



# SAN JOSE MASTER PLAN | BASCOM PLAZA

ARC 551 | COMPREHENSIVE DESIGN STUDIO | FALL 2019

PETE GALICK | DIEGO ORTIZ | XIXIAN WU

A VISION FOR THE SANTA CLARA VALLEY MEDICAL CENTER & SAN JOSE CITY COLLEGE AREA

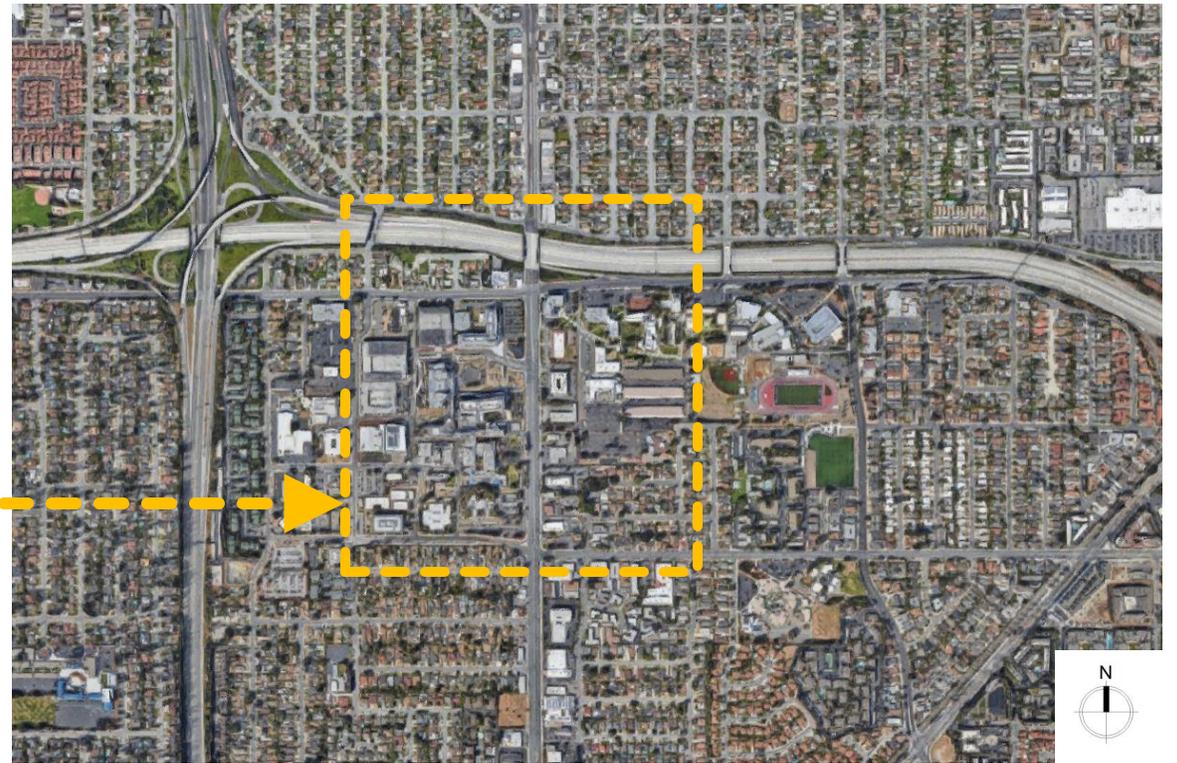
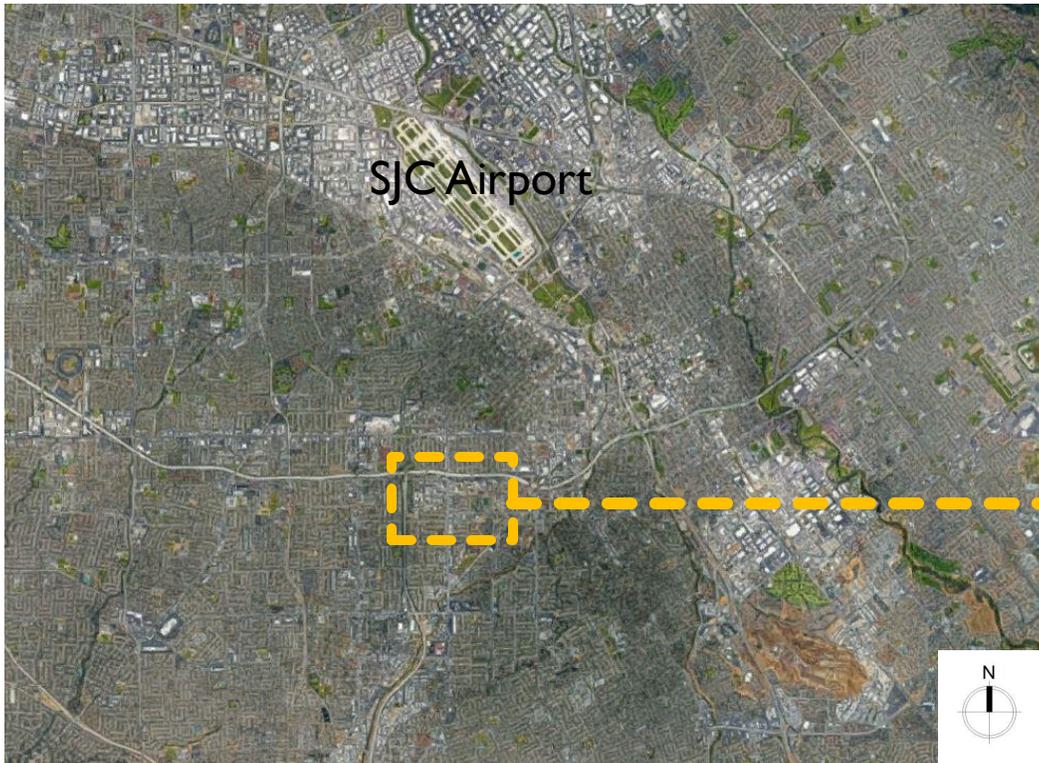
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# THE VISION

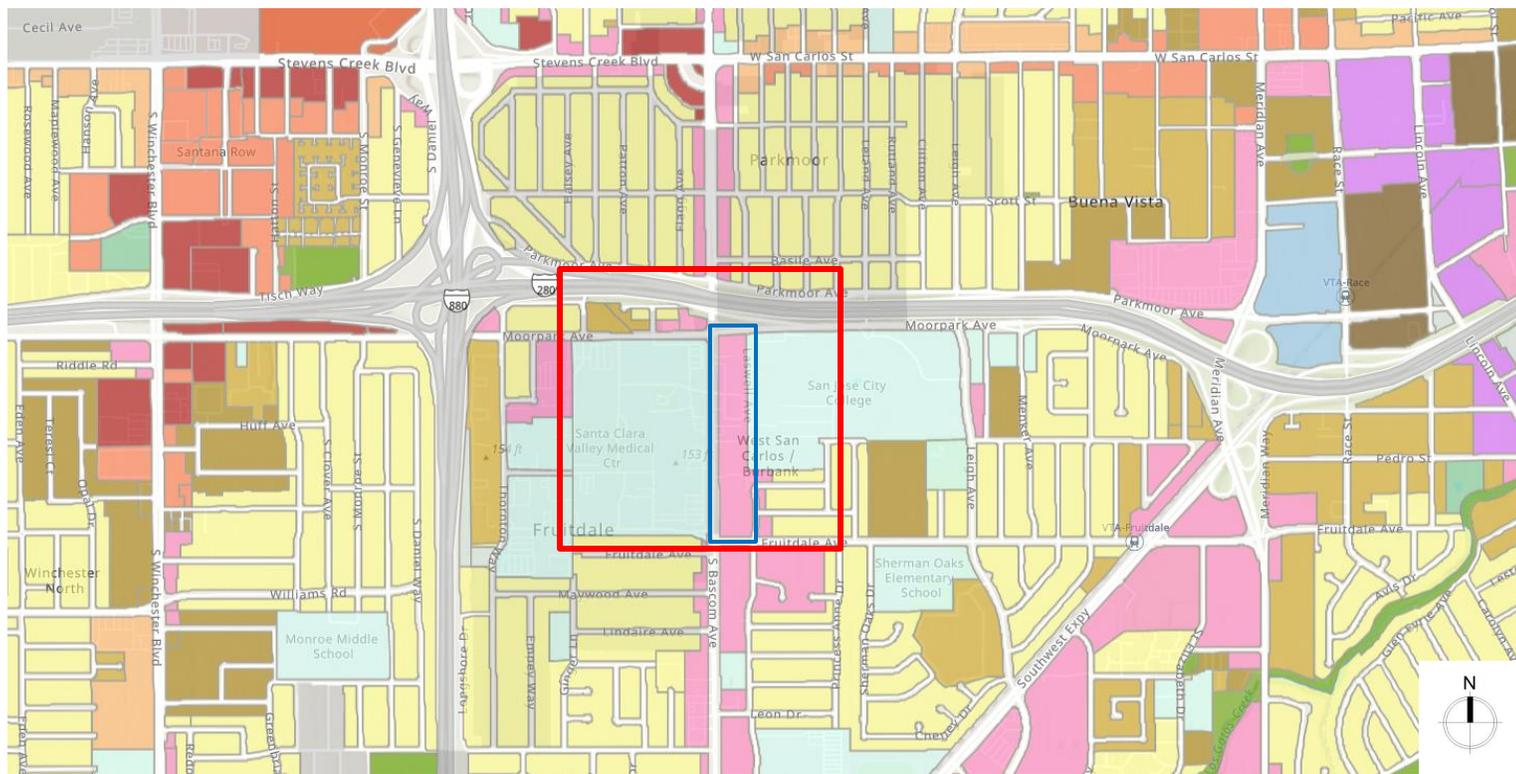
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Our proposal focuses on a rezoning area of San Jose in-between Santa Clara Valley Medical Center and San Jose City College. Our vision for the project places an **importance on creating a stronger connection between users of both the hospital and college**. We believe the creation of **a public green space, along with the implementation of improved public transit** can act as centerpiece for this urban development. The project is anchored by a transportation facility and hotel on the north end and a high-end residential building on the south end. The project also features mixed-use retail and office district aimed at bringing visitors to the area.

# LOCATION: SAN JOSE, CALIFORNIA



# REZONING MAP



## LEGEND

- MASTER PLAN SITE
- REZONING / FOCUS AREA  
(APPROXIMATELY 12 ACRES)

### Legend

#### General Plan 2040

- |   |   |
|---|---|
| <span style="color: green;">■</span> Agriculture                            | <span style="color: blue;">■</span> Heavy Industrial              |
| <span style="color: purple;">■</span> Combined Industrial/Commercial        | <span style="color: lightblue;">■</span> Industrial Park          |
| <span style="color: pink;">■</span> Commercial Downtown                     | <span style="color: lightgreen;">■</span> Light Industrial        |
| <span style="color: lightpurple;">■</span> Downtown                         | <span style="color: peachpuff;">■</span> Lower Hillside           |
| <span style="color: teal;">■</span> Heavy Industrial                        | <span style="color: orange;">■</span> Mixed Use Commercial        |
| <span style="color: green;">■</span> Open Space, Parklands and Habitats     | <span style="color: yellowgreen;">■</span> Mixed Use Neighborhood |
| <span style="color: lightgreen;">■</span> Private Recreation and Open Space | <span style="color: pink;">■</span> Neighborhood/Community Comm   |
| <span style="color: lightblue;">■</span> Public/Quasi-Public                | <span style="color: lightgreen;">■</span> Open Hillside           |
| <span style="color: orange;">■</span> Regional Commercial                   | <span style="color: brown;">■</span> Transit Residential          |
| <span style="color: yellowgreen;">■</span> Residential Neighborhood         | <span style="color: teal;">■</span> Transportation and Utilities  |
| <span style="color: yellow;">■</span> Rural Residential                     | <span style="color: yellowgreen;">■</span> Urban Residential      |
| <span style="color: blue;">■</span> Transit Employment Center               | <span style="color: orange;">■</span> Urban Village               |
| <span style="color: brown;">■</span> Transit Residential                    |   |

#### City of San Jose Boundary



<https://www.arcgis.com/apps/webappviewer/index.html?id=5c1421e8dc7f4839a70781c3924d7440&extent=-13575059.1668%2C4481254.8279%2C-13560536.1314%2C4490389.0528%2C102100>

# FIGURE GROUND MAP

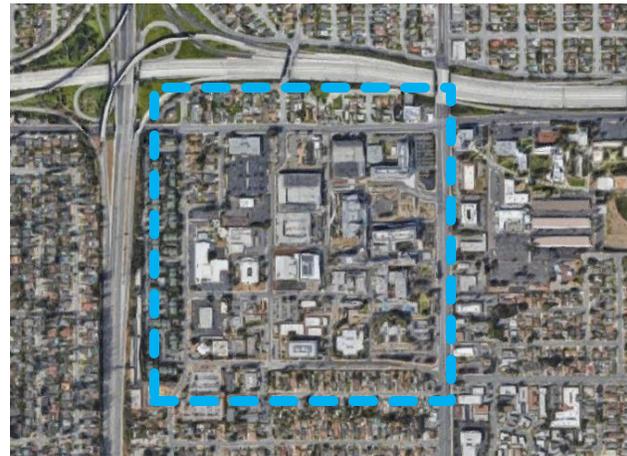


## LEGEND

- MASTER PLAN SITE
- REZONING / FOCUS AREA

# SANTA CLARA VALLEY MEDICAL CENTER

- Vision – better health for all
- Santa Clara Valley Medical Center hospital and clinics will provide high quality, compassionate, and accessible healthcare for all persons in Santa Clara County regardless of their Social-economic status and ability to pay
- 85 acres
- 0.13 square miles



# SAN JOSE CITY COLLEGE

- Mission statement - the mission of San Jose City College is to serve our students and the community by offering high quality, relevant, and innovative instruction for basic skills, career pathways, university transfer, and life-long learning
- Enrollment – 8,414
- Full-time equivalent – 2,304
- 65.3 acres
- 0.1 square miles



Image: San Jose City College



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# PRT PROPOSAL

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We believe that the proposed light rail corridor down Stevens Creek Blvd in San Jose would be only one aspect of the most beneficial form of mass transit. This corridor solution does not solve the “first mile, last mile” issue for passengers traveling to and from the light rail line.

We propose an elevated system of solar powered PRT networks, as designed by the San Jose State engineering students; called the spartan super-way. **The PRT system can solve the “first mile, last mile” issue, which will enable people to go car free.** Stations can be smaller and placed to provide no more than a quarter mile walking distance to the station. The PRT system **can help to alleviate congestion on the roadways** by providing another form of public transportation, that allows users to go from point to point, like a car.

# PRT PODCAR INFORMATION - JPODS

**BETTER PERFORMANCE:** Without repetitive start-stops, PRT provides a faster and more efficient transportation system with average speeds of 30 mph for PRT, as compared to 24 mph for cars, 18 mph for trains, and 8-12 mph for buses for similar service requirements.

**REDUCES CONGESTION:** The small real estate footprint, grade separation, rail stacking, separate and additional networks to existing infrastructure, and computerized route optimization minimize ground congestion issues.

**REDUCES POLLUTION:** PRT utilizes a solar renewable energy system that eliminates harmful CO<sub>2</sub> emissions. Rubber tires on concrete or steel rails, as well as low weight and speed produce less noise and vibration.

**PROVIDES FLEXIBLE TRANSPORTATION:** PRT guideways can be laid out in a network or grid (as well as point to point), and there is more than one route connecting an origin and destination. Therefore, service can be maintained when a single guideway is out of service. Stations and guideways can be above ground and mitigate ground transportation issues.

## JPODS PRT

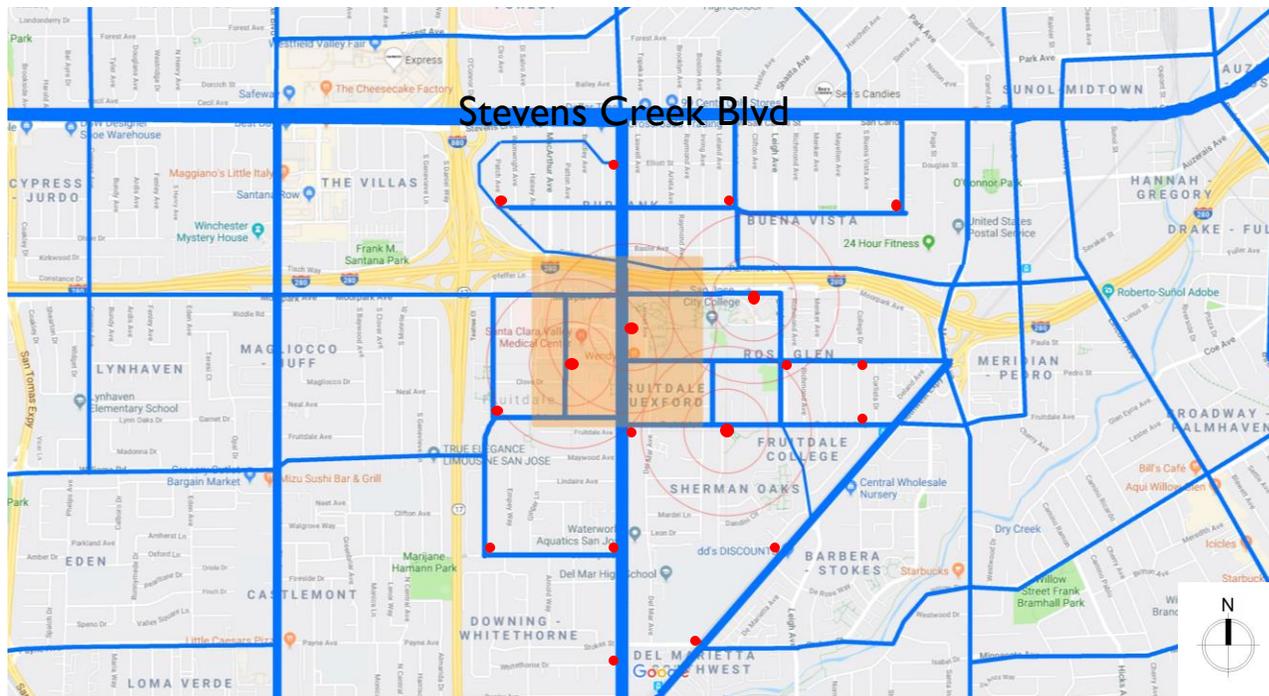


# PRT PODCAR ROUTES

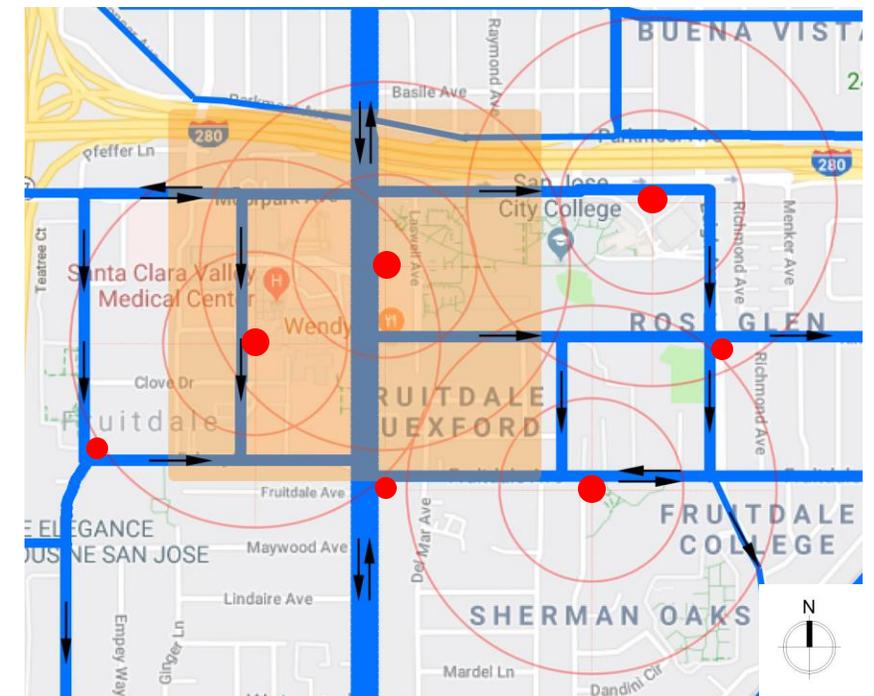
## LEGEND

- PODCAR ROUTE
- PODCAR BIG STATION
- PODCAR SMALL STATION
- WALKING DISTANCES
  - 1/8 MILE RADIUS
  - 1/4 MILE RADIUS

## PRT / PODCAR ROUTES: NETWORK OVERVIEW



## PRT / PODCAR ROUTES: SITE SPECIFIC





# MASTER PLAN

## LEGEND

- GREEN SPACE / PARK
- NEW CONSTRUCTION
  - 1. TRANSIT CENTER
  - 2. HOTEL
  - 3. MIXED-USE
  - 4. RESTAURANT
  - 5. RESIDENTIAL
- PRT PODCAR LINE
- PRT PODCAR STATON



