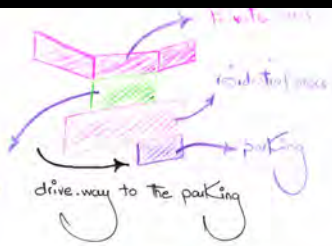
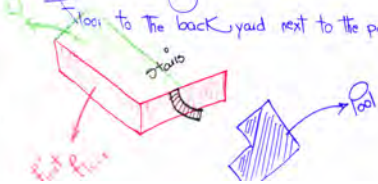
* You start looking at the house from North side which is all windows and there is two hanging on top which is the open area.

* After walking to the main door there is the drive way next to the building which goes to the underground and first level.

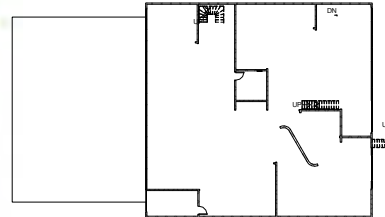
* Going to second floor

I designed this balcony open area which is a great view for the whole building and even a

stair case which goes from second floor to the back yard next to the pool.

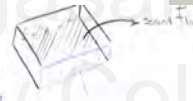


① STRUCTURE DIAGRAM
1" = 20'-0"



② CIRCULATION DIAGRAM
1" = 20'-0"

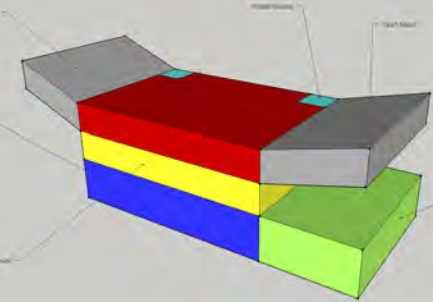
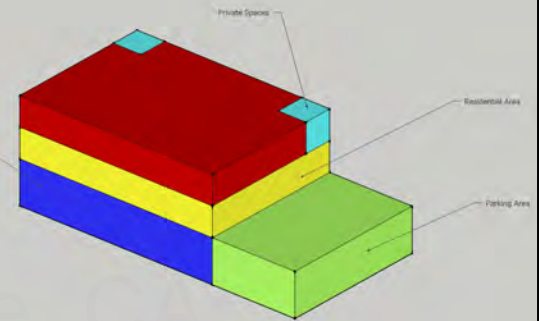
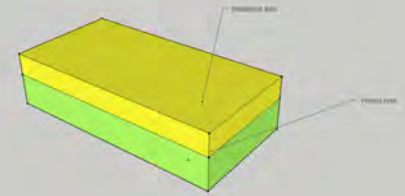
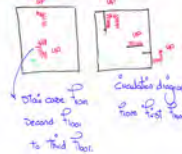
* Second floor concept was the idea of putting one side windows only. The other three sides are walls with windows.



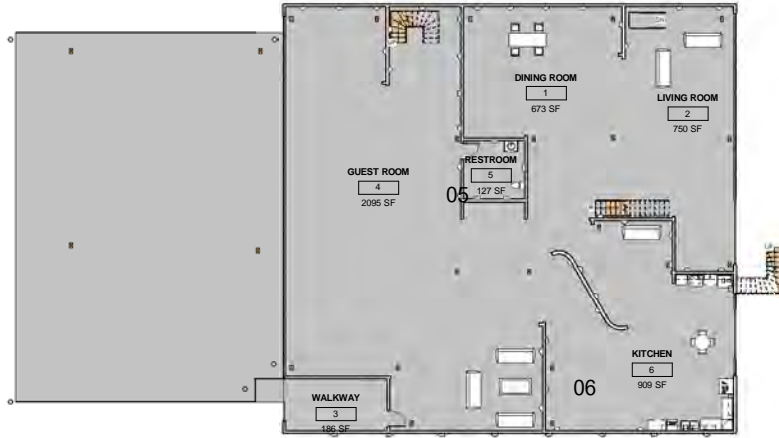
* Third floor idea was just a simple square shape with two main stairs on the sides. One short one long.



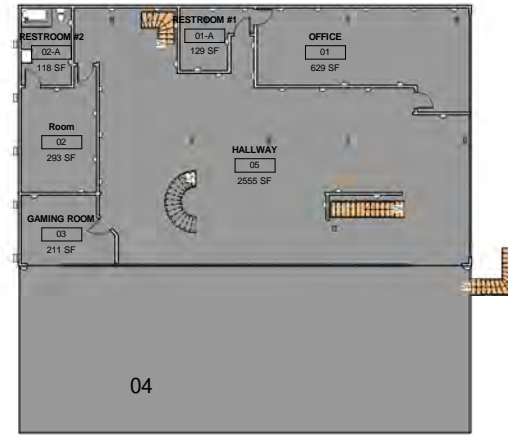
* These two open areas was made because it could give a perfect selection of the view to the third floor.



PARTI DIAGRAMS



① First Floor
1" = 10'-0"



② Second Floor
1" = 10'-0"

01- DINING ROOM

02- LIVING ROOM

03-WALKWAY

04-GUEST ROOM

05-RESTROOM

06-KITCHEN

01- OFFICE

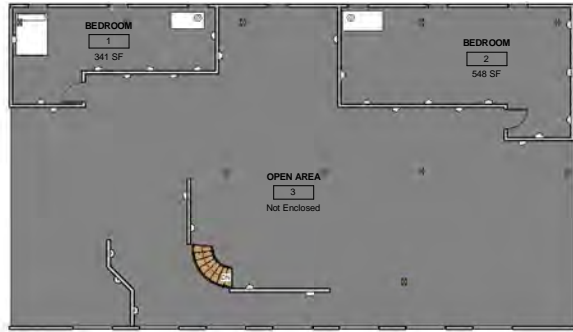
02- MOVIE ROOM

03- GAMING ROOM

04- BALCONY *OPEN SPACE AREA*

05- HALLWAY

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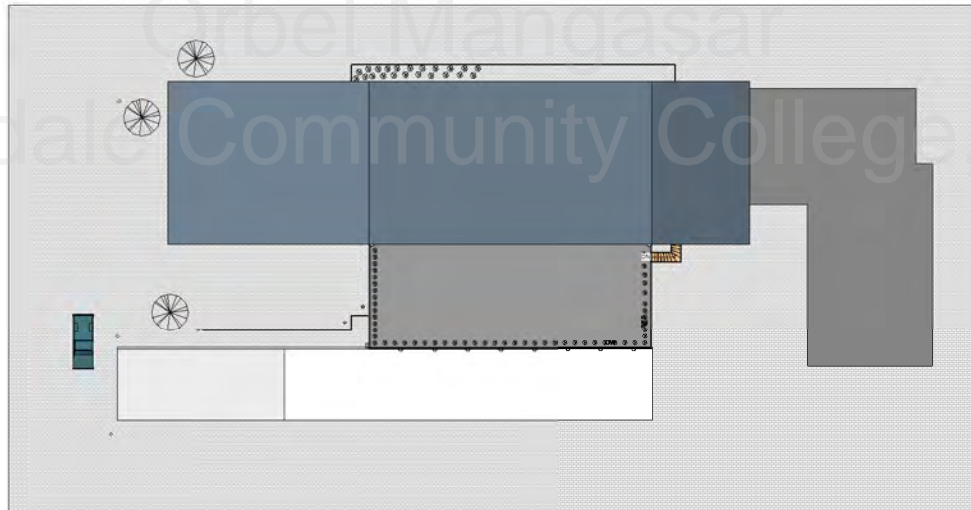
① Third Floor
1/8" = 1'-0"



② Roof Plan
3/32" = 1'-0"

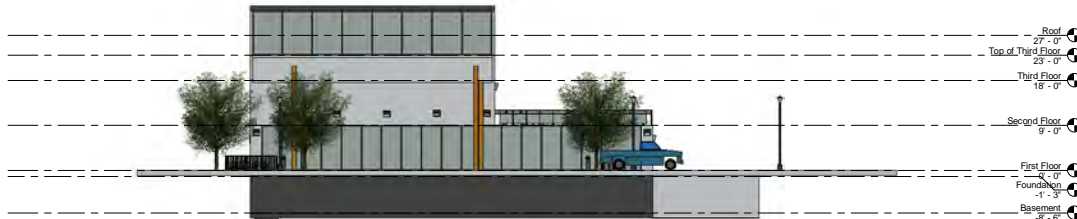
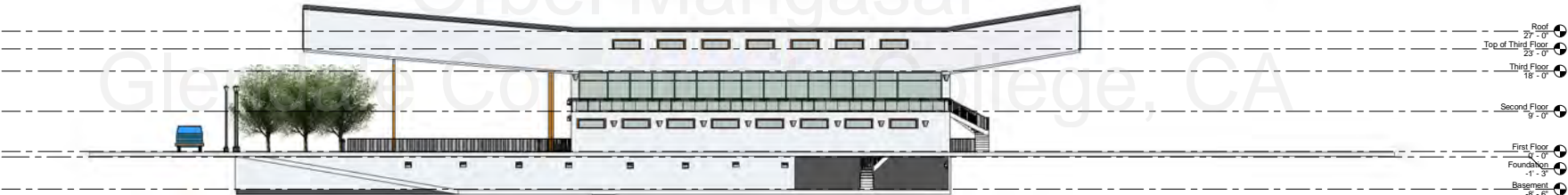
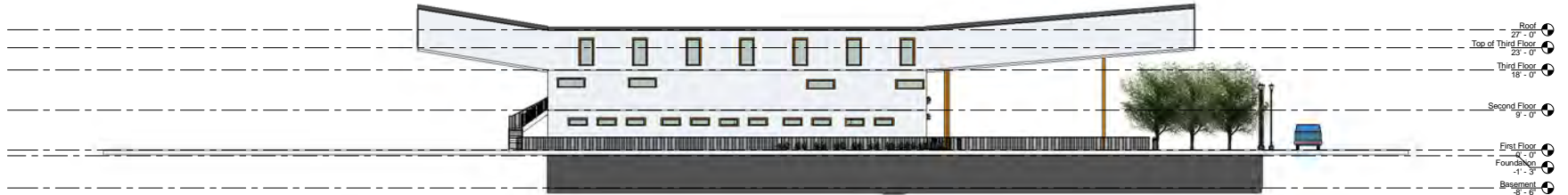
01- BEDROOM

02-BEDROOM



③ Site Plan
1/16" = 1'-0"

ELEVATION VIEWS





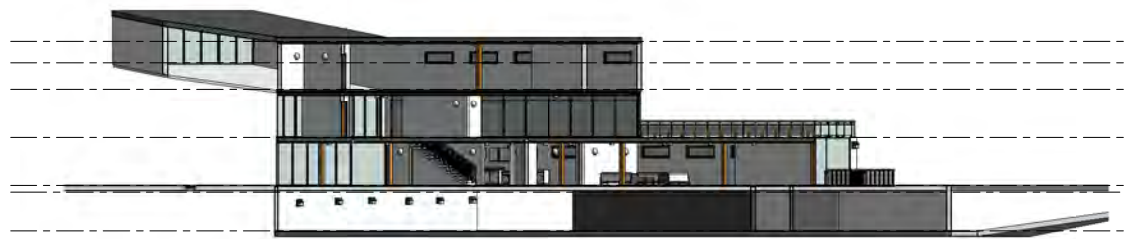
Section 1
3/8" = 1'-0"

- Roof 27'-0"
- Top of Third Floor 23'-0"
- Third Floor 18'-0"
- Second Floor 9'-0"
- First Floor 0'-0"
- Foundation -1'-3"
- Basement -6'-6"



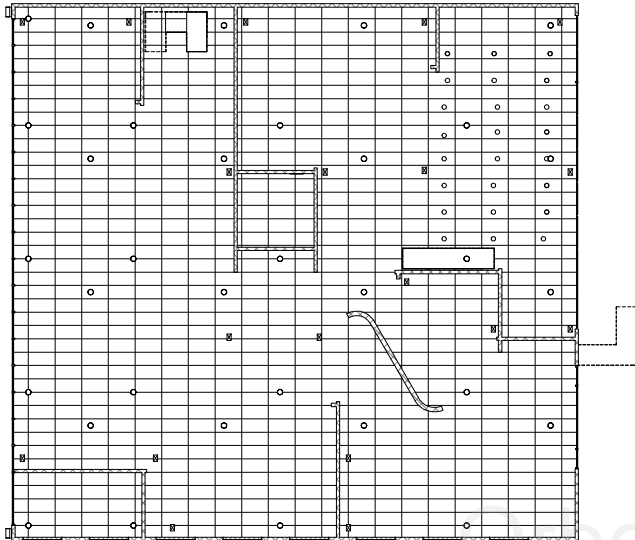
Section 2
1" = 10'-0"

- Roof 27'-0"
- Top of Third Floor 23'-0"
- Third Floor 18'-0"
- Second Floor 9'-0"
- First Floor 0'-0"
- Foundation -1'-3"
- Basement -6'-6"

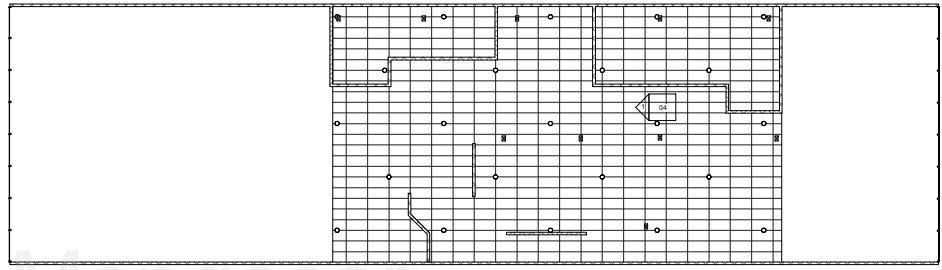


Section 3
1" = 10'-0"

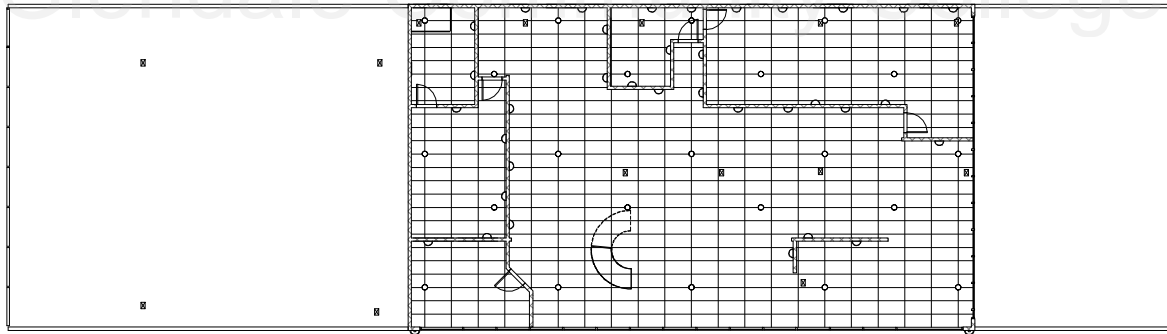
- Roof 27'-0"
- Top of Third Floor 23'-0"
- Third Floor 18'-0"
- Second Floor 9'-0"
- First Floor 0'-0"
- Foundation -1'-3"
- Basement -6'-6"



② First Floor
1/8" = 1'-0"



③ Third Floor
1" = 10'-0"

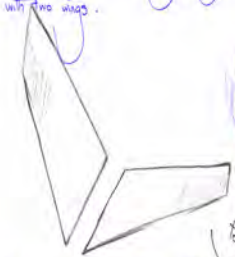
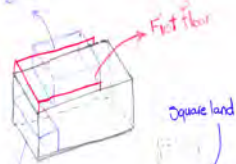


① Second Floor
1/8" = 1'-0"



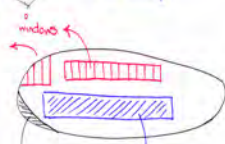
"Pilot house"

I was supposed to design a base for a pilot. The pilot is all spending time and working on airplanes. There are many windows and straight body with two wings.

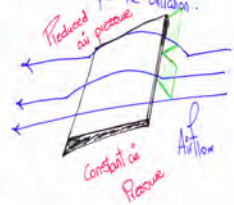


The basic concept of the roof came from the wings of the airplane.

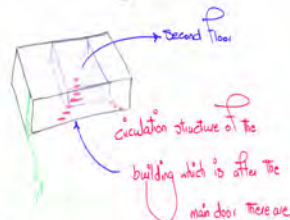
There might be questions about the roof when there is raining or snow and the answer is there is a technology which I created for the roof which helps the situation.



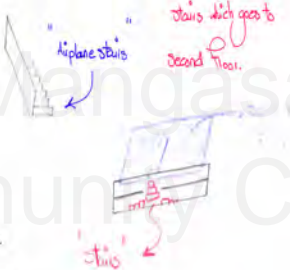
under the airplane I just came up with the idea of the parking.



Making the living room behind the parking and its concept was because the first level is the most important one and all the family room stuff are in these.



The idea of the stairs is same as the stairs for the airplanes. Stairs next to the windows on the second level same as airplanes.



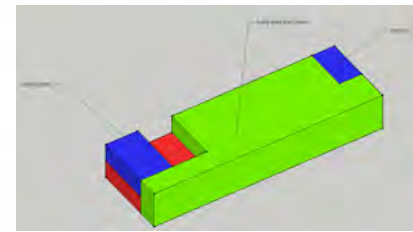
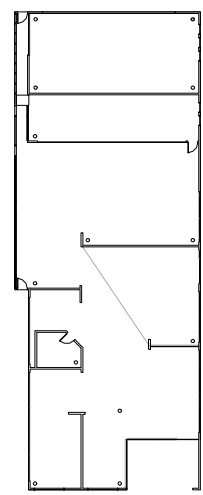
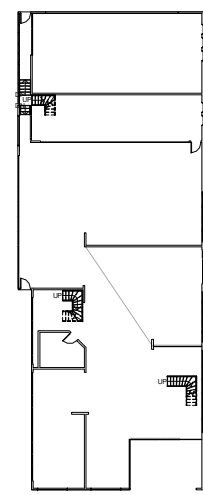
I designed the pool at the back of the house which gives the both views and complete from two levels because of the one balcony and windows at the end of the building.



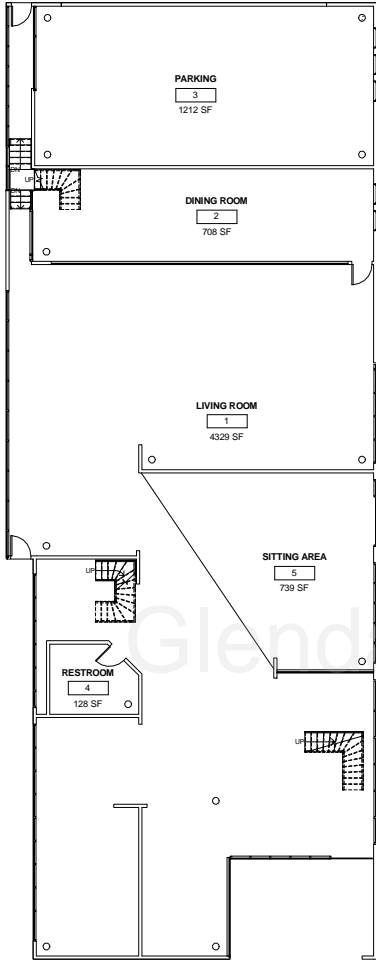
PARTI DIAGRAM

② CIRCULATION DIAGRAM
1/16" = 1'-0"

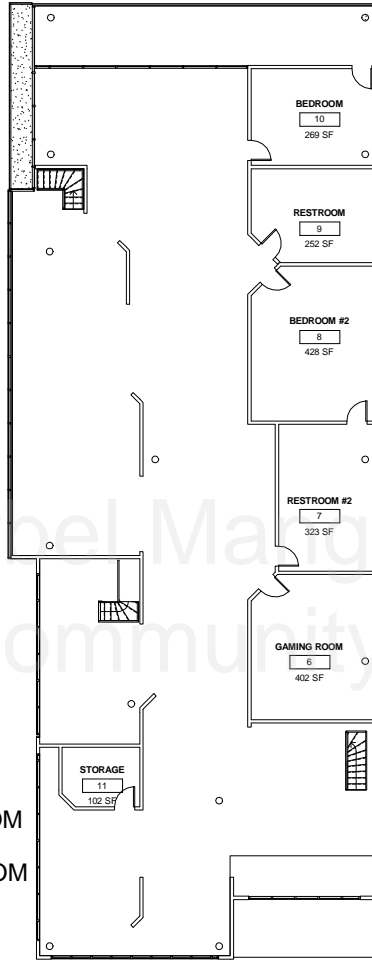
① STRUCTURE DIAGRAM
1/16" = 1'-0"



①



- 01- LIVING ROOM
- 02- DINING ROOM
- 03- PARKING
- 04- RESTROOM
- 05- SITTING AREA



- 06- GAMING ROOM
- 07-RESTROOM #2
- 08- BEDROOM #2
- 09- RESTROOM #1
- 10- BEDROOM #1
- 11- STORAGE



1 FIRST FLOOR
1/8" = 1'-0"

2 SECOND FLOOR
1/8" = 1'-0"

3 Roof Plan
1/8" = 1'-0"

TWO STORY RESIDENTIAL PROJECT

708 E. PALMER AVENUE - GLENDALE, CA



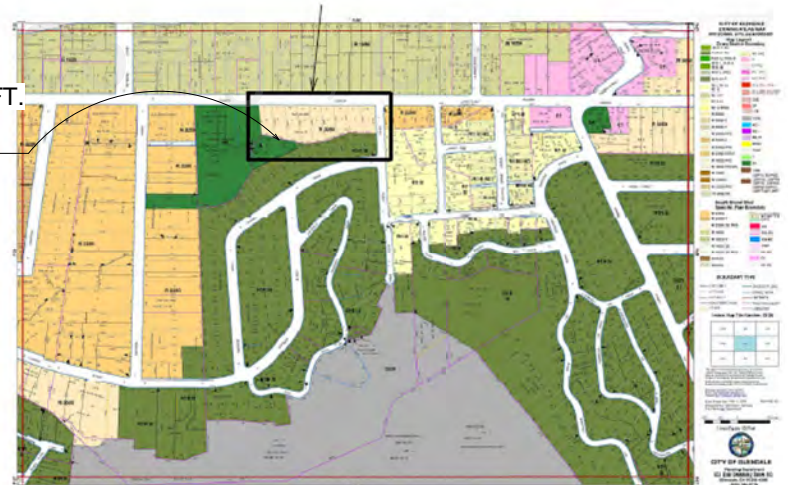
① SITE PLAN VIEW
1/16" = 1'-0"

N

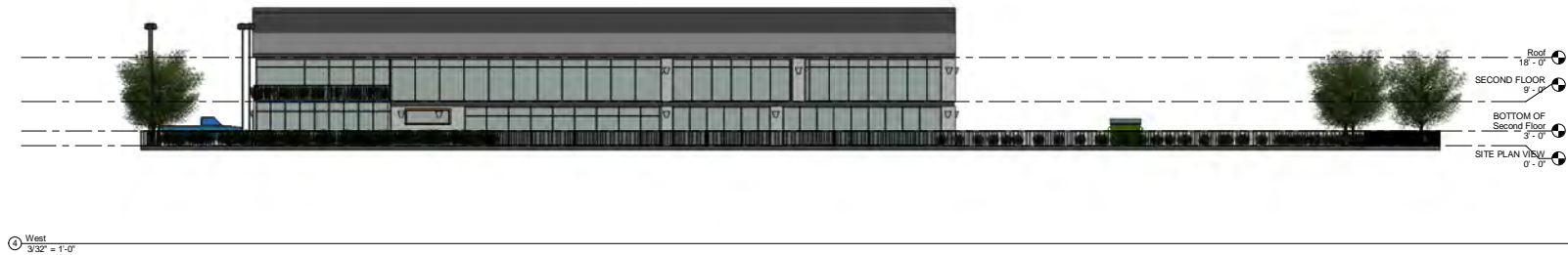


I JUST STUDIED THE SITE AND THE LOCATION OF THE LAND BASED ON GEGRAPHICAL ASPECTS WHICH I COULD CREATE THE HOUSE.

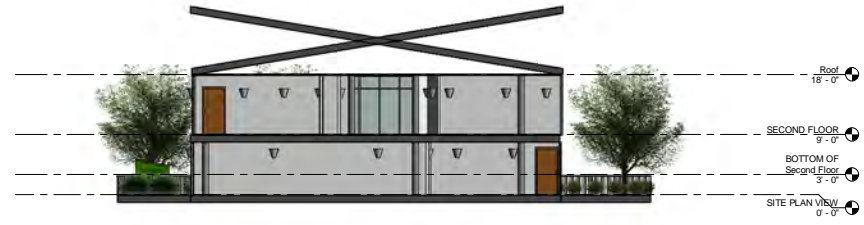
THE AREA OF THE HOUSE THAT I AM DESIGNING IS 9082 SQ.FT BUT AFTER FOLLOWING THE CITY CODES AND STUDYING THE LOCATION OF THE HOUSE WITH 8' SETBACK FROM EACH SIDE AND 25' SETBACK FROM THE FRONT THERE IS ONLY 3486 SQ.FT. LEFT WHICH IS THE ACTUAL AREA THAT I CAN DESIGN MY HOUSE ON IT.



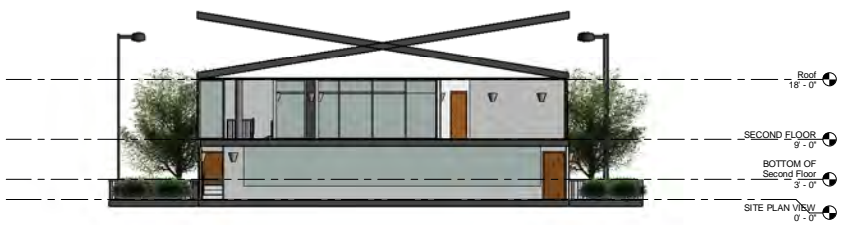
TWO STORY RESIDENTIAL PROJECT



TWO STORY RESIDENTIAL PROJECT



① Section 1
1/8" = 1'-0"



② Section 2
1/8" = 1'-0"



③ Section 3
3/32" = 1'-0"



④ Section 4
3/32" = 1'-0"

TWO STORY RESIDENTIAL PROJECT



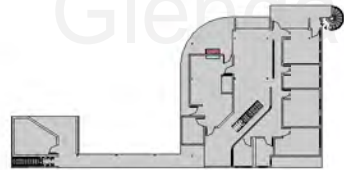
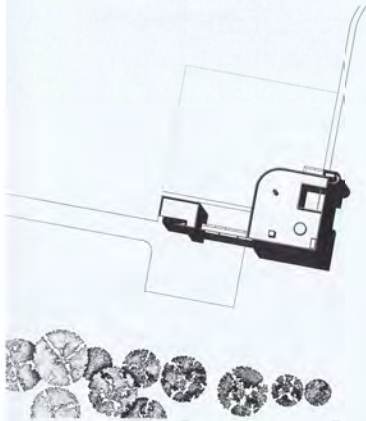
TWO STORY RESIDENTIAL PROJECT

Saltzman House

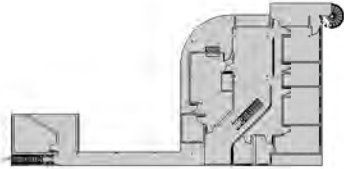
East Hampton, New York
1967-1969

Slightly inland from the Atlantic Ocean on three acres of flat land near the tip of Long Island, the site for the Saltzman House has few distinguishing characteristics—a windmill by the shore, an adjoining potato field, and the shoreline itself, which is not visible at ground level. The parallel relationship between the front edge of the property and the shoreline determined the siting of the house, which is elevated to permit views of the sea and along the open coast to Montauk Point. From a distance, the cubic composition appears to flatten into a two-dimensional shape against the background of land and sky.

As in the Smith House, the organization of the plan is based on a programmatic separation of public and private areas. Here, however, the two zones interpenetrate to a greater degree. The public space opens up like a funnel in plan as the building rises, so that the integrity of the closed private zone, located along two adjacent sides of the cubic volume of the house, is partially eroded on the second level, and disappears entirely on the third. The view to the ocean is dramatically revealed as one moves upward.



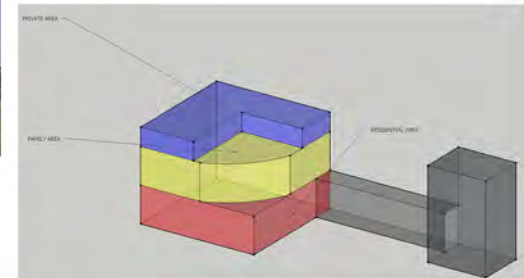
① STRUCTURE PLAN
1" = 20'-0"

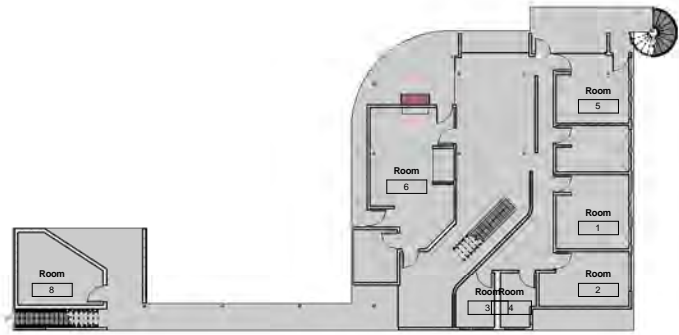


② CIRCULATION PLAN
1" = 20'-0"

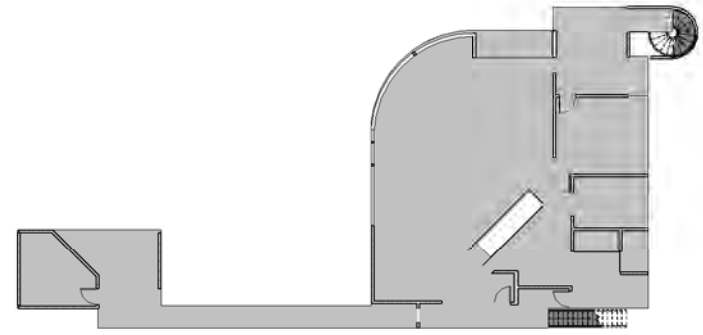


For better or worse, this house sparked a new type of “summer house” in the Hamptons which seems to have multiplied all over the eastern Long Island horizon. In retrospect, the issue seems to be less one of style than of how congenially buildings in an open landscape relate to their sites.

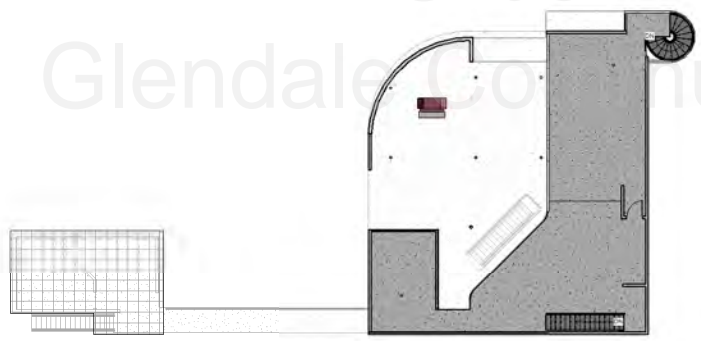




Level 1
1" = 10'-0"

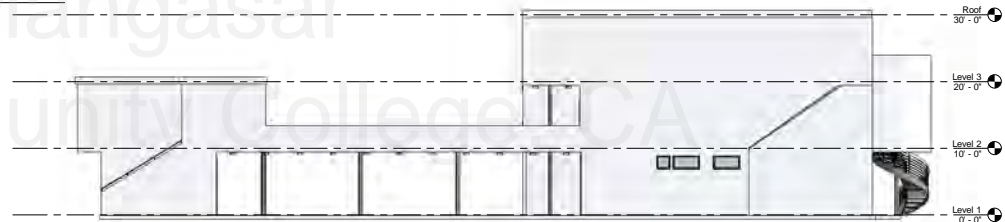
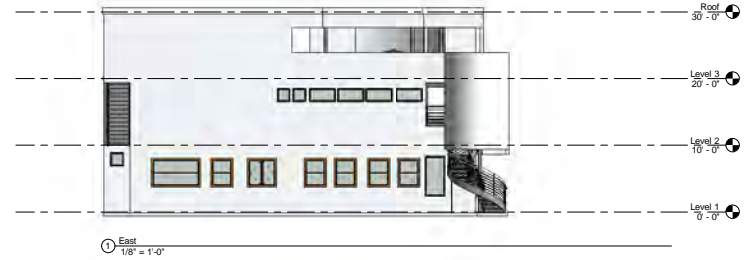


Level 2
1" = 10'-0"



Level 3
1" = 10'-0"

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Glendale Community College, CA





① Section 1
1/8" = 1'-0"



③ Section 3
1/8" = 1'-0"



⑤ Section 2
1/8" = 1'-0"



② Section 5
1/8" = 1'-0"



④ Section 4
1/8" = 1'-0"



MIX-RESIDENTIAL PROJECT

Built on a hillside lot, the house had a wood stud frame which was modified to permit a wider use of large glass areas. It was built at a cost of \$4 per square foot. The living room was furnished with Schindler's unit furniture, which could be assembled in a variety of combinations. Schindler felt that furniture should merge with the house, leaving the room free to express its form.



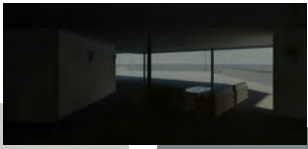
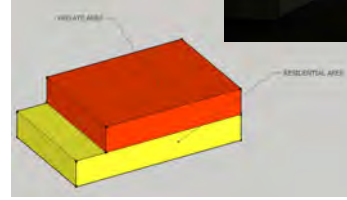
RESIDENCE: W. OLIVER · LOS ANGELES · CAL · R.M. SCHINDLER ARCHITECT

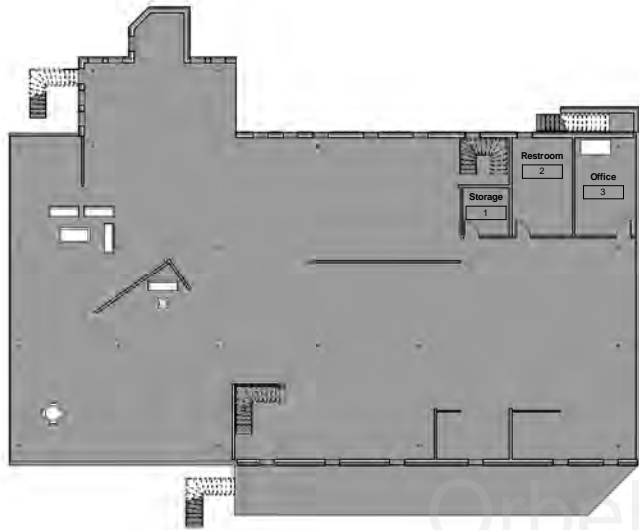
THIS WAS THE FIRST PROJECT THAT I WAS DOING FOR MY ARCHITECTURE CLASSES. THE HOUSE IS DESIGNED BY RUDOLF M. SCHINDLER IN 1934. ITS IN LOS ANGELES CALIFORNIA. THE BASIC CONCEPT OF THE BUILDING IS THAT ITS ON THE HILL.



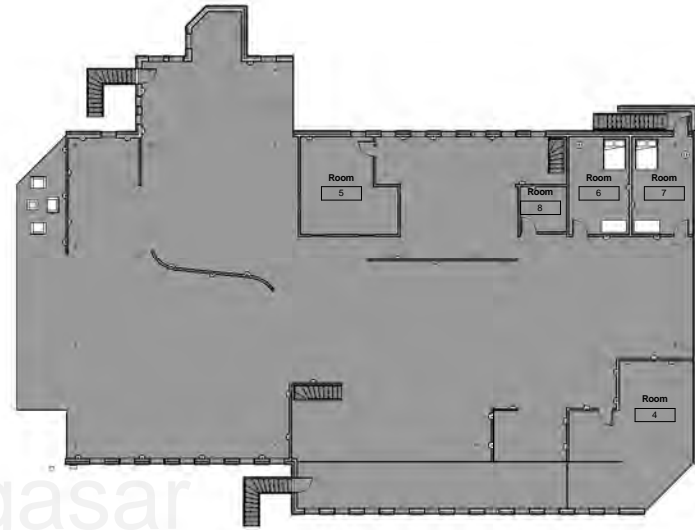
OLIVER, W. E.
Residence, 1931-1934
Los Angeles, California

FLOOR AREA: 1600 SQUARE FT.





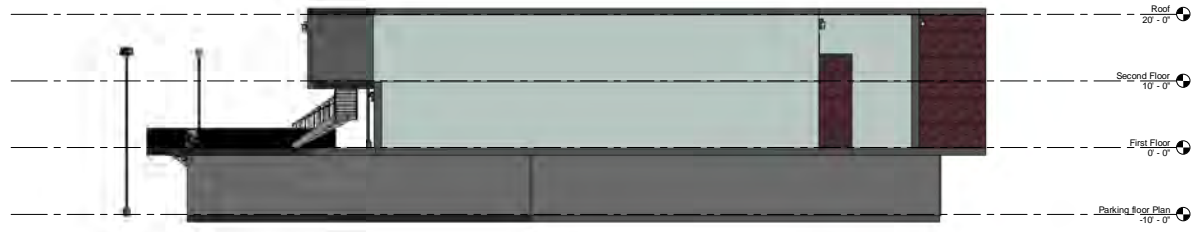
① First Floor
3/32" = 1'-0"



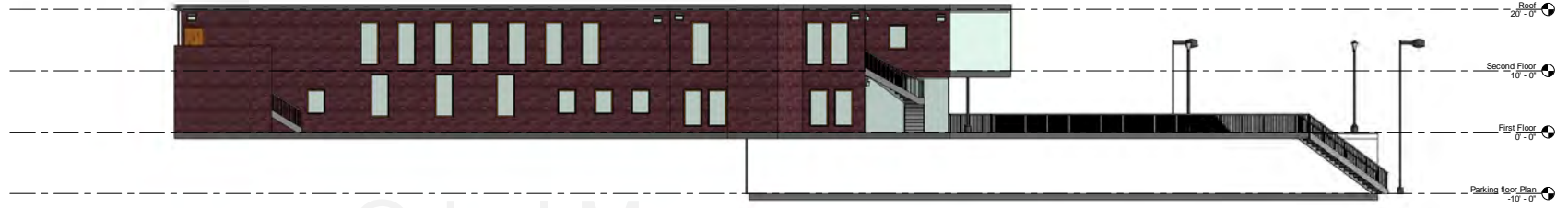
② Second Floor
3/32" = 1'-0"



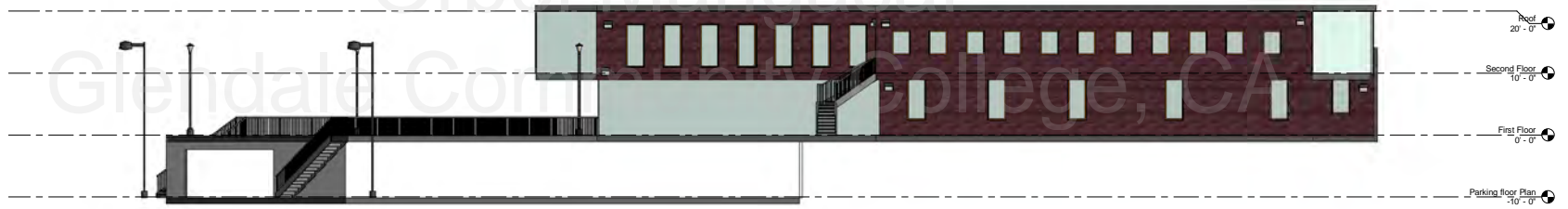
③ Roof
3/32" = 1'-0"



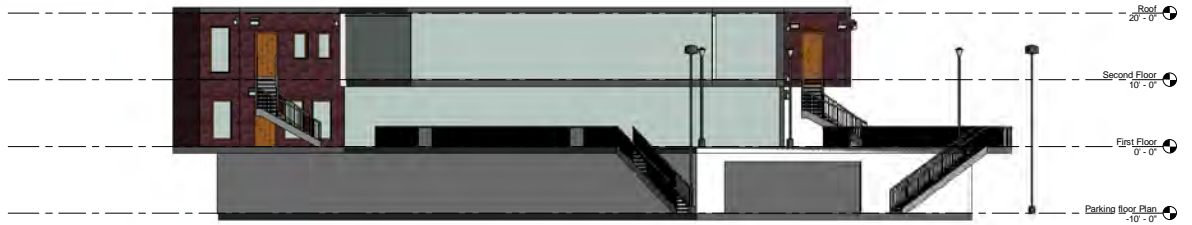
① East
1/8" = 1'-0"



② North
1/8" = 1'-0"



③ South
1/8" = 1'-0"



④ West
1/8" = 1'-0"



Section 1
1/8" = 1'-0"



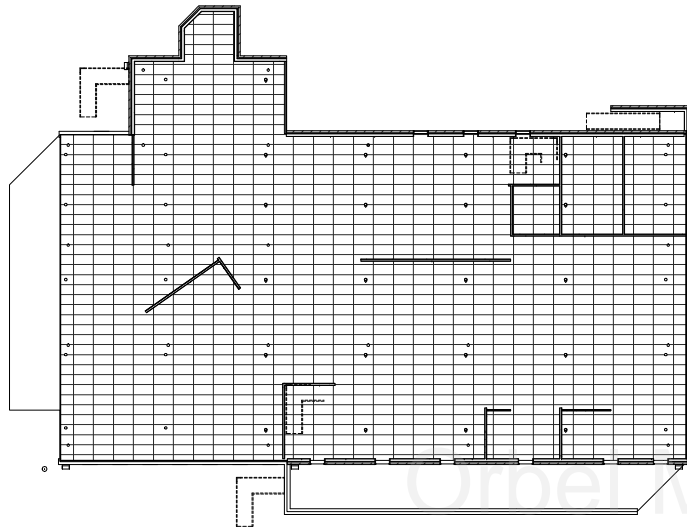
Section 2
1/8" = 1'-0"



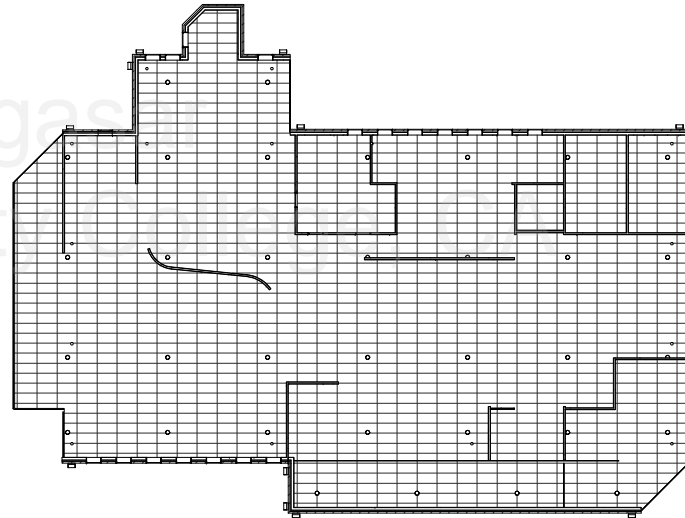
Section 3
3/32" = 1'-0"



Section 4
1/8" = 1'-0"



1 First Floor
3/32" = 1'-0"

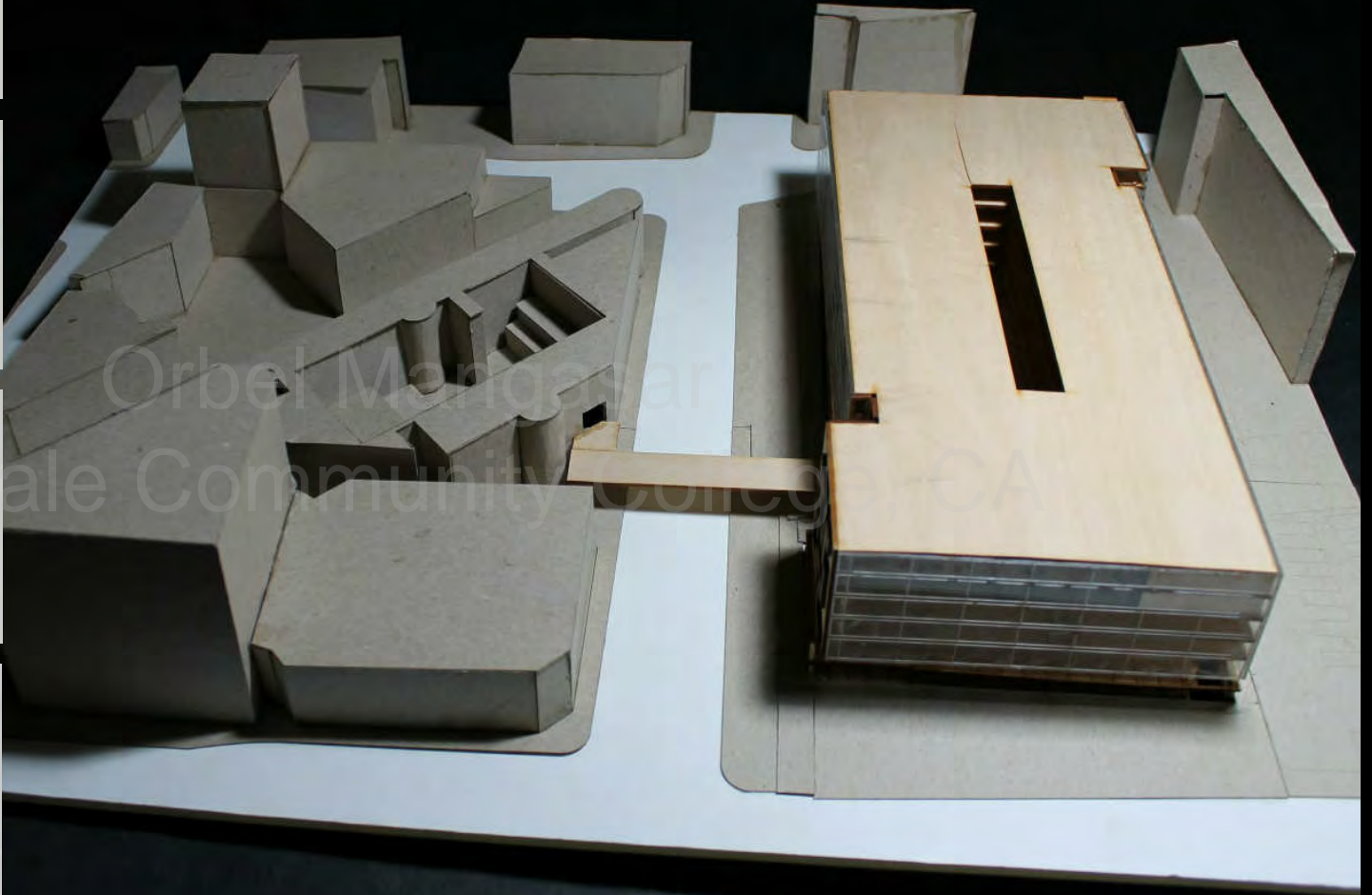
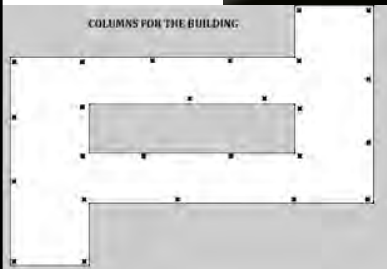
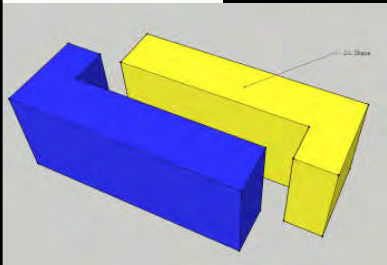
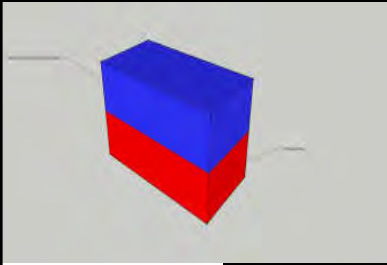


2 Second Floor
3/32" = 1'-0"



Orbel Mangasar
Clendale Community College, CA

LITTLE TOKYO COMMERCIAL RETAIL PLAZA PROJECT



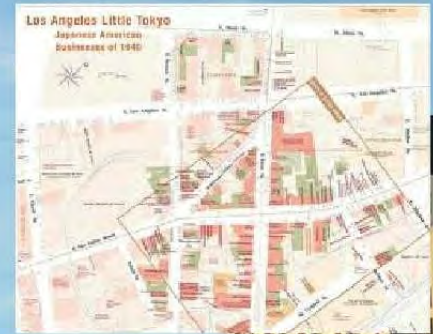
Location: 282 East 2nd Street, Los Angeles, CA

Little Tokyo is the smallest Downtown districts, but it packs a lot into just a few square blocks. The boundary starts on Temple Street to the north, Fourth Street to the south, Alameda Street to the east, and Main Street on the west. The historical hotspot is the First Street between San Pedro Street and Central Avenue, where 13 of Little Tokyo's original buildings remain.

Established in the 1880s, the neighborhood has weathered Japanese internment in World War II, a devastating city redevelopment plan that destroyed many of its historic structures starting in the 1970s, and changing demographics.

Perhaps the open-air Japanese Village Plaza and Weller Court, are the busiest shopping hub, with everything from a grocery store, to book store, to hotel.

Little Tokyo's cultural hither is the Japanese American National Museum, which divides its exhibits between old and new, as well as the Japanese American Cultural and Community Center, the Geffen Contemporary [MOCA] and a number of cutting edge theaters.



Concept:

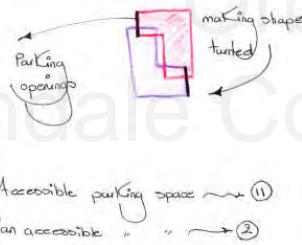
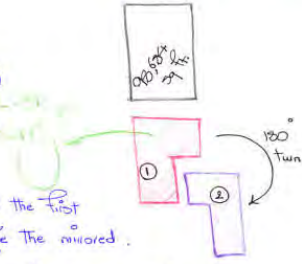
* The first step was reading the guide about the project. We were asked to design and proposed a brand new commercial mix-use high rise building with circulation or program connecting to a building (Weller Court) across 2nd street. The area of the site that we could design was 93,624 sq ft. of land.

* I came up with the idea of making the building like a rectangular but kind of more complicated than a simple shape.

I started with the "L" word and the first step was to rotate one of the sides to make the mirrored.

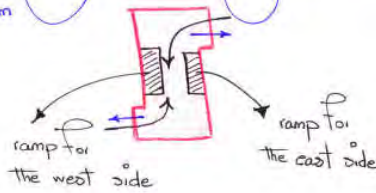
After that I thought about the openings to the building which could be for cars and it was the small part at the top of the "L" word.

* Parking part was the most challenging part that we were supposed to make 524 spaces within no more than four levels of parking.



For the parking part I designed the parking from both ending parts. Getting in and out of parking was from both sides.

* Length of parking ramp couldn't be more than 26.6'

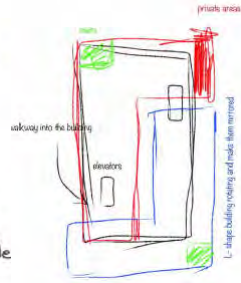
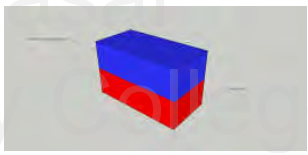
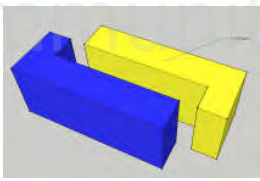
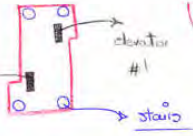
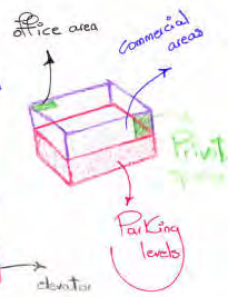


Program Requirements:

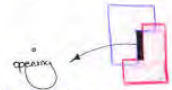
Restaurants and Food courts
* 3 major restaurants at 5,000 sq ft. each

I designed two retail stores at first level which have the walking in close to the main building. The whole building has two elevators which go through 6 levels. There are four stair cases on each side of the building.

From level two I started to design shops and restaurants next to fast food courts. I designed some of them with same measurements and some of them with different ones.

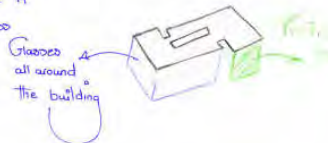


The other idea or concept of my building was to make its own reflection as good as possible. I wanted to make an opening from the roof through the parking. I made this rectangular shape on top of the roof.



The other idea for the sun was making the whole building or most of it covered with glass.

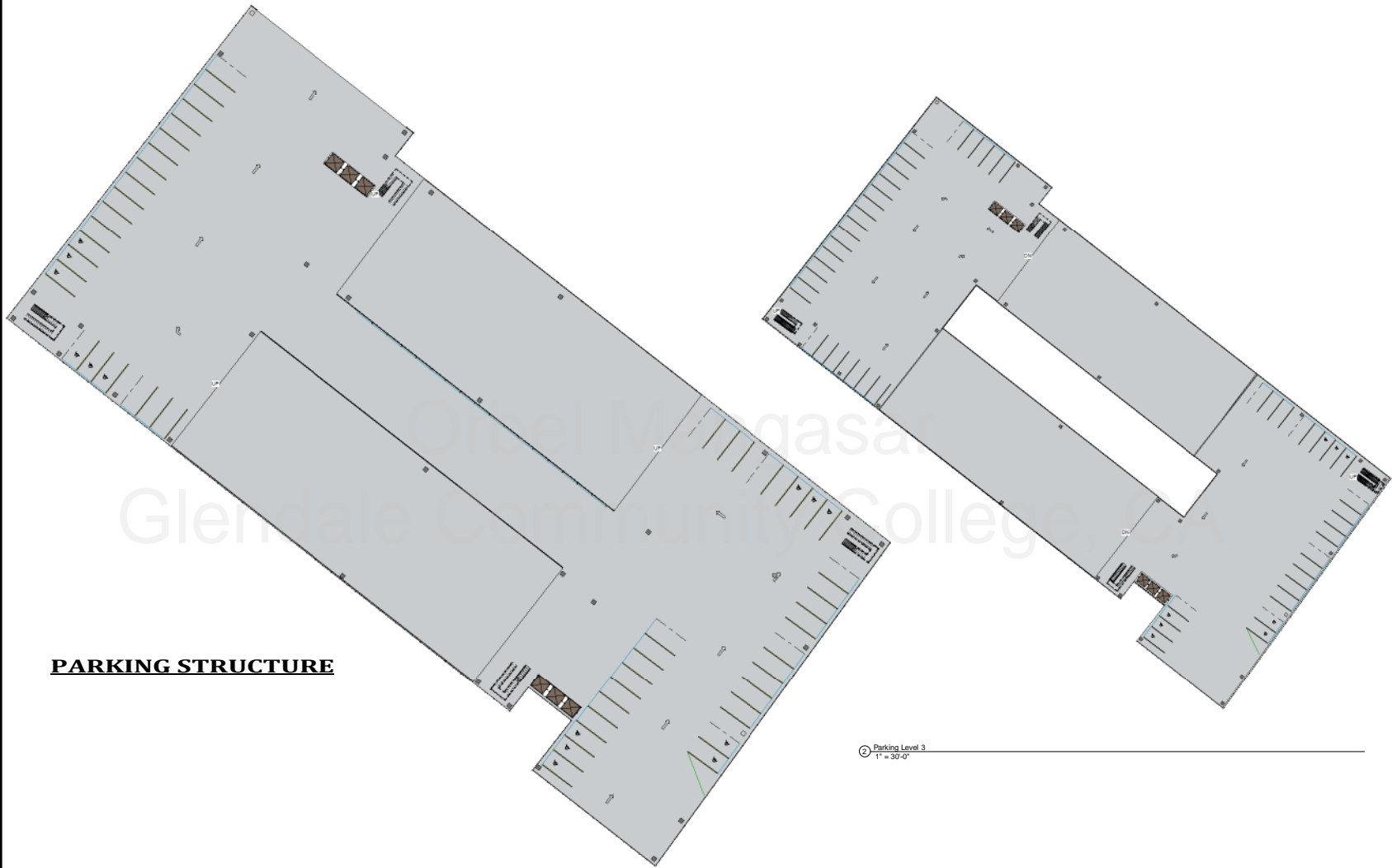
* I made the restrooms next to elevators and stair that it would be easier to access from any part of a area of the building.



I designed the top of the roof a restaurant and more important the opening that is covered with glassed which people have access to the roof. "from the stairs"



For the outdoor area that I could use for my building I used the whole roof as an open area which people can walk and have a perfect view from the roof to the downtown Los Angeles area.



PARKING STRUCTURE

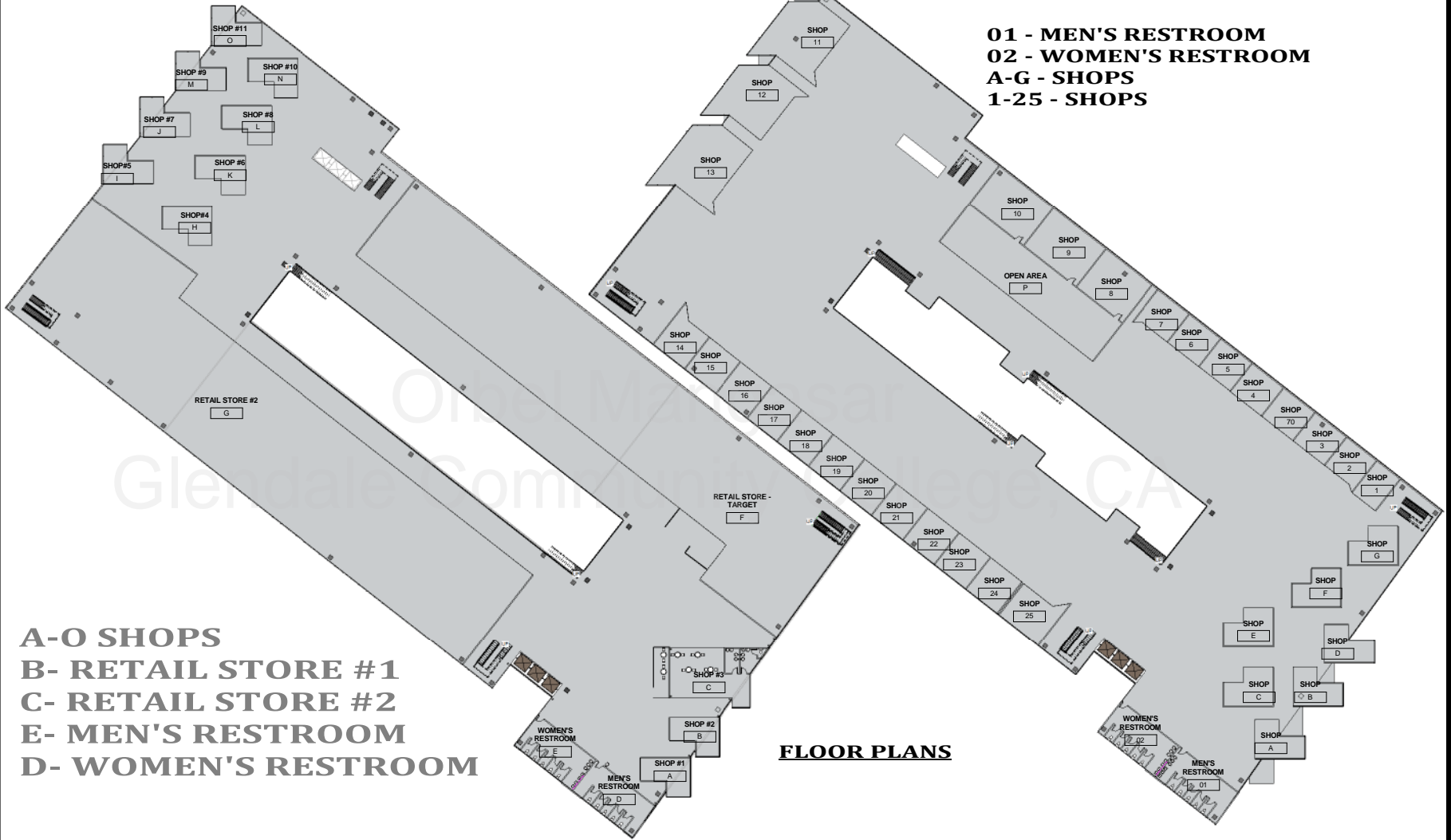
① Parking Level 0
3/16" = 1'-0"

② Parking Level 3
1" = 30'-0"

① First Main Floor
3/64" = 1'-0"

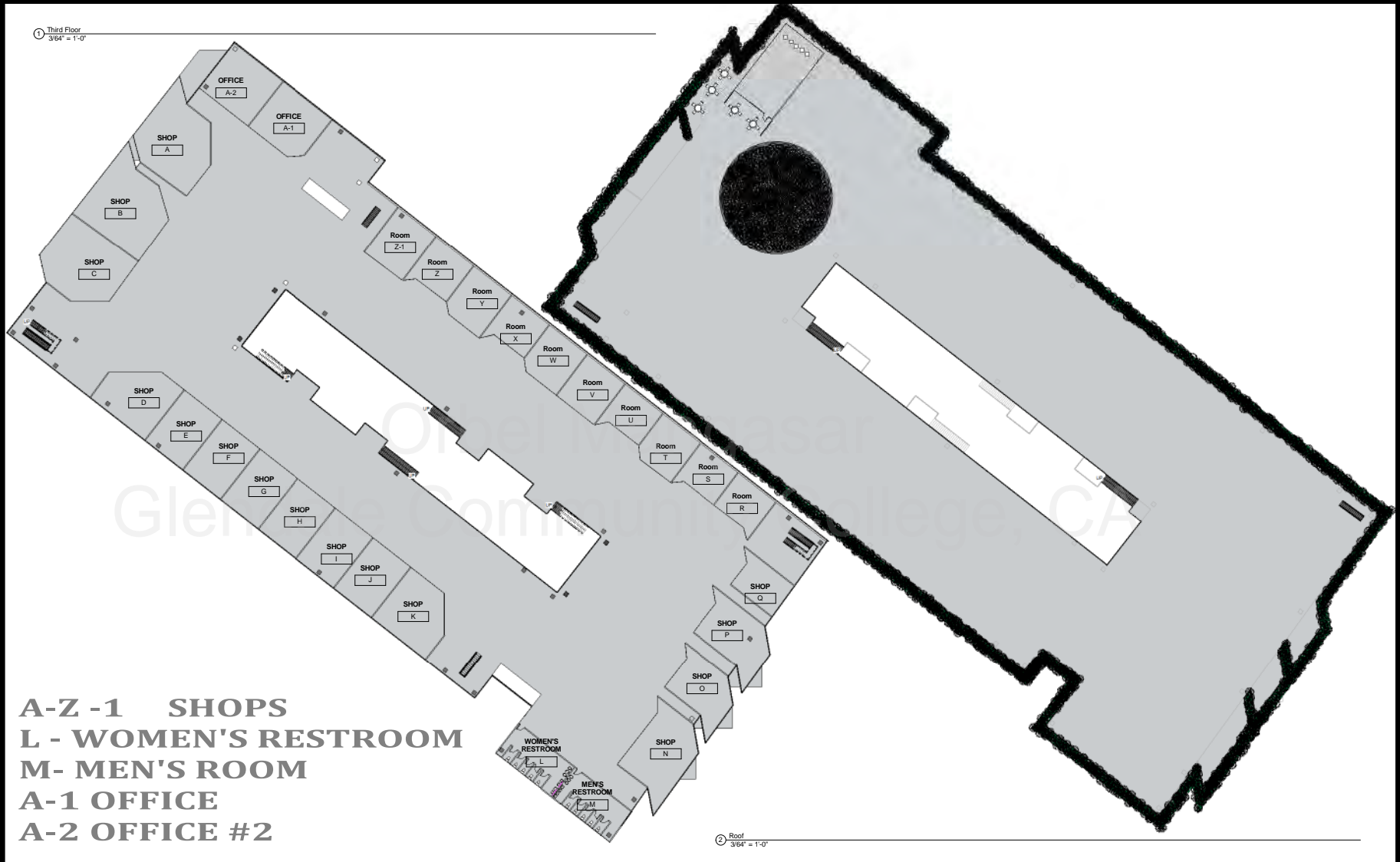
② Second Floor
3/64" = 1'-0"

01 - MEN'S RESTROOM
02 - WOMEN'S RESTROOM
A-G - SHOPS
1-25 - SHOPS



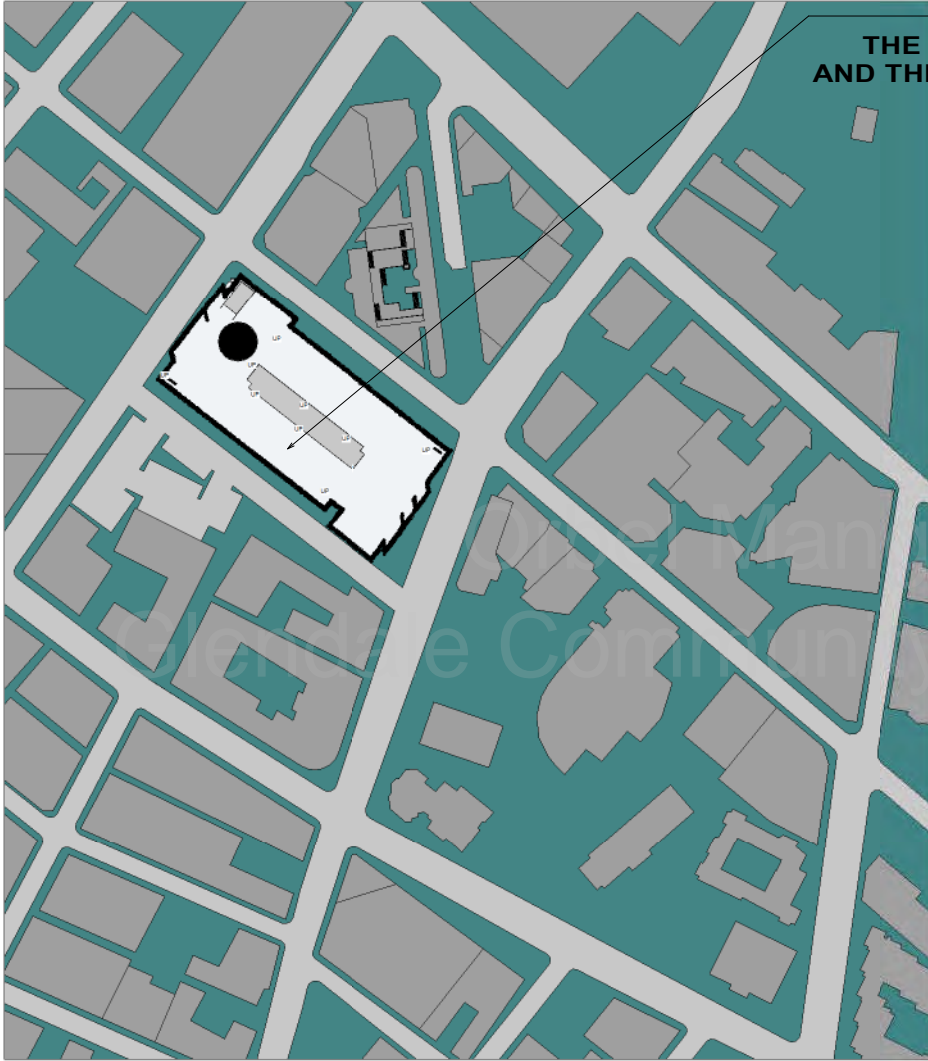
A-O SHOPS
B- RETAIL STORE #1
C- RETAIL STORE #2
E- MEN'S RESTROOM
D- WOMEN'S RESTROOM

FLOOR PLANS



A-Z -1 SHOPS
L - WOMEN'S RESTROOM
M - MEN'S ROOM
A-1 OFFICE
A-2 OFFICE #2

I STUDIED THE SITE AND THE LOCATION OF THE LAND BY SEARCHING THROUGH THE ENVIRONMENT AND THE BUILDINGS AROUND IT WHICH HELPED ME TO DESIGN MY BUILDING. THE GEOGRAPHICAL ASPECTS OF THE SITE HELPED ME A LOT.



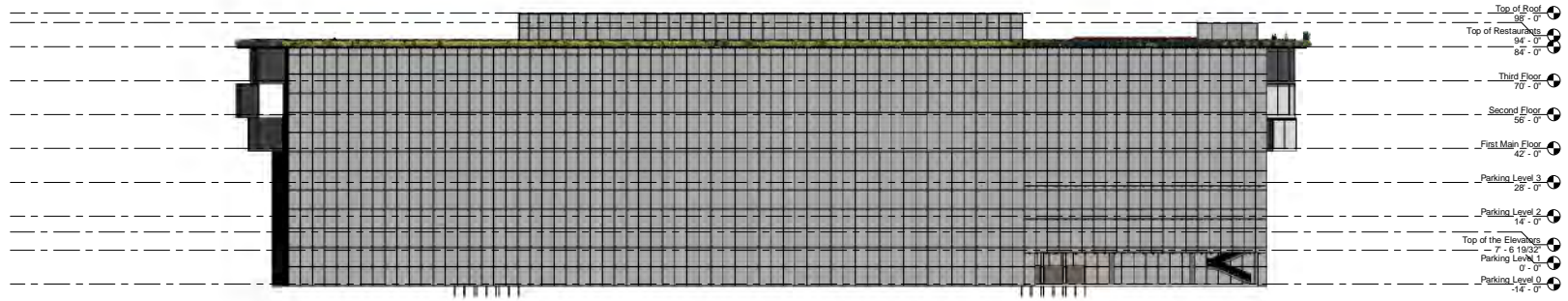
1 Site Plan
1" = 80'-0"



SITE PLAN

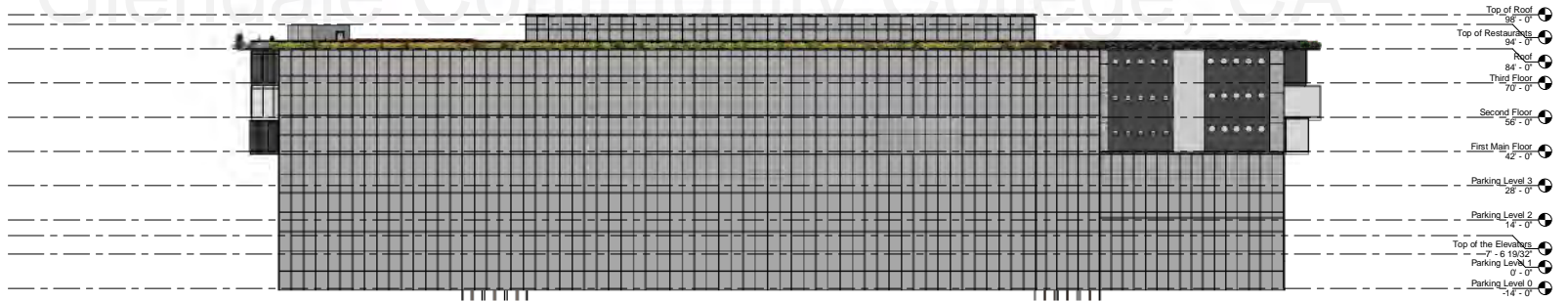


ELEVATION VIEWS

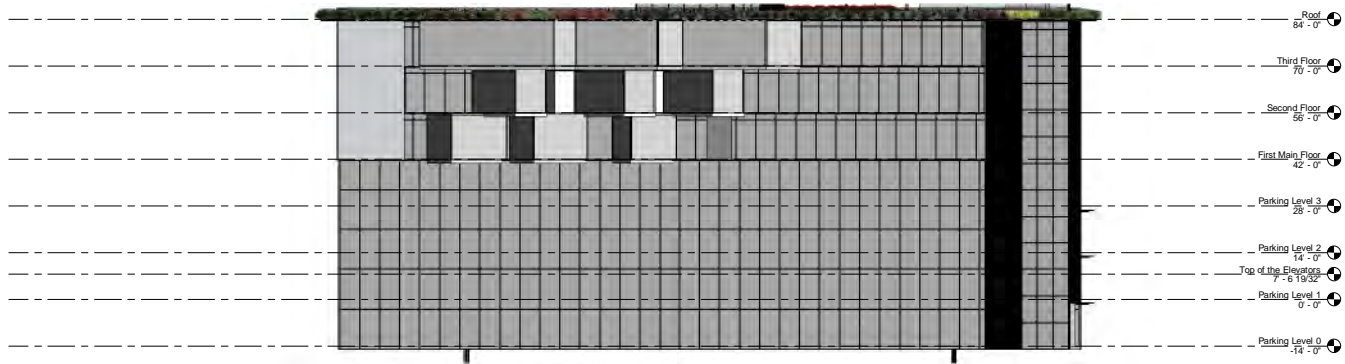


① EAST ELEVATION VIEW
3/64" = 1'-0"

Orbel Mangasar
Glendale Community College CA



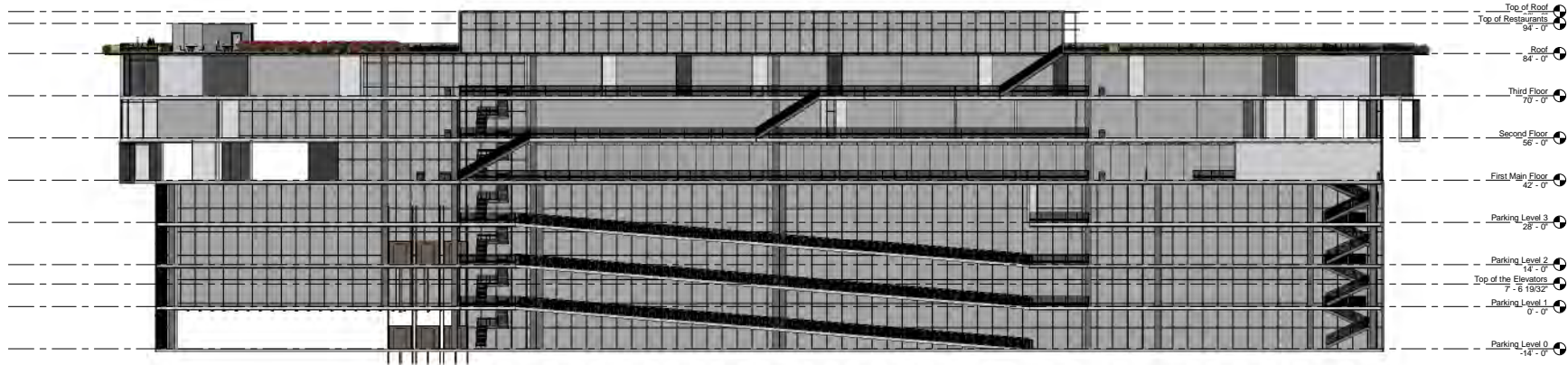
② WEST ELEVATION VIEW
3/64" = 1'-0"



① SOUTH ELEVATION VIEW
1/16" = 1'-0"

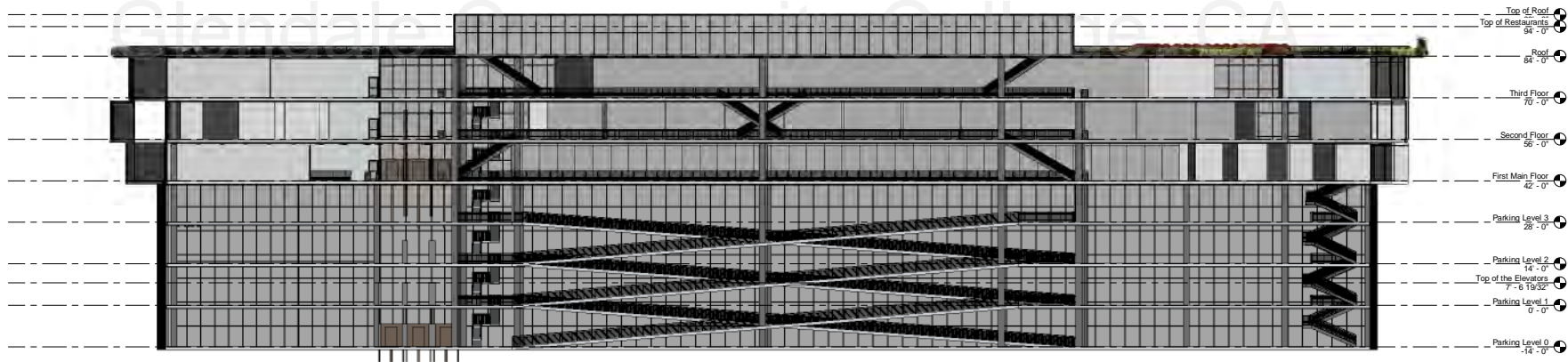


② NORTH ELEVATION VIEW
1/16" = 1'-0"



① Section 1
1/16" = 1'-0"

Orbel Mangasar



② Section 2
1/16" = 1'-0"

SECTION CUT



- Top of Roof 94'-0"
- Top of Restaurants 84'-0"
- Roof 84'-0"
- Third Floor 70'-0"
- Second Floor 56'-0"
- First Main Floor 42'-0"
- Parking Level 3 28'-0"
- Parking Level 2 14'-0"
- Top of the Elevators 7'-6 1/8 32"
- Parking Level 1 0'-0"
- Parking Level 0 -14'-0"

① Section 3
1/16" = 1'-0"



- Top of Roof 94'-0"
- Top of Restaurants 84'-0"
- Roof 84'-0"
- Third Floor 70'-0"
- Second Floor 56'-0"
- First Main Floor 42'-0"
- Parking Level 3 28'-0"
- Parking Level 2 14'-0"
- Top of the Elevators 7'-6 1/8 32"
- Parking Level 1 0'-0"
- Parking Level 0 -14'-0"

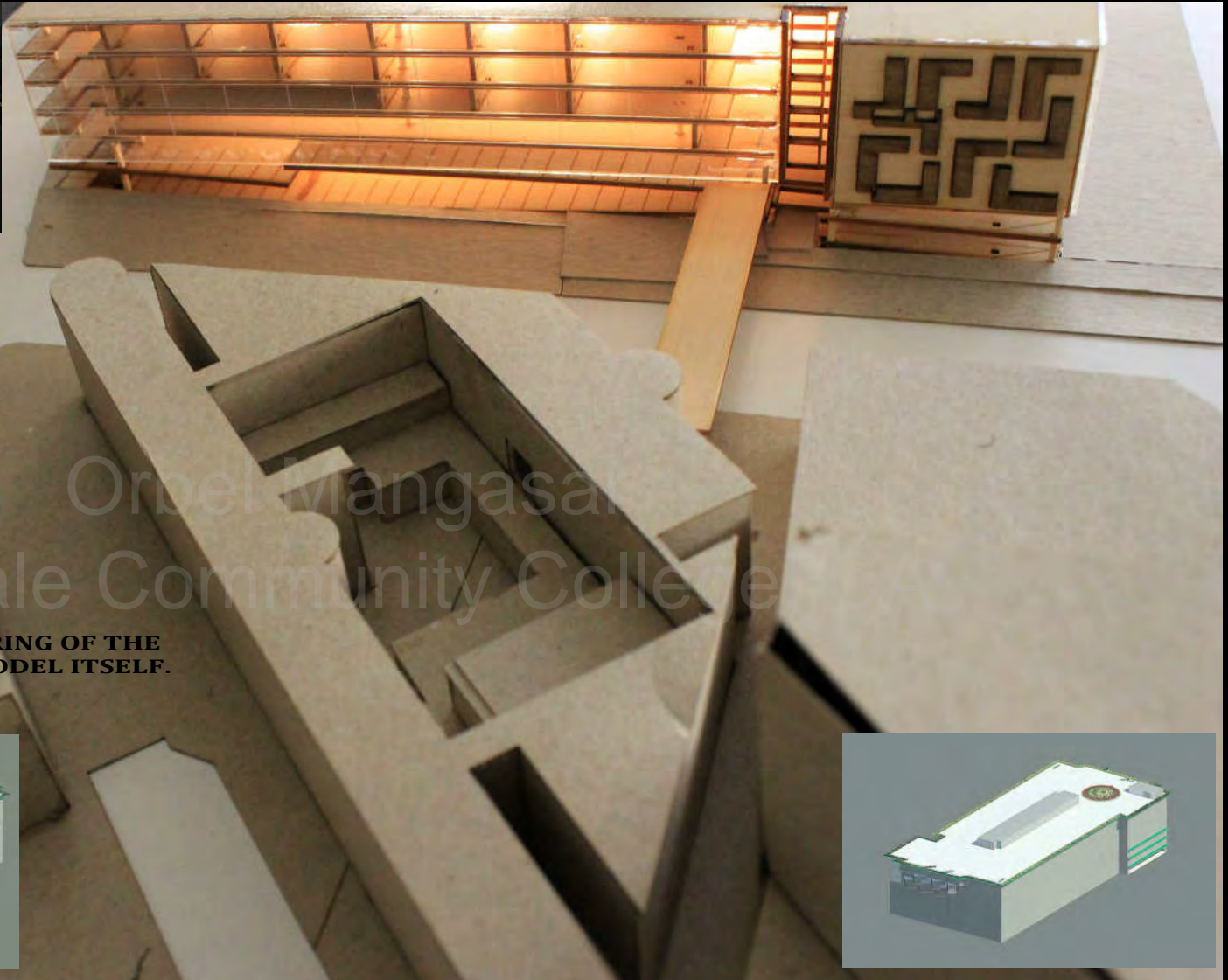
② Section 4
1/16" = 1'-0"



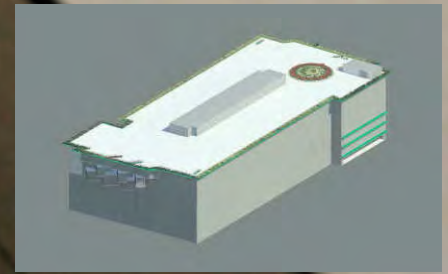
CEILING PLANS

① First Main Floor
3/64" = 1'-0"

② Second Floor
1/32" = 1'-0"



3D- VIEWS AND RENDERING OF THE BUILDING WITH THE MODEL ITSELF.



ORBEI

GOD IS ABOVE



JESUS CHRIST

Children Of Sodom



ORBEI Slipknot



THANK

YOU

THANK YOU FOR TAKING THE TIME AND GOING THROUGH MY PORTFOLIO.

I AM EXPERIENCED WITH THE FOLLOWING PROGRAMS; AUTODESK REVIT, AUTODESK AUTOCAD
AND GOOGLE SKETCH-UP.