

Architectural Portfolio

Glendale Community College
Rachel Zuniga Coronado



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Rachel Zuniga Coronado

SKILLS

ACHIEVEMENTS

CONTENTS



REVIT



AUTOCAD



SKETCHUP



RHINO



TWINMOTION



ILLUSTRATOR



WOHO PLATFORM 2024

SEPTEMBER 2023 — RECIPIENT OF ARCHITECTURAL INTRODUCTORY RESIDENTIAL SKILL BADGE

SEPTEMBER 2023 — RECIPIENT OF ARCHITECTURAL ADVANCE RESIDENTIAL DESIGN SKILL BADGE

DECEMBER 2024 — PARTICIPANT IN BUILDNER'S LOS ANGELES AFFORDABLE HOUSING CHALLENGE

FEBRUARY 2024 — REPRESENTED GCC AT THE WOODBURY UNIVERSITY PLATFORM

APRIL 2024 — WINNER OF THE CHESTER AND DIANA WIDOM ARCHITECTURAL EDUCATION SCHOLARSHIP 2024

MAY 2024 — PARTICIPANT CCCAP NATIONAL ARCHITECTURE DESIGN COMPETITION

MAY 2024 — VOLUNTEER REPRESENTING THE ARCHITECTURE DEPARTMENT ON GCC'S OPEN HOUSE EVENT 5.4.24

JUNE 2024 — GRADUATE OF GLENDALE COMMUNITY COLLEGE WITH AN ASSOCIATES IN ARCHITECTURAL DRAFTING AND DESIGN

JUNE 2024 — GRADUATE OF GLENDALE COMMUNITY COLLEGE WITH A CERTIFICATE OF ARCHITECTURAL DRAFTING AND DESIGN

JUNE 2024 — PARTICIPANT IN LA DESIGN WEEKEND EVENT

JUNE-AUGUST 2024 — SUMMER INTERNSHIP AT AC MARTIN UNDER PUBLIC/PRIVATE SECTOR UNDER STUDIO PRINCIPAL-SPECIAL SERVICES

JULY 2024 — CANDIDATE THE A.I.A. PASADENA AND FOOTHILL CHAPTER 2024 JEAN ROTH DRISKEL SCHOLARSHIP IN SPRING 2024

JULY 2024 — CANDIDATE FOR THE WOODBURY PRIZE



OPEN HOUSE EVENT 5/4/24

VISION WITHIN REACH
CCCAP IMMIGRATION CENTER COMPETITION



04

CUMULUS CLOUD HABITAT
BUILDNER AFFORDABLE HOUSING COMPETITION



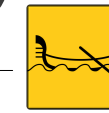
08

WORLD STAGE ARENA
ARCH 125 RESIDENTIAL ARCHITECTURE 2



12

IL TRUNFO SULL'AFFLIZIONE
ARCH 120 RESIDENTIAL ARCHITECTURE 1

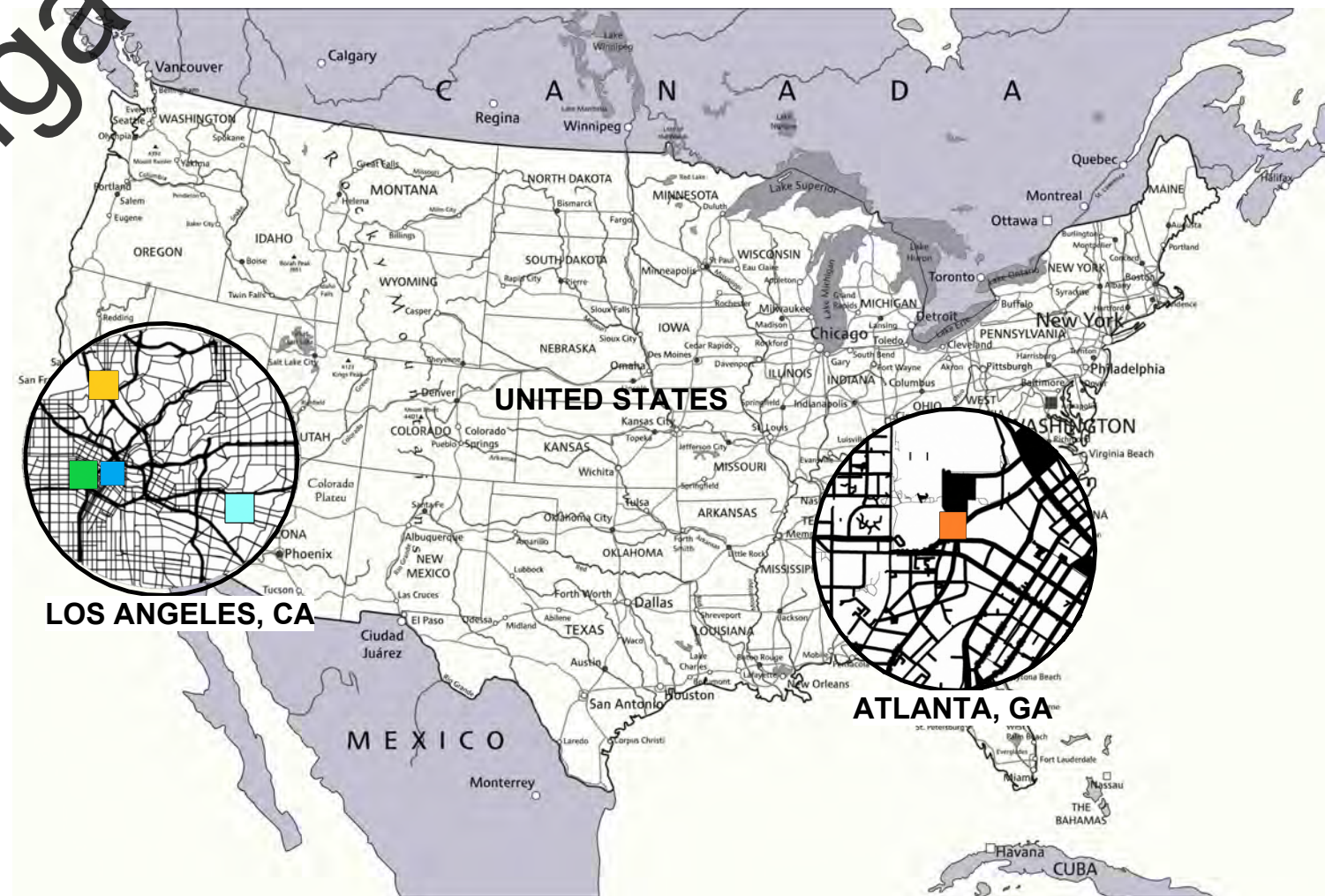


16

COMMUNITY GROWTH CENTER
ARCH 135 COMMERCIAL ARCHITECTURE 2



20



Glendale Community College
Rachel Zuniga Coronado

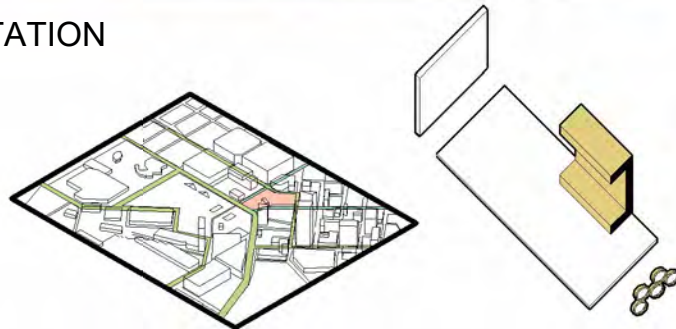


Vision Within Reach

What makes America such a desirable place is the concept of the American dream. The American dream consists of being entitled to life, liberty, and the pursuit of happiness. Vision within Reach is a center that is the embodiment of Life, Liberty, and the pursuit of happiness. The central atrium that connects all three elements represents the Vision toward the American dream. The building has a wood frame that is designed to represent the shape of two hands that focus the view from Centennial Park's Olympic Sculpture to a Martin Luther King Mural. Vision within Reach is the vision of a clear path to achieve the American dream.

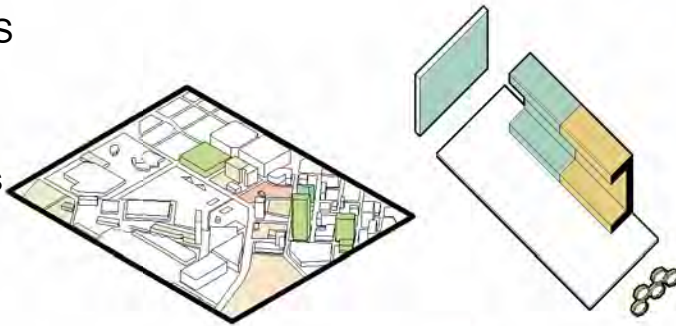
PUBLIC TRANSPORTATION

- PROJECT SITE
- ATLANTA TRAM CAR
- BUS ROUTES



ACCESS NECESITIES

- PROJECT SITE
- APARTMENTS
- PROFESSIONAL OFFICES
- PARKING



PUBLIC SPACES

- PROJECT SITE
- PARKS
- GOVERNMENT OFFICES



ENTERTAINMENT

- PROJECT SITE
- RESTAURANTS
- SHOPPING
- THINGS TO DO
- HOTELS



LIFE

LIFE=CELEBRATION

SUPPORTING PROGRAMS:

- EXTERIOR EVENT SPACE
- MULTIFUNCTIONAL ENTRANCE LOBBY

LIBERTY

LIBERTY=EDUCATION

SUPPORTING PROGRAMS:

- COMPUTER LAB
- ADAPTABLE CLASSROOM SPACES

THE PURSUIT OF HAPPINESS

THE PURSUIT OF HAPPINESS = FINDING STABILITY

SUPPORTING PROGRAMS:

- PRIVATE LEGAL OFFICES
- 8 SERVICE STATIONS

THE AMERICAN DREAM

THE PATH TOWARDS THE AMERICAN DREAM

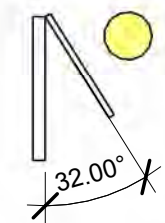


FLOOR PLAN

LEGEND

WELCOME AREA	ADMIN	SUPPORT SERVICES	CLASSROOMS	MISC
1. EXTERIOR EVENT SPACE	4. ADMIN BREAK ROOM	7. PRIVATE LEGAL OFFICES	9. COMPUTER LAB	11. RESTROOMS
2. MULTIFUNCTIONAL LOBBY	5. PRIVATE CONFERENCE ROOM	8. SERVICE STATIONS	10. ADAPTABLE CLASSROOMS	12. JANITORS CLOSET
3. CENTRAL ATRIUM	6. DIRECTOR OFFICE			13. SERVICE CORRIDOR
				14. ACCESS TO UTILITIES