# AERIAL VIEW OF MASTER PLAN SITE

## HOTEL

- 130,000 square feet + 35% efficiency
- 300 keys
  - Double
  - King
  - Suite

## RESIDENTIAL

- 130,000 square feet + 35% efficiency
- Units
  - Studio
  - 1 bedroom
  - 2 bedroom
  - 3 bedroom
  - 4 bedroom
  - Live / work

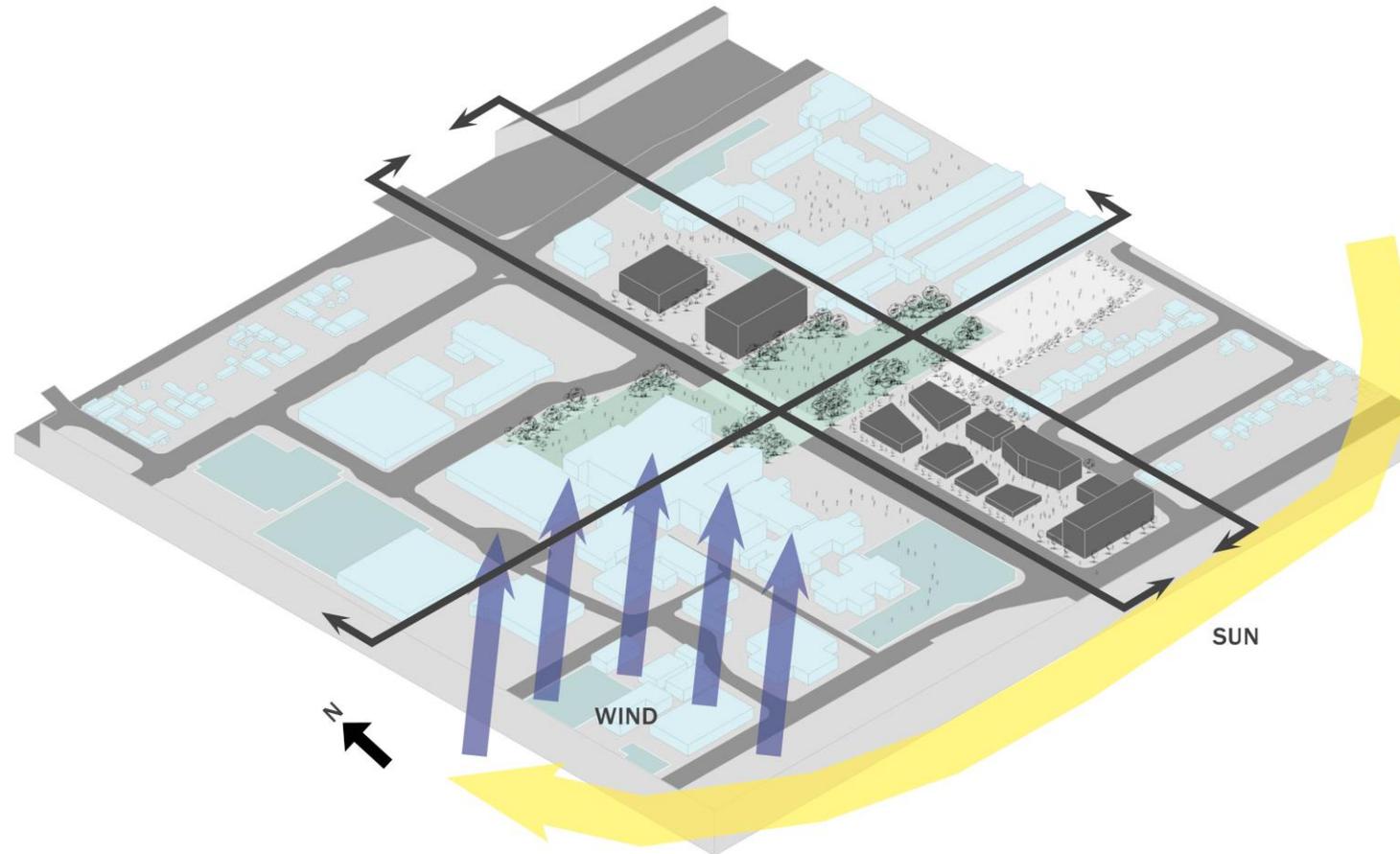
## MIXED-USE

- 207,000 square feet + 35% efficiency
- Office
- Retail
- Restaurants

## TRANSIT CENTER

- 100,000 square feet + 35% efficiency
- PRT Podcar station
- Bus station
- Human-powered transportation rentals
- Charging station

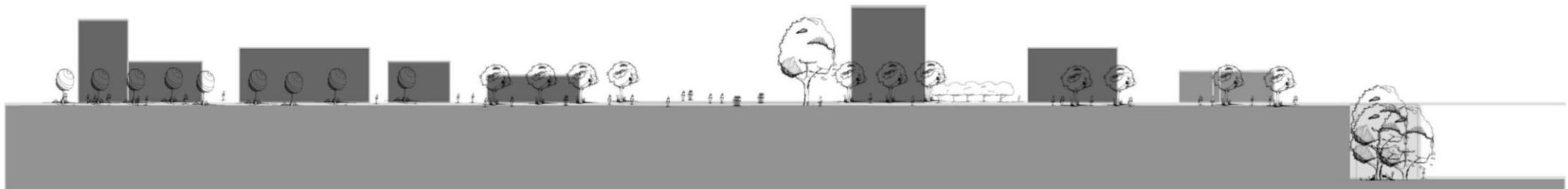
# SITE ANALYSIS



# SECTIONS



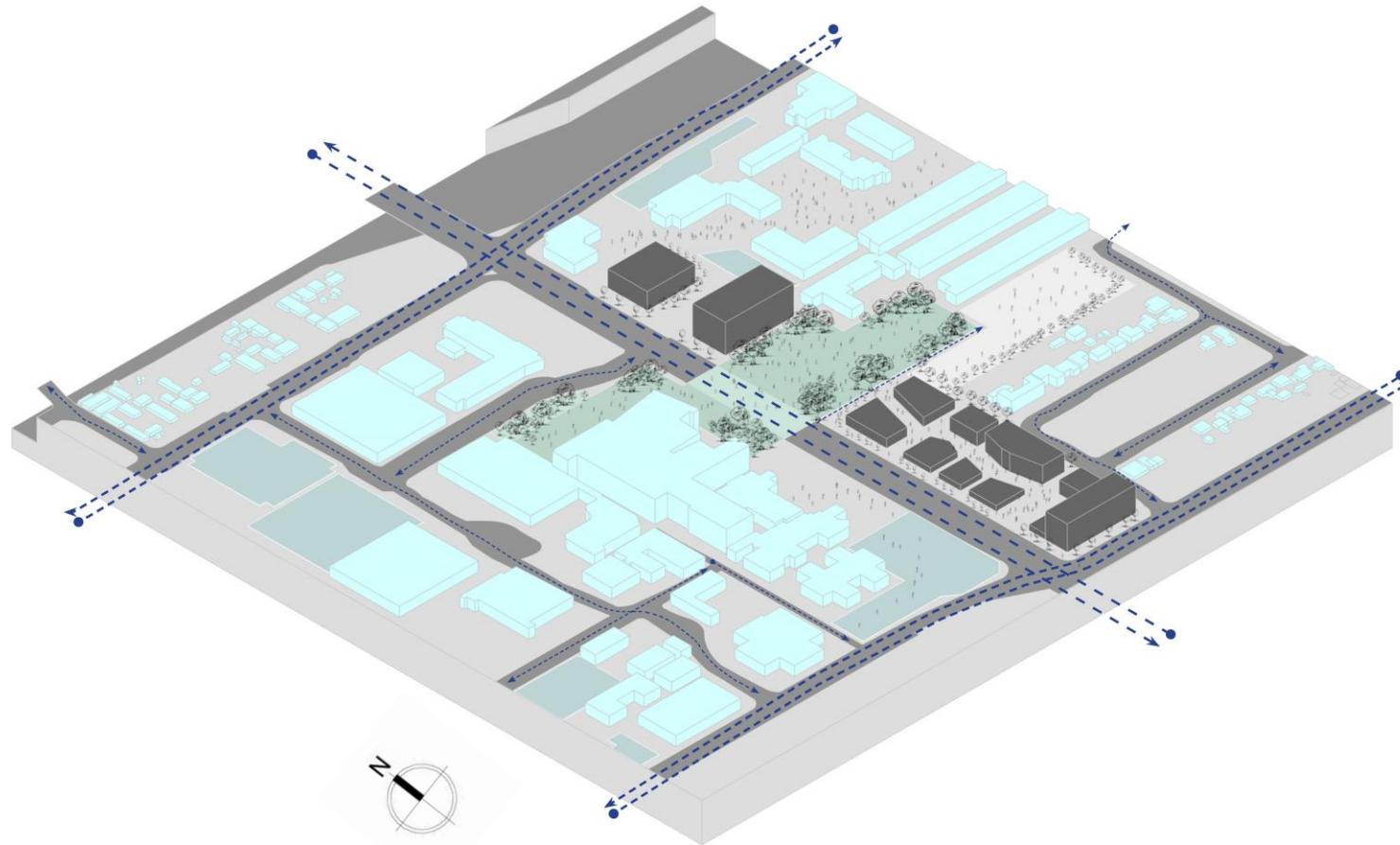
Section Facing East From Hospital



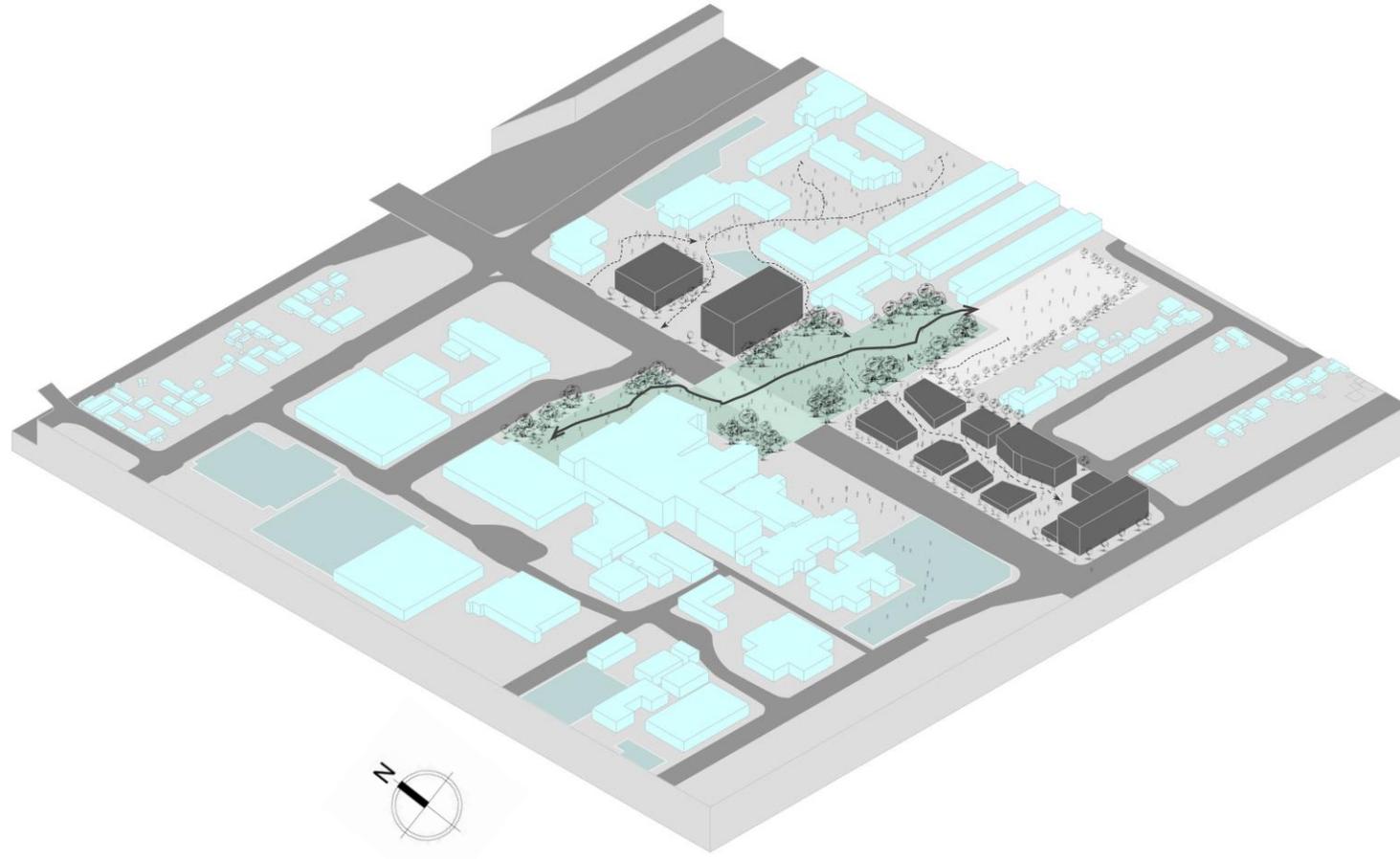
Section Facing West From College



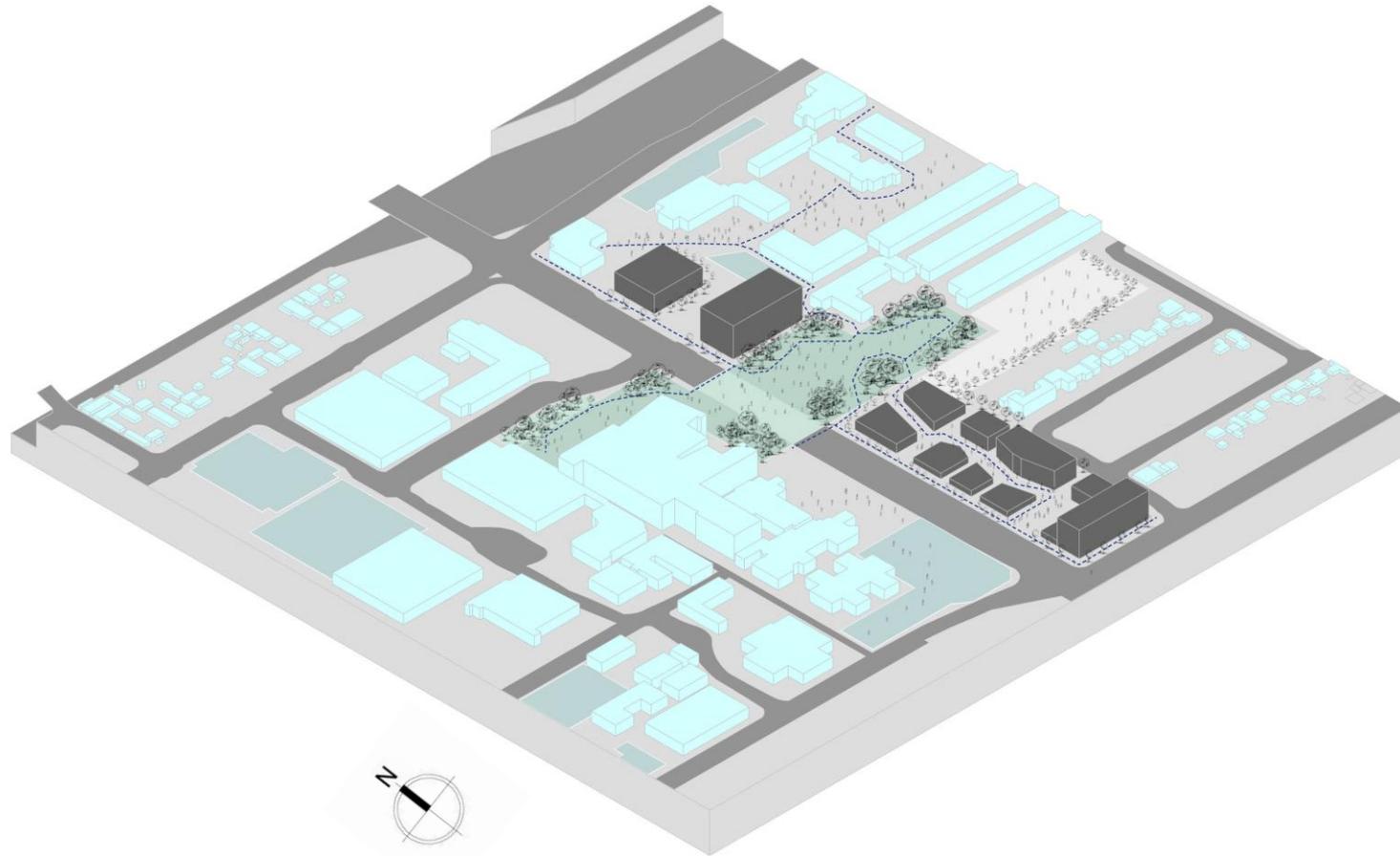
# CIRCULATION DIAGRAMS | VEHICULAR

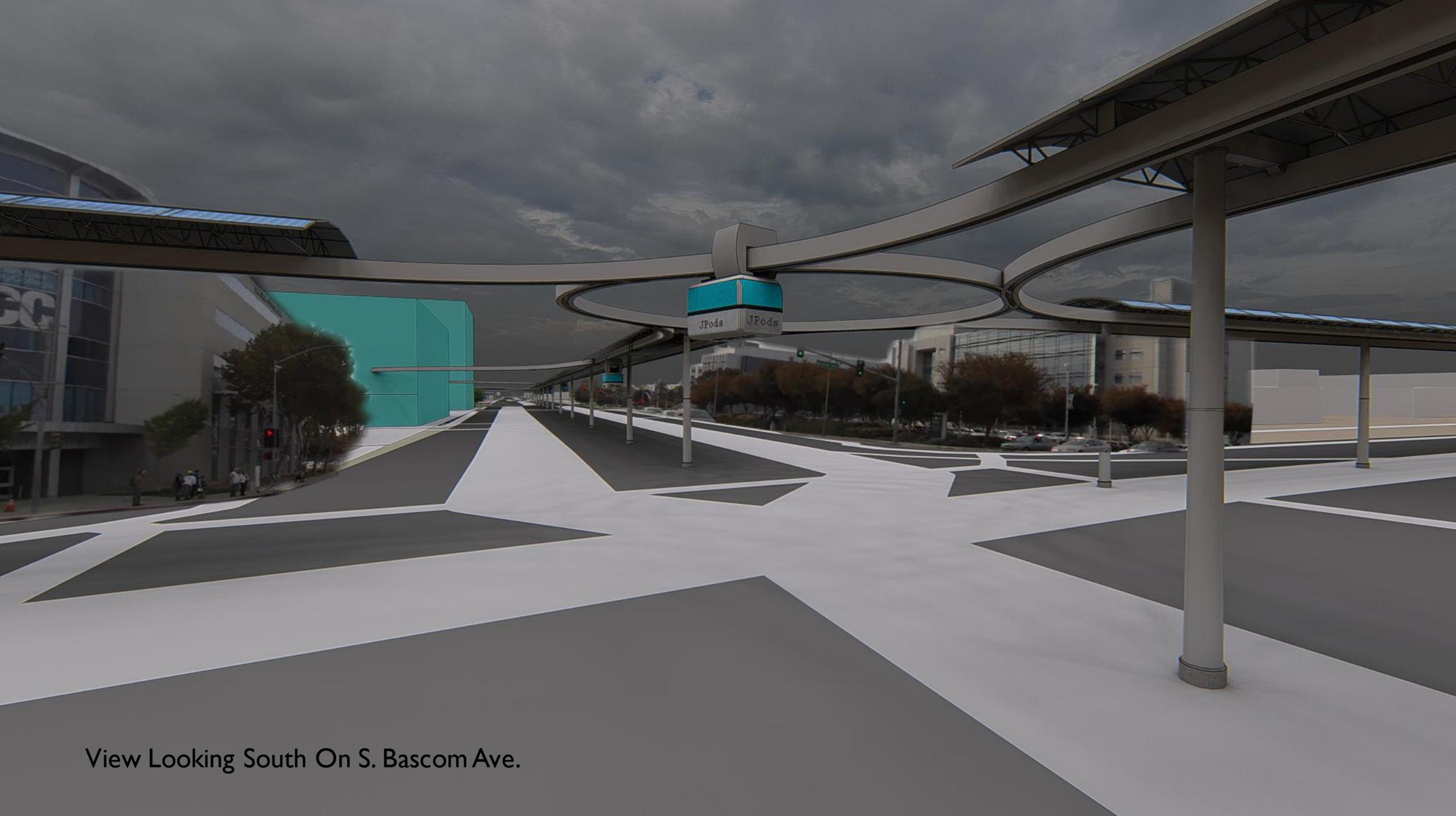


# CIRCULATION DIAGRAMS | PEDESTRIAN



# CIRCULATION DIAGRAMS | HUMAN-POWERED TRANSPORTATION





View Looking South On S. Bascom Ave.



