

**P O R**

**T F O**

**L I O**

**D O A N - H A I - D A N G**

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CONTEMPORARY ARCHITECTURE  
IN HISTORIC CONTEXT

PROFESSOR  
AMMAR ELOUEINI

## URBAN COURTYARD

LOCATION: 1040 MAGAZINE STREET,  
NEW ORLEANS, L.A, U.S.A.

PROPERTY SIZE: 60' x 117' = 8.120 ft.<sup>2</sup>

PROGRAM: HOTEL

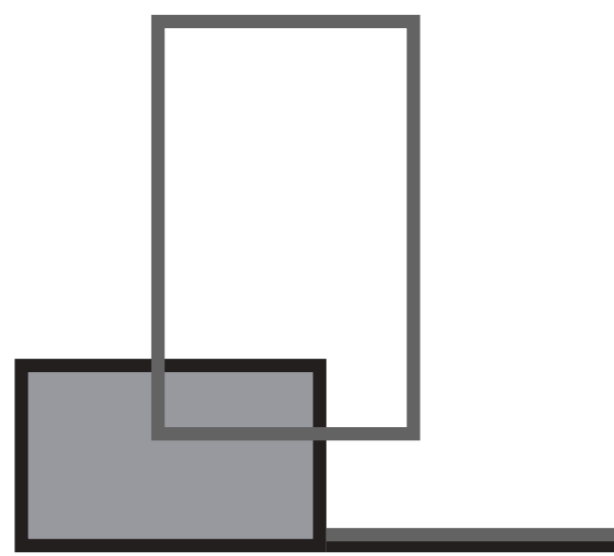
THIS MULTI-SEMESTER STUDIO FOCUSES ON CONTEMPORARY ARCHITECTURAL INTERVENTION IN HISTORIC CONTEXTS. THE ULTIMATE PURPOSE IS TO ADDRESS HOW PRACTITIONERS NOWADAYS ARE FACING AN INVISIBLE WALL WHEN IT COMES TO CREATING CONTEMPORARY DESIGNS THAT CAN STILL REFLECT THE HISTORICAL VALUES OF THE SURROUNDINGS. FOR WHERE I FINISHED MY M.ARCH DEGREE, NEW ORLEANS, IS THE OLDEST, MOST WELL PRESERVED CITY IN THE U.S, IT IS THE PERFECT LOCATION TO STUDY AND TO APPLIED WHAT I HAVE LEARNT INTO THIS PROJECT.