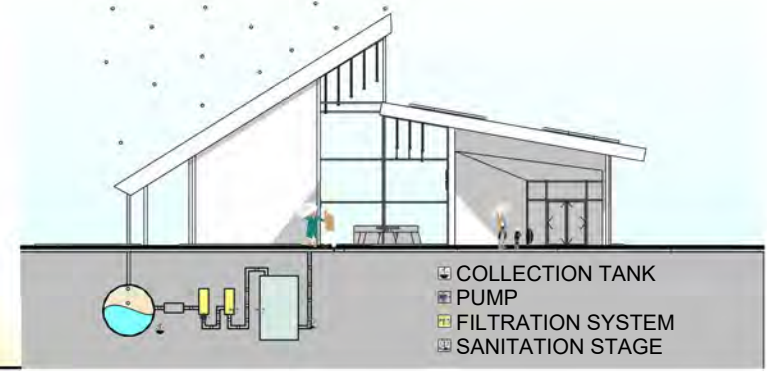
COLDEST MONTH: JANUARY
34.9 F TO 39 F



WETTEST MONTH: JULY
4.82" AVG



HEATING IN WINTER- TRANSVERSE SECTION



EAST ELEVATION-RAINWATER HARVESTING

120' 60' 30' 15' 0'



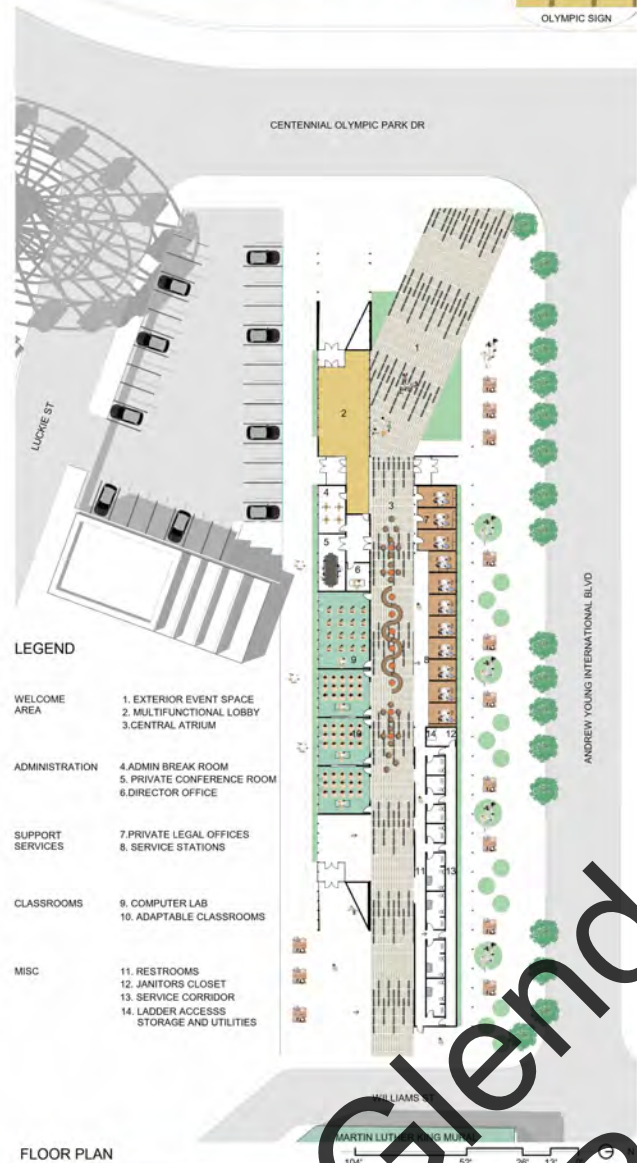
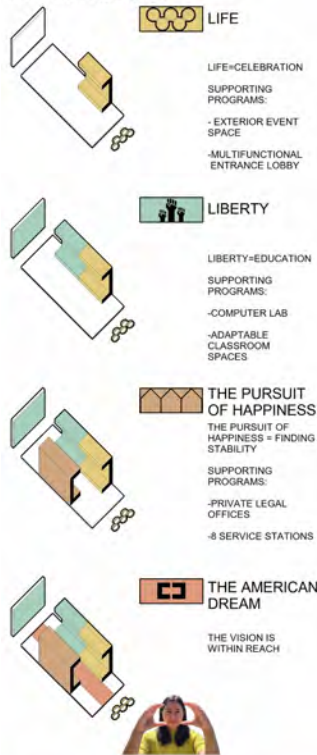
2023-003
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CONCEPT DIAGRAM



FRAMING PROGRAMS



FLOOR PLAN

STREET VIEW - SUNSET CONCERT



VISION OF LIFE



TRANSVERSE SECTION CUT-LIFE



THE PURSUIT OF HAPPINESS



TRANSVERSE SECTION CUT-HAPPINESS



VISION OF LIBERTY



TRANSVERSE SECTION CUT-LIBERTY



AERIAL VIEW



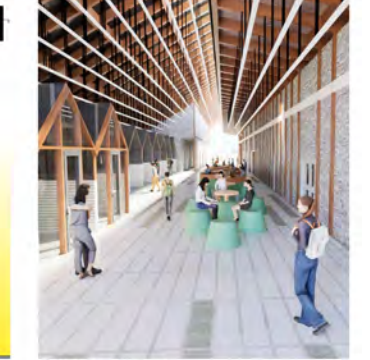
VIEW TOWARD CENTENNIAL OLYMPIC PARK



MULTIFUNCTIONAL LOBBY AREA



COOLING IN SUMMER- TRANSVERSE SECTION



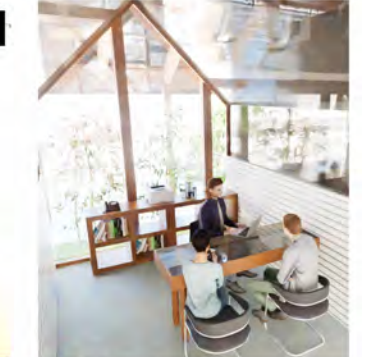
CENTRAL ATRIUM



SERVICE STATIONS



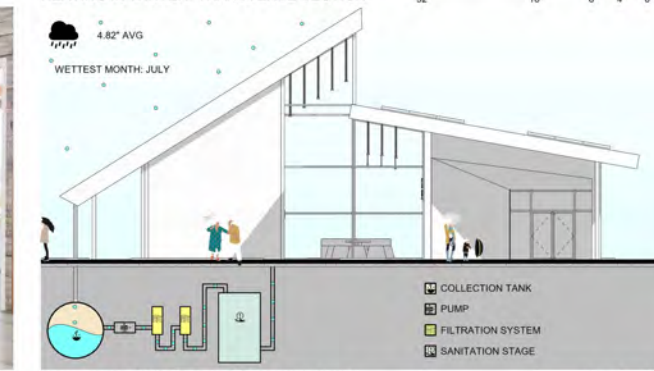
HEATING IN WINTER- TRANSVERSE SECTION



PRIVATE LEGAL OFFICE



VIEW TO CLASSROOM



EAST ELEVATION-RAINWATER HARVESTING



EXIT LOBBY



VIEW TOWARD WILLIAMS STREET

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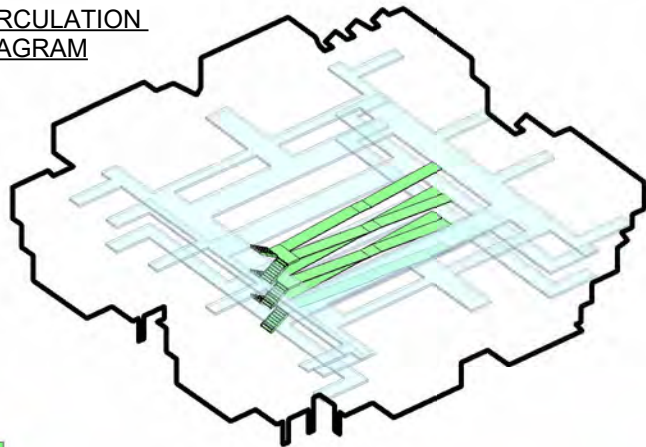


CUMULUS CLOUD HABITAT

The Cumulus Cloud is **Temporary** and it can go anywhere. The Cumulus Cloud Habitat is a building concept that can be built on any surface and floats above the ground on columns. It is designed to be a sustainable and eco-friendly living space that is in harmony with nature. The building is inspired by the cumulus cloud, which is a type of cloud that has a flat base and a puffy, cotton-like appearance.

With the Cumulus Cloud Habitat we can provide **Affordable Transitional Housing** for veterans and struggling families. In Los Angeles, car parking takes up 17,020,594 square meters of land. Cars spend around 95% of the time parked, and only 5% of the time in use. There are rising number of empty malls and dealerships in town. By repurposing the empty seas of parking lots into living spaces, we can provide housing to those suffering in the housing crisis.

CIRCULATION DIAGRAM

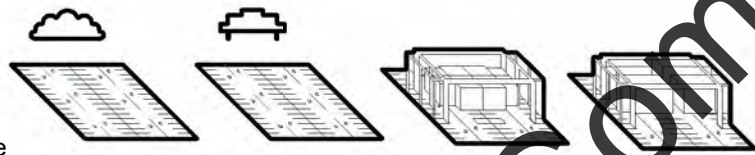


■ VERTICAL CIRCULATION
■ HORIZONTAL CIRCULATION

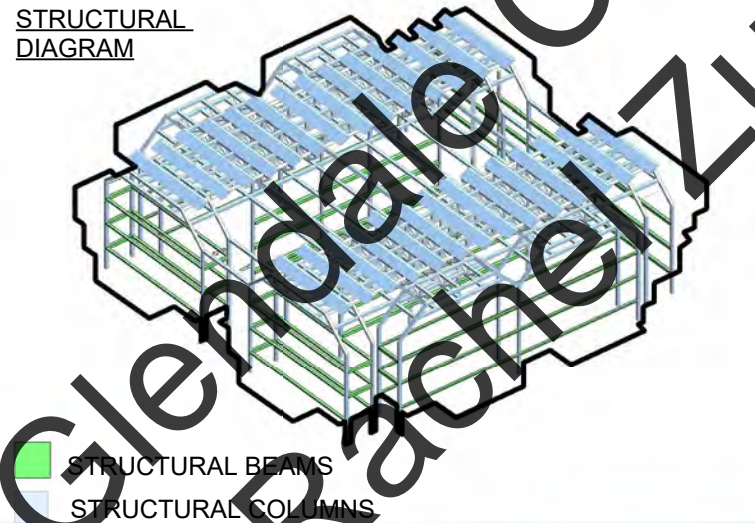
CONCEPT DIAGRAM



PARTI DIAGRAM



STRUCTURAL DIAGRAM



■ STRUCTURAL BEAMS
■ STRUCTURAL COLUMNS

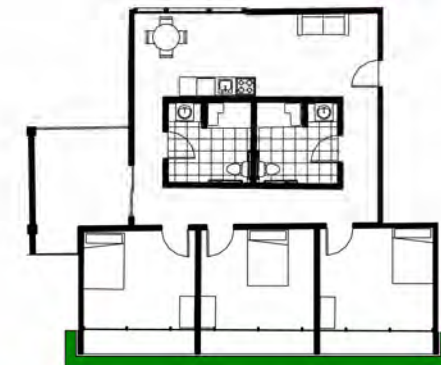


CUT AWAY SECTION CUT

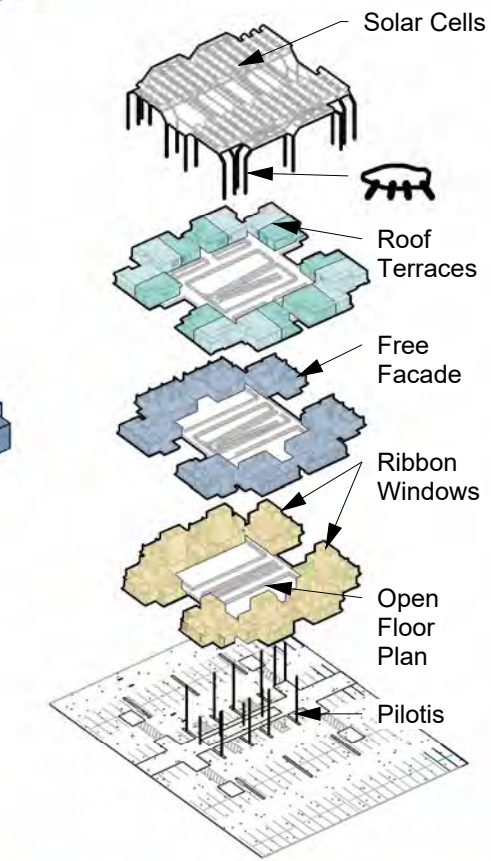
ONE BEDROOM UNIT
 Located on the 3rd Floor
 Eight Units In One Habitat



THREE BEDROOM UNIT
 Located on the 2nd Floor
 Eight Units In One Habitat



FIVE POINTS OF ARCHITECTURE



TWO BEDROOM UNIT
 Located on the 3rd Floor
 Eight Units In One Habitat



FOUR BEDROOM UNIT
 Located on the 1st Floor
 Eight Units In One Habitat



CUMULUS CLOUD HABITAT

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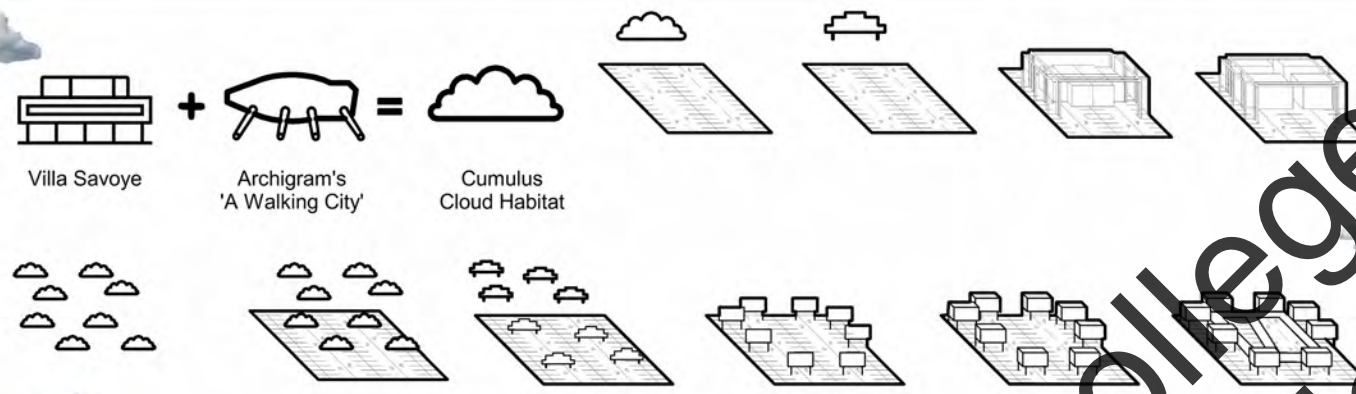
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Mall with "Sea of Parking"



Central Circulation

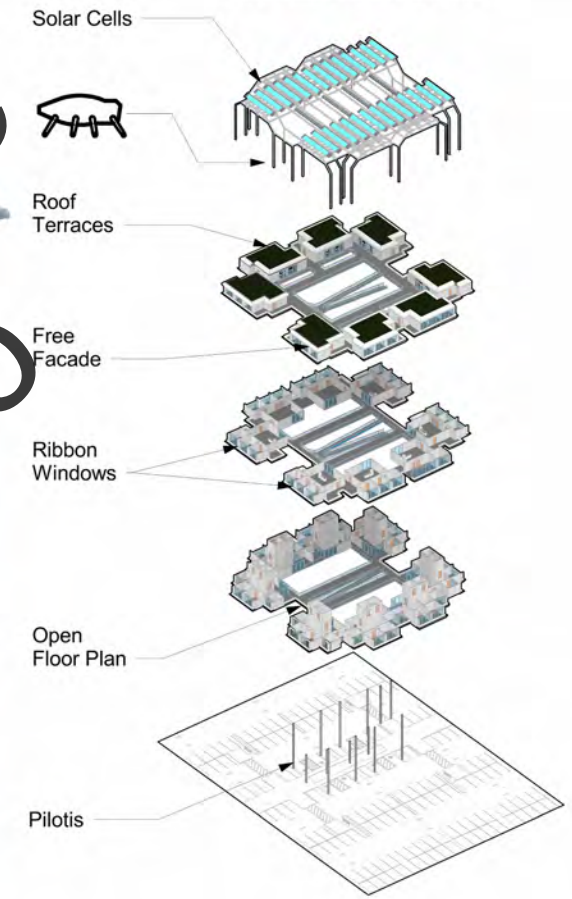


Parking Level- Ramp View



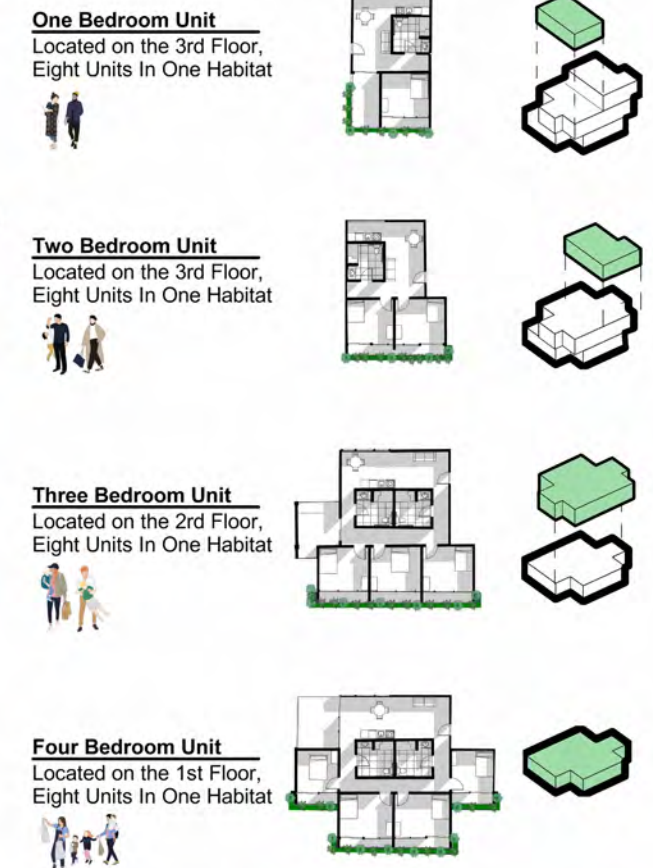
Level 2-Bedroom View

Five Points of Architecture



Overall View of The Cumulus Cloud Habitat

One Branch of the Habitat Consists of Four Parts



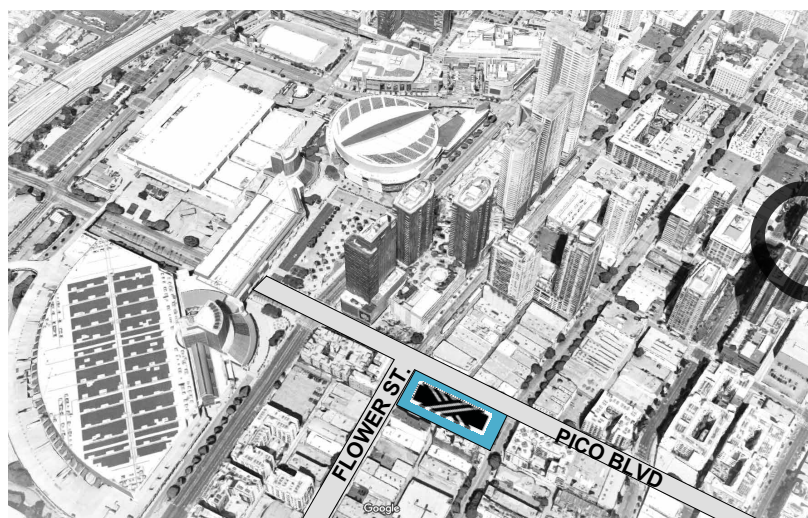


STREET VIEW-PICO BLVD AND FLOWER ST



World Stage Arena

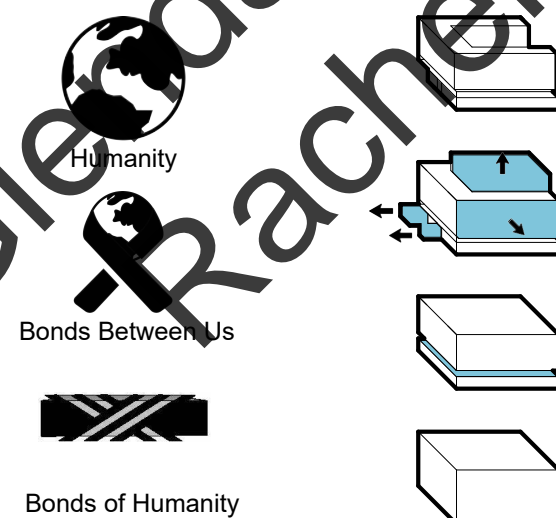
The World Stage Arena is a place for athletes, with various disabilities, from around the world to showcase their skills and train with the best in their fields. This paralympic training facility allows everyone to be apart of the audience. From any living unit, participants can see the passion and hard work of each of their peers. All stadiums are stages where the audience can watch the bonds of humanity. The World Stage Arena is not a place for competition it is a place where athletes can spread inspiration and prepare for the Paralympic Games.



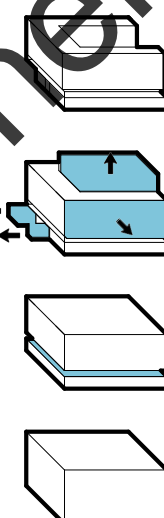
508 W. PICO BLVD, LOS ANGELES, CA



CONCEPT DIAGRAM



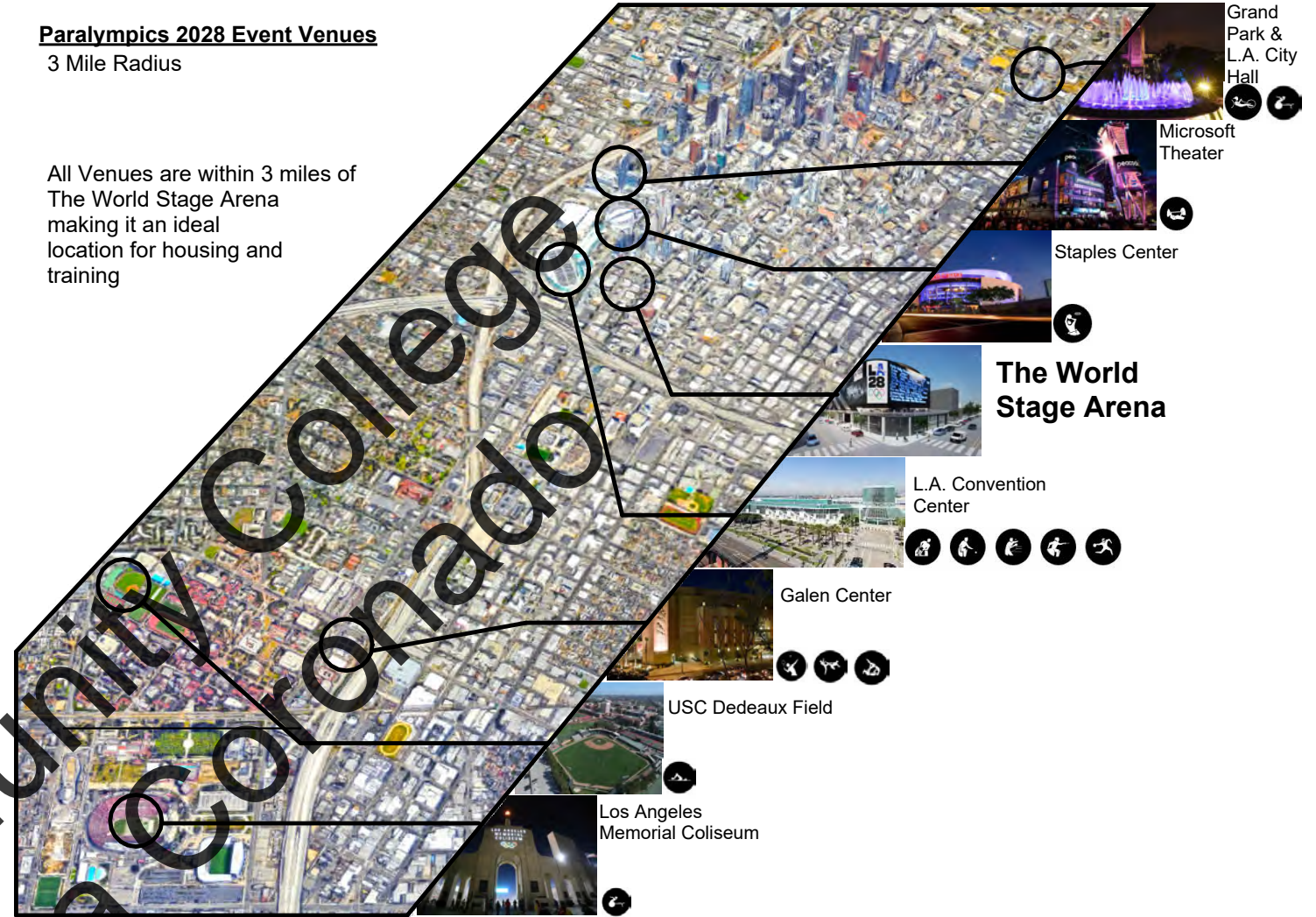
PARTI DIAGRAM



Paralympics 2028 Event Venues

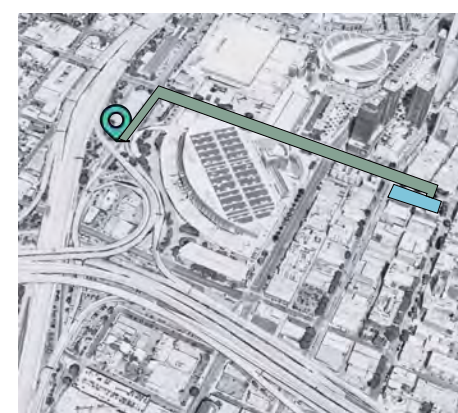
3 Mile Radius

All Venues are within 3 miles of The World Stage Arena making it an ideal location for housing and training



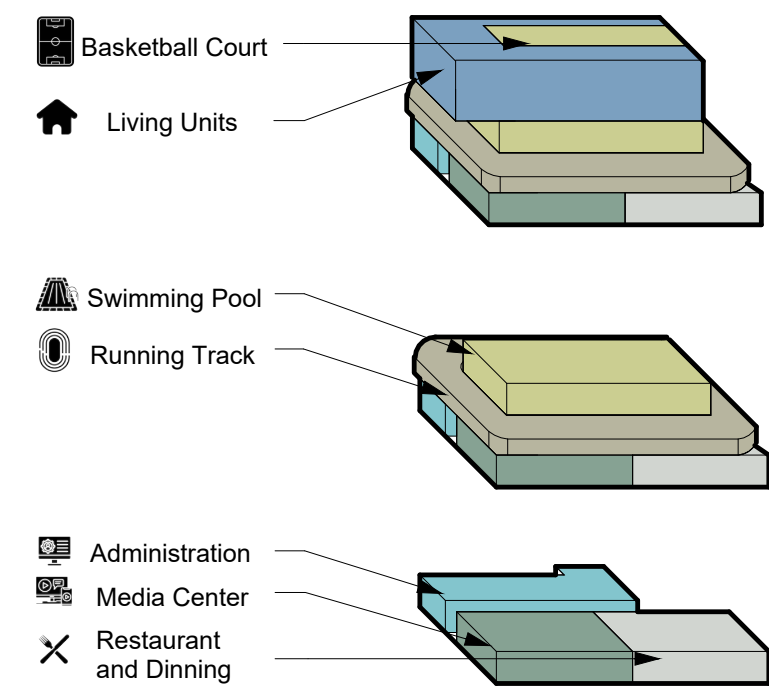
PICO STATION IS STOP TO METRO A LINE, GOING FROM DOWNTOWN LONG BEACH TO DOWNTOWN AZUSA

METRO ACCESS



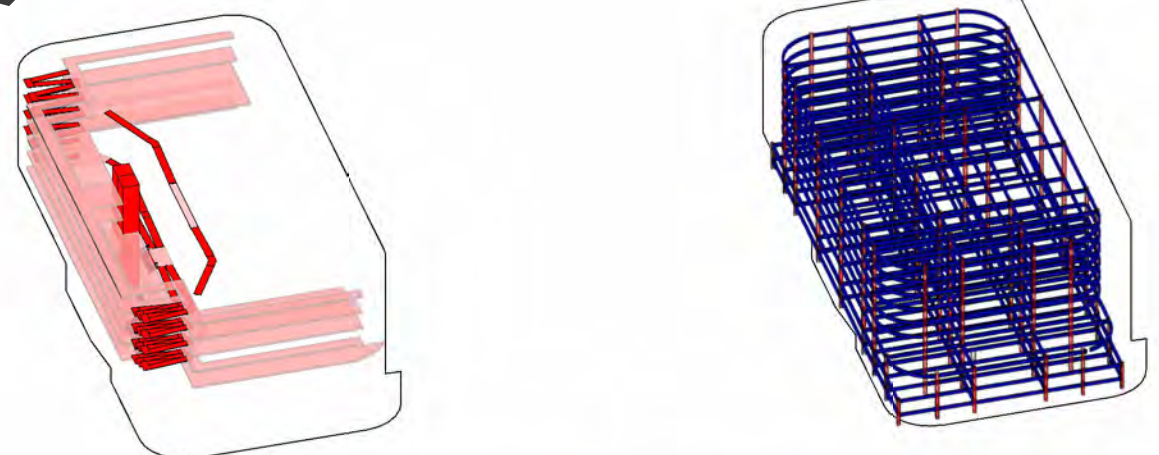
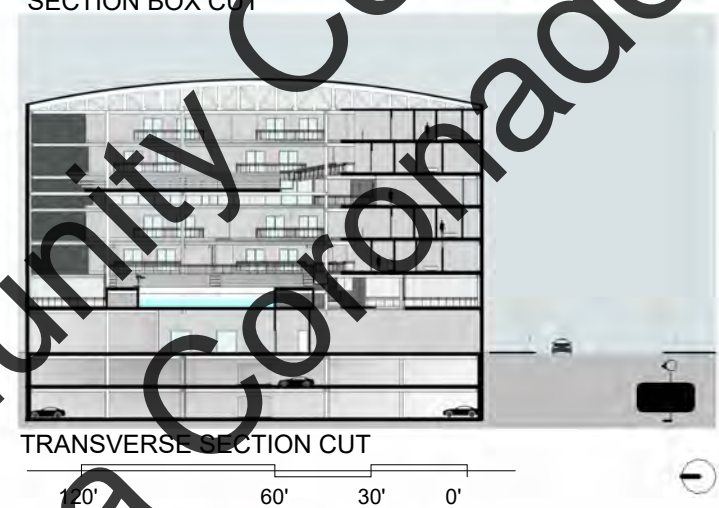
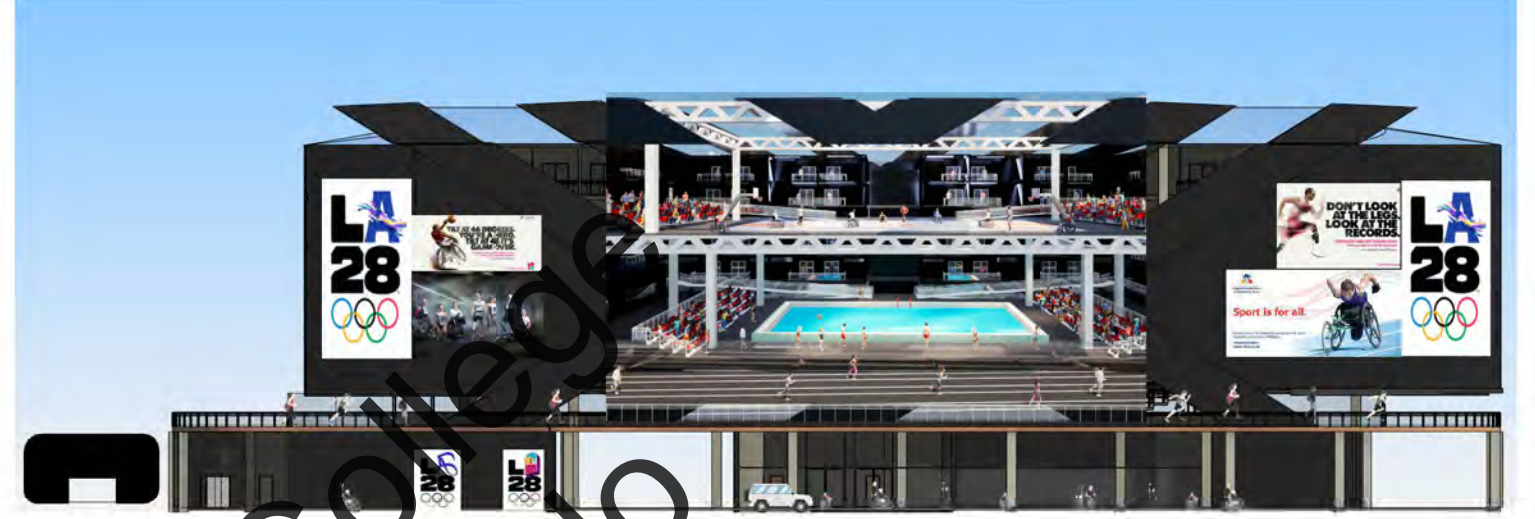
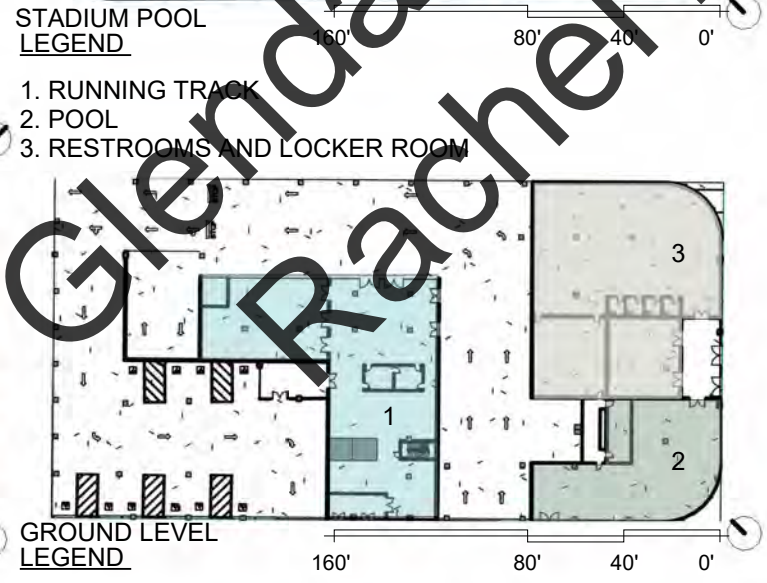
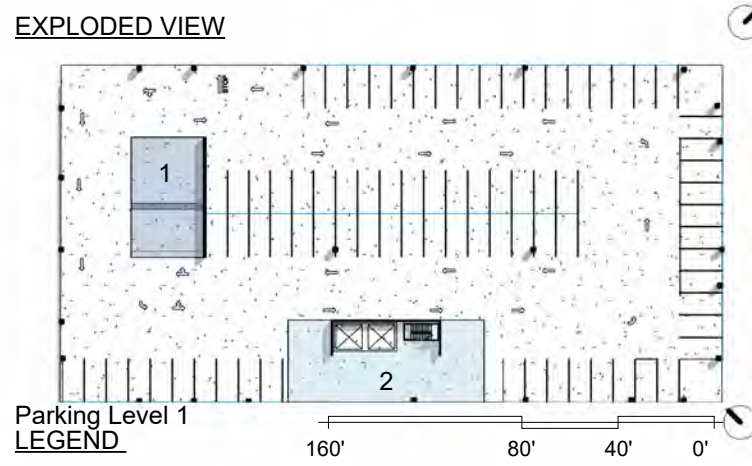
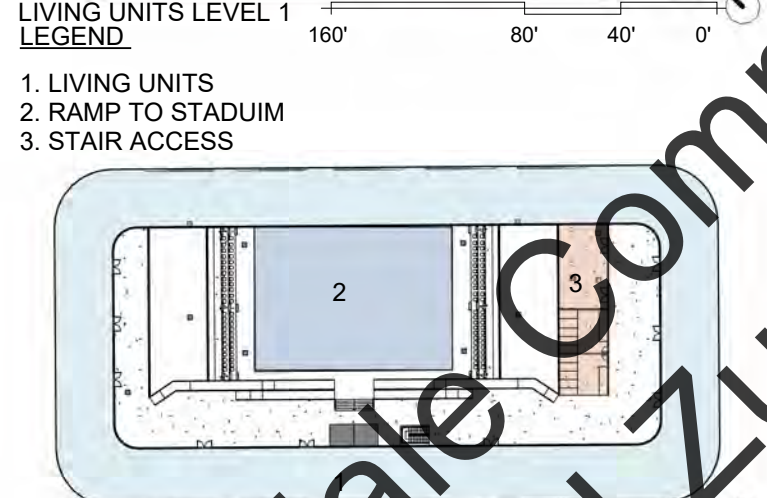
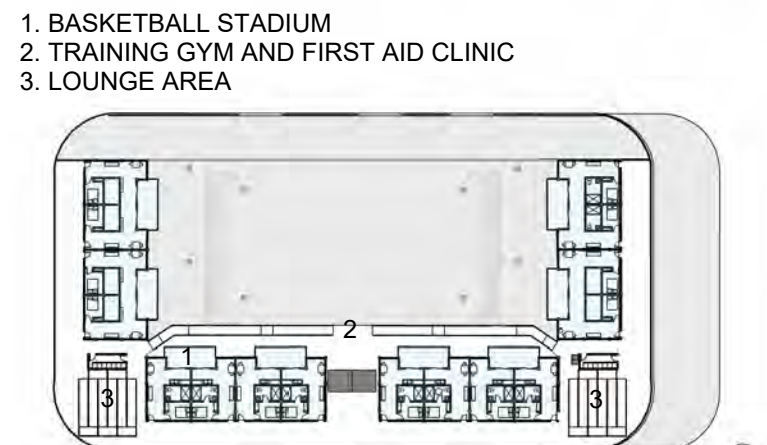
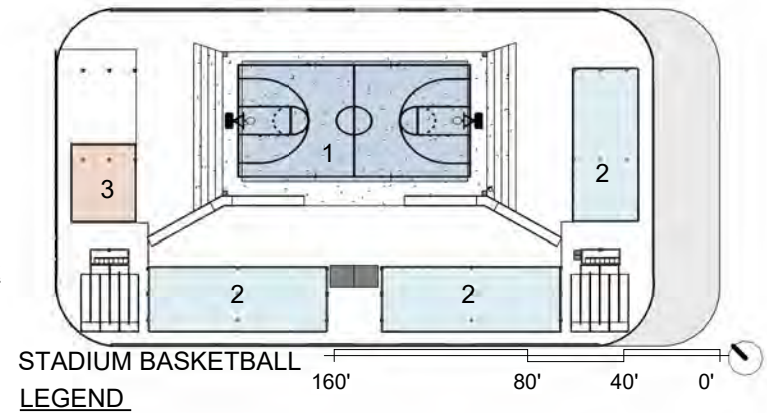
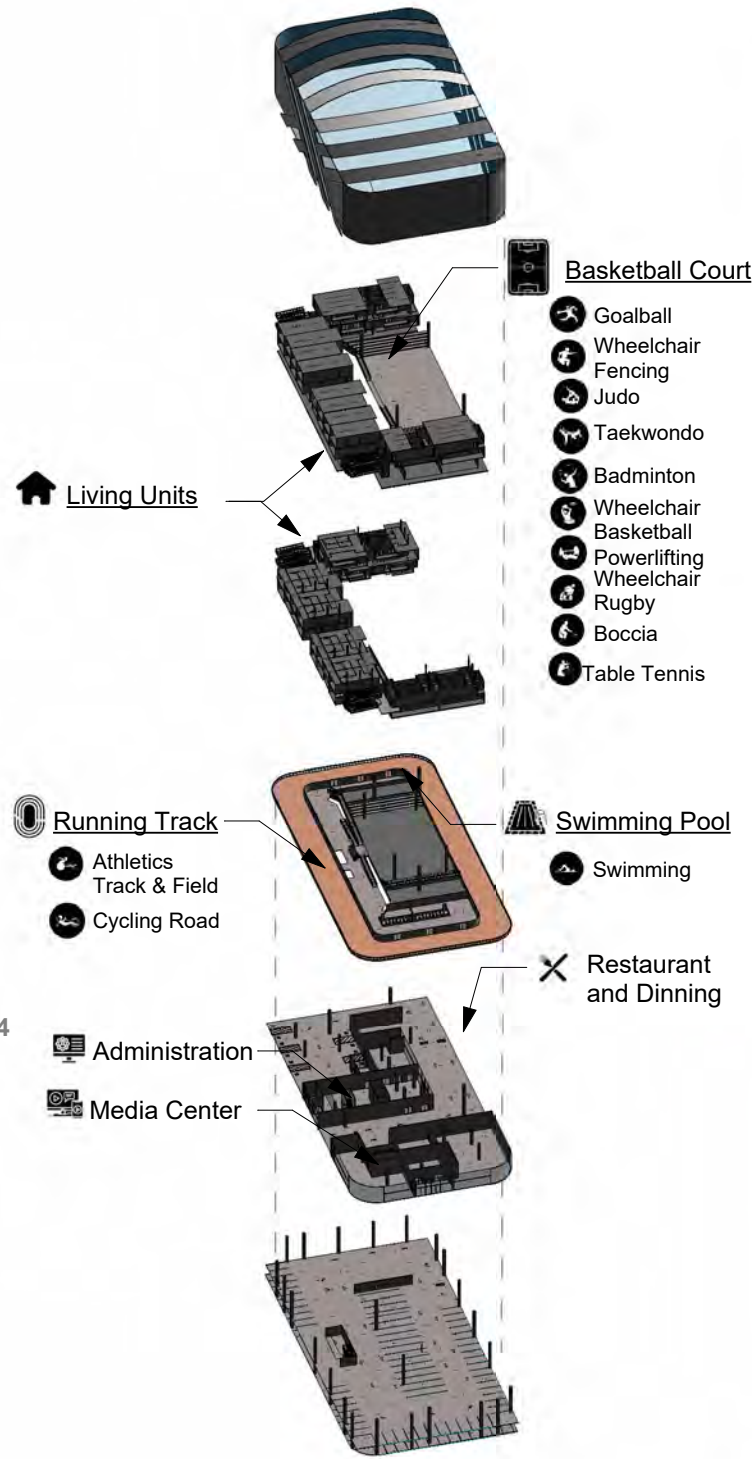
ENTRANCE TO 110 FREEWAY AND 10 FREEWAY IS JUST TWO BLOCKS AWAY FROM SITE.

FREEWAY ACCESS



PROGRAM DIAGRAM





1. RAMP
2. ELEVATOR AND STAIR ACCESS

1. ADMINISTRATION
2. CAFETERIA
3. MEDIA CAFE

VIEW TO STADIUM 1

VIEW TO STADIUM 2



THREE STAGES IN THE LIFE OF BEATRICE VIO



CHILDHOOD



ILLNESS



PARALYMPIC CHAMPION

Stage 3- Conquering Illness

She became the first fencer in the world without hands and two years later she won the World cup in Montreal 2013.

Stage 2 - Contraction of Meningitis

At 12 years old, Beatrice Vio suffered from severe meningitis and had to have all four limbs amputated.

Stage 1 - Childhood before Illness

Beatrice Vio was born in Venice, Italy. Since she was 5 years old, she was passionate about fencing. She was Nationally ranked in Italy.