VIEW LOOKING EAST FROM PARK CROSSING AT S. BASCOM AVE.

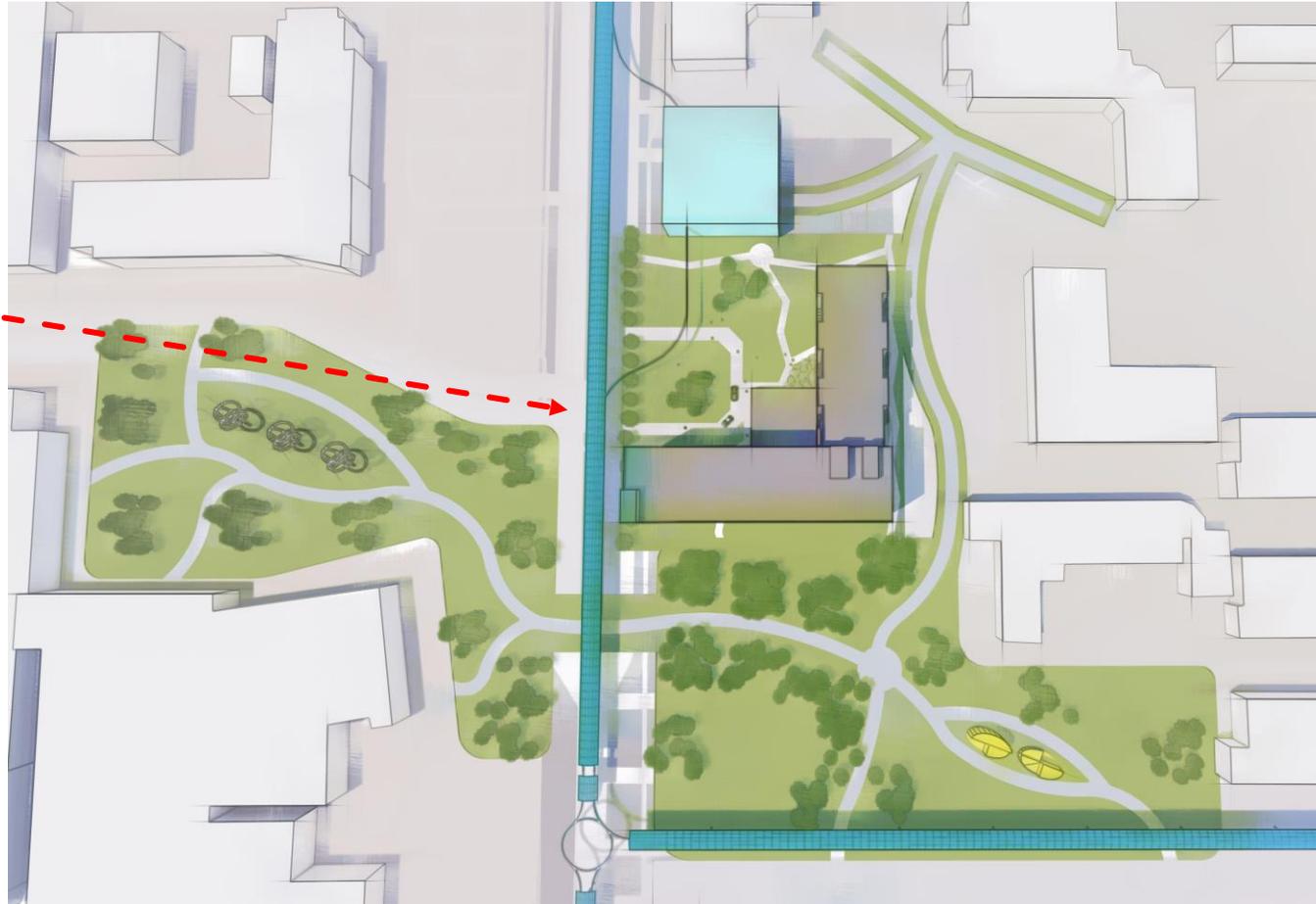
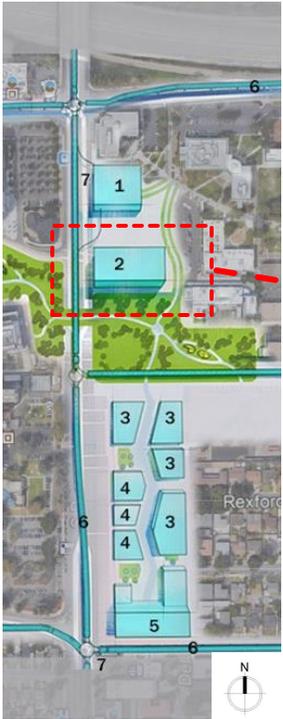


# THE SUITES AT BASCOM PLAZA

PETER GALICK

This project is a proposal for a 200,000 square foot hotel, containing 287 keys. The building utilizes mass timber construction and aims for sustainability through the Living Building Challenge approach. The design strives to fall in line with master plan goals of creating a strong connection between San Jose City College and Valley Medical Center

# SITE PLAN





# ADJACENCY DIAGRAM

## LOBBY + AMENITIES

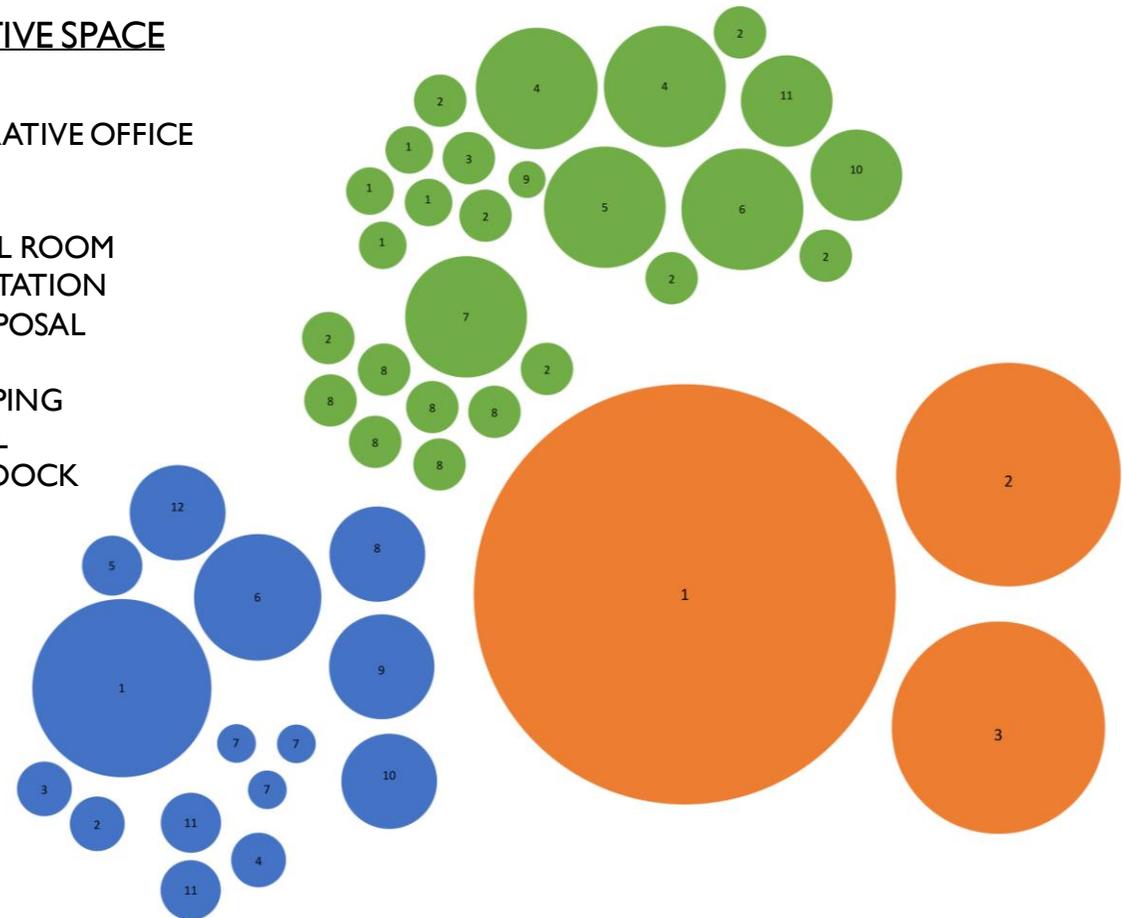
1. LOBBY
2. RECEPTION
3. WAITING AREA
4. TECHNOLOGY LAB
5. CAFÉ
6. BAR / RESTAURANT
7. TOILETS
8. FITNESS AREA
9. POOL ROOM
10. GAME LOUNGE
11. CONFERENCE ROOM
12. PATIO SPACE

## HOTEL ROOMS

1. DOUBLE
2. KING
3. SUITE

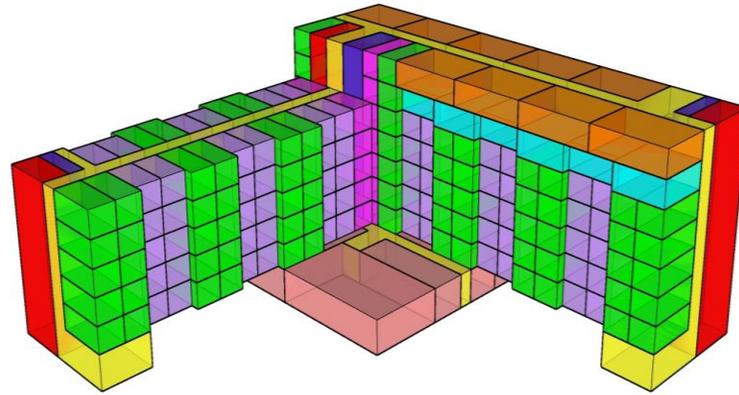
## ADMINISTRATIVE SPACE

1. ADMINISTRATIVE OFFICE
2. STORAGE
3. VAULT
4. ELECTRICAL ROOM
5. PUMPING STATION
6. WASTE DISPOSAL
7. LAUNDRY
8. HOUSEKEEPING
9. JANITORIAL
10. LOADING DOCK
11. RECEIVING

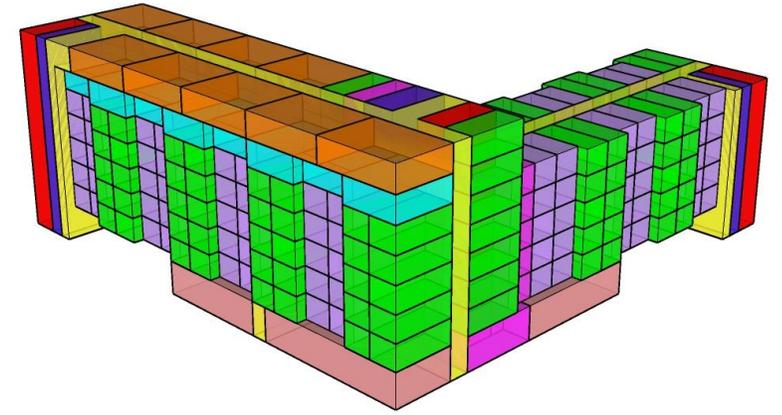


Legend

- Executive Suites
- Junior Suites
- King Rooms
- Queen/Queen Rooms
- Maintenance
- Circulation
- Egress Stairs
- Elevators
- Pool Room
- Ammenity Spaces
- Administrative Rooms
- Lobby
- Restaurant



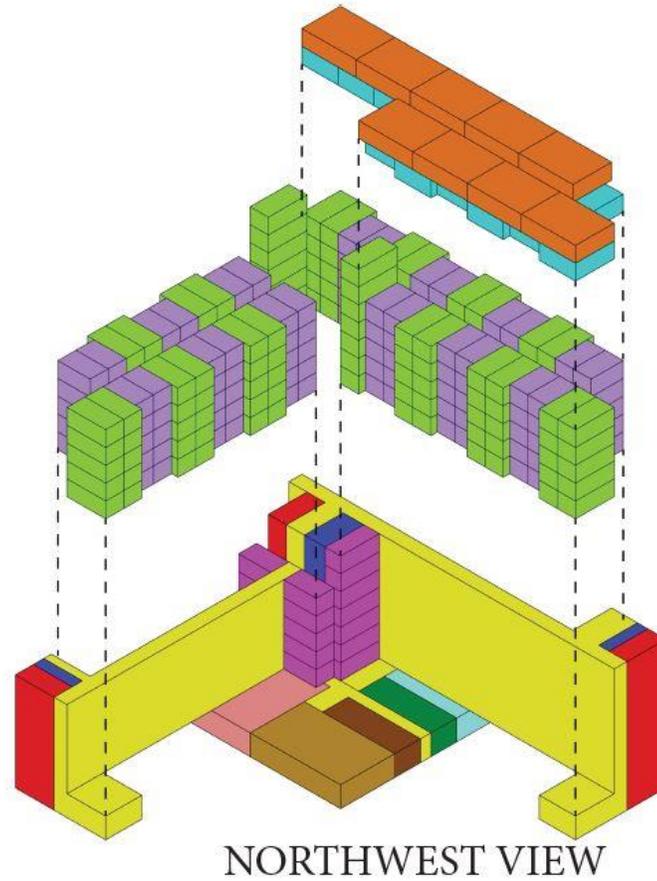
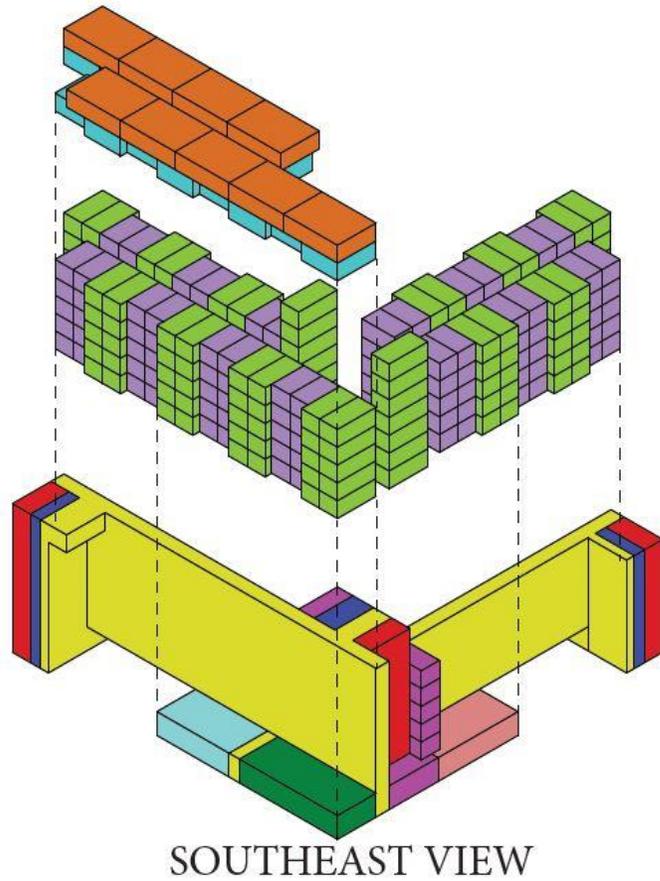
NORTHWEST VIEW



SOUTHEAST VIEW

# MASSING DIAGRAM

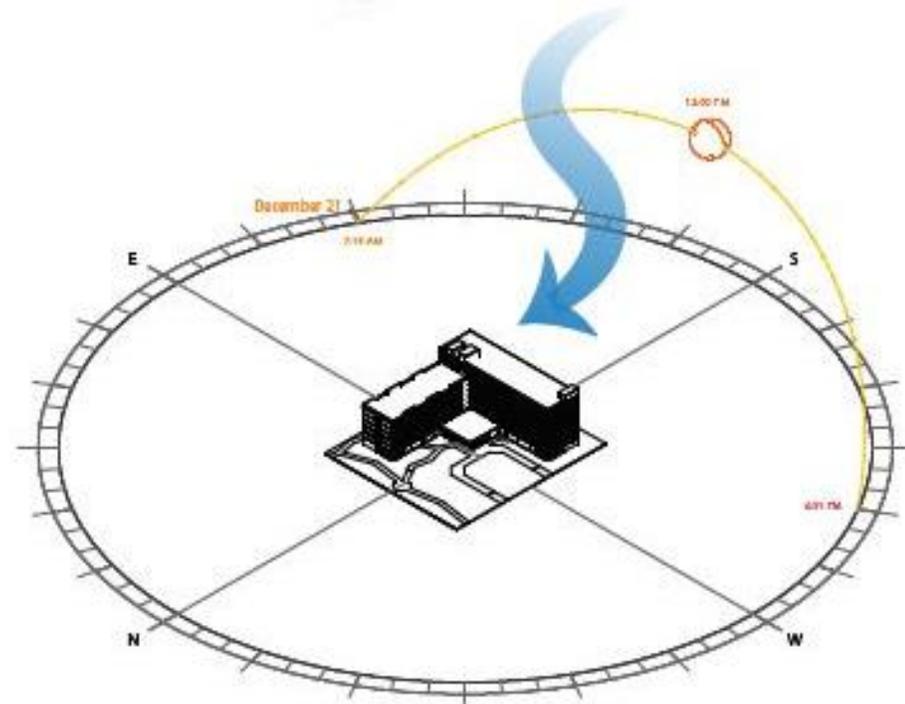
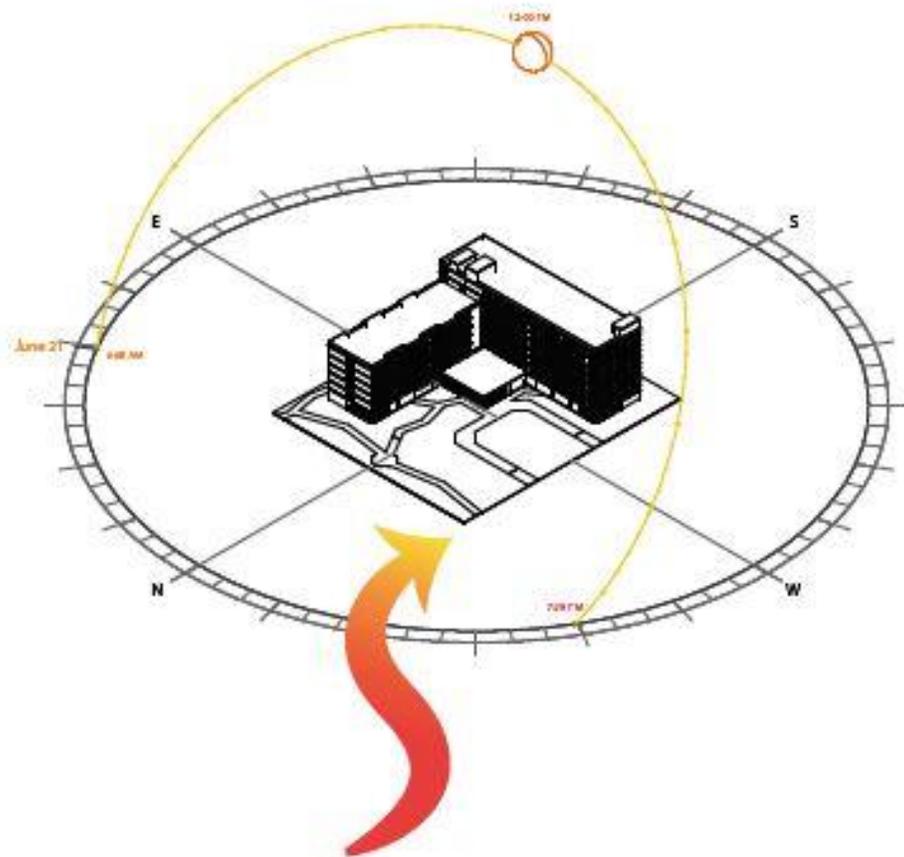
# MASSING ISOMETRIC DIAGRAM



## Legend

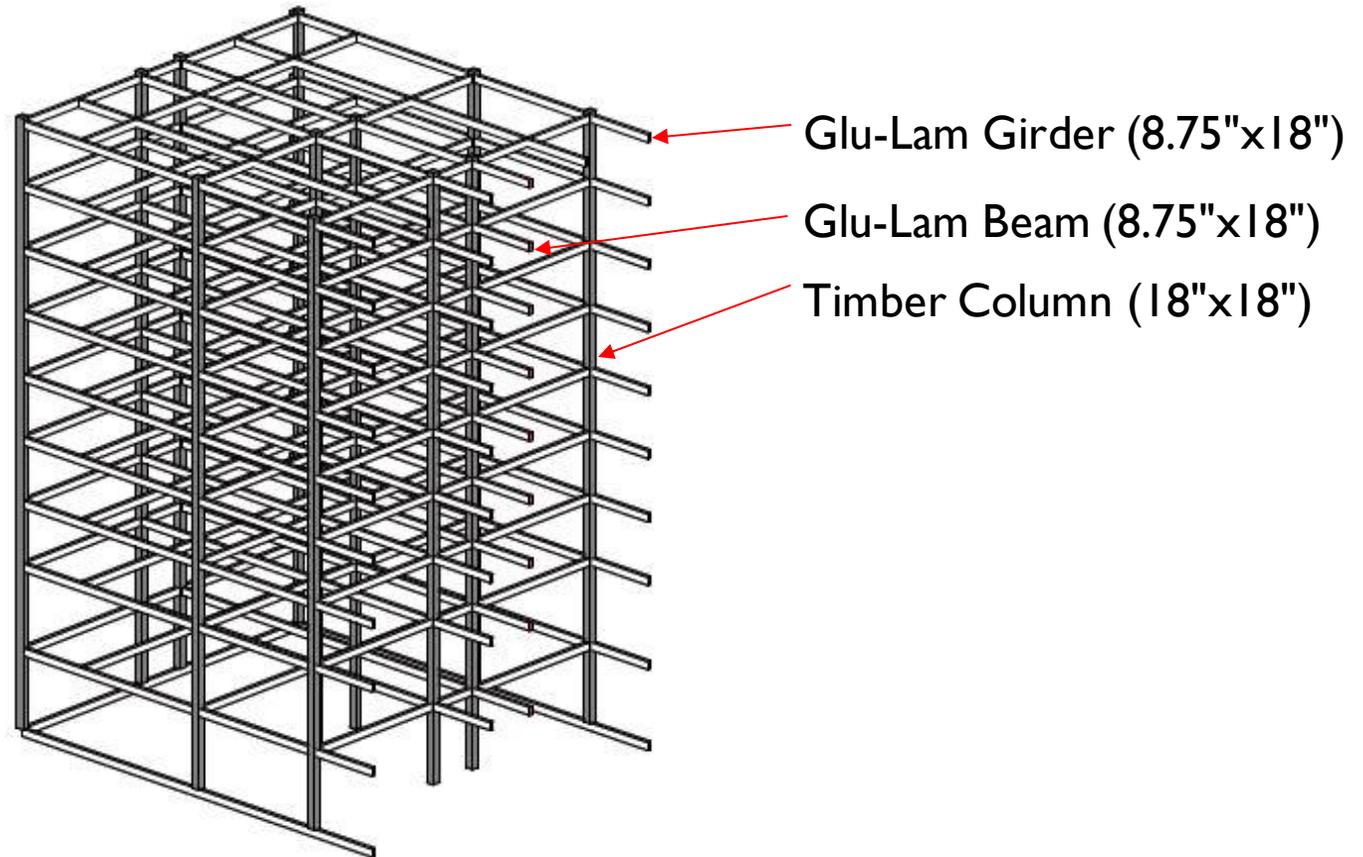
- Executive Suites
- Junior Suites
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- Maintenance
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- Elevators
- Pool Room
- Ammenity Spaces
- Administrative Rooms
- Lobby
- Restaurant

# SUN AND WIND DIAGRAMS



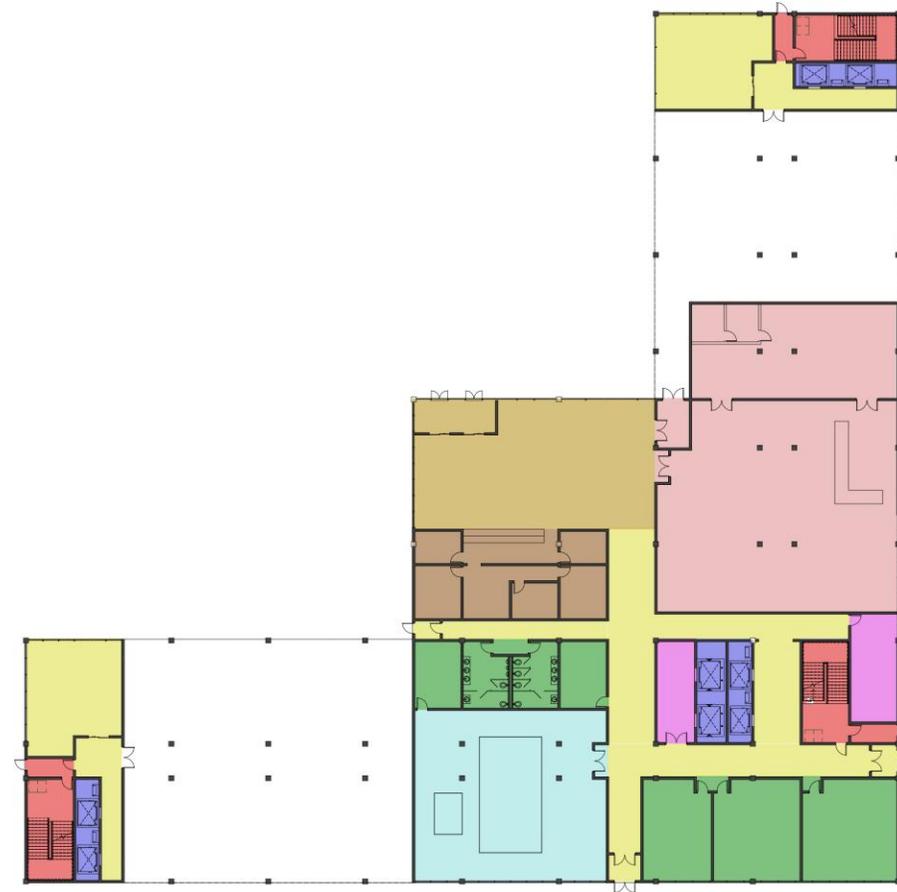


# PARTIAL STRUCTURE

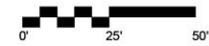


### Legend

- Executive Suites
- Junior Suites
- King Rooms
- Queen/Queen Rooms
- Maintenance
- Circulation
- Egress Stairs
- Elevators
- Pool Room
- Ammenity Spaces
- Administrative Rooms
- Lobby
- Restaurant

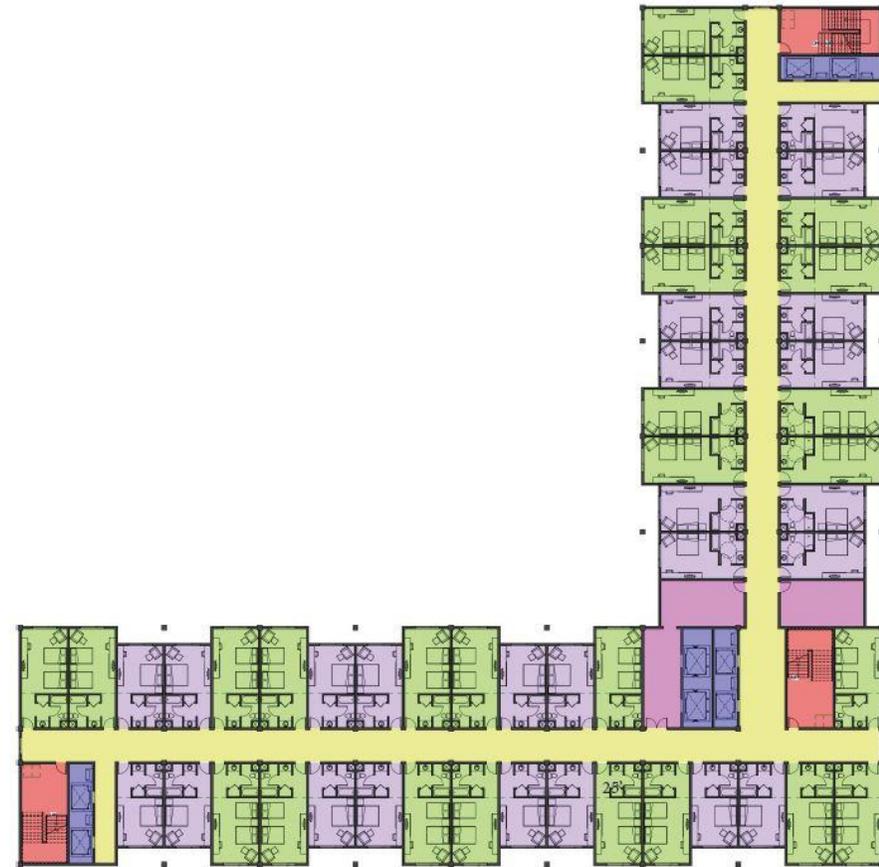


FIRST FLOOR PLAN



### Legend

- Executive Suites
- Junior Suites
- King Rooms
- Queen/Queen Rooms
- Maintenance
- Circulation
- Egress Stairs
- Elevators
- Pool Room
- Ammenity Spaces
- Administrative Rooms
- Lobby
- Restaurant

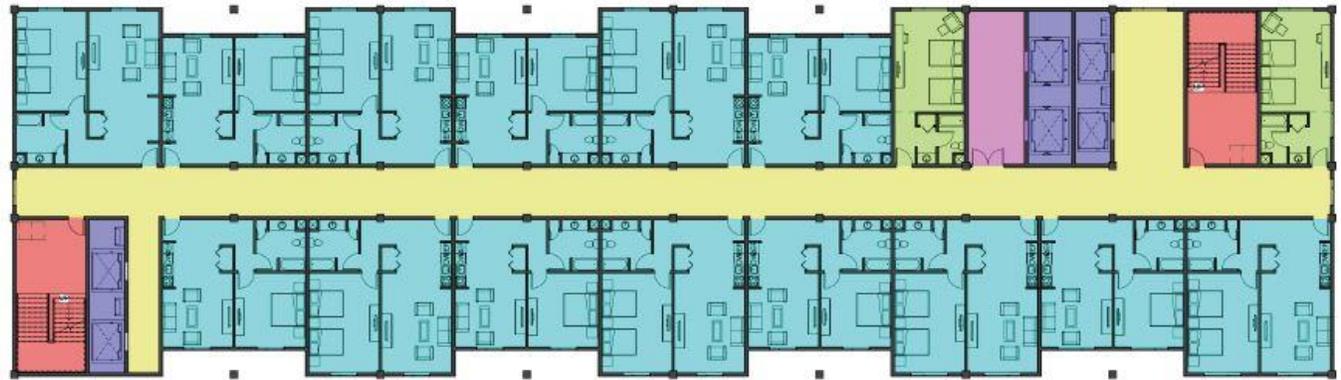


SECOND FLOOR PLAN SCALE: 1"=20'



### Legend

- Executive Suites
- Junior Suites
- King Rooms
- Queen/Queen Rooms
- Maintenance
- Circulation
- Egress Stairs
- Elevators
- Pool Room
- Ammenity Spaces
- Administrative Rooms
- Lobby
- Restaurant

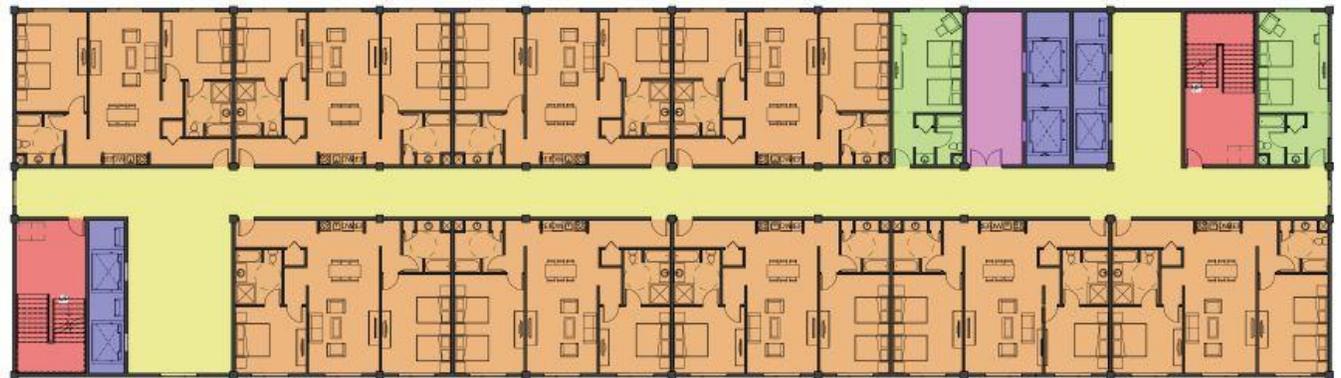


SEVENTH FLOOR PLAN



### Legend

- Executive Suites
- Junior Suites
- King Rooms
- Queen/Queen Rooms
- Maintenance
- Circulation
- Egress Stairs
- Elevators
- Pool Room
- Ammenity Spaces
- Administrative Rooms
- Lobby
- Restaurant

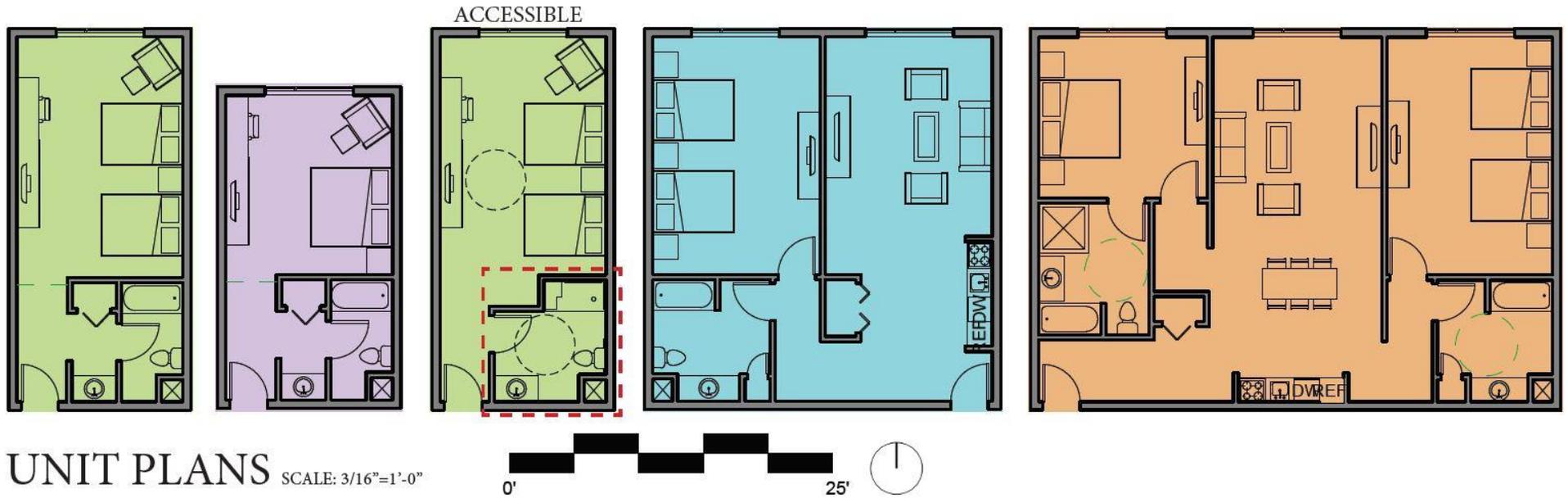


EIGHTH FLOOR PLAN

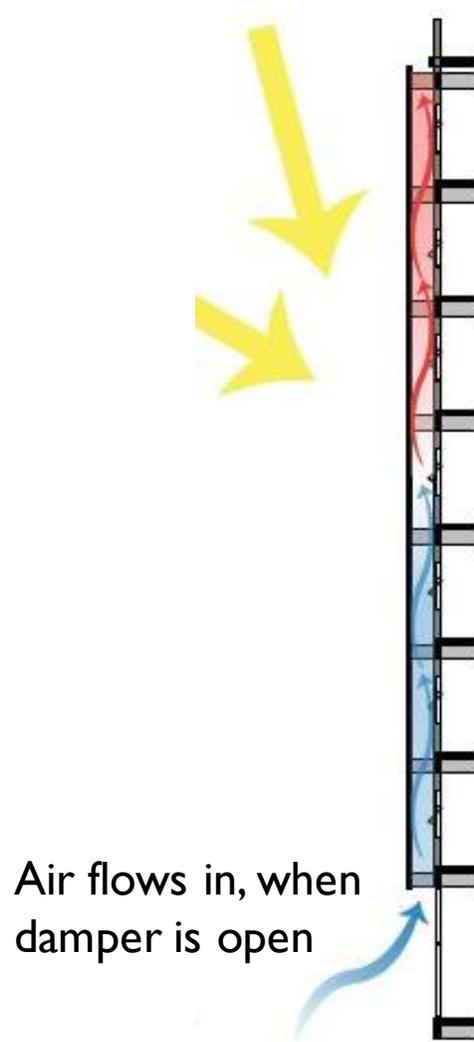


## Legend

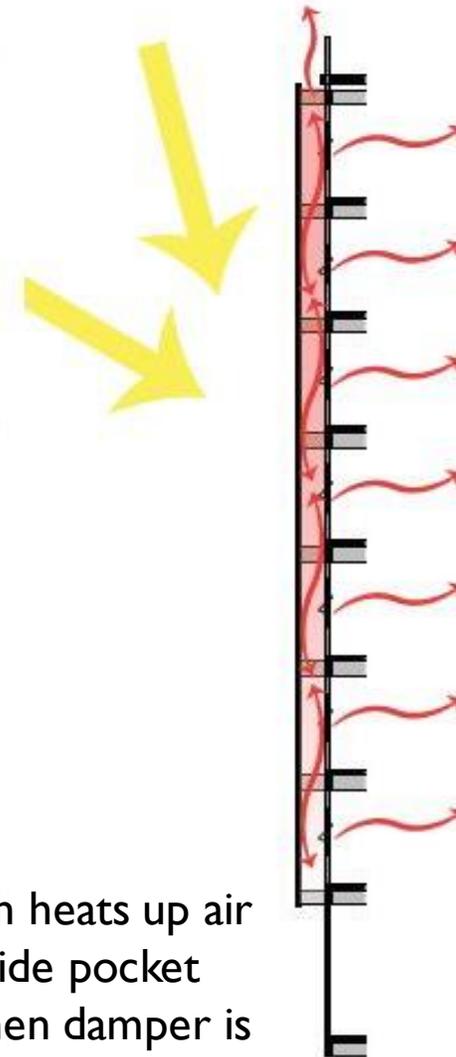
- Executive Suites
- Junior Suites
- King Rooms
- Queen/Queen Rooms
- Maintenance
- Circulation
- Egress Stairs
- Elevators
- Pool Room
- Ammenity Spaces
- Administrative Rooms
- Lobby
- Restaurant



# DOUBLE SKIN FACADE

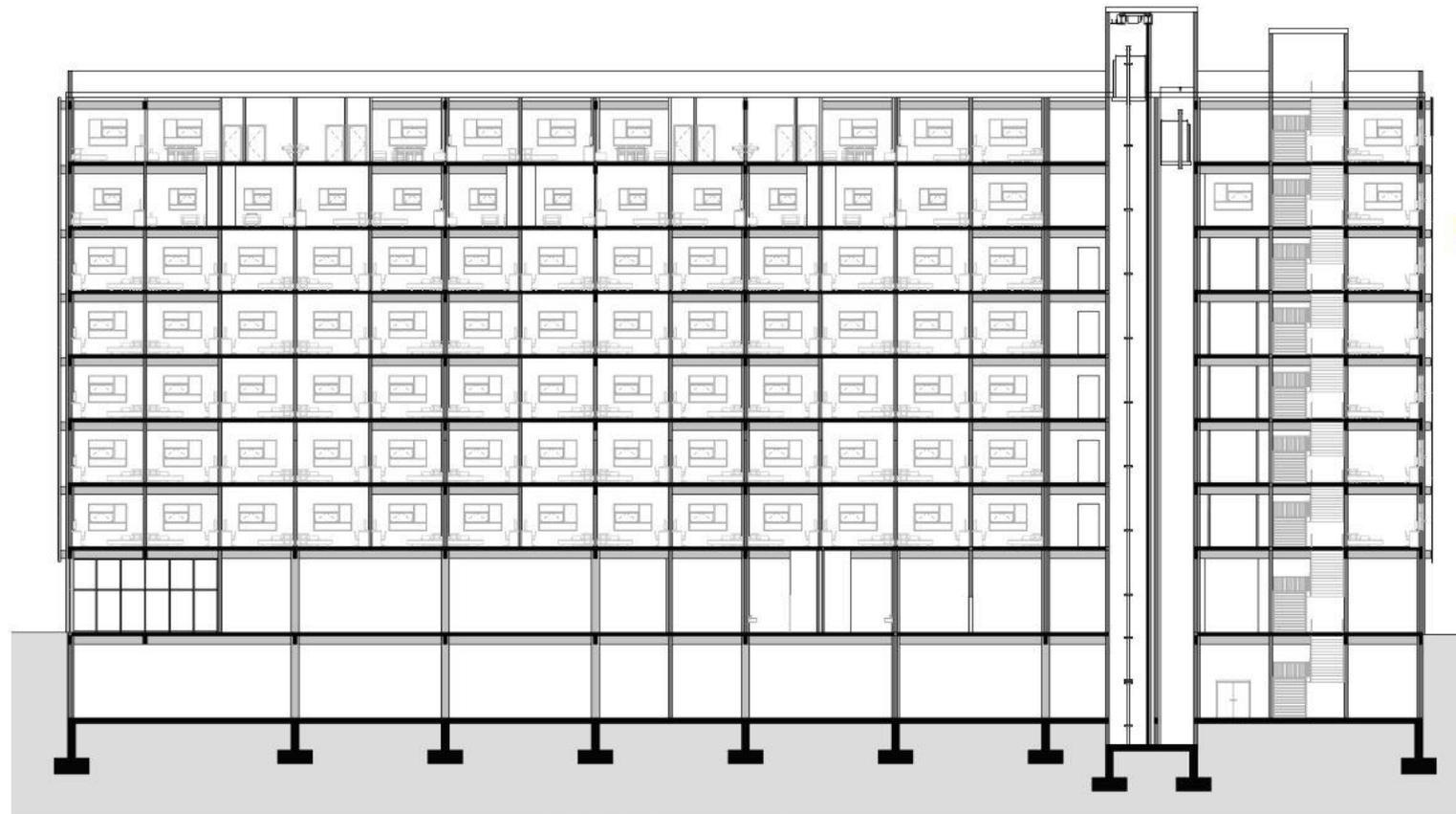


Air flows in, when damper is open

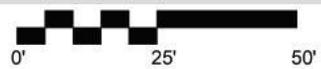


Sun heats up air inside pocket when damper is closed

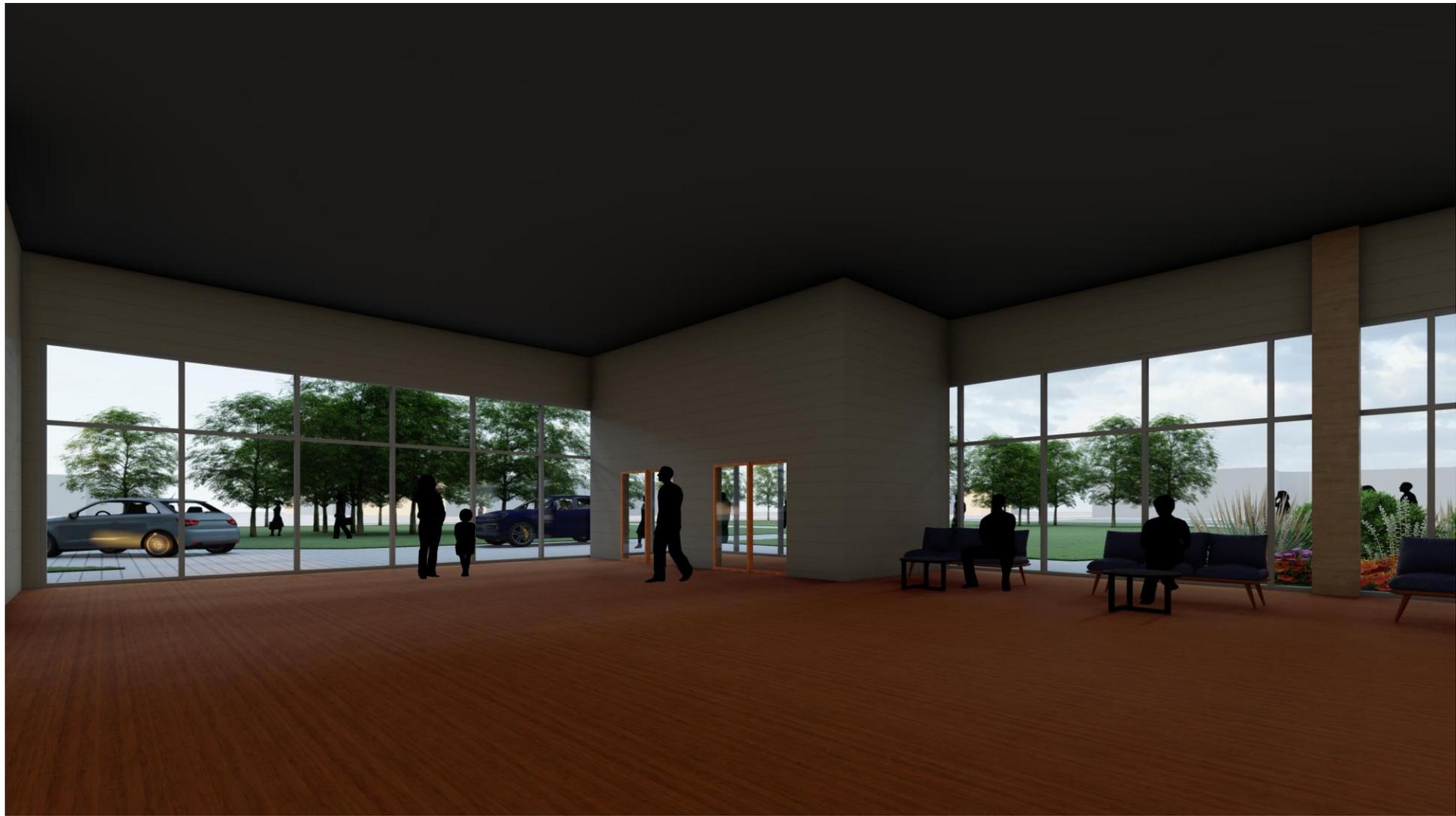
Warm air can flow into the building



BUILDING SECTION SCALE: 1"=10'







View of Lobby



View of King Room

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# XIC HOTEL

XIXIAN WU

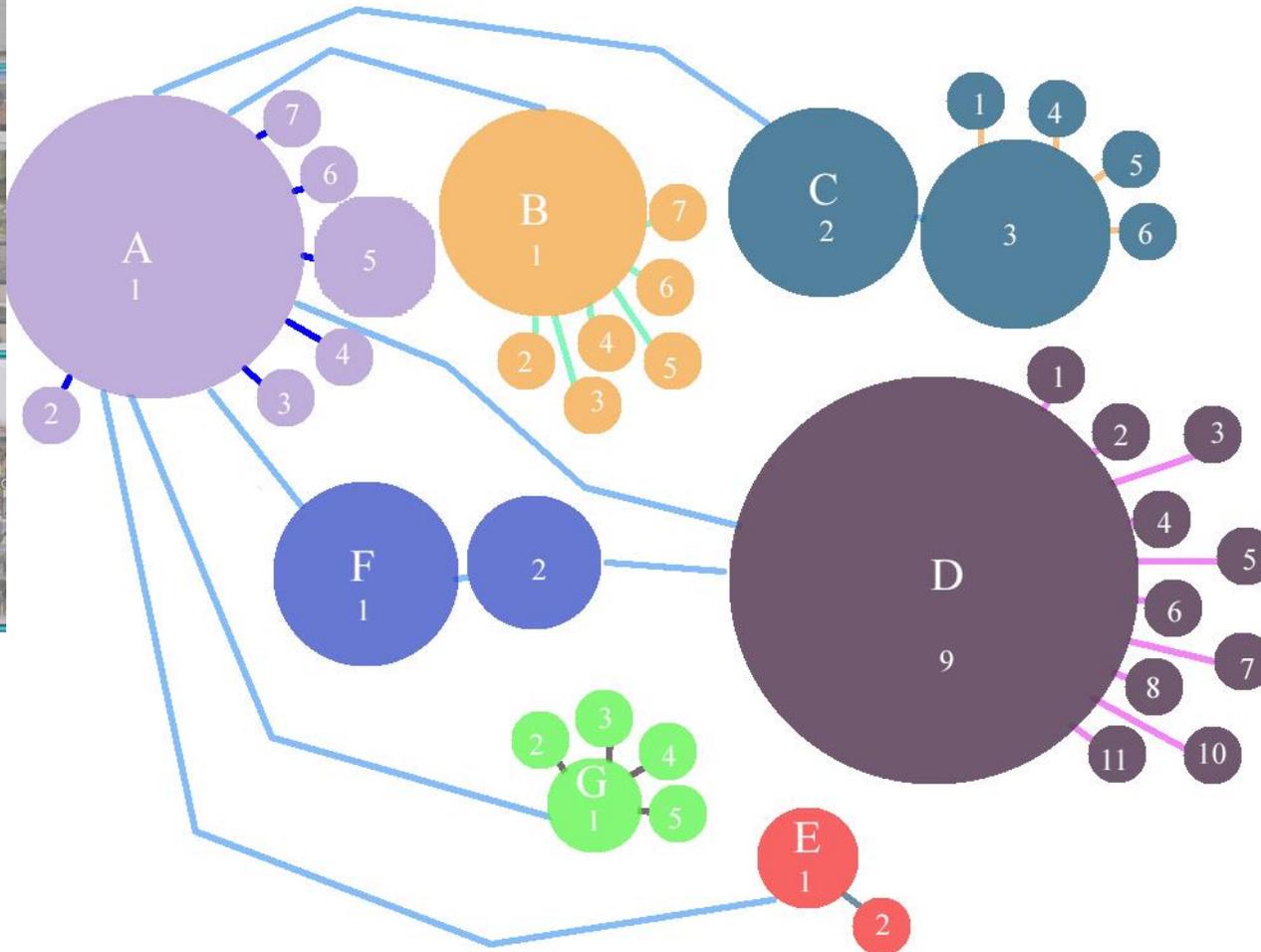
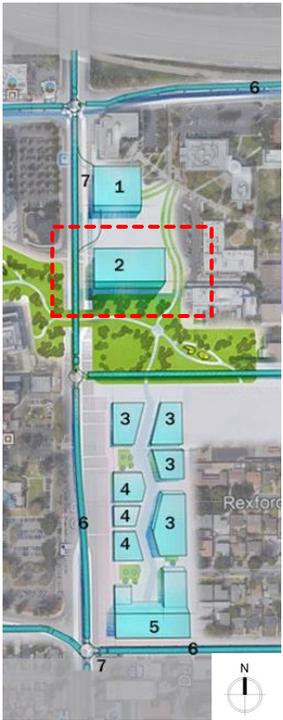
This is a luxury hotel located by the San Jose City College campus and Santa Clara Valley Medical Center. It is host to 300 rooms, comprised of 50 suites, 100 king rooms and 150 double rooms. This hotel is structured without HVAC systems, it allows wind to go into the building and make it cooler during the summertime. And during the wintertime, it will block cold wind from entering the building and keep it warm. All the windows are using the solar energy powered glass panels. The building also features solar panels at the roof level that helps absorb the energy.

# HOTEL : PROGRAM SQUARE FOOTAGES



	Number (#)	Space (sq ft)	Total SQ FT			
<b>Public Area</b>						
Lobby	1	5,000	5,000			
Reception	1	250	250			
Waiting area	1	250	250			
Phone Booth	1	80	80			
Concessionaires	1	100	100			
Comfort Rooms	1	200	200			
Washroom	1	200	200			
	Total		6,080			
<b>Administration and accounting office</b>						
Washroom	1	200	200			
Waiting area	1	250	250			
Conference room	2	2400	4,800			
Managers office	1	100	100			
Storage	3	200	600			
Vault	1	300	300			
Cashier office	1	50	50			
	Total		6300			
<b>Utility</b>						
Maintenance workstation	1	200	200			
Electrical room	1	1000	1000			
Pumping station	1	1000	1000			
Waste disposal	1	1000	1000			
Janitors' quarter	1	10%	2,925			
Washroom	1	20000%	200			
	Total		6,325			
<b>Hotel suites</b>						
Laundry Facilities	1	1000	1000			
Housekeeping department	3	125	475			
Food and beverage service	6	25	25			
Mechanical space	1	30%	8,775			
Guest registration	1	100	100			
Function room	1	200	200			
Restaurants facilities	1	4,000	4,000			
Suites	50	1,100	55,000			
Double bed room	150	400	60,000			
Kings room	100	350	35,000			
Elevator	4	25	100			
	Total		163,775			
<b>Outdoor Area</b>						
Pavilion area	1	150	150			
Picnic table area	1	150	150			
	Total		300			
<b>Fitness Facilities</b>						
Pool	1	1,500	1,500			
Fitness room	1	1,000	1,000			
	Total		2,500			
<b>Receiving and Storage</b>						
Loading Dock	1	400	400			
Receiving area	1	250	250			
Receiving office	1	120	120			
Purchasing office	1	120	120			
Trash holding area	1	200	200			
	Total		1090			
<b>Efficiency</b>						
Efficiency	1	35%	45,500			
	Total		45,500			

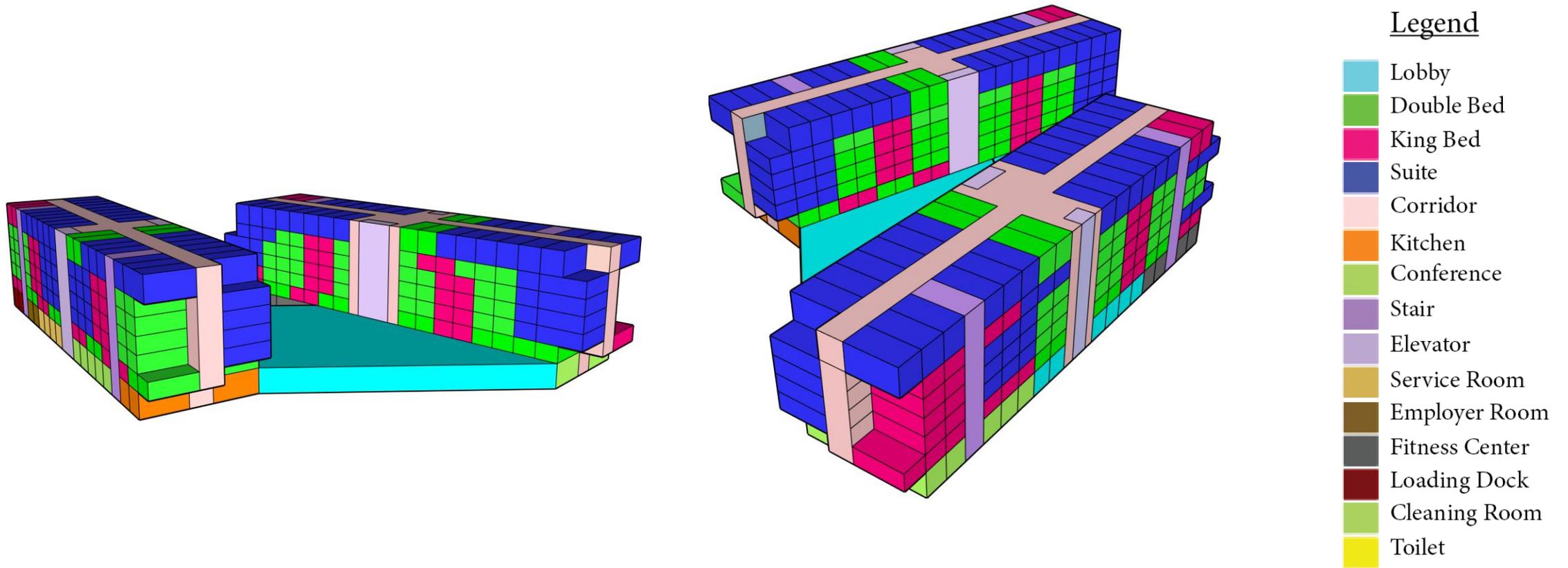
# HOTEL : ADJACENCY DIAGRAM



## LEGEND

<p><b>A</b> <u>Public area</u></p> <ol style="list-style-type: none"> <li>1.Lobby</li> <li>2.Reception</li> <li>3.Waiting area/lounge</li> <li>4.Phone booth,</li> <li>5.Concessionaires</li> <li>6.Comfort rooms</li> <li>7.Washroom</li> </ol>	<p><b>D</b> <u>Hotel suites</u></p> <ol style="list-style-type: none"> <li>1.Laundry facilities</li> <li>2.Housekeeping department</li> <li>3.Food and beverage service</li> <li>4.Mechanical space</li> <li>5.Guest registration</li> <li>6.Cashiers, function rooms</li> <li>7.Restaurants facilities</li> <li>8.Lobby</li> <li>9.Suites and Room</li> <li>10.Elevator</li> <li>11.Bathroom</li> </ol>
<p><b>B</b> <u>Administration and accounting office</u></p> <ol style="list-style-type: none"> <li>1.Directors office meeting and conference rooms</li> <li>2.Waiting area</li> <li>3.Managers office</li> <li>4.Storage</li> <li>5.Vault</li> <li>6.Payroll and cashier office</li> <li>7.Washroom</li> </ol>	<p><b>E</b> <u>Outdoor area</u></p> <ol style="list-style-type: none"> <li>1.Pavilion</li> <li>2.Picnic table</li> </ol>
<p><b>C</b> <u>Utility</u></p> <ol style="list-style-type: none"> <li>1.Maintenance Workstation</li> <li>2.Electrical room</li> <li>3.Mechanical room</li> <li>4.Pumping station</li> <li>5.Waste disposal</li> <li>6.Janitors' quarter</li> </ol>	<p><b>F</b> <u>fitness facilities</u></p> <ol style="list-style-type: none"> <li>1.Pool</li> <li>2.Fitness room</li> </ol>
	<p><b>G</b> <u>Receiving and storage</u></p> <ol style="list-style-type: none"> <li>1.Loading Dock</li> <li>2.Receiving area</li> <li>3.Receiving office</li> <li>4.Purchasing office</li> <li>5.Trash holding area</li> </ol>

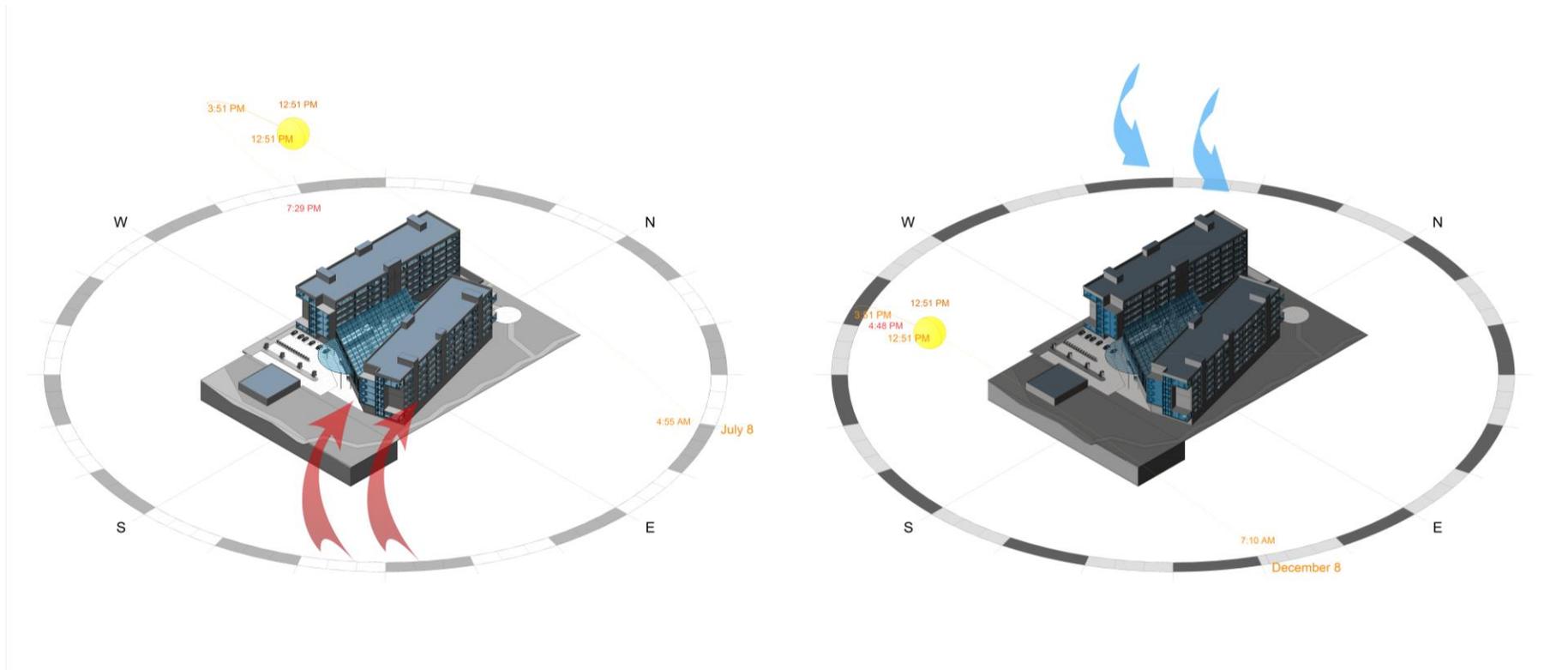
# MASS ISOMETRIC DIAGRAM





SITE

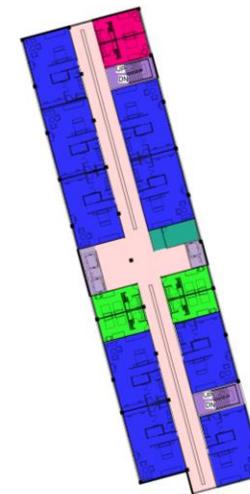
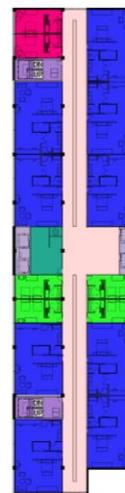
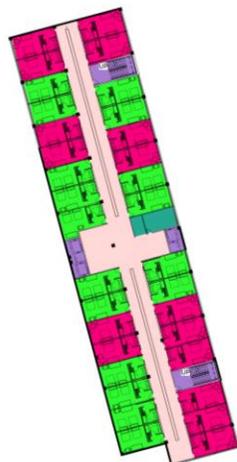
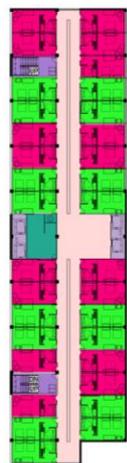
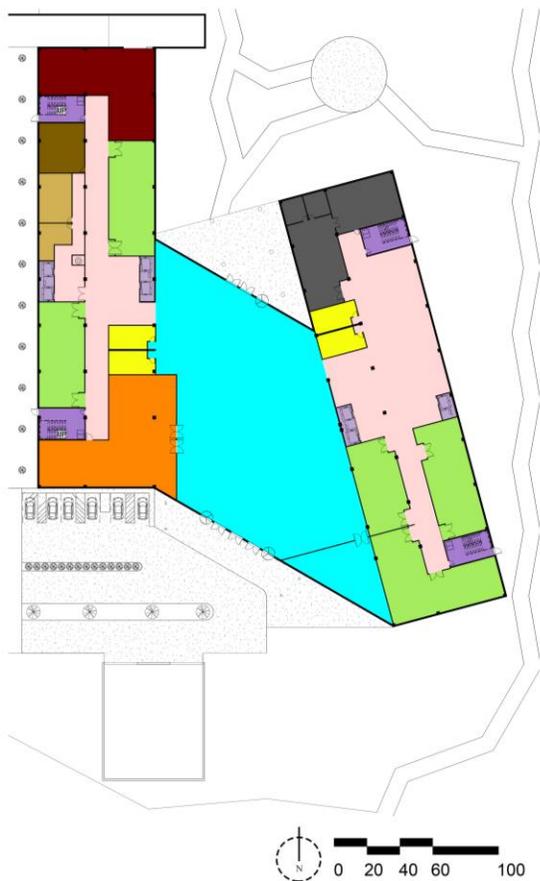
# SUN AND WIND DIAGRAM



# FIRST FLOOR

# SECOND FLOOR

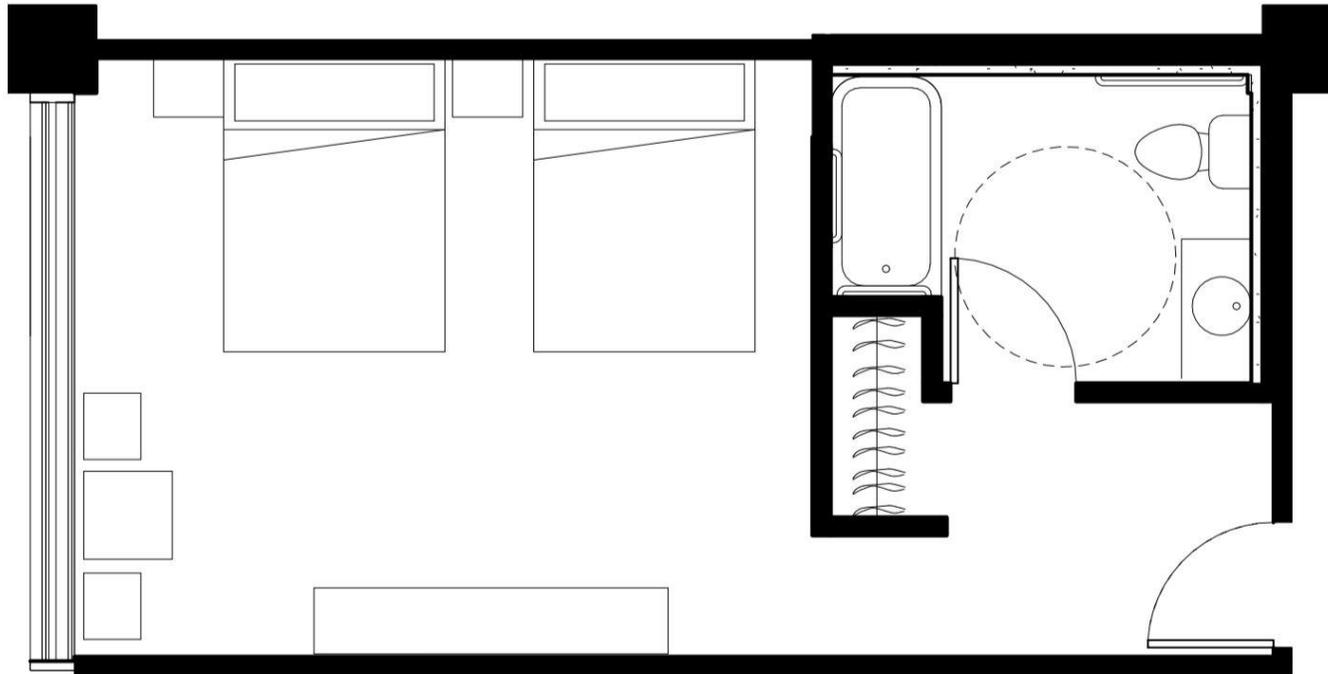
# SEVENTH FLOOR



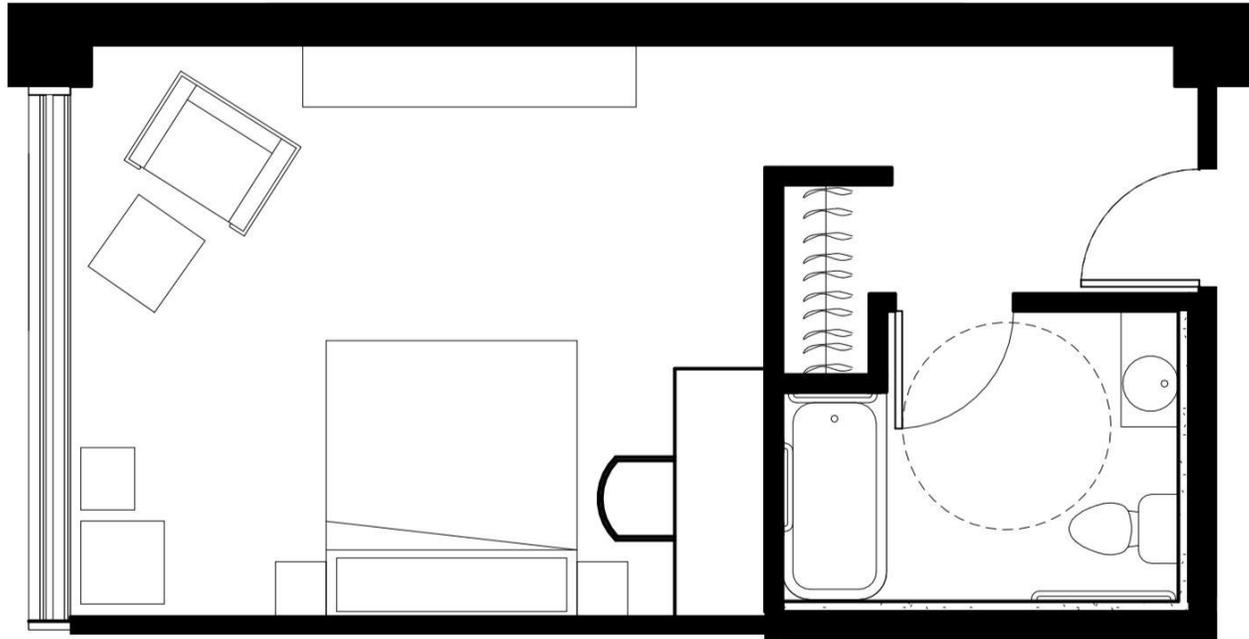
## Legend

- Lobby
- Double Bed
- King Bed
- Suite
- Corridor
- Kitchen
- Conference
- Stair
- Elevator
- Service Room
- Employer Room
- Fitness Center
- Loading Dock
- Cleaning Room
- Toilet

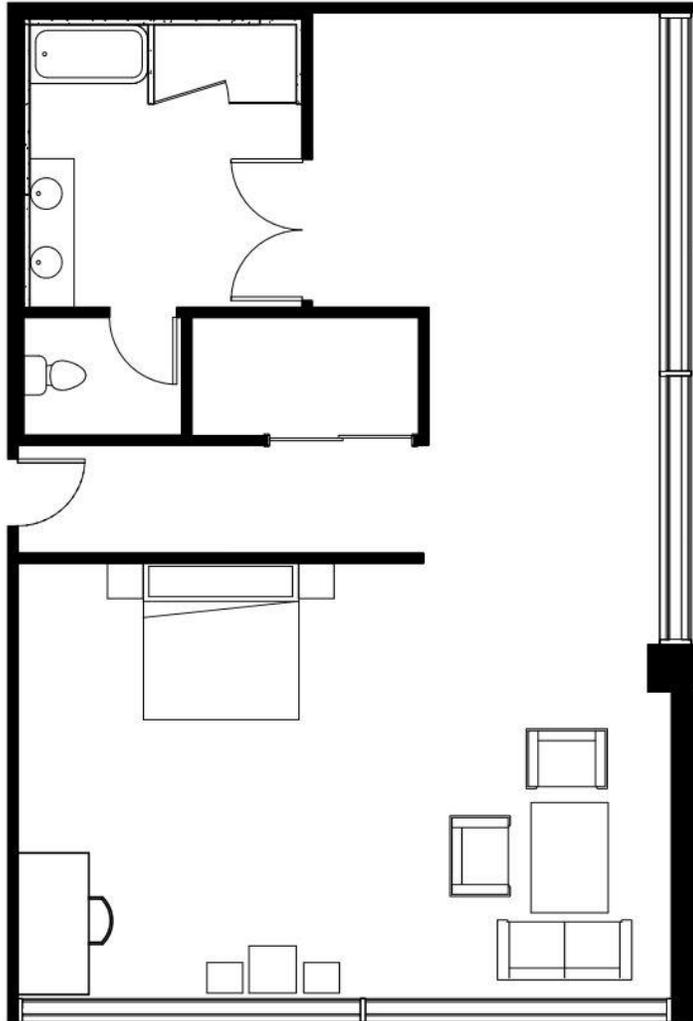
# UNIT PLAN: DOUBLE ROOM



# UNIT PLAN: KING ROOM



# UNIT PLAN: SUITE





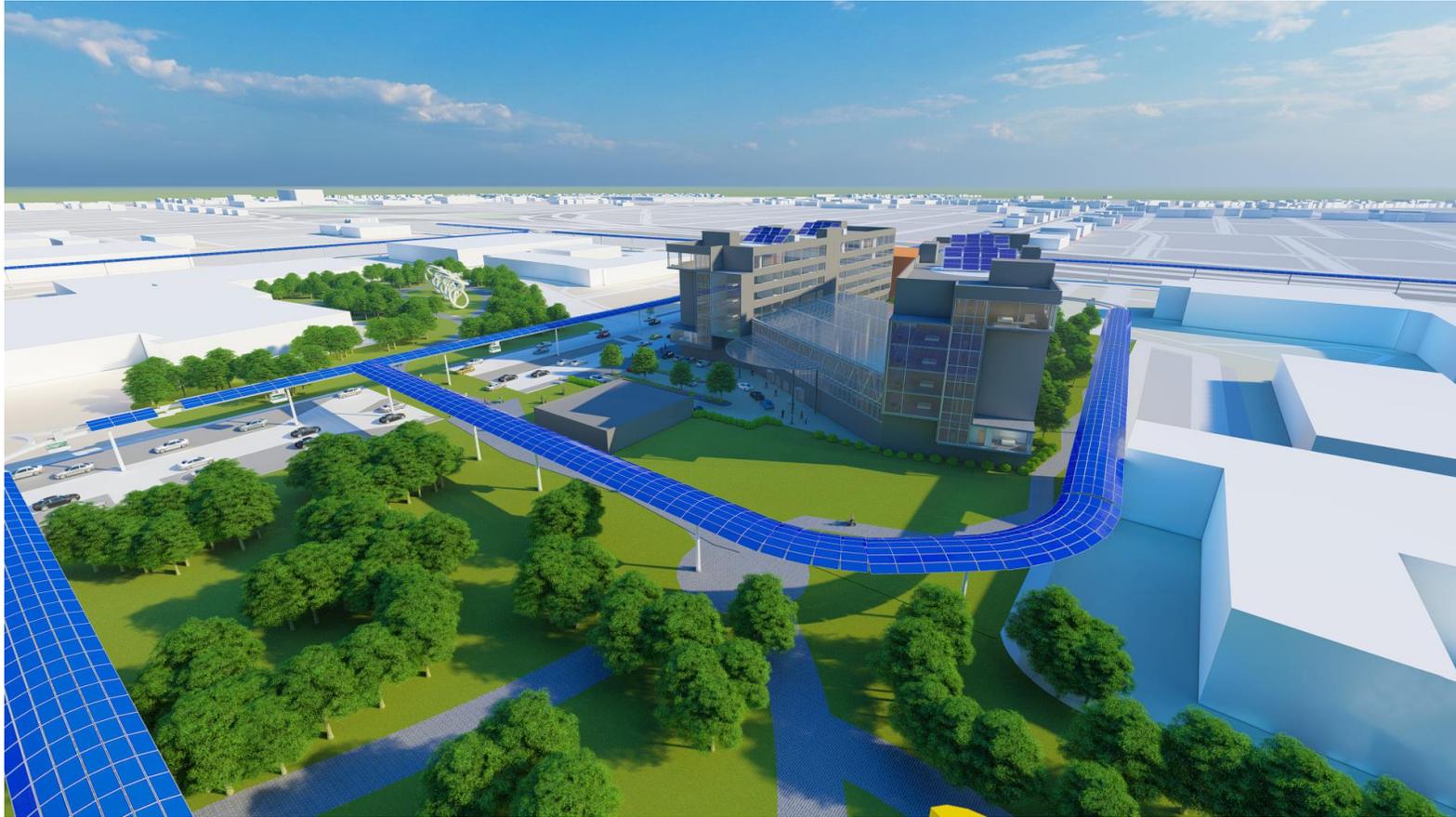
VIEW FROM S.  
BASCOM AVE



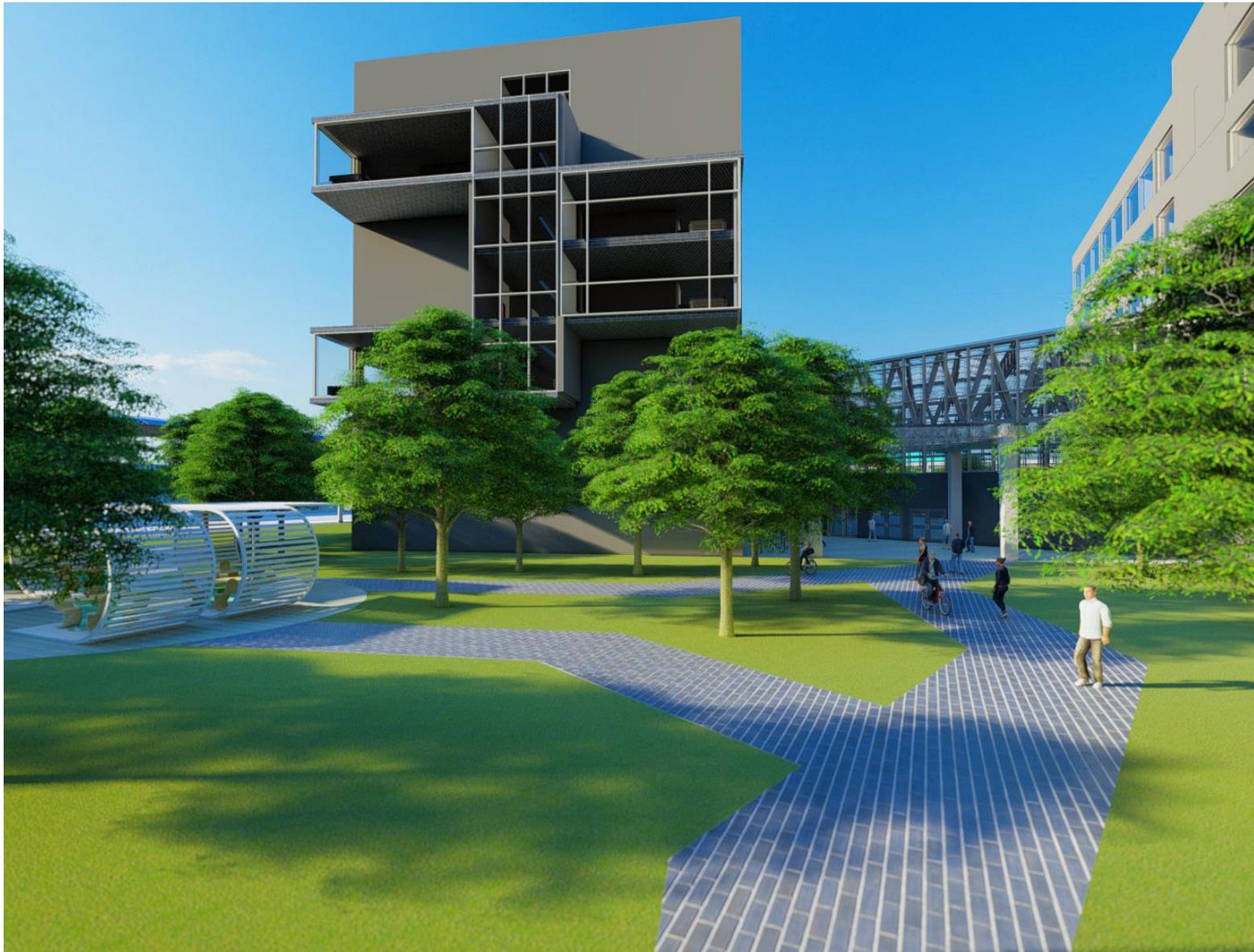
AERIAL VIEW  
LOOKING  
NORTH



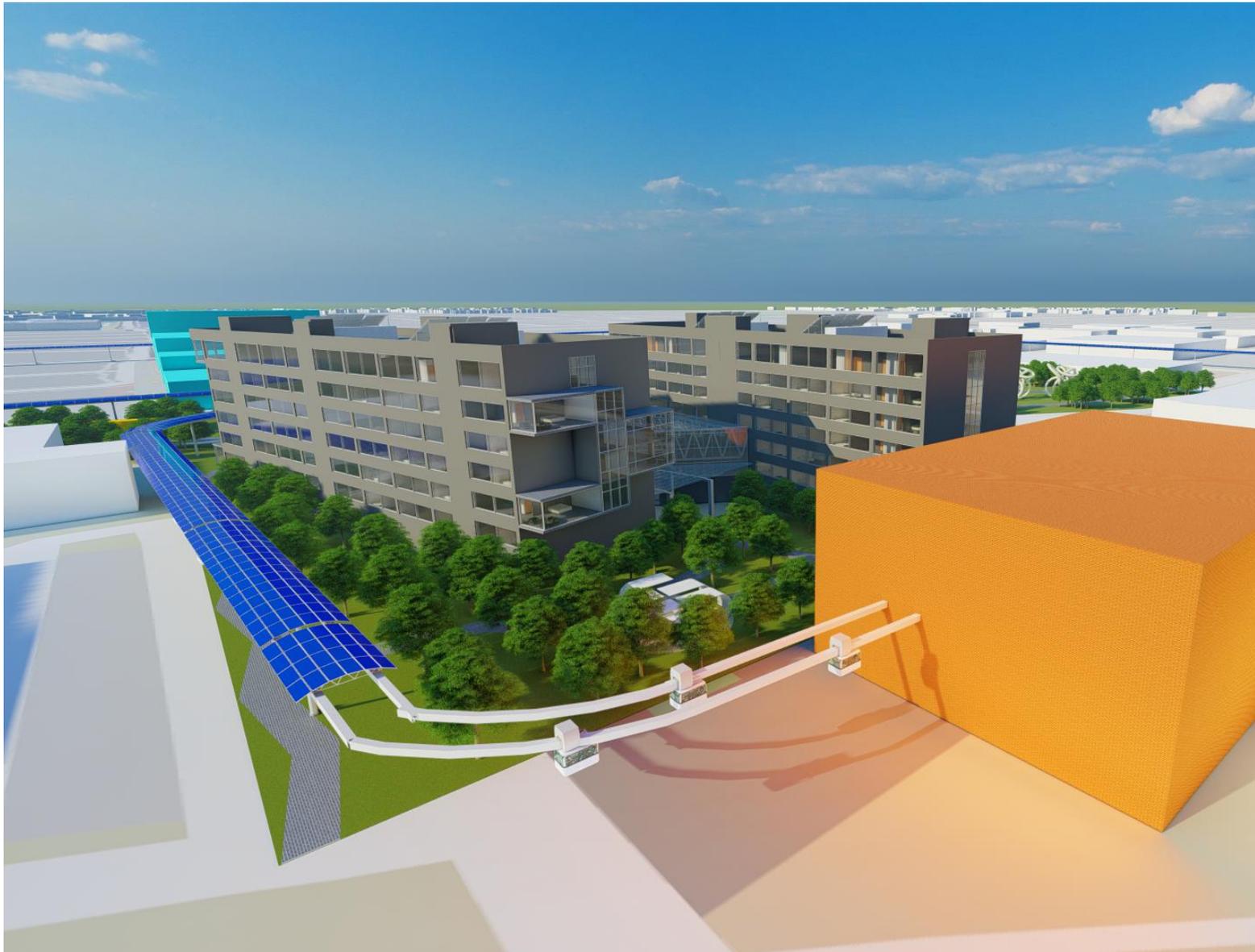
# AERIAL VIEW OF ENTRANCE



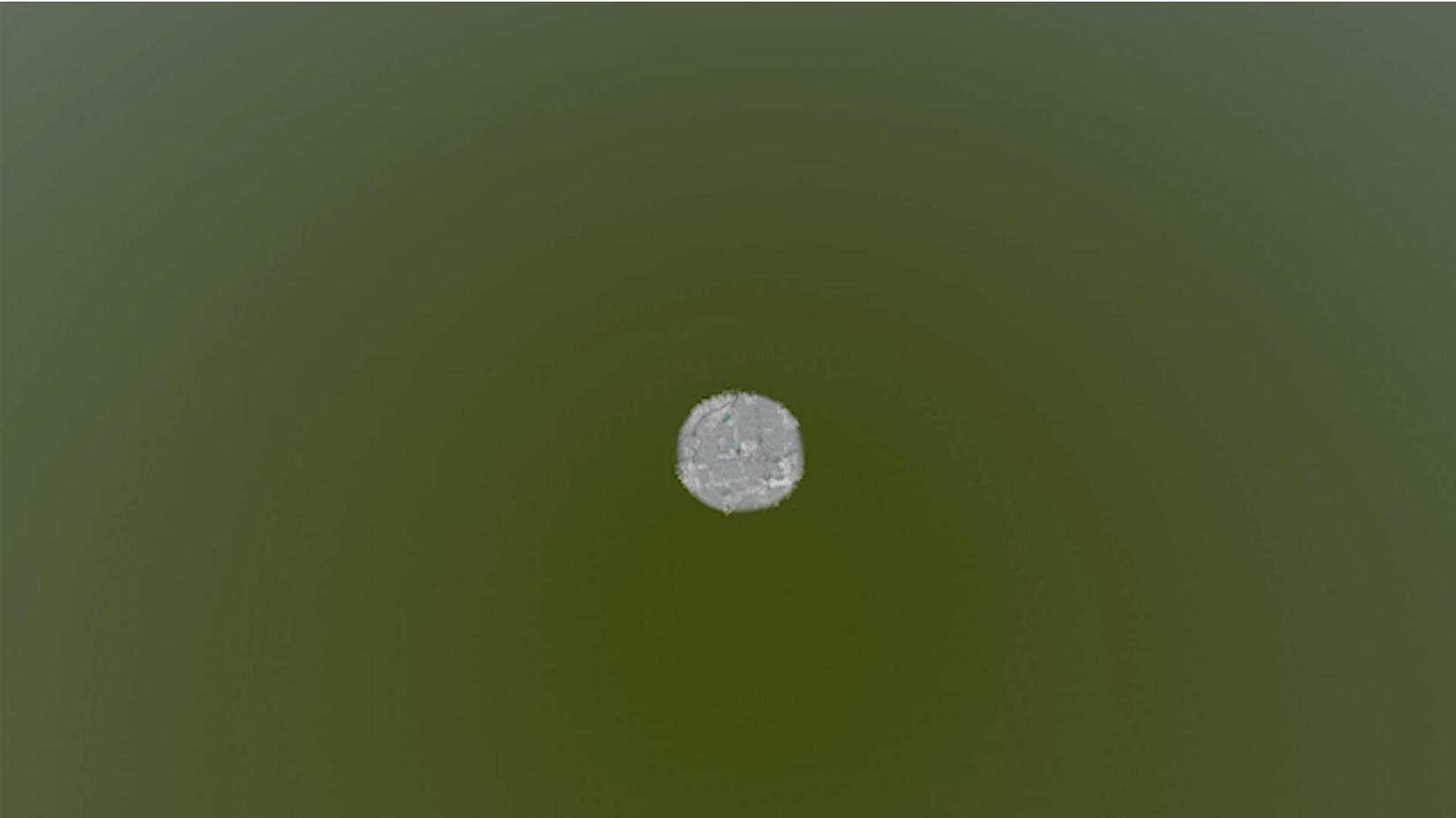
# AERIAL VIEW OF PRT TRACK



VIEW FROM  
COURTYARD



AERIAL VIEW OF  
CONNECTION  
TO THE PRT  
STATION





DIEGO ORITZ | MASS 85 APT + HOTEL

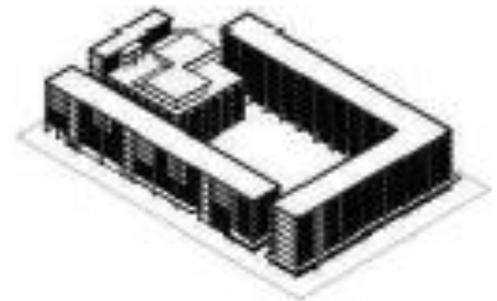
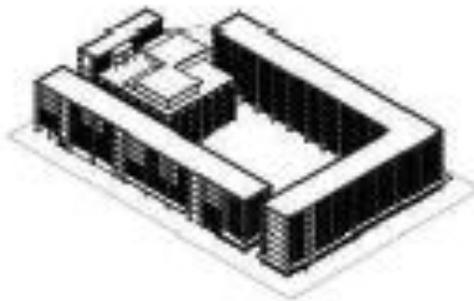
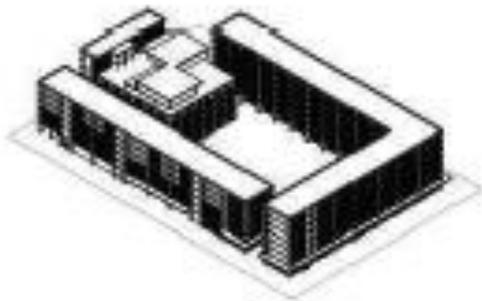
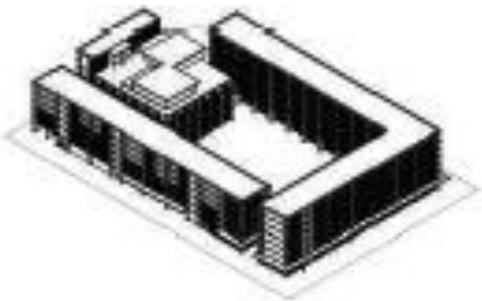
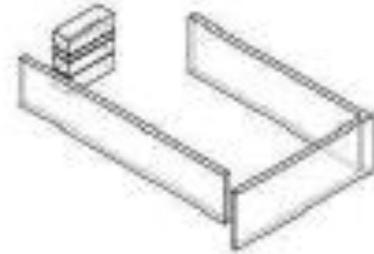
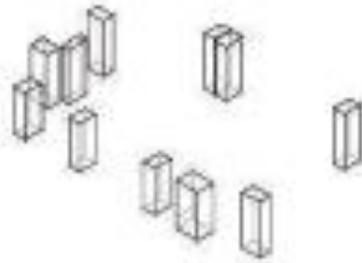
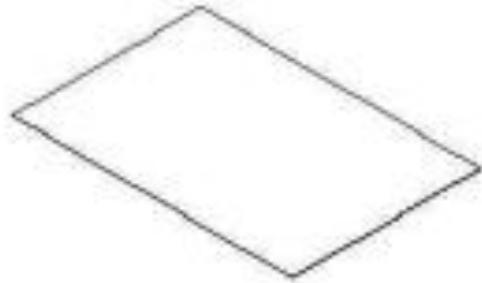
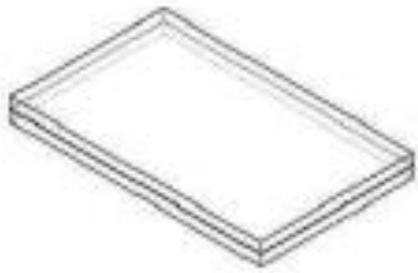




# RESIDENTIAL+BOUTIQUE HOTEL : PROGRAM SQUARE FOOTAGES | ADJACENCY DIAGRAM



# MASS AXONOMETRIC



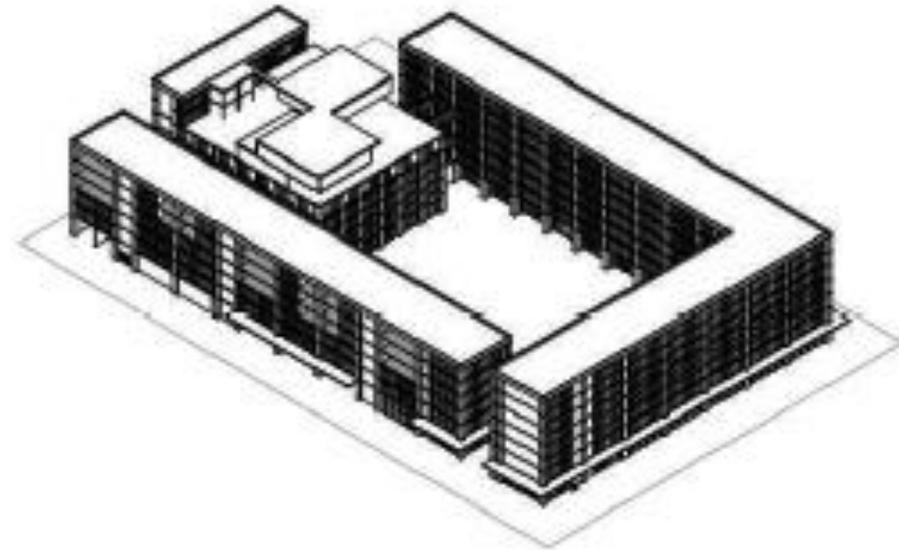
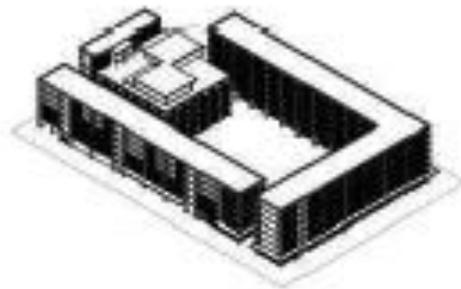
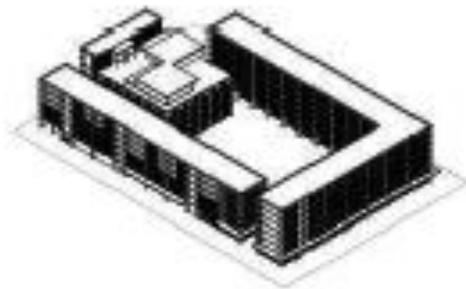
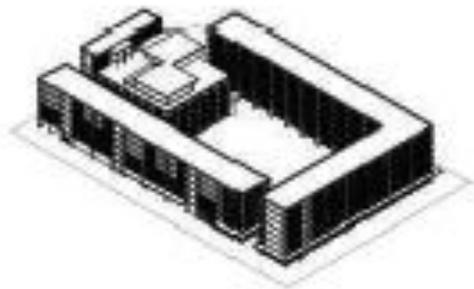
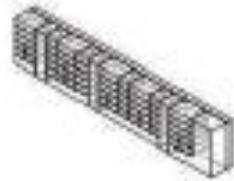
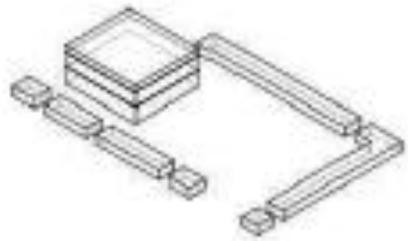
PARKING

LOT FOOTPRINT

VERTICAL  
CIRCULATION

CIRCULATION

# MASS AXONOMETRIC



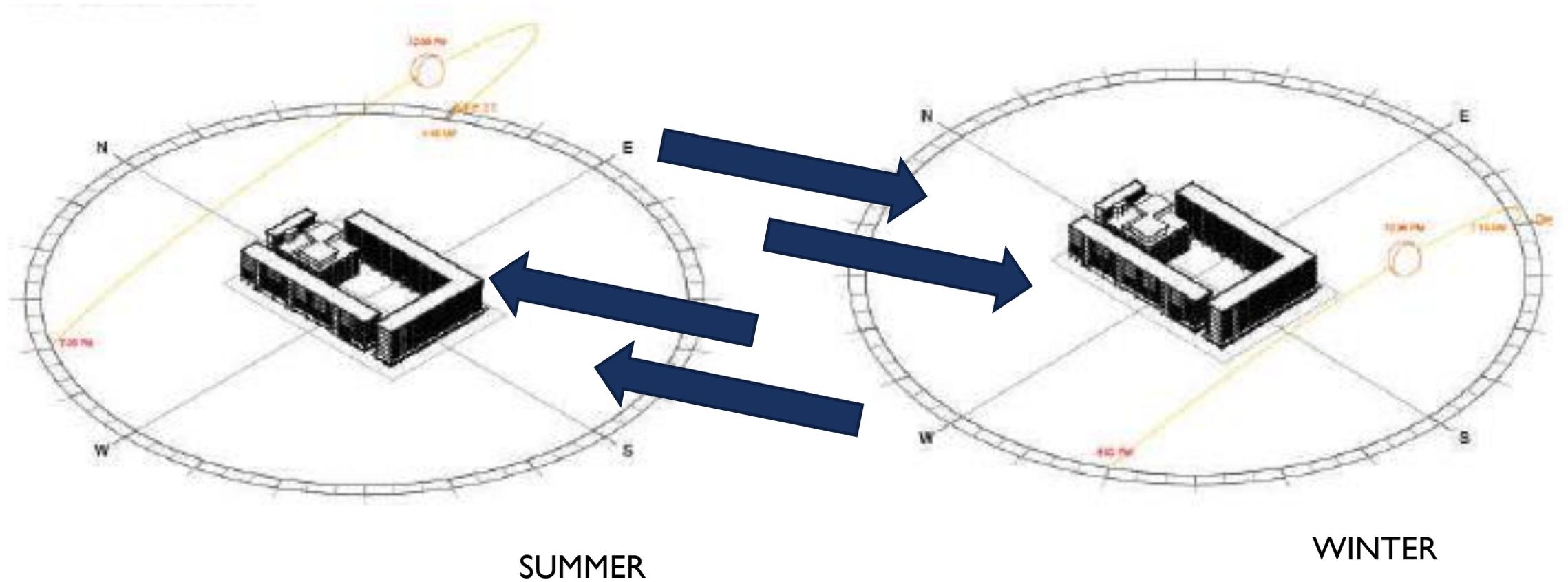
SHARED SPACES

HOTEL ROOMS

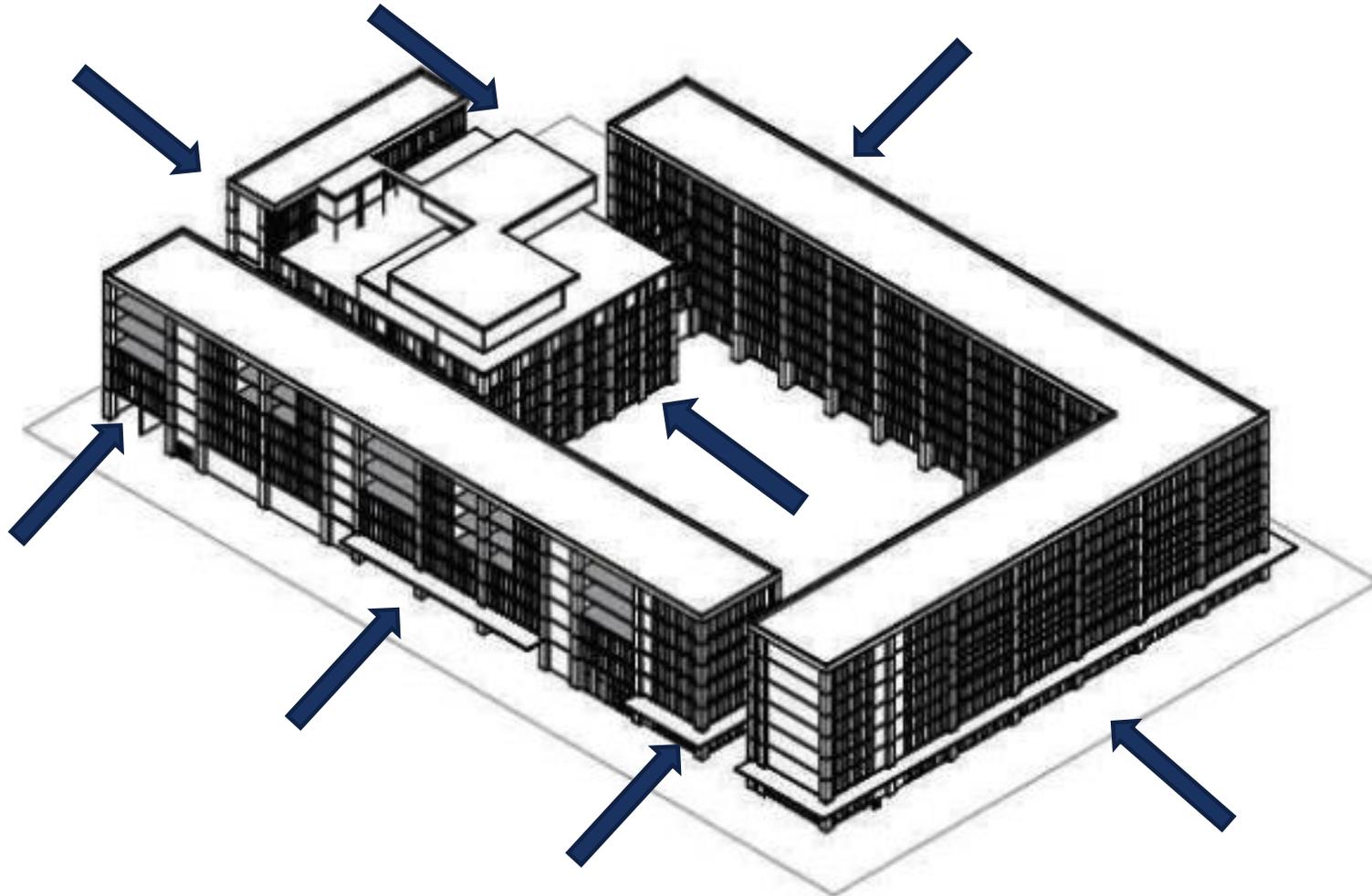
APARTMENTS  
UNITS

FULL MASS

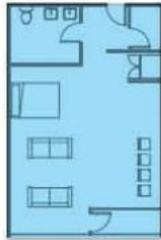
# SUN DIAGRAMS + WIND STUDY



# CIRCULATION



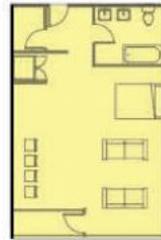
# UNIT PLANS



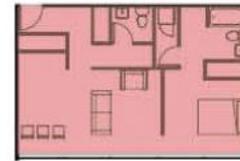
HOTEL | JR SUITE



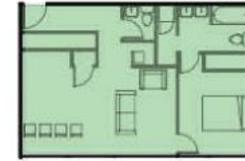
HOTEL | QUEEN SUITE



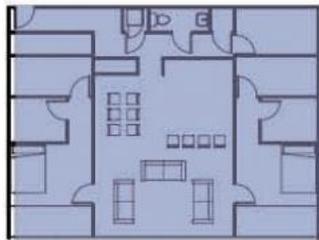
HOTEL | KING SUITE



APT | STUDIO



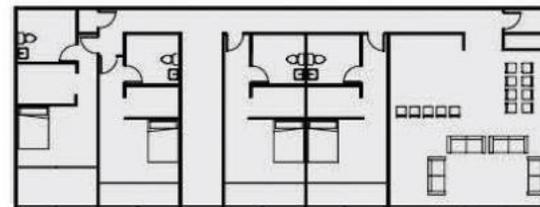
APT | ONE BEDROOM



APT | TWO BEDROOM

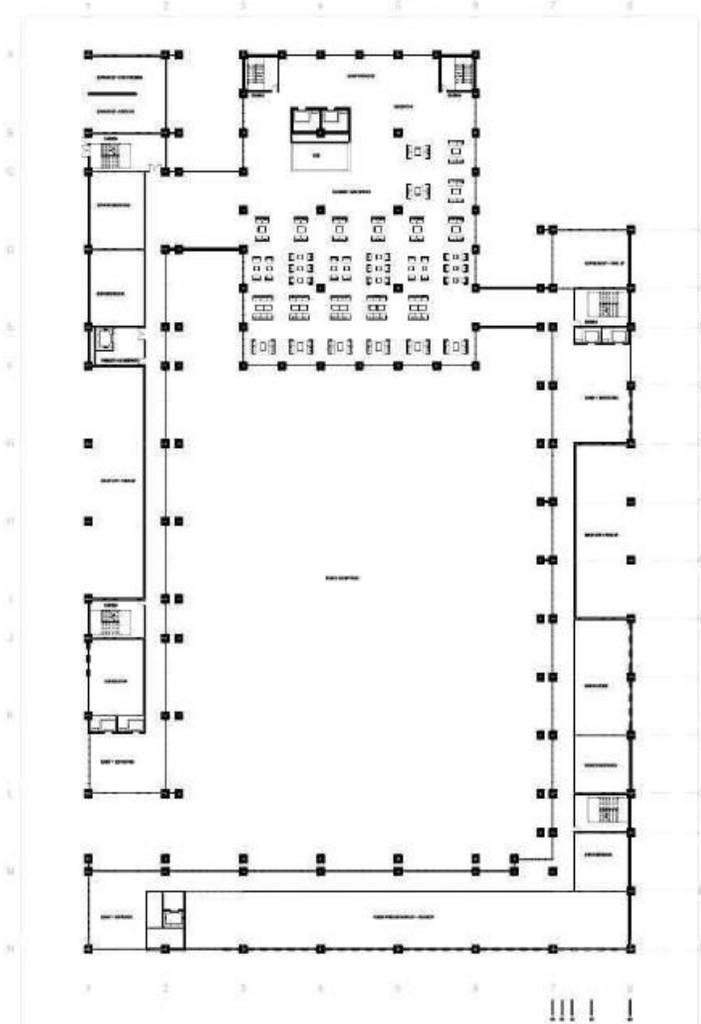


APT | THREE BEDROOM



APT | FOUR BEDROOM

# GROUND PLAN



LOBBY

GROCERY

COURTYARD

SECONDARY LOBBIES

SMALL RETAIL SPACES

UNDERGROUND ENTRANCE

# SECOND FLOOR PLAN



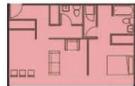
HOTEL | JR SUITE



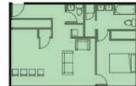
HOTEL | QUEEN SUITE



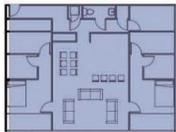
HOTEL | KING SUITE



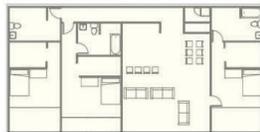
APT | STUDIO



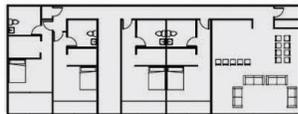
APT | ONE BEDROOM



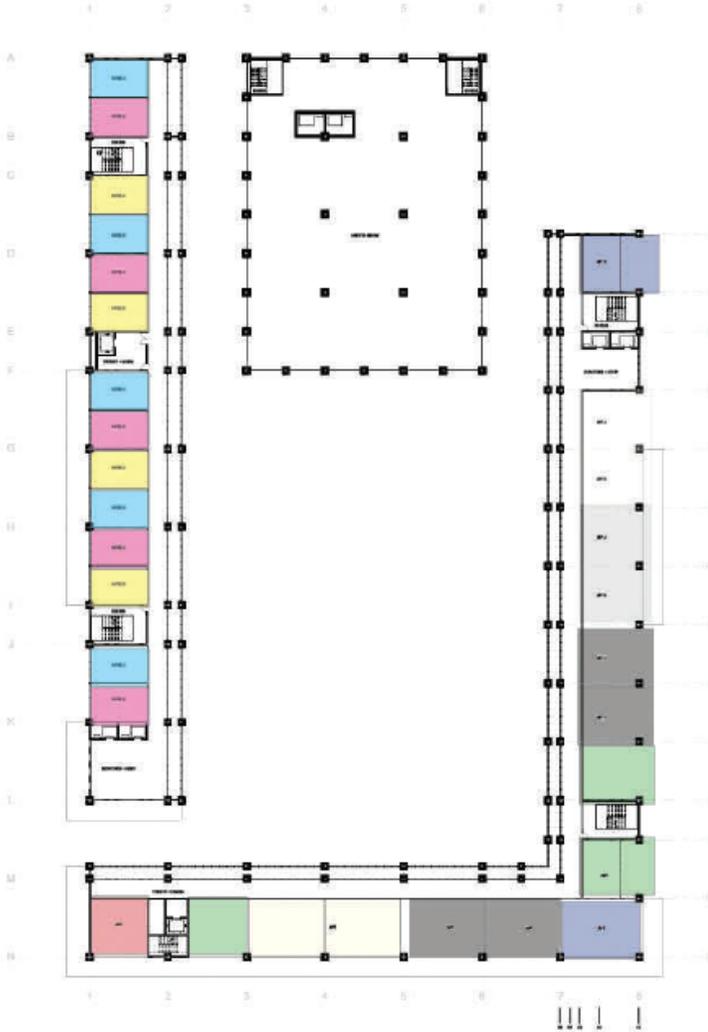
APT | TWO BEDROOM



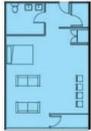
APT | THREE BEDROOM



APT | FOUR BEDROOM



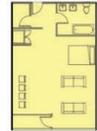
# FOURTH FLOOR PLAN



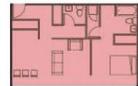
HOTEL | JR SUITE



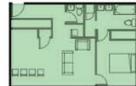
HOTEL | QUEEN SUITE



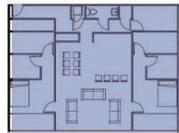
HOTEL | KING SUITE



APT | STUDIO



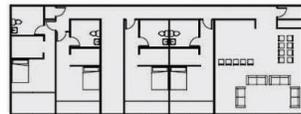
APT | ONE BEDROOM



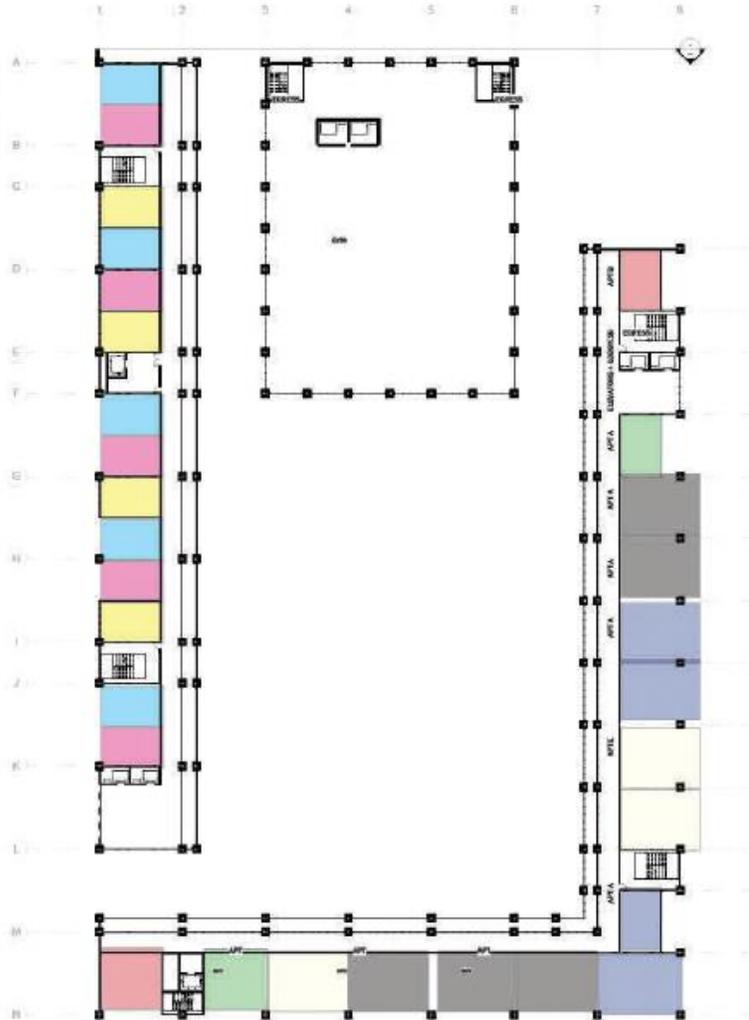
APT | TWO BEDROOM



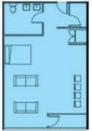
APT | THREE BEDROOM



APT | FOUR BEDROOM



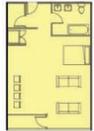
# SIXTH FLOOR PLAN



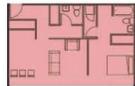
HOTEL | JR SUITE



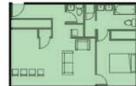
HOTEL | QUEEN SUITE



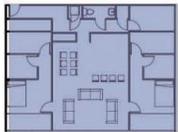
HOTEL | KING SUITE



APT | STUDIO



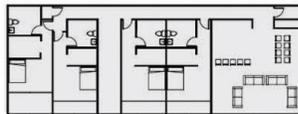
APT | ONE BEDROOM



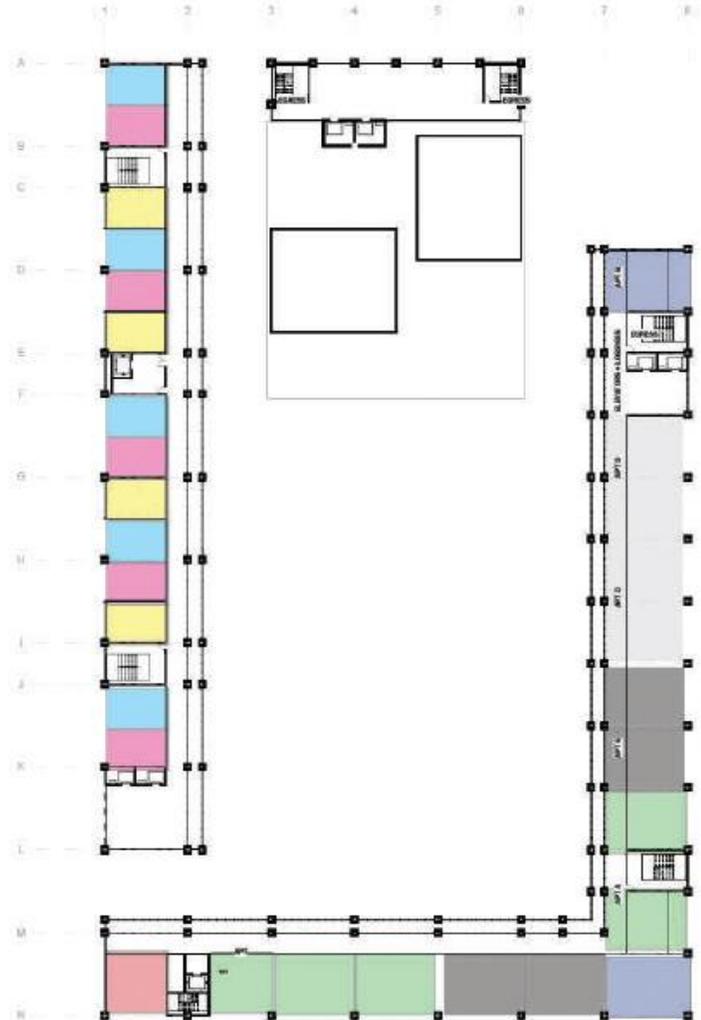
APT | TWO BEDROOM



APT | THREE BEDROOM



APT | FOUR BEDROOM



# EXTERIOR RENDER

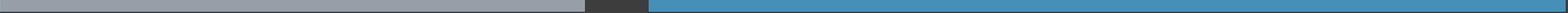


# INTERIOR LOBBY



# COURTYARD VIEW





Thank you all!  
comments and questions.