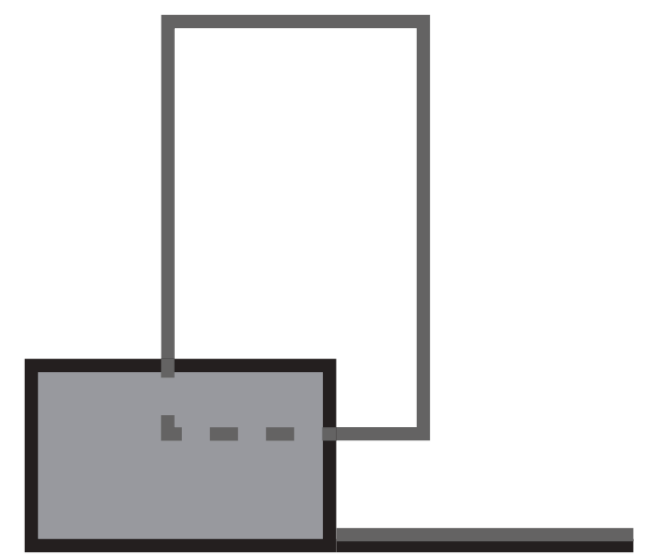
CONCEPT DIAGRAM



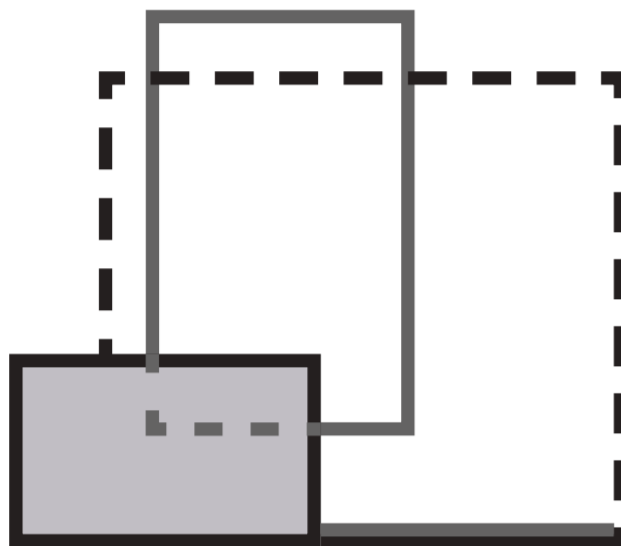
ORIGINAL SITE ANALYSIS



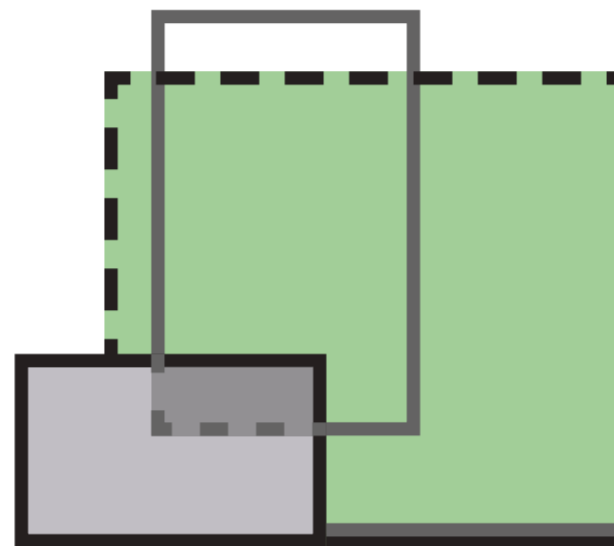
ADDITION



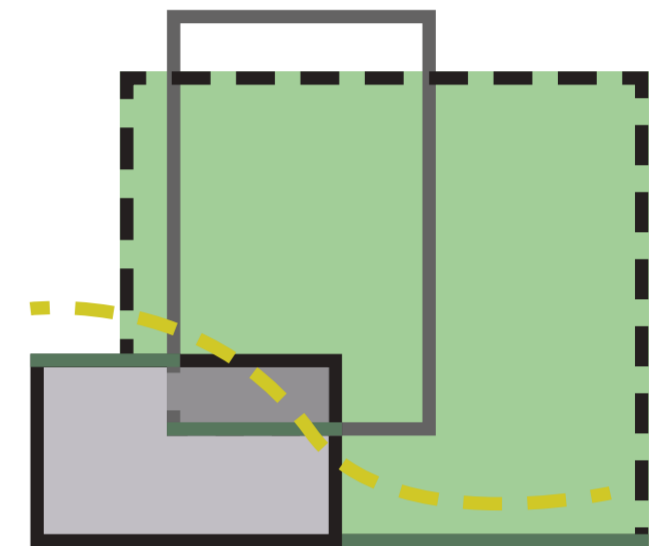
SUBTRACTION



ADDITION

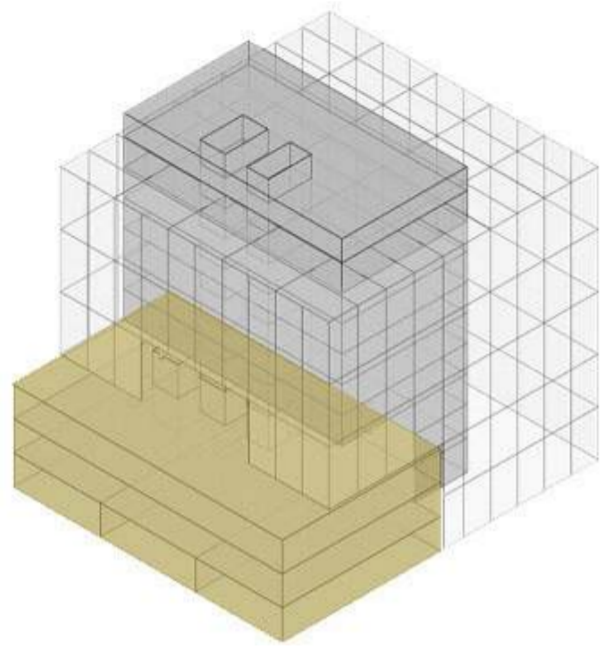


MATERIALIZE

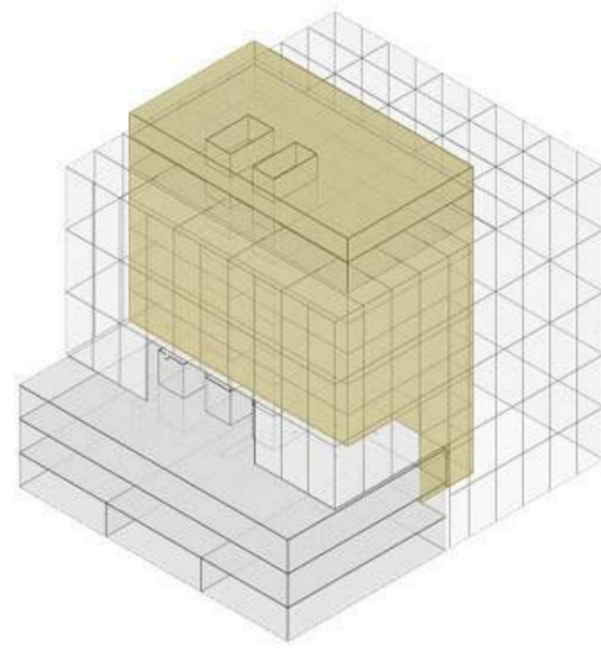


FORMING SPATIAL CONNECTION

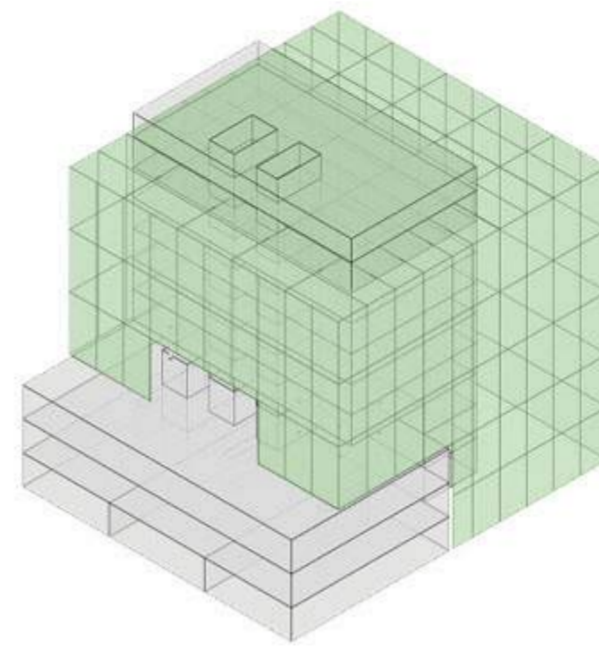




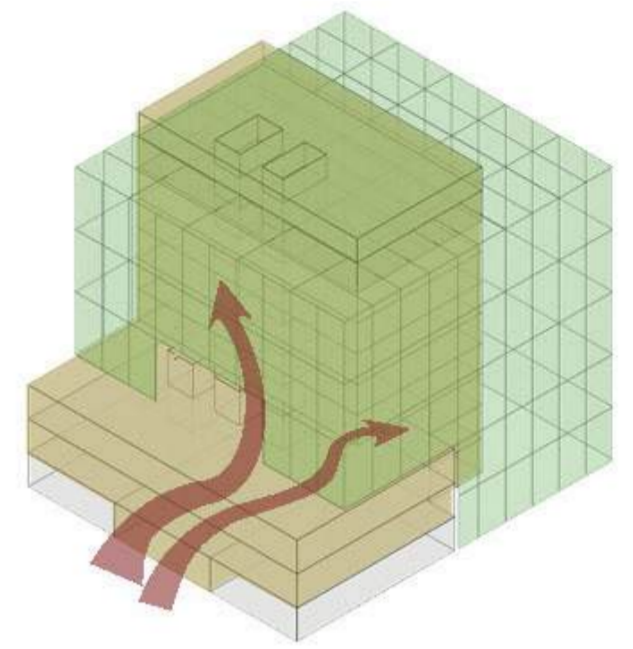
PRESERVED BUILDING



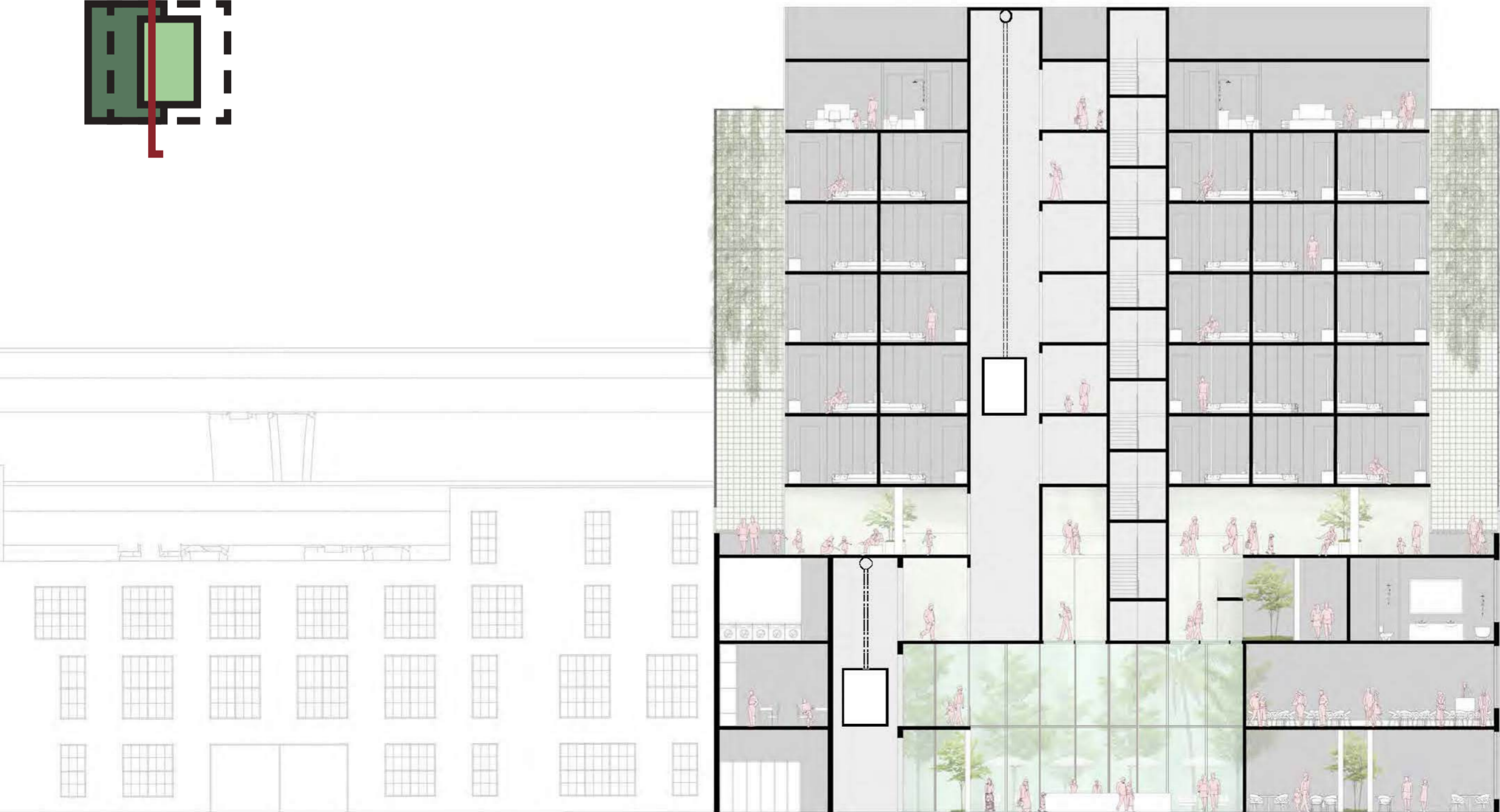
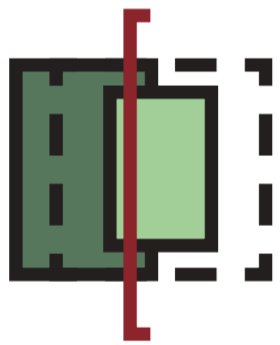
NEW ADDITION

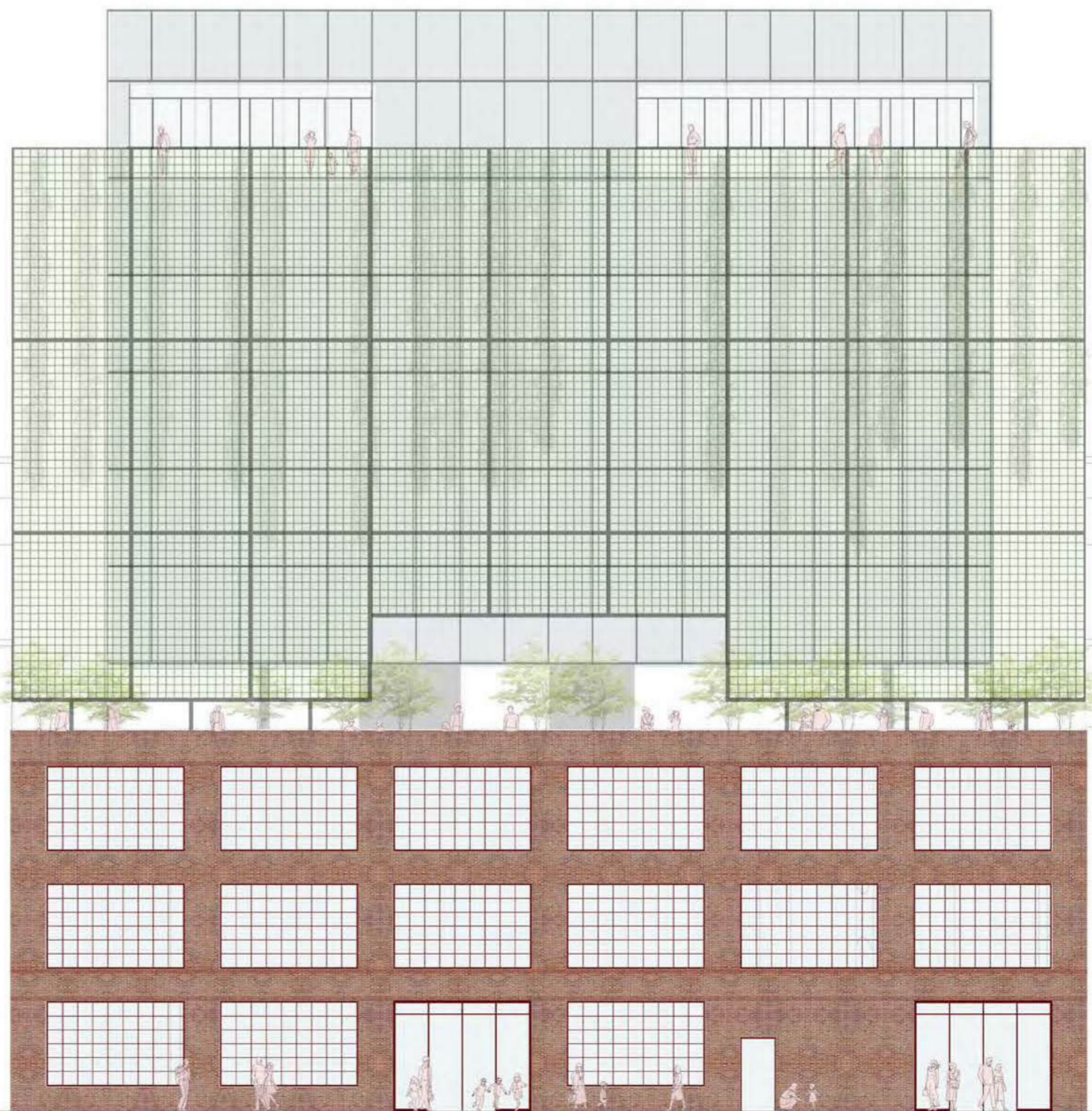
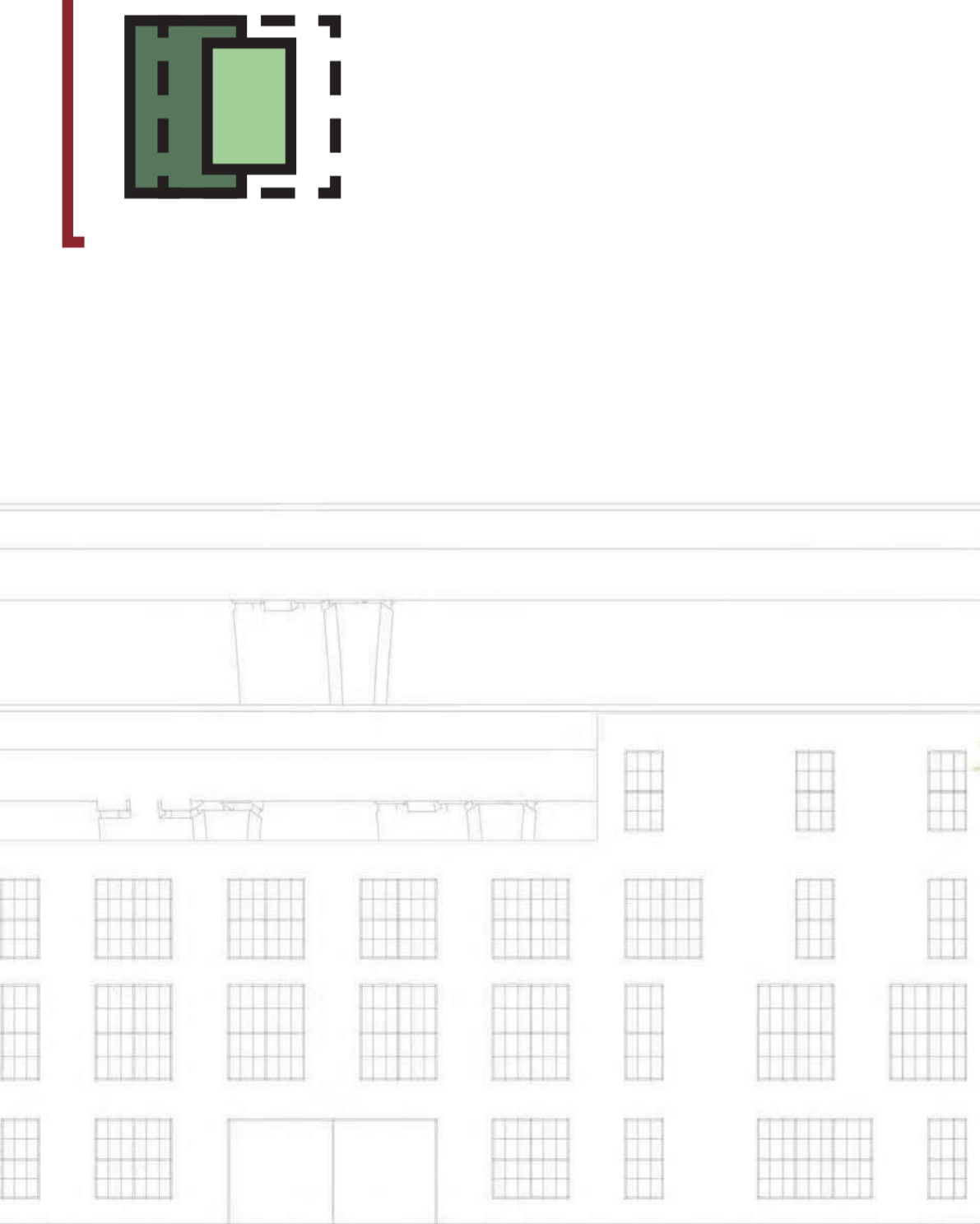
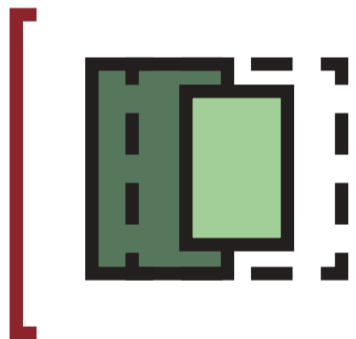


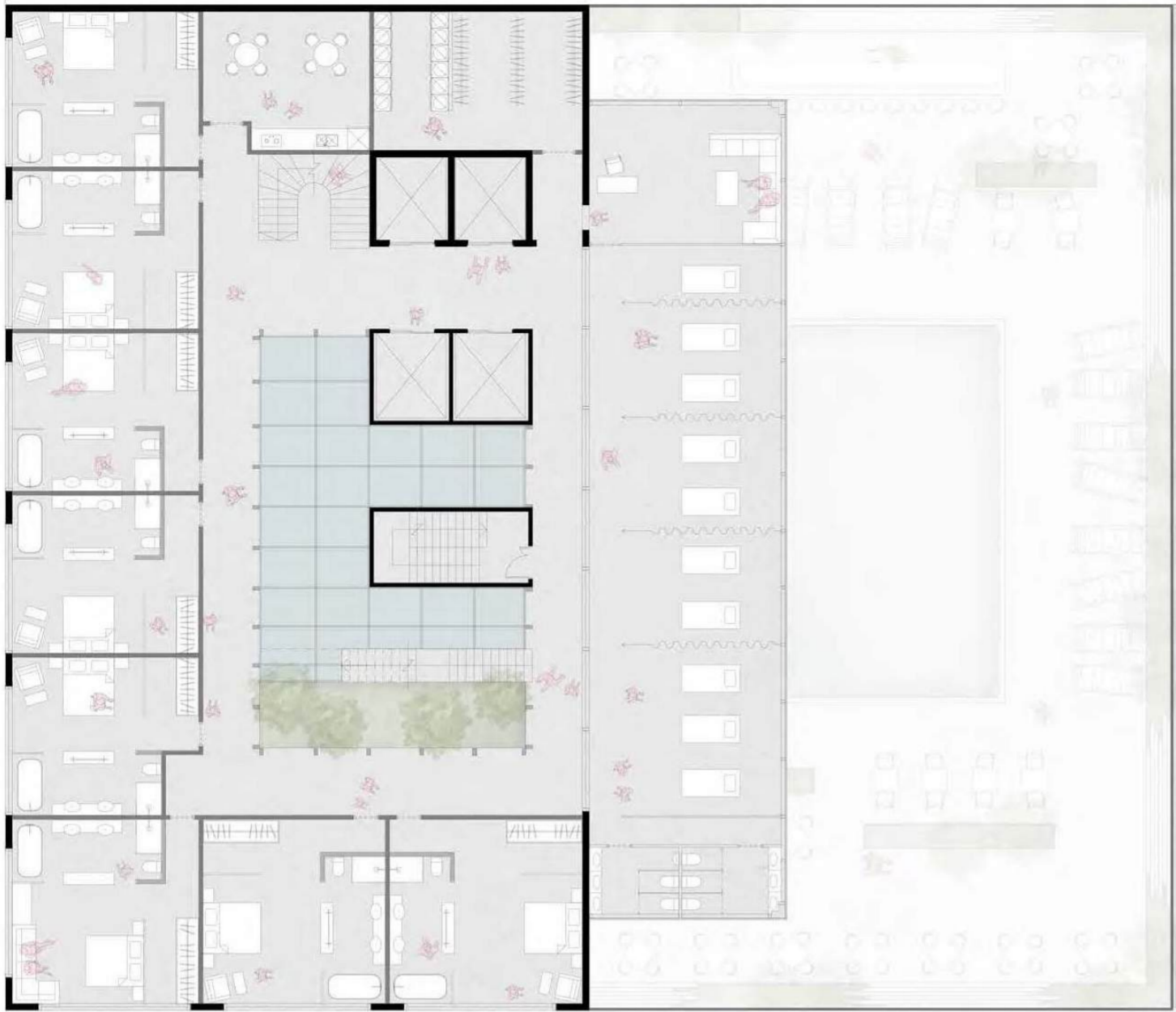
GREEN SCREEN

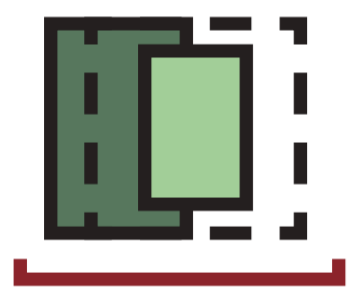