Transportation to the Past

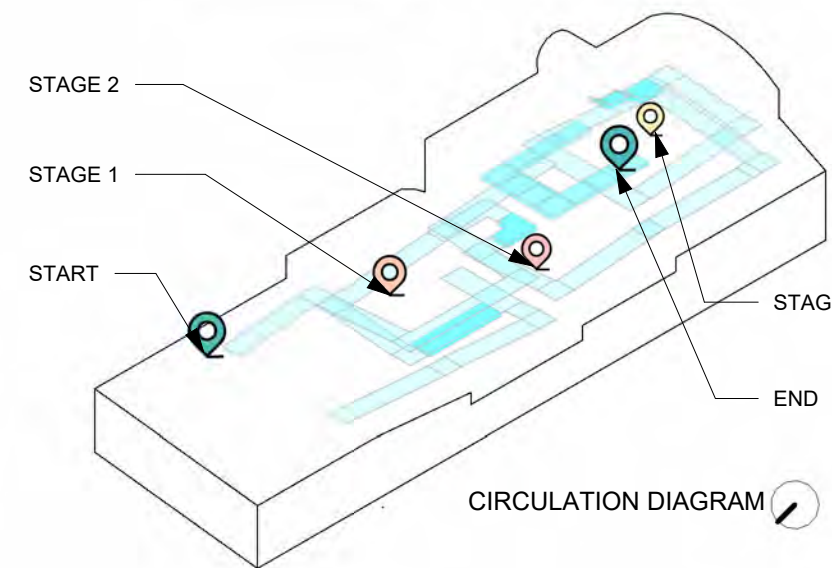
Just like these water buses take tourists and locals alike to various destinations in Venice, Italy; the circulation is ment to take visitors on the journey to her past.



STAGE 2



STAGE 1



CIRCULATION DIAGRAM

IL TRIONFO SULL'AFFLIZIONE

IL TRIONFO SULL'AFFLIZIONE is Italian for Triumph over Affliction. Beatrice Vio is the first wheelchair fencer without hands and IL TRIONFO SULL'AFFLIONE is a tribute to her story and the reflection of her past. The ramp systems are accomidating for both prosthetic leg and wheelchair access to the entire property. Inspired by the canals of Venice, the circulation wraps around each section of the house and takes visitors on a journey that tells her story.

" My name was the Rising Phoenix because the phoenix can live and die and burn and live again"

- Beatrice Vio

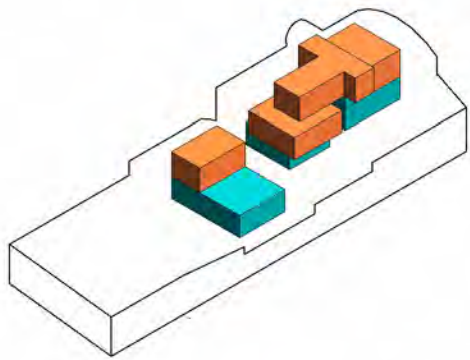


708 E. PALMER AVE., GLENDALE, CA



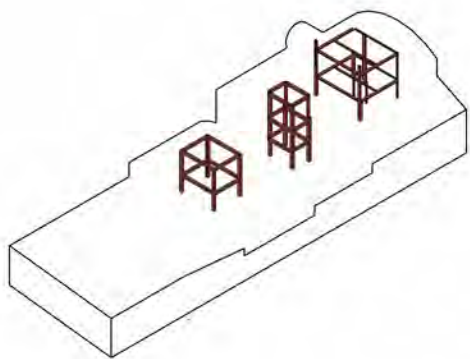
PROGRAM DIAGRAM



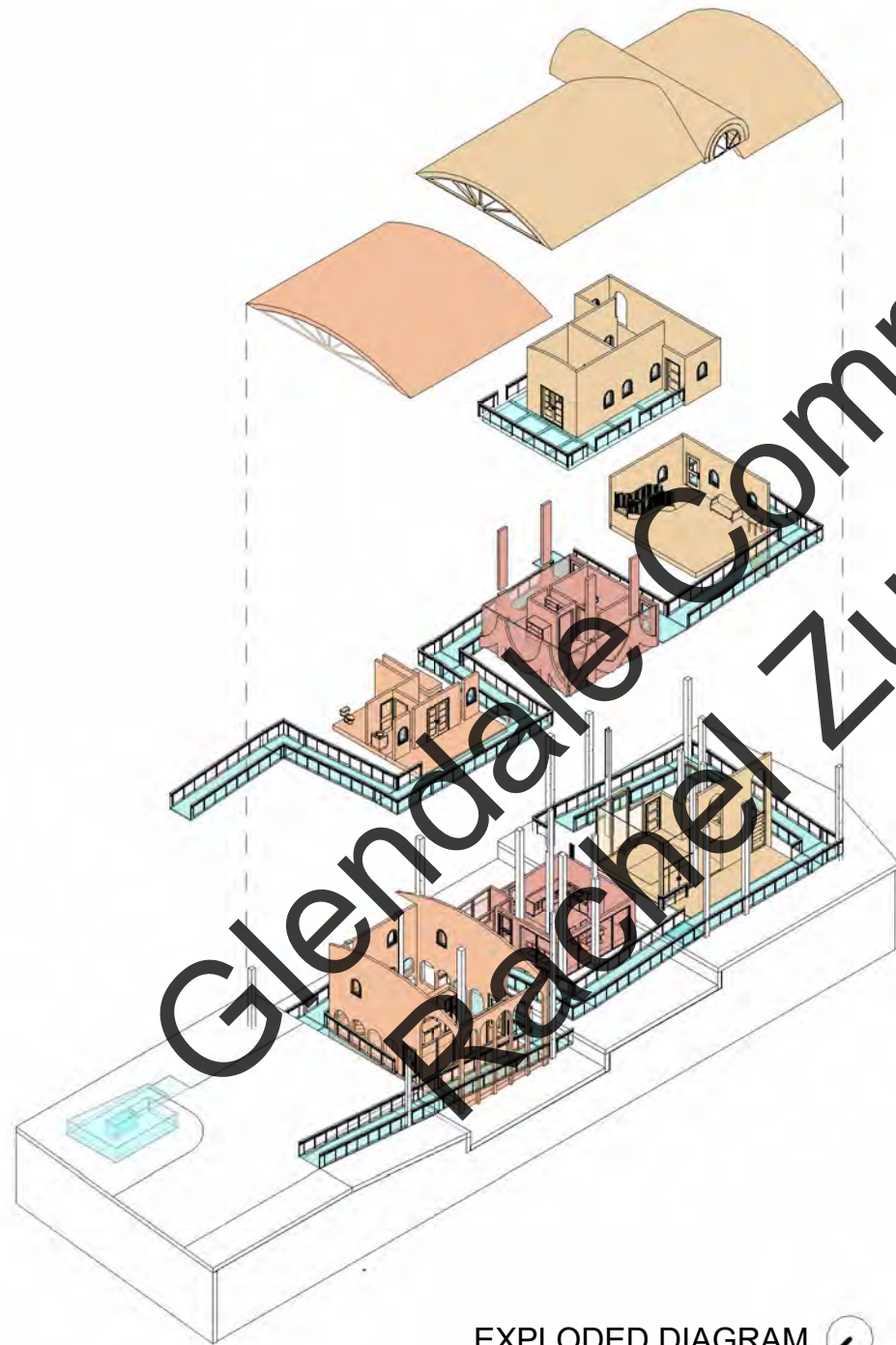


18
 ● PRIVATE
 ● PUBLIC

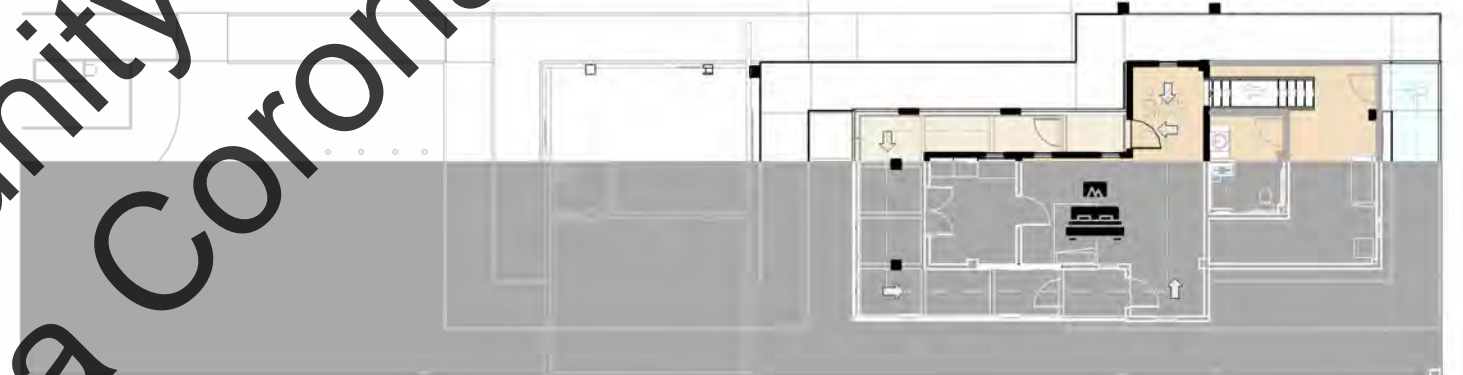
PROGRAM DIAGRAM



STRUCTURAL DIAGRAM



EXPLODED DIAGRAM



LEVEL 3- FLOOR PLAN:LOOKOUT PLATFORM



LEVEL 2- FLOOR PLAN:BEDROOMS



LEVEL 1-FLOOR PLAN : LIVING ROOM, KITCHEN AND TRAINING GYM

Glendale Community College
 Rachel Zuniga Coronado



STREET VIEW-ALVARADO ST. AND WILSHIRE BLVD

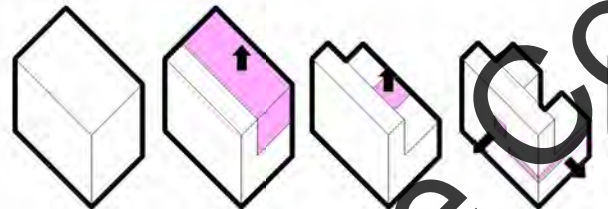
Community Growth Center

Community Growth Center is a place to cultivate a better tomorrow. This name emphasizes the idea of a place where people can come together to grow and develop, both as individuals and as a community. A building that is equipt to cultivate for a better tomorrow with retail stores, housing, and a daycare. The retail stores and housing provide opportunities for economic growth and stability, while the daycare offers a safe and nurturing environment for children to learn and play. The site is perfectly placed, at the center of a park, hospital, and has a direct connection to public transportation.

Community Growth Center is also designed address security. There is separate circulation for the public and tenants. Those who are coming in from the metro station can get on the elevator that only reaches the second floor retail space. All those who wish to go higher than the public shopping floor will have to enter the tenant lobby and pass reception to get to the elevators.



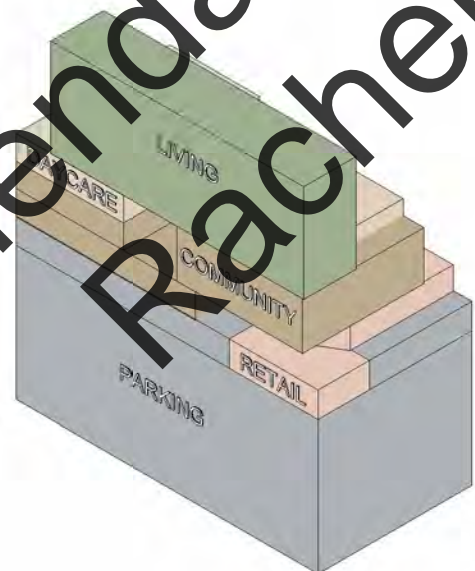
CONCEPT DIAGRAM



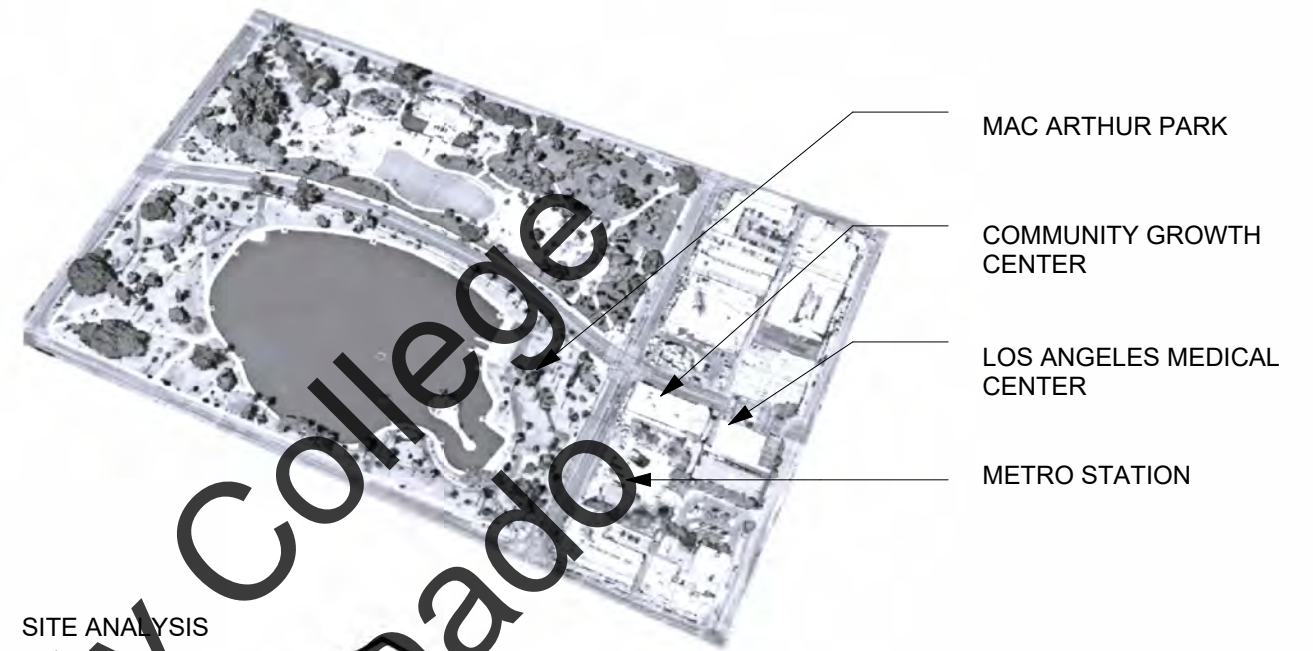
PARTI DIAGRAM



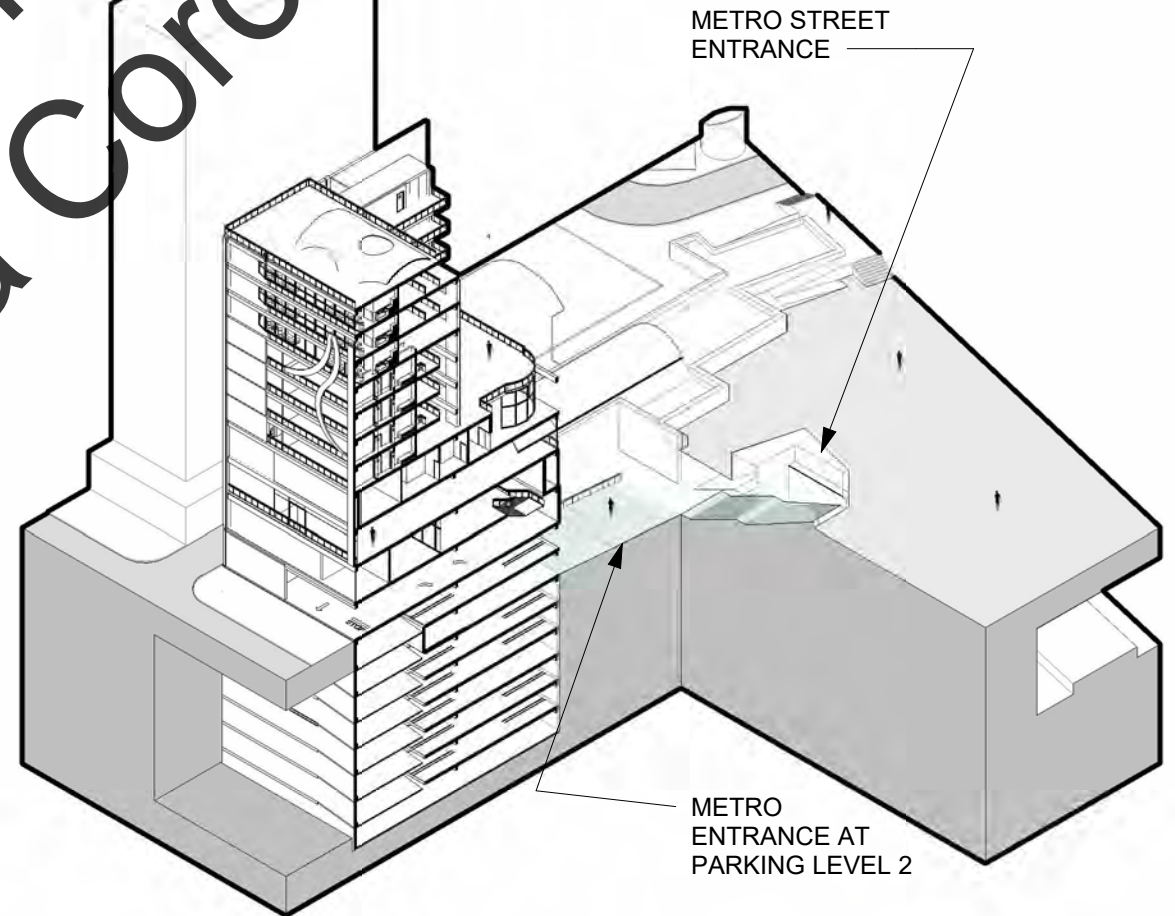
650 ALVARADO STREET, LOS ANGELES, CA



PROGRAM DIAGRAM



SITE ANALYSIS



METRO ENTRANCES- CUT AWAY SECTION CUT



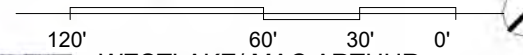
MAC ARTHUR AMENITIES

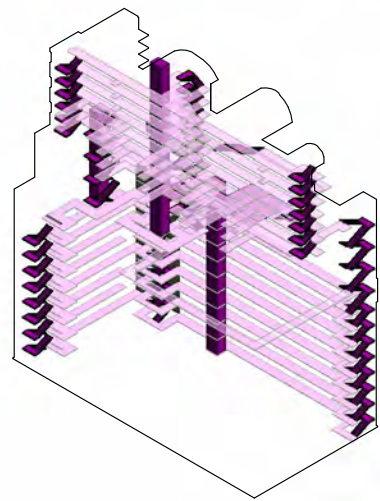
- FOOTBALL FIELD
- LEVITT PAVILION
- J.U.I.C.E. LIVE MUSIC VENUE



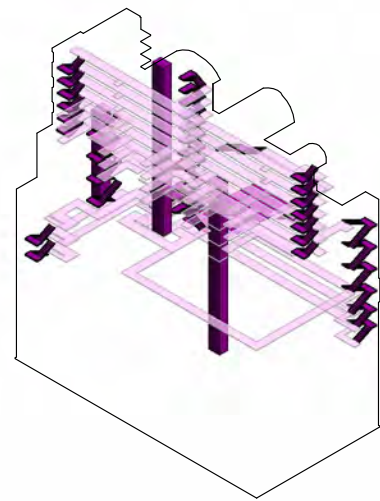
WESTLAKE/ MAC ARTHUR METRO STATION

- ACCESS TO METRO B LINE
- ACCESS TO METRO D LINE

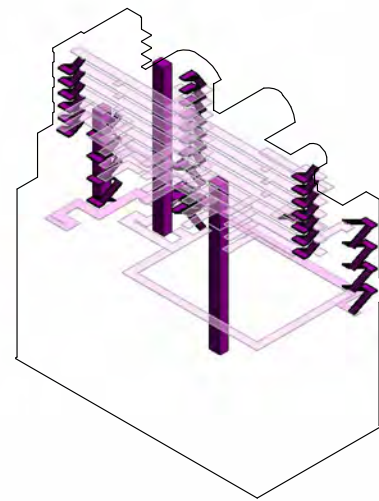




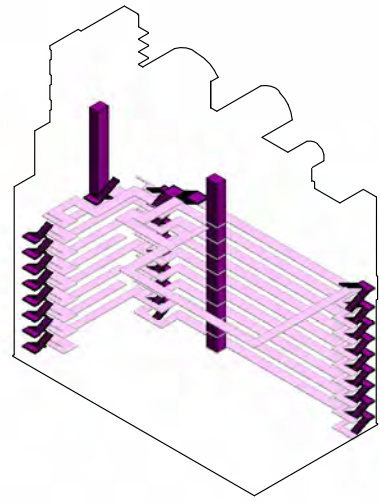
CIRCULATION FROM PARKING TO LIVING UNITS



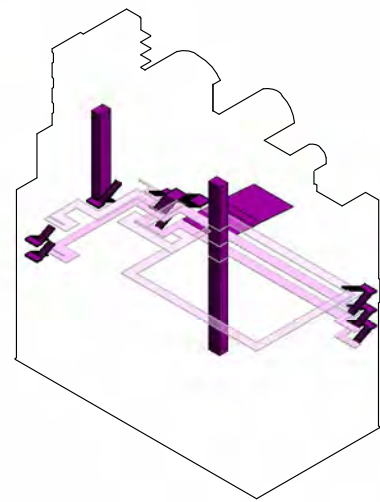
CIRCULATION FROM METRO TO LIVING UNITS



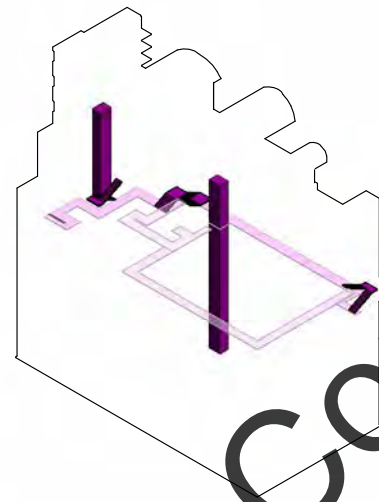
CIRCULATION FROM STREET TO LIVING UNITS



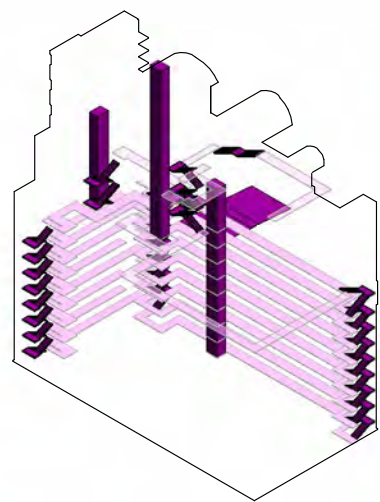
CIRCULATION FROM PARKING TO COMMUNITY CENTER



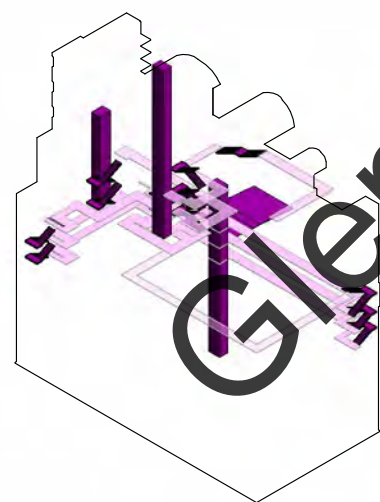
CIRCULATION FROM METRO TO COMMUNITY CENTER



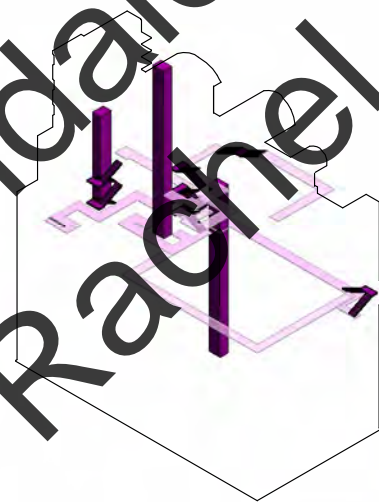
CIRCULATION FROM STREET TO COMMUNITY CENTER



CIRCULATION FROM PARKING TO DAYCARE



CIRCULATION FROM METRO TO DAYCARE



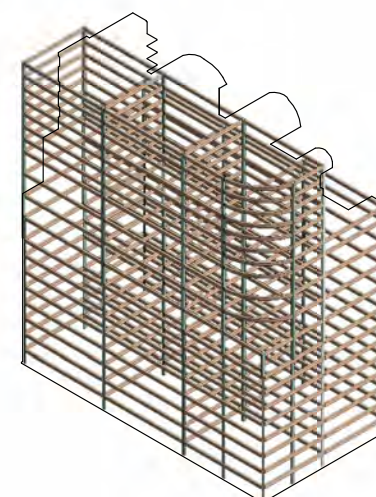
CIRCULATION FROM STREET TO DAYCARE



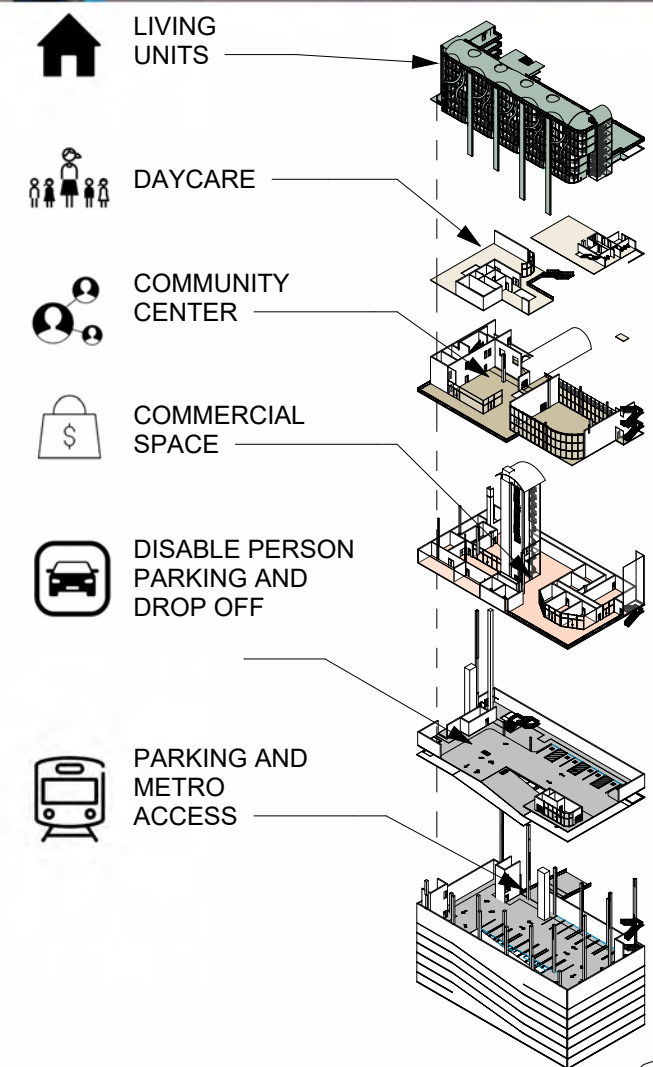
NORTH ELEVATION

COMMUNITY GROWTH CENTER

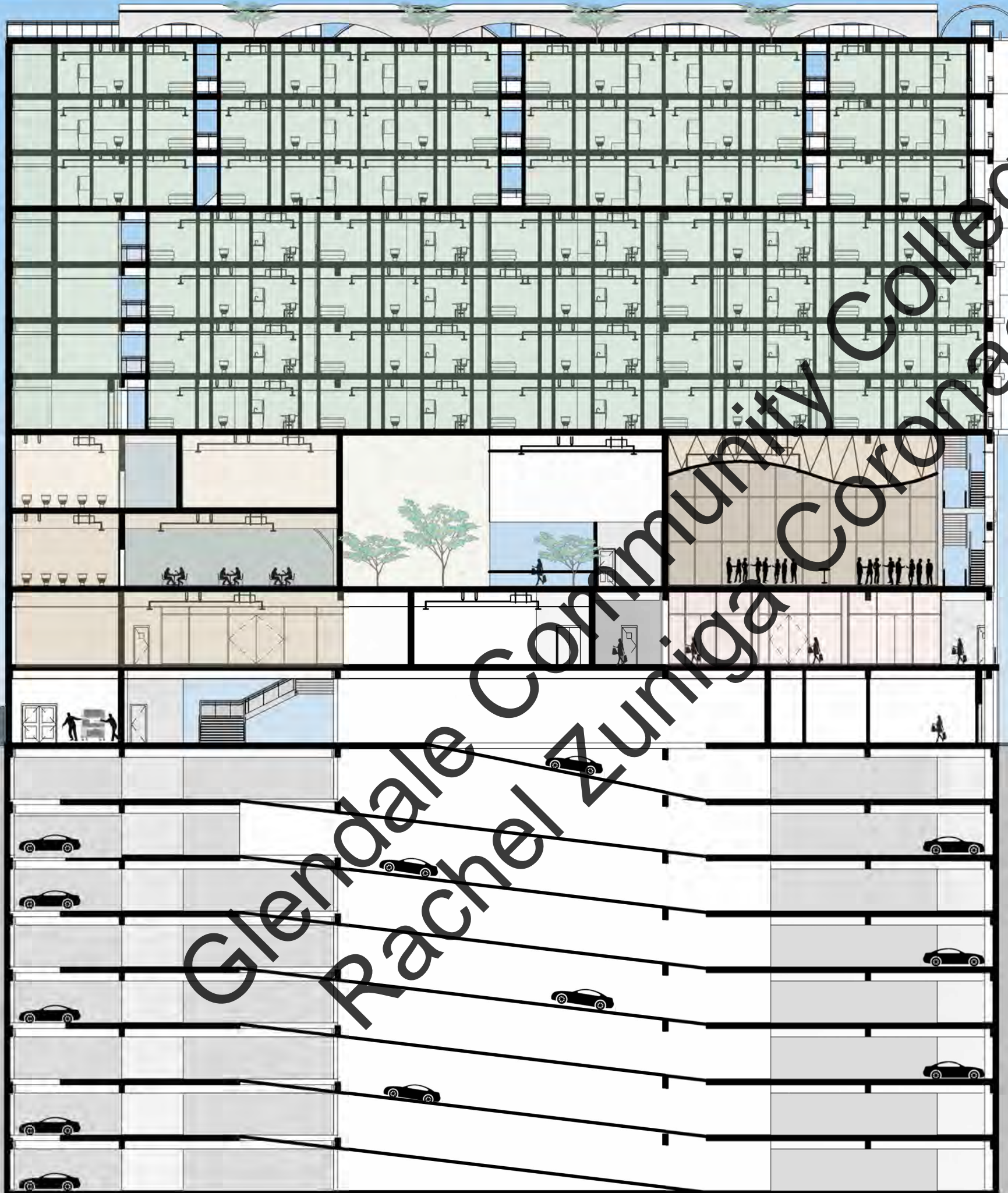
- Advantageous Location- Near Park, Hospital, and Public Transportation
- Economical- Renting Commercial Space helps lower cost of living
- Community Space- Cafeteria, Event Hall, and Community Gardens
- Daycare- Help Families free up time for personal growth.



STRUCTURAL DIAGRAM



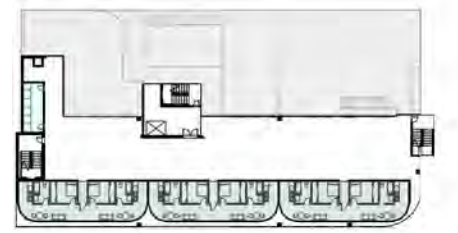
EXPLODED DIAGRAM



LONGITUTINAL SECTION CUT

LEGEND

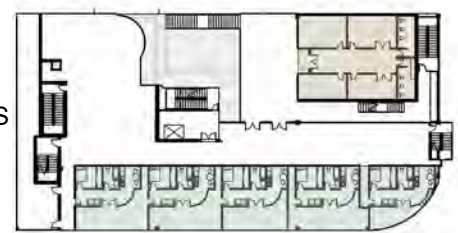
- LIVING UNITS
- CENTRAL ELEVATOR
- LAUNDRY ROOM
- TRASH CHUTE



LEVEL 8

LEGEND

- LIVING UNITS
- DAY CARE CLASSROOMS
- TRASH CHUTE



LEVEL 5

LEGEND

- DAYCARE ADMIN OFFICE
- SERVICE CORRIDOR
- TRASH CHUTE



LEVEL 4

LEGEND

- RECREATION CENTER/
- EVENT ROOM
- TRASH CHUTE



LEVEL 3

LEGEND

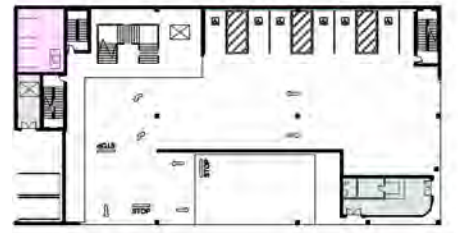
- RETAIL AREA
- BUILDING ADMIN
- SERVICE CORRIDOR
- TRASH CHUTE



LEVEL 2

LEGEND

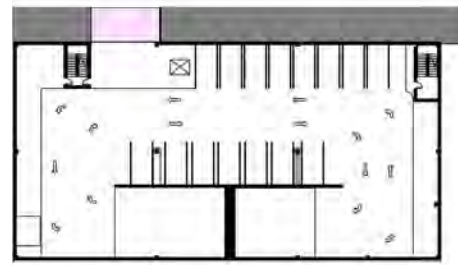
- CORNER CAFE
- SERVICE CORRIDOR
- TRASH PICK UP/CHUTE



GROUND LEVEL

LEGEND

- ENTRANCE TO METRO



PARKING LEVEL 2

THANK YOU



Glendale Community College
Rachel Zuniga Coronado