

# PORTFOLIO

Armen J. Karapetyan

ARCHITECTURAL PORTFOLIO 2020  
GLENDALE COMMUNITY COLLEGE



# Skills



Autodesk Revit Architecture



Sketchup



Autodesk Autocad



Twinmotion



Autodesk 3Ds Max



Lumion



Vray for 3Ds Max



Adobe Photoshop



Rhinoceros 3D



Adobe Indesign

# Achievement

Exhibition during Glendale Tech Week



## Architecture as a Visual Art

581 Madre St., Pasadena, CA 91107



Student: Armen J. Karapetyan  
Class: Arch 141 - Interior Design

FRAGMENT FROM EXTERIOR 3D VIEW

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Professional Work  
Pages 23-25

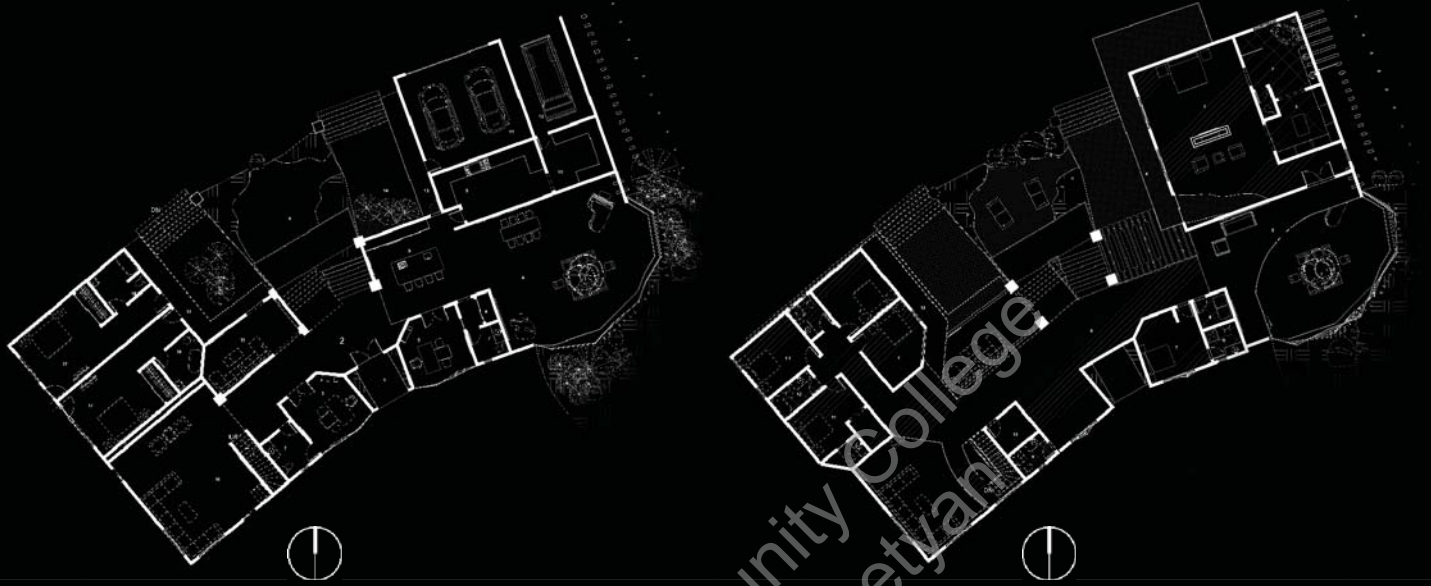
# Interior Design

Begging Interior Design - Arch 141

Class Project

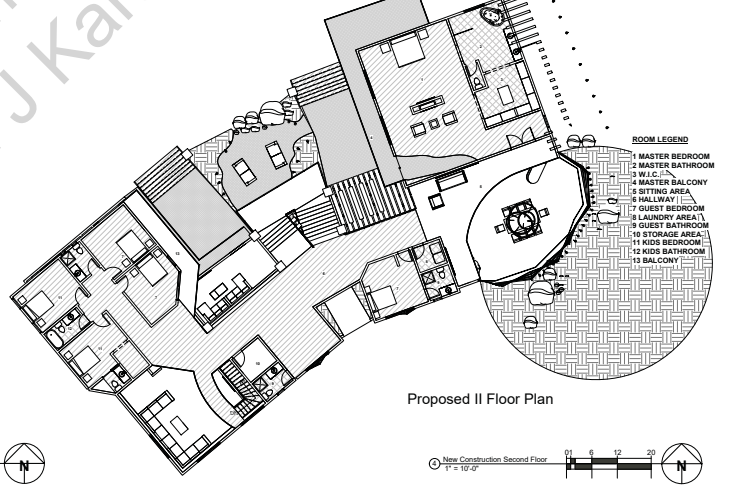
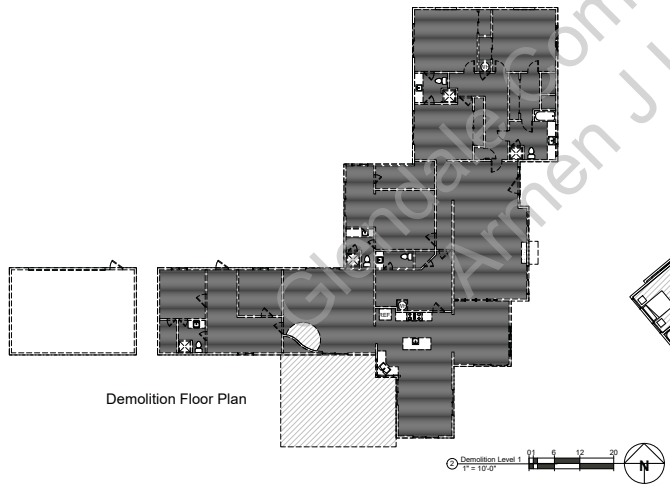
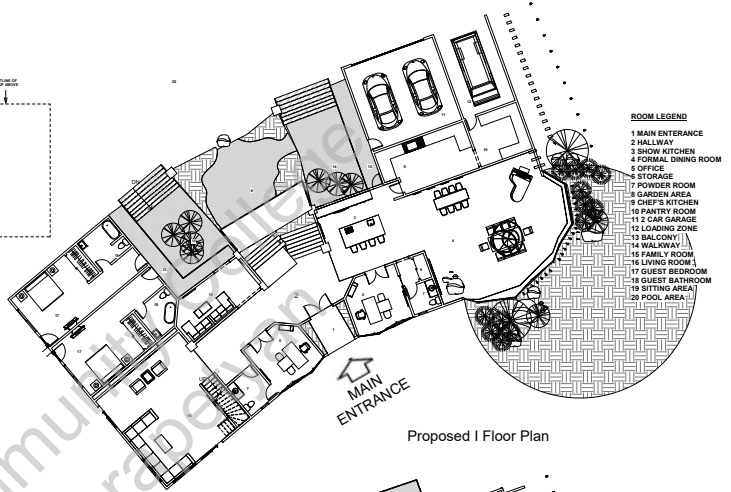
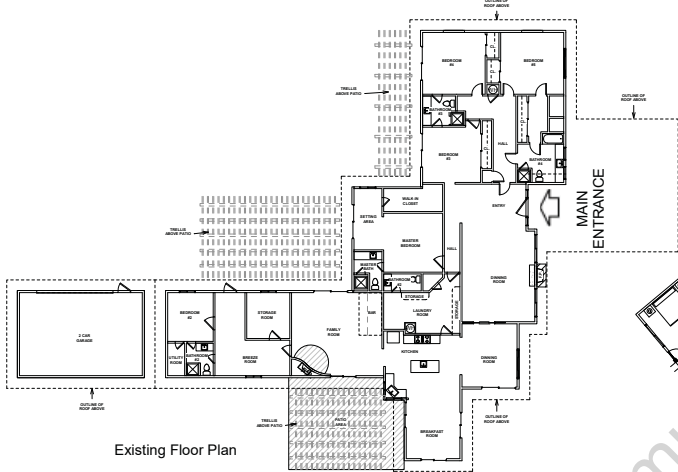
Instructor: Izabela Boyajyan

Glendale Community College Spring 2018



3 In Arch 141 Interior Desing, the assignment was to interview a new home-owner, whose house is located in 581 N Madre St, Pasadena, CA. The Madre House in very prestigious chapman woods of Pasadena is a perfect place for dreams to come true. The options were to remodel the existing home or build a new house. The decision was to focus on remodeling the existing house to give it a look and feel of a new one.





# Senior Mix-Use Housing Project

Residential Architectural Design II - Arch 125

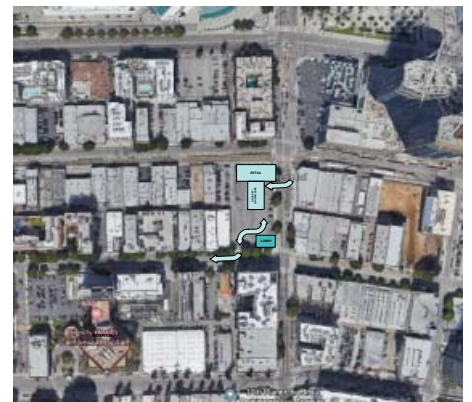
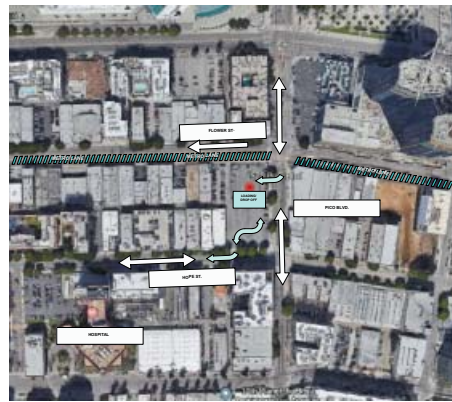
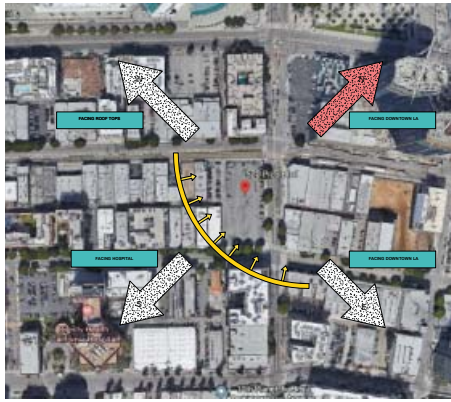
Class Project

Instructor: Paul Chiu

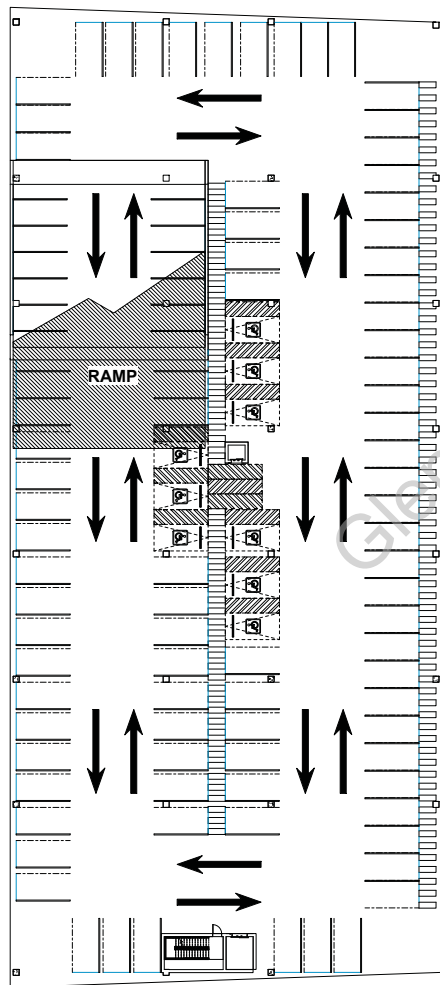
Glendale Community College Winter 2019

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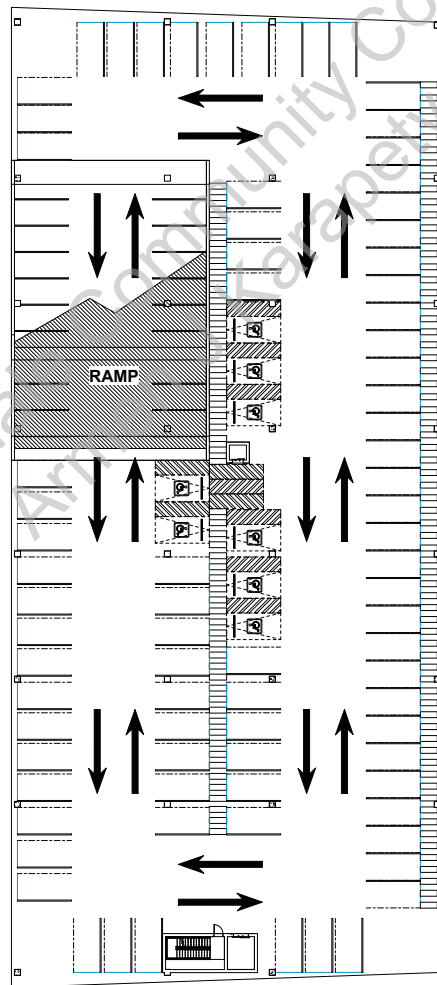




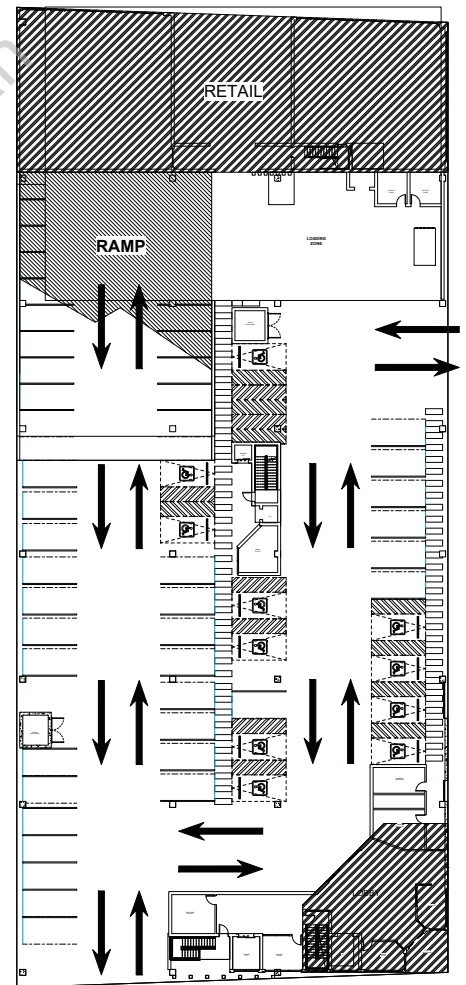
Students are asked to design and proposed a brand new residential mixed-use 75 feet total height midrise building for senior housing mix-used project. The address is 520 Pico Blvd, Los Angeles, CA. The corner of Pico Blvd, and South Flower Street, a block away from the Los Angeles Convention Center nearby Pico Metro Blue Line Metro Station. The area of the site is 46,269 sq ft.



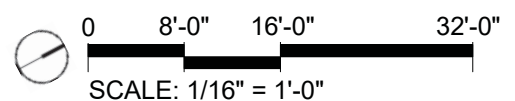
Parking level 2



Parking level 1

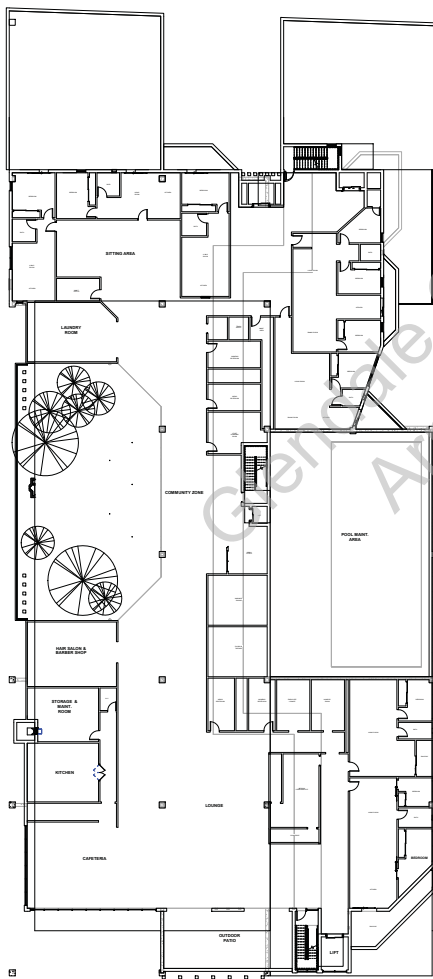


Ground level

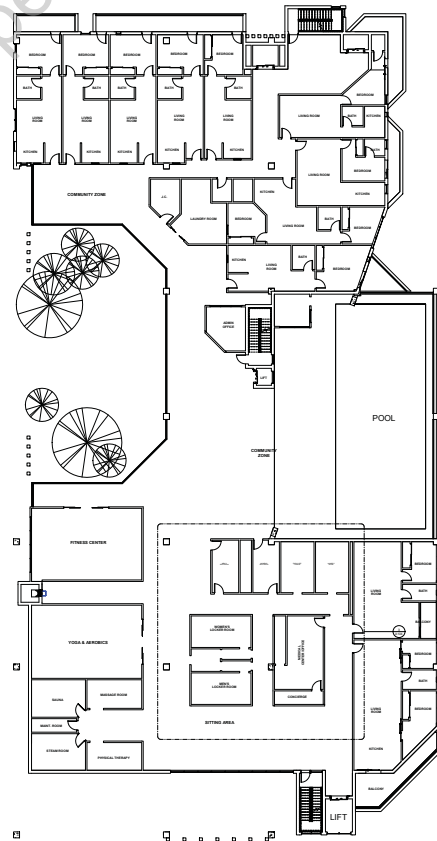




West Elevation  
 0 8'-0" 16'-0" 32'-0"  
 SCALE: 1/16" = 1'-0"



2nd Floor Plan



3rd Floor Plan

0 8'-0" 16'-0" 32'-0"  
 SCALE: 1/16" = 1'-0"

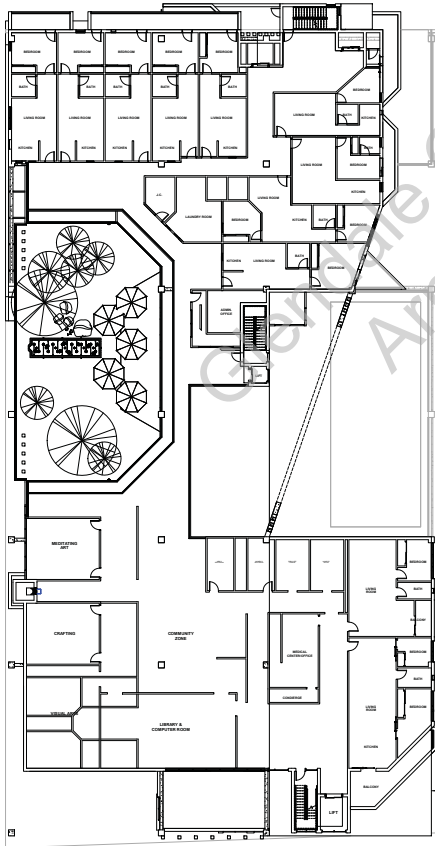
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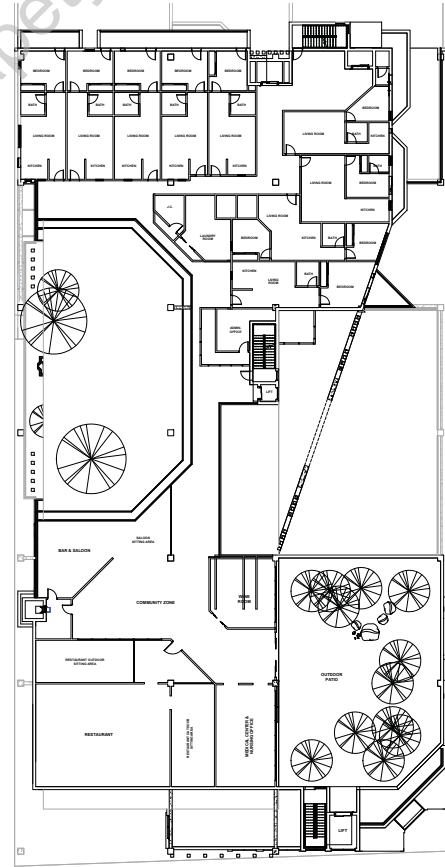
East Elevation

0 8'-0" 16'-0" 32'-0"

SCALE: 1/16" = 1'-0"



4th Floor Plan



5th Floor Plan

0 8'-0" 16'-0" 32'-0"

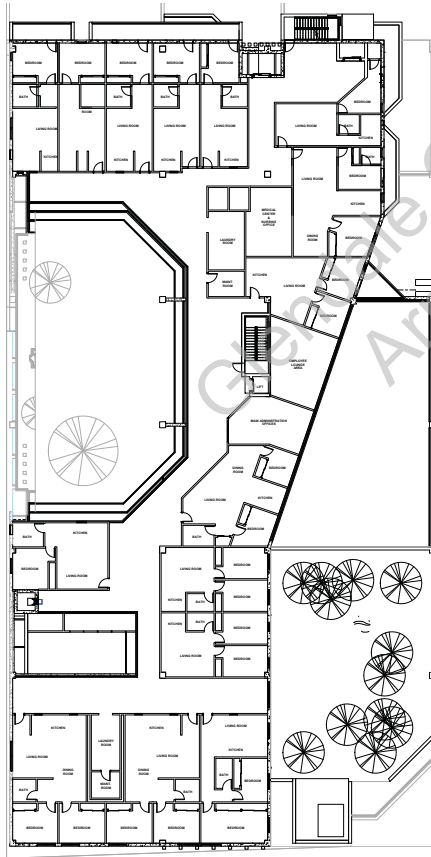
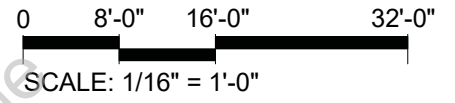
SCALE: 1/16" = 1'-0"



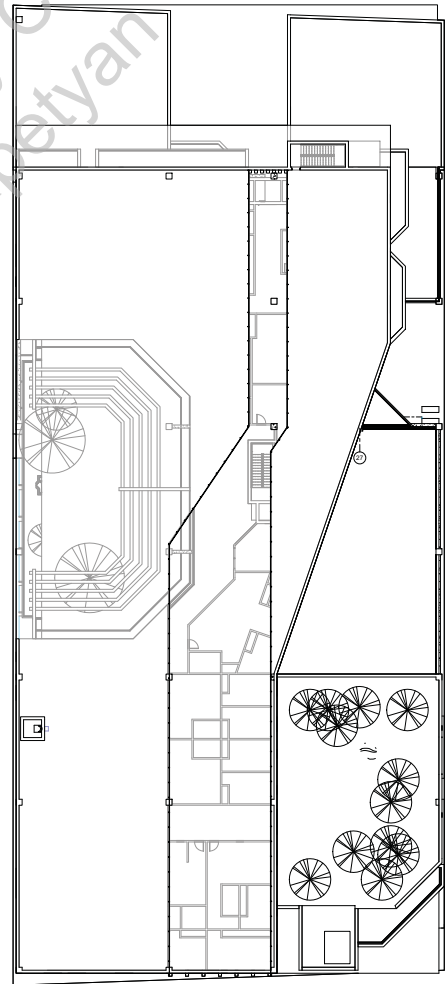
North Elevation



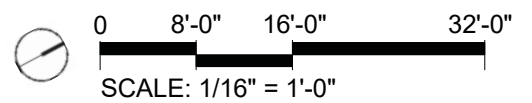
West Elevation



6th Floor Plan

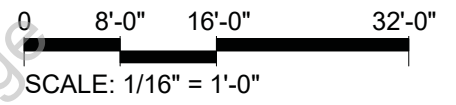


Roof Plan





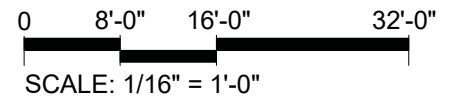
Section A-A



Exploded Axonometric Diagram



Section B-B



# ECOLOGY CENTER

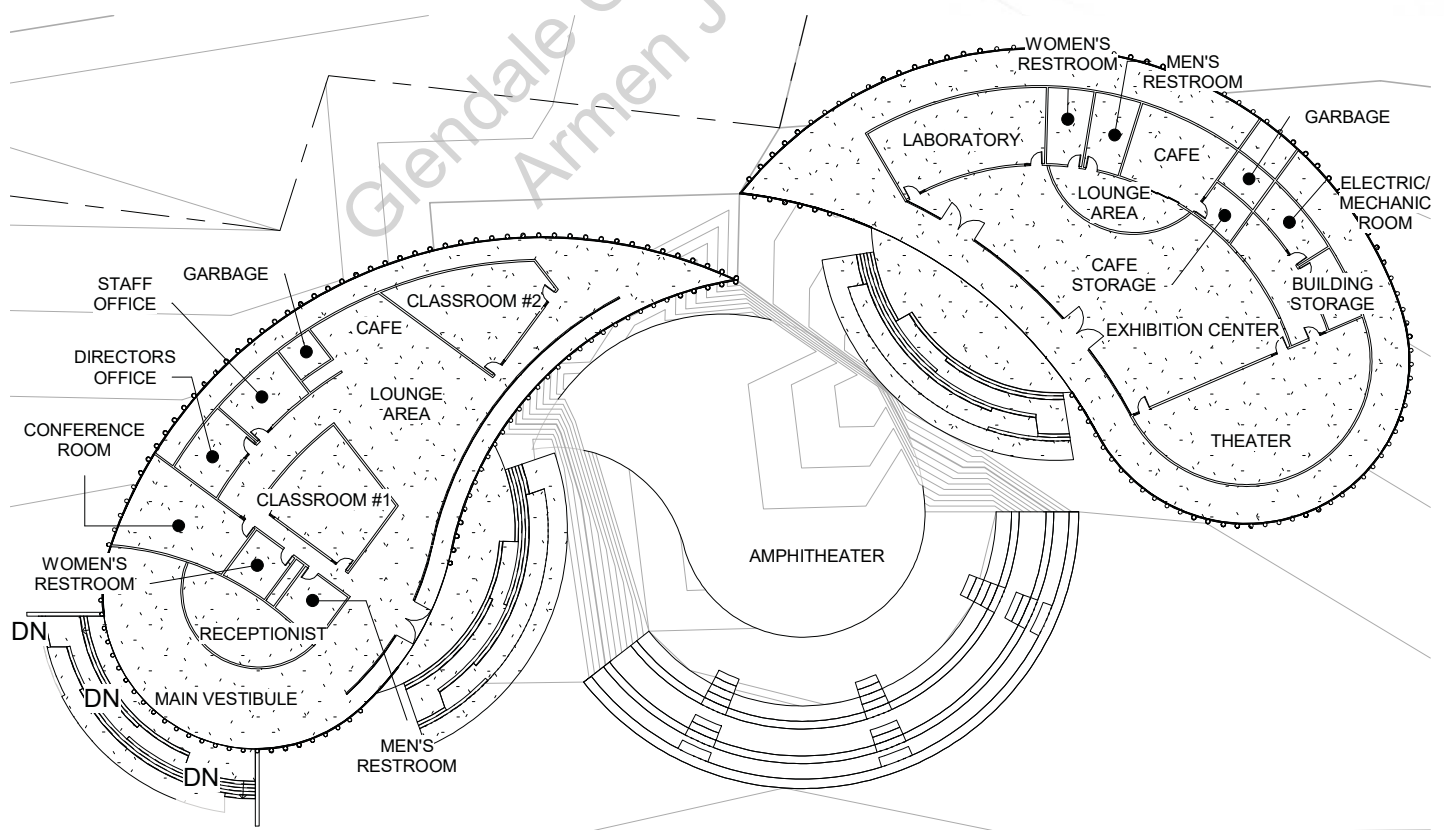
CCCAP Regional Competition - Arch 130

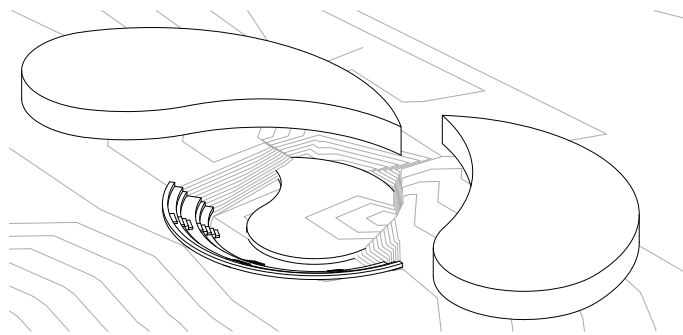
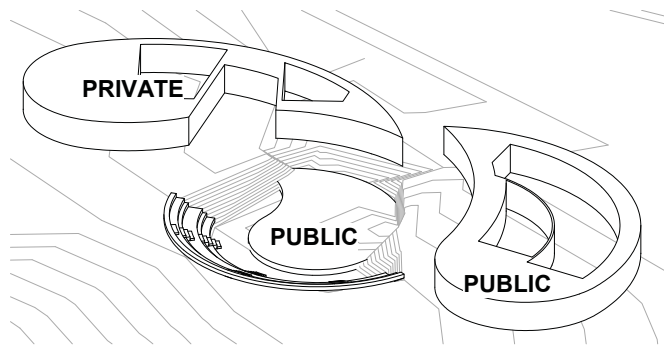
Individual Project

Instructor: Paul Chiu

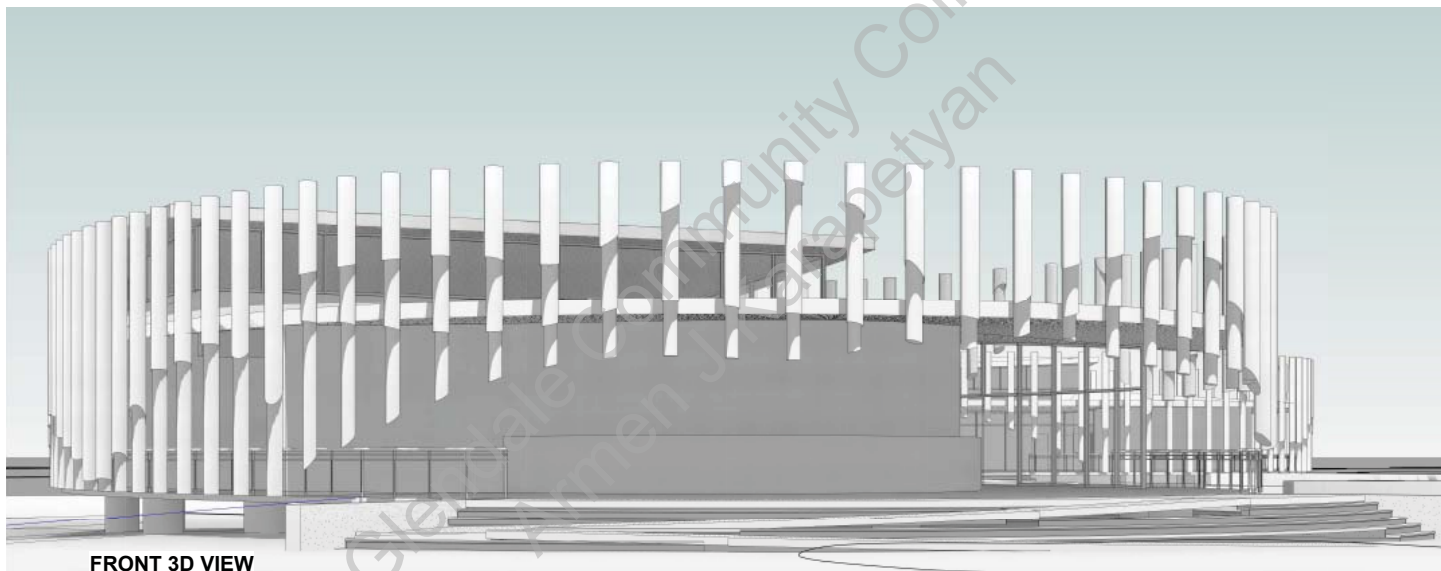
Glendale Community College Spring 2019

The Balandra Beach Ecology Center is a research center at the La Paz, Puerto Balandra, Baja California. Balandra Beach Ecology Center supports cross-disciplinary research that analyzes the existing data to address major fundamental issues in ecology and allied fields, and encourages the application of science to natural resource management. To facilitate synthetic analysis, Balandra Beach Ecology Center architecture advances new techniques in visualization of ecological systems through its ecofriendly and naturally ventilated programs.

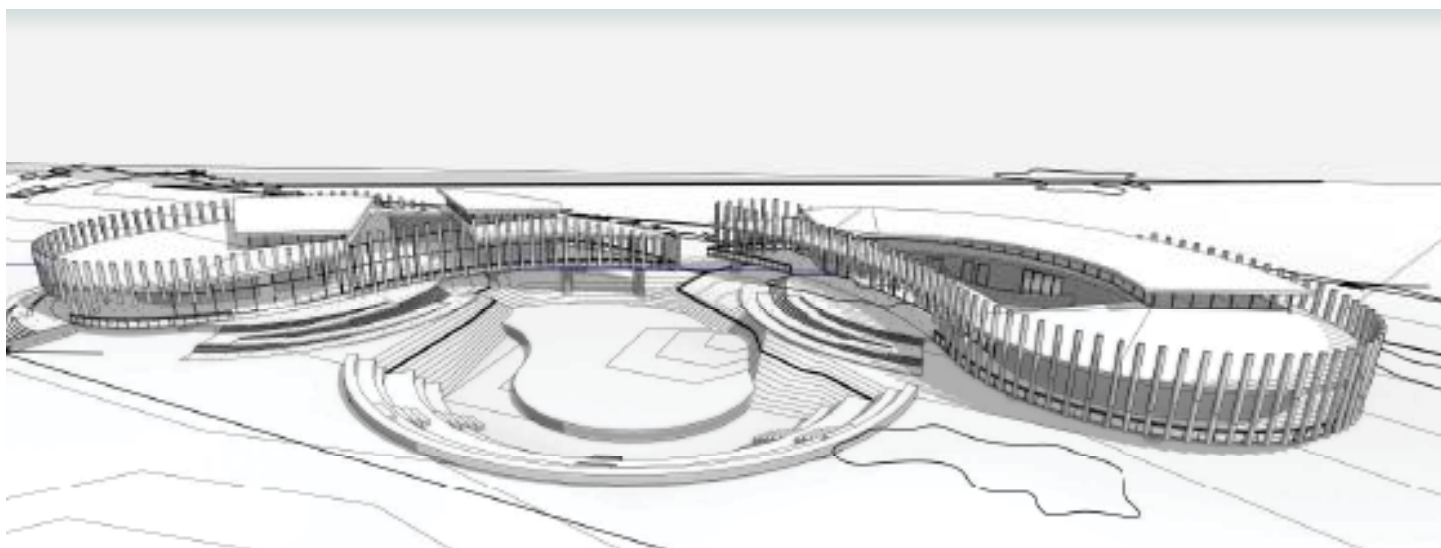




The tear drop shape of the buildings is a simple representation of water. The architecture of this metaphorically creates a relationship between humans and water



FRONT 3D VIEW



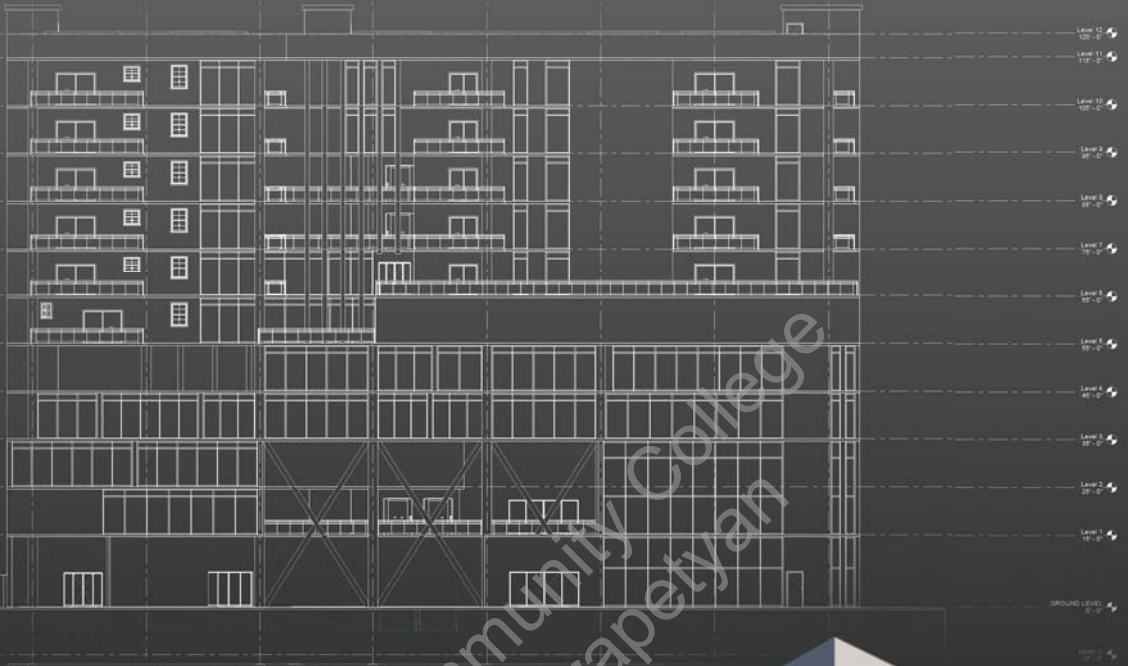
# Mix Use Project at MacArthur Park

Commercial Arch. Design II - Arch 135

Class Project

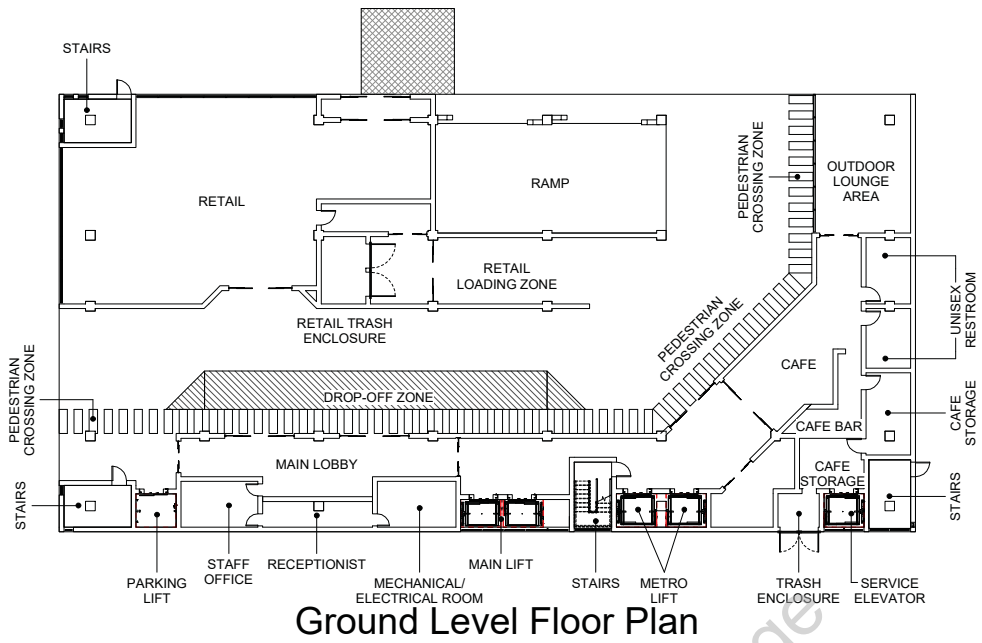
Instructor: Paul Chiu

Glendale Community College Summer 2019

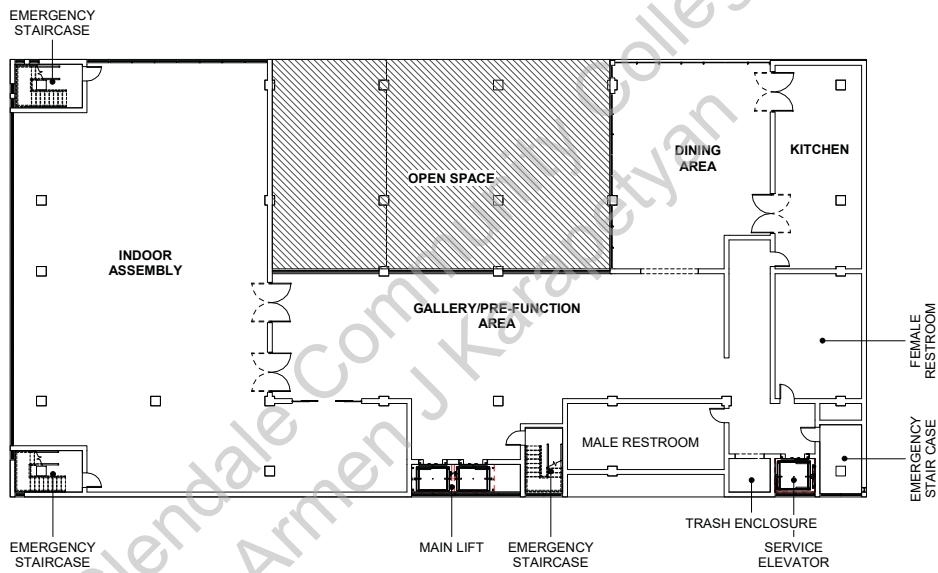


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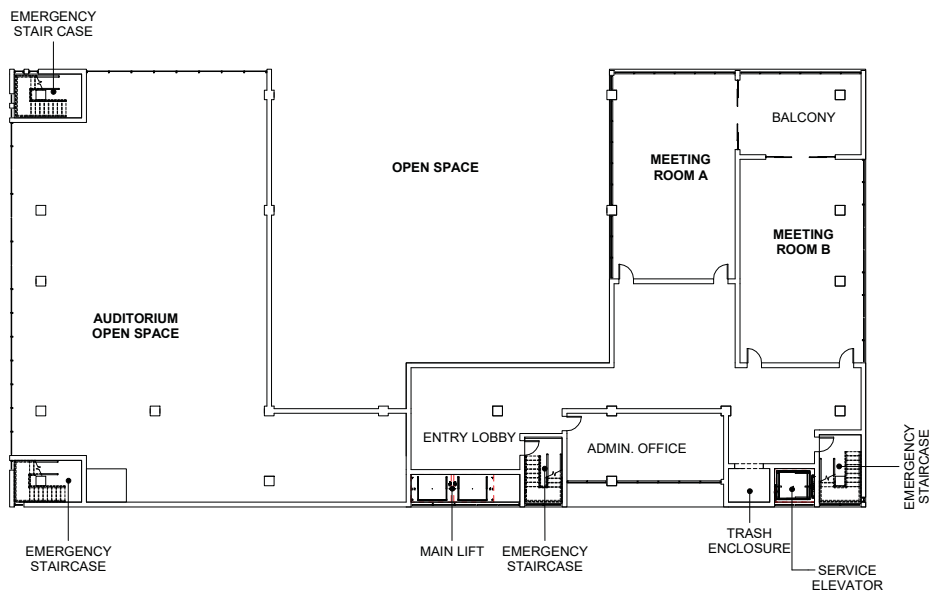




Ground Level Floor Plan



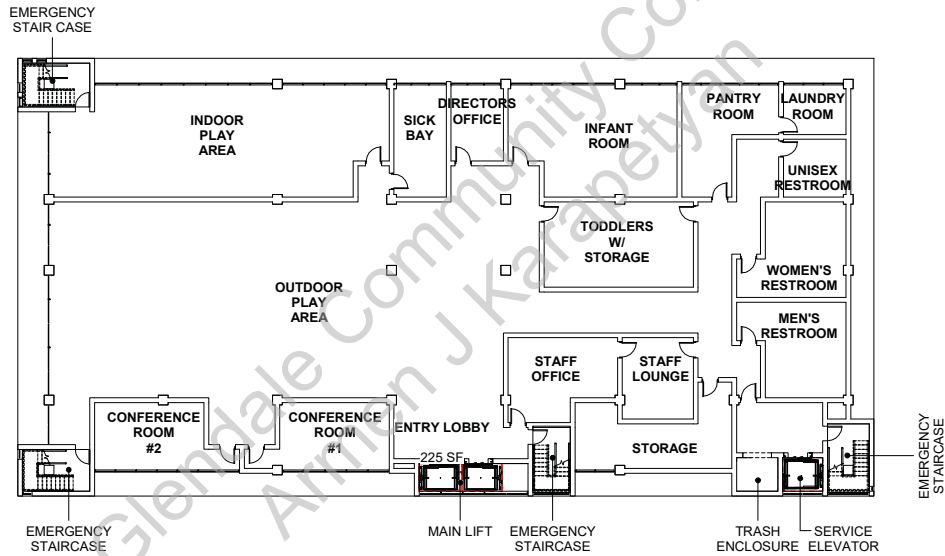
2nd Floor Plan



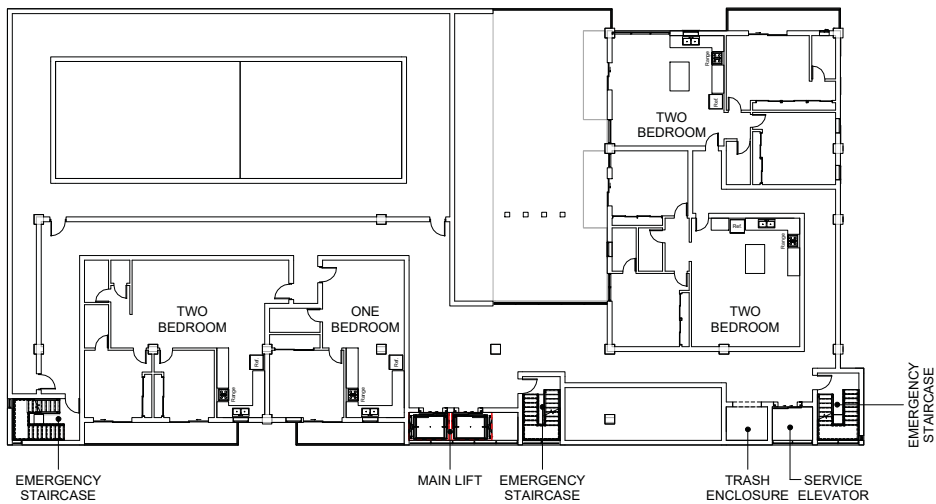
3rd Floor Plan



North Elevation



4th Floor Plan

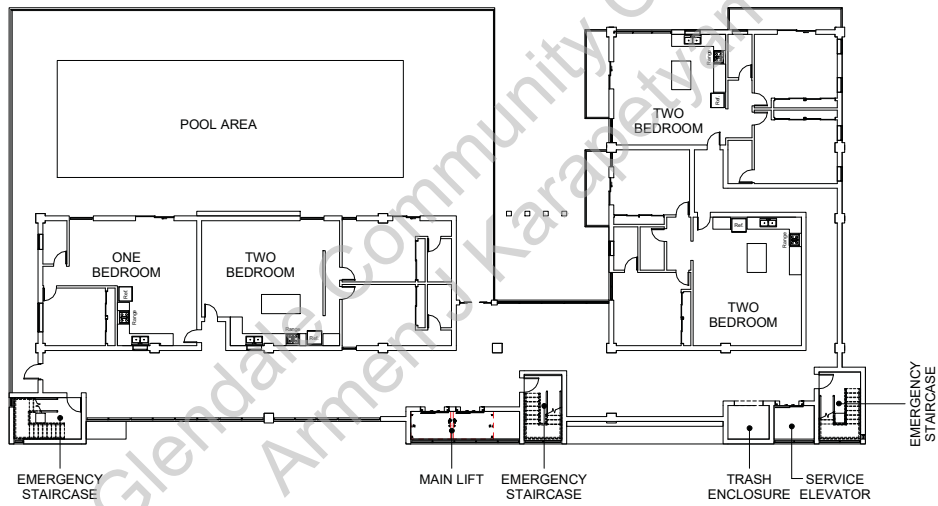


5th Floor Plan

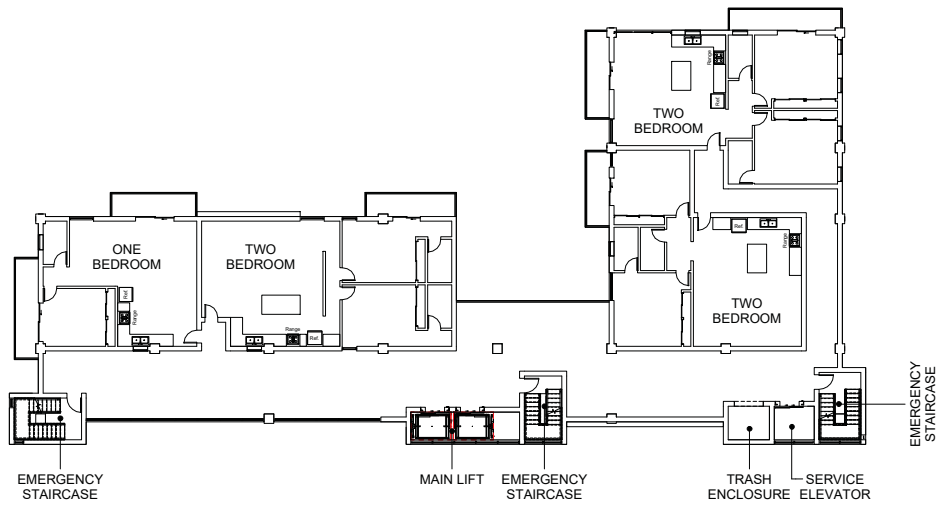
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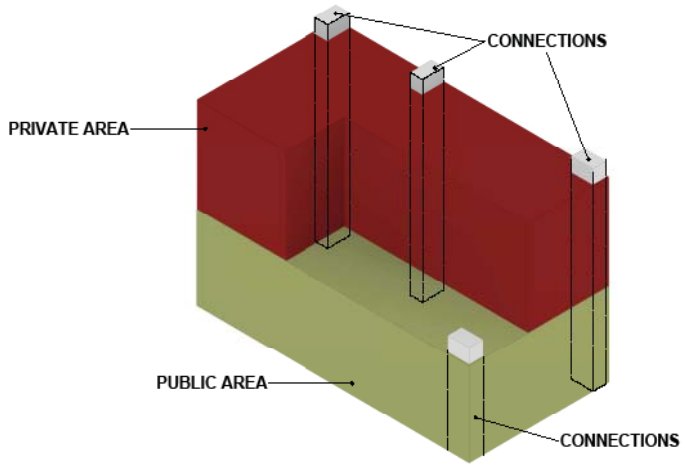
South Elevation



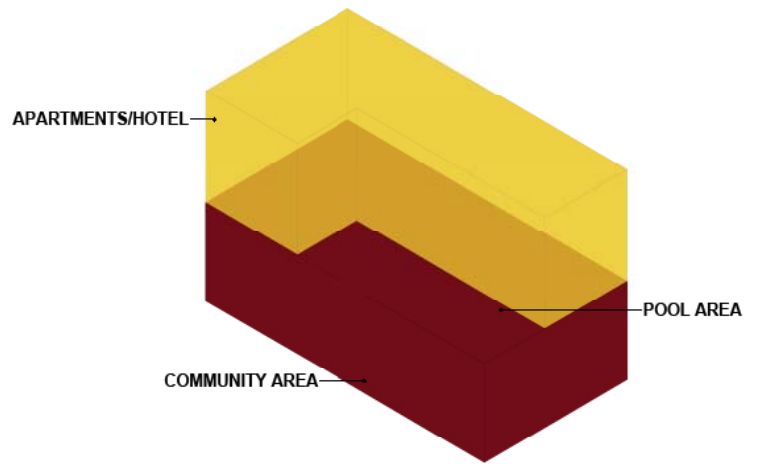
6th Floor Plan



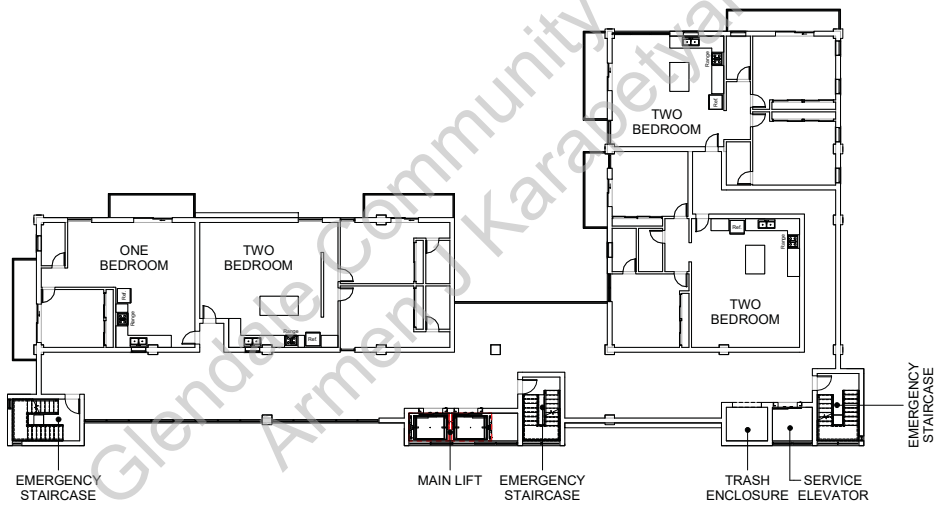
7th Floor Plan



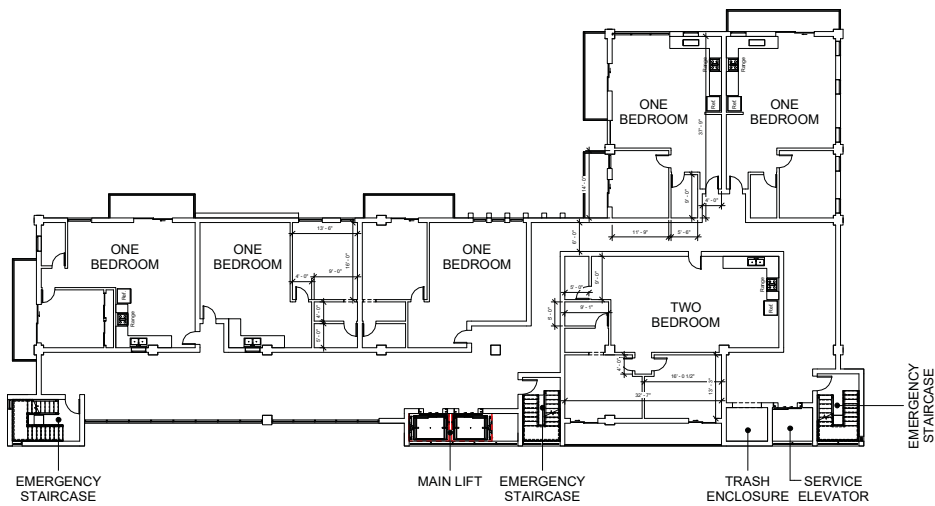
Parti Diagram



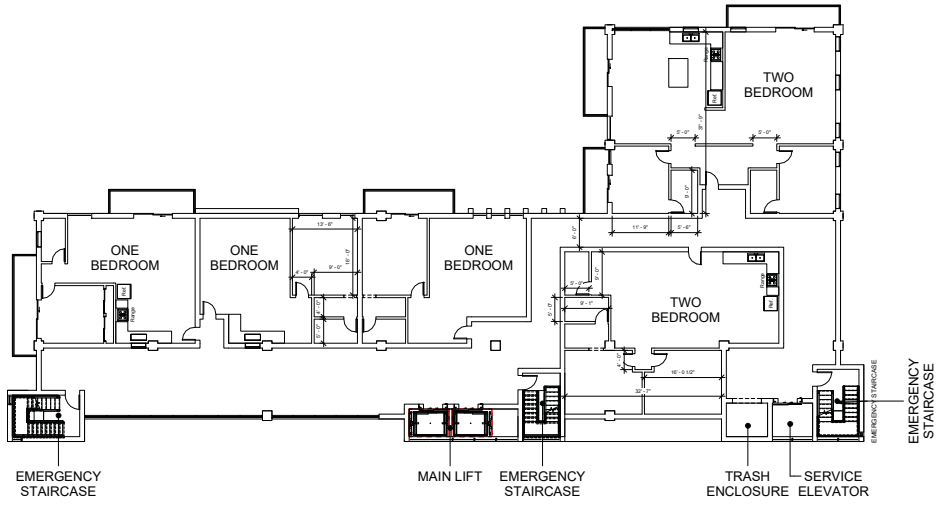
Program Diagram



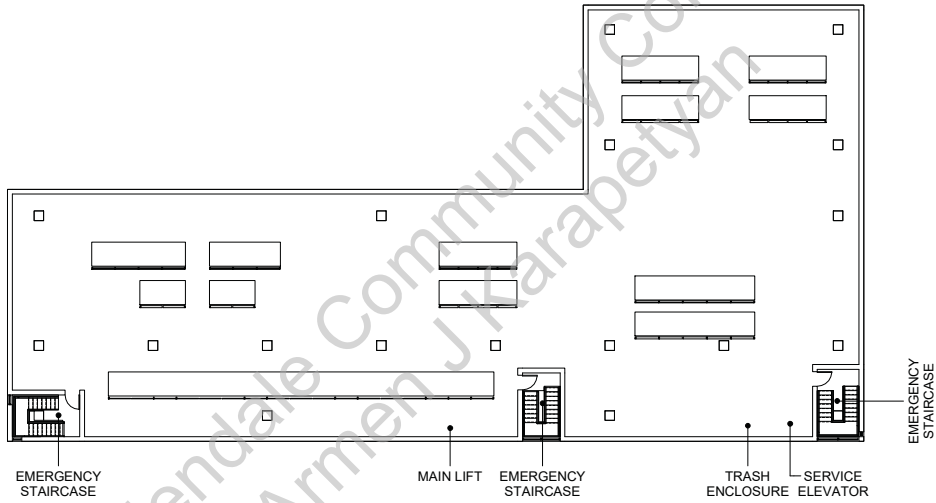
8th Floor Plan



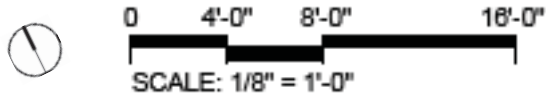
9th Floor Plan



10th Floor Plan



11th Floor Plan



# Kaira Looro Competition 2018

Group Project (Edgar Hakobyan, Armen Karapetyan, Davit Mkrtychyan)

Location: Sedhiou, Senegal



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MARK OF  
SERENITY

Glendale Community College  
Armen J Karapetyan



ADINKA SYMBOLS:  
COMMITEMENT



GREATNESS



LOYALTY



Loyalty, commitment, and greatness. Three perspectives and meanings that correlate with each other in ways that potentially unify mankind with one another. Mark of Serenity brings these terms together using West African symbols, which are then utilized **a r c h i t e c t u r a l l y**

## CONCEPT

Loyalty is defined as faithfulness or faithful adherence to a person, government, cause, duty, etc. The Families of the fallen victims stay loyal to their own. We use this as a sign of remembrance. The stay loyal to the thought of peace amongst mankind. The memorial room connects all rooms together. Loyalty plays along all the connection of the rooms reason.

Commitment is the agreement or pledge to do something in the future. With this in mind and at heart, we want to influence all those to be committed to the pursuit of peace and serenity. Those who stay committed to achieving peace on earth is represented with these four rooms: Prayer room, Exhibition room, History/Awareness Room, and Maker Space/Study Room

Greatness is the quality of being great, distinguished, or eminent. After achieving peace on earth, there will be greatness roaming throughout the world amongst mankind. Every human is capable of doing great things. Greatness is represented with the roof. The reason why we have these two represented with this symbol is because this is what ties everything together.

### Materials

Red Clay- used for all exterior walls as a building material

Cement- mixed with shells to produce concrete like mixture for structural support of vertical columns

Shells- used as aggregate in mixture of cement to give it extra strength

Straws- used as a roof covering material with pre made rolls of straw sheets

Lumber- used as a vertical column to support the roof and skeleton in exterior walls

Bamboo- used as a decorative material in the middle as a symbol of greatness

Construction nails- used for the joining of lumber, they are bendable and do not break during earthquake tilting and they are also very durable.

Fabrics- waste materials will be used to be sawed together and produce mosaic texture fabrics to decorate and provide seating covers for certain parts of the site.

### Construction process

We will begin the construction with finding the location of where Mark of Serenity should be built. Set back from both the street and the south side of the property line by 16.7m and 14.6m from the east side property line. Begin by marking the center of the memorial. With a 6m radius form a complete circle on the land. Then by beginning at the northeast angle make sure you have 8m distance from the center of the memorial to the prayer room. The room is 4m in diameter by creating a full circle. The following other 3 rooms are at 90 degrees from each other with the origin being in the center of the memorial. Placing them each at northeast, southeast, southwest, and northwest. The entrance of the rooms are located where the 4 room's circle intersects with the memorial circle.

MATERIALS	QUANTITY	PRICE PER QUANTITY IN FCFA	TOTAL PRICE FCFA	TOTAL PRICE EURO	
CLAY	77.6 m ton	50000	3880000	EUR 5,923.66	<p>Once the places are marked we will begin making 15 distinctive marks where we will be digging 0.5m holes to later fill with concrete in order to erect our wooden frame that is 4.3m tall on its tallest end and 3m tall on its shortest end. for the 4 rooms. The memorial stands at 5.5 meters and concaves inward to 4.3m tall.</p> <p>Once we have our wooden framing, we will then be covering the 4 rooms (excluding the memorial) with 2.5 meters of red clay.</p> <p>The roof will be held by the frame as they are connected with each other horizontally. The roof is made of straws (palm leaves).</p> <p>Lastly, the center of the memorial we will be digging a small water reservoir in the shape of the greatness symbol. The hole is 1m wide.</p>
CEMENT	2.5 m <sup>3</sup>	131000	327500	EUR 500.00	
SHELLS	4.6 m tons	150	690150	EUR 1,053.66	
STRAWS	36 rolls	11678.65	420431.4	EUR 641.88	
LUMBER	11 m <sup>3</sup>	320950	3530450	EUR 5,390.00	
BAMBOO	28 pieces	2500	70000	EUR 106.87	
NAILS	906 pieces	818	741108	EUR 1,131.46	
<b>FABRICS: waste fabric is sawed together to make mosaic fabric texture</b>				EUR 0.00	



Central piece of the pavilion symbolizing greatness

Memorial room of the pavilion symbolizing loyalty



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The Gallery of the pavilion symbolizing commitment.





- NOTES:**
1. RAINWATER DIRECTED TO AN APPROVED LOCATION. REFER TO CIVIL PLANS.
  2. THE CONSTRUCTION SHALL NOT RESTRICT A FIVE-FOOT CLEAR AND UNRESTRICTED ACCESS TO ANY WATER OR POWER DISTRIBUTION FACILITIES, (POWER POLES, PULL-BOXES, TRANSFORMERS, VALVES, PUMPS, VALVES, METERS, APPURTENANCES, ETC.) OR TO THE LOCATION OF THE HOOK-UP. THE CONSTRUCTION SHALL NOT BE WITHIN TEN FEET OF ANY POWER LINES WHETHER OR NOT THE LINES ARE LOCATED ON THE PROPERTY. FAILURE TO COMPLY MAY CAUSE CONSTRUCTION DELAYS AND/OR ADDITIONAL EXPENSES.
  3. PROVIDE AN AUTOMATIC WEATHER BASED IRRIGATION SYSTEM CONTROLLER.
  4. AN APPROVED SEISMIC GAS SHUTOFF VALVE WILL BE INSTALLED ON THE FUEL GAS LINE ON THE DOWNSTREAM SIDE OF THE UTILITY METER AND BE RIDICLY CONNECTED TO THE EXTERIOR OF THE BUILDING OR STRUCTURE CONTAINING THE FUEL GAS PIPING. (PER ORDINANCE 170.158) (SEPARATE PLUMBING PERMIT IS REQUIRED).

Glendale Community College  
Armen J Karapetyan

### PLAN SYMBOL LEGEND

- |                                  |   |
|----------------------------------|---|
| <b>LEVEL ELEVATION SYMBOL</b>    | LEVEL NAME                              |
|                                  | LEVEL SYMBOL                            |
|                                  | ELEVATION ABOVE GROUND                  |
|                                  | ELEVATION BELOW GROUND                  |
|                                  | LEVEL 0' - 0"                           |
| <b>SECTION SYMBOL</b>            | CONCRETE SIMILAR DETAIL                 |
|                                  | CONCRETE                                |
|                                  | SECTION NUMBER                          |
|                                  | SHEET NUMBER                            |
| <b>EXTERIOR ELEVATION SYMBOL</b> | ELEVATION NUMBER                        |
|                                  | SHEET NUMBER                            |
| <b>DETAIL CALLOUT SYMBOL</b>     | DETAIL NUMBER                           |
|                                  | SHEET NUMBER                            |
|                                  | REGION OF DETAIL                        |
| <b>PROPERTY LINE TAG</b>         | COMPLETE CORNER/CHANGING                |
|                                  | POINTS, MINUTES & SECONDS               |
|                                  | CORNER/CHANGING OF PROPERTY LINE SYMBOL |
|                                  | WINDOW TAG, SEE WINDOW SCHEDULE         |
|                                  | DOOR TAG, SEE DOOR SCHEDULE             |

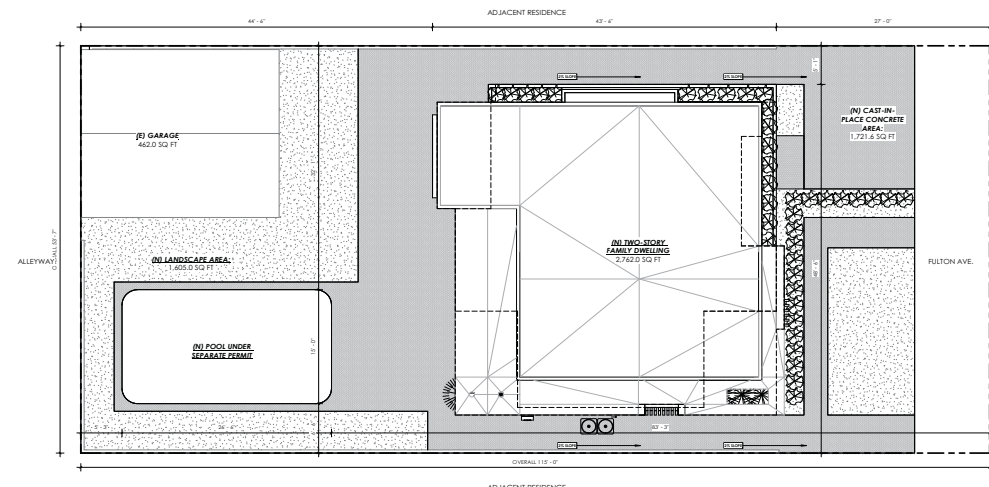
- 1. ALL S/C/T/M WITH ADJACENT STRUCTURE SHALL HAVE WITH MINIMUM 3" AIR GAPANCE PER JOINT. PANEL SHALL BE FINISHED GASE COMPATIBLE AND BE CONNECTED TO TERMINATE TO THE OUTSIDE OF THE BUILDING. FANG, NOT FUNCTIONALITY OF THE COMPONENT OF A WHOLE HOUSE VENTILATION SYSTEM MUST BE CONTROLLED BY A HUMIDITY CONTROL.
- 2. HARD WIRED SMOKE DETECTORS WITH A BATTERY BACKUP ARE REQUIRED. SMOKE/HEAT SENSORS AND ALARMS ARE REQUIRED. SMOKE/HEAT SENSORS AND ALARMS MUST BE ALL CORNER/CHANGING AREAS OF THE DWELLING UNIT WHICH THEY SERVE. INTERCONNECTED.
- 3. ALARMS MAY BE SOLELY BATTERY OPERATED WHEN INSTALLED IN BATHROOMS OR SLEEPING AREAS. INTERCONNECTED.
- 4. HARD WIRED CARBON MONOXIDE DETECTOR. INTERCONNECTED.

### PLAN KEYNOTES

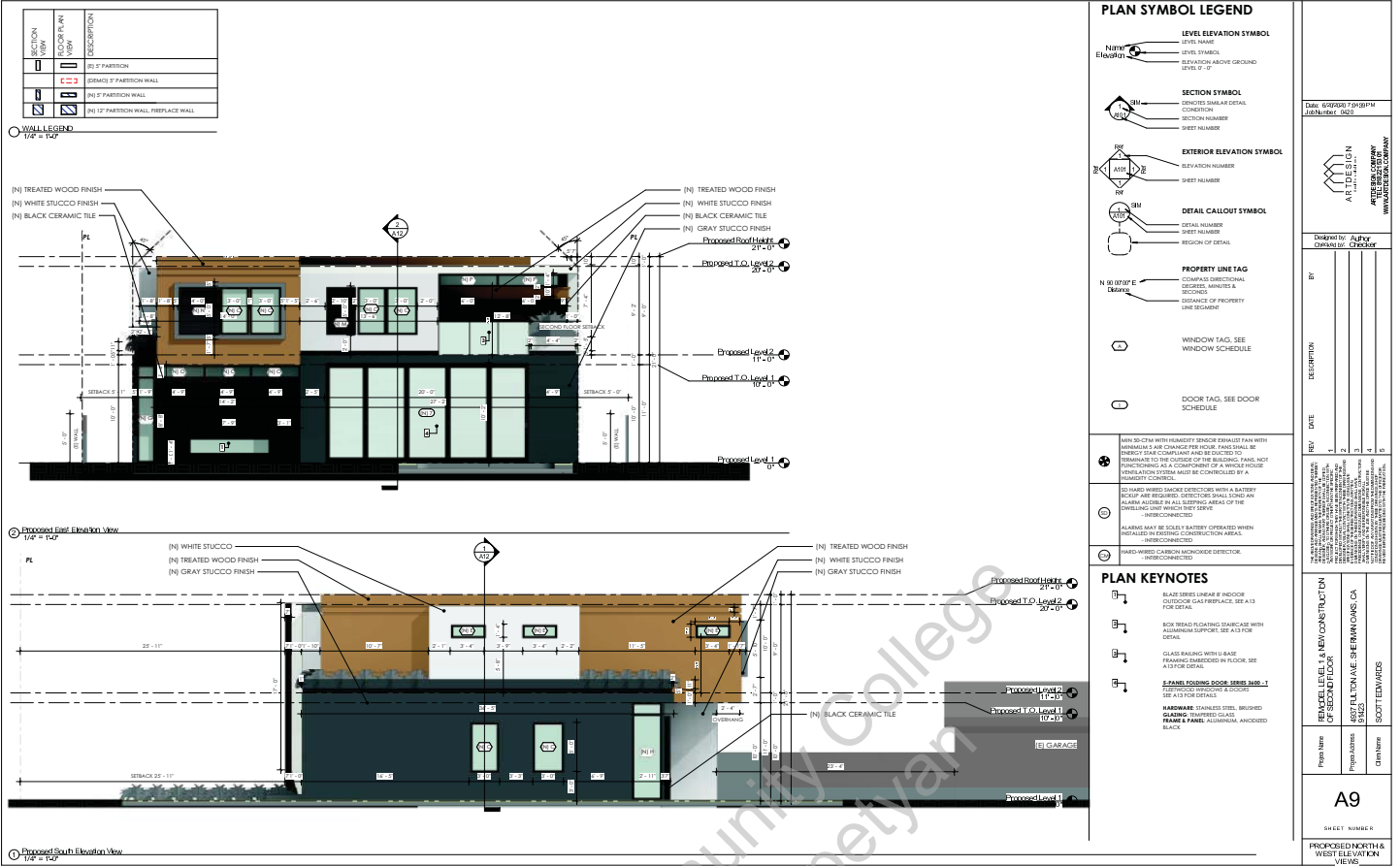
- 1. BRASS STUDS (GRADE 8) INSIDE OUTDOOR GAS REPLACEMENT. SEE A13 FOR DETAIL.
- 2. BRASS BRACKETS (GRADE 8) WITH ALUMINUM SUPPORT. SEE A13 FOR DETAIL.
- 3. GLASS BRACKETS WITH BRASS FRAMING. BRACKETS IN FLOOR. SEE A13 FOR DETAIL.
- 4. **PANEL FLOORING DOOR (SEE SCHEDULE)** INTERCONNECTED TO SMOKE/HEAT DETECTORS. SEE A13 FOR DETAIL.
- 5. **HARDWARE** STAINLESS STEEL, BRUSHED QUADRANT TURNER GLASS. **FRAME & PANEL** ALUMINUM, ANODIZED BLACK.

Project No.	9160-114
Project Address	4937 FULTON AVE. SHERMAN OAKS, CA
Client Name	SCOTT EDWARDS

DATE	05/03/2017 09:45 AM	
JOB NUMBER	9160-114	
DESIGNED BY	ArtDesign Studio	
CHECKED BY	ArtDesign Studio	
DATE	05/03/2017 09:45 AM	
JOB NUMBER	9160-114	
DESCRIPTION	PROPOSED SITE PLAN	
REV.	DATE	DESCRIPTION
1	05/03/2017	ISSUE FOR PERMITS
2	05/03/2017	ISSUE FOR PERMITS
3	05/03/2017	ISSUE FOR PERMITS
4	05/03/2017	ISSUE FOR PERMITS
5	05/03/2017	ISSUE FOR PERMITS



Proposed Site Plan  
9160-114



Thank you  
for your time

Glendale Community College  
Armen J Karapetyan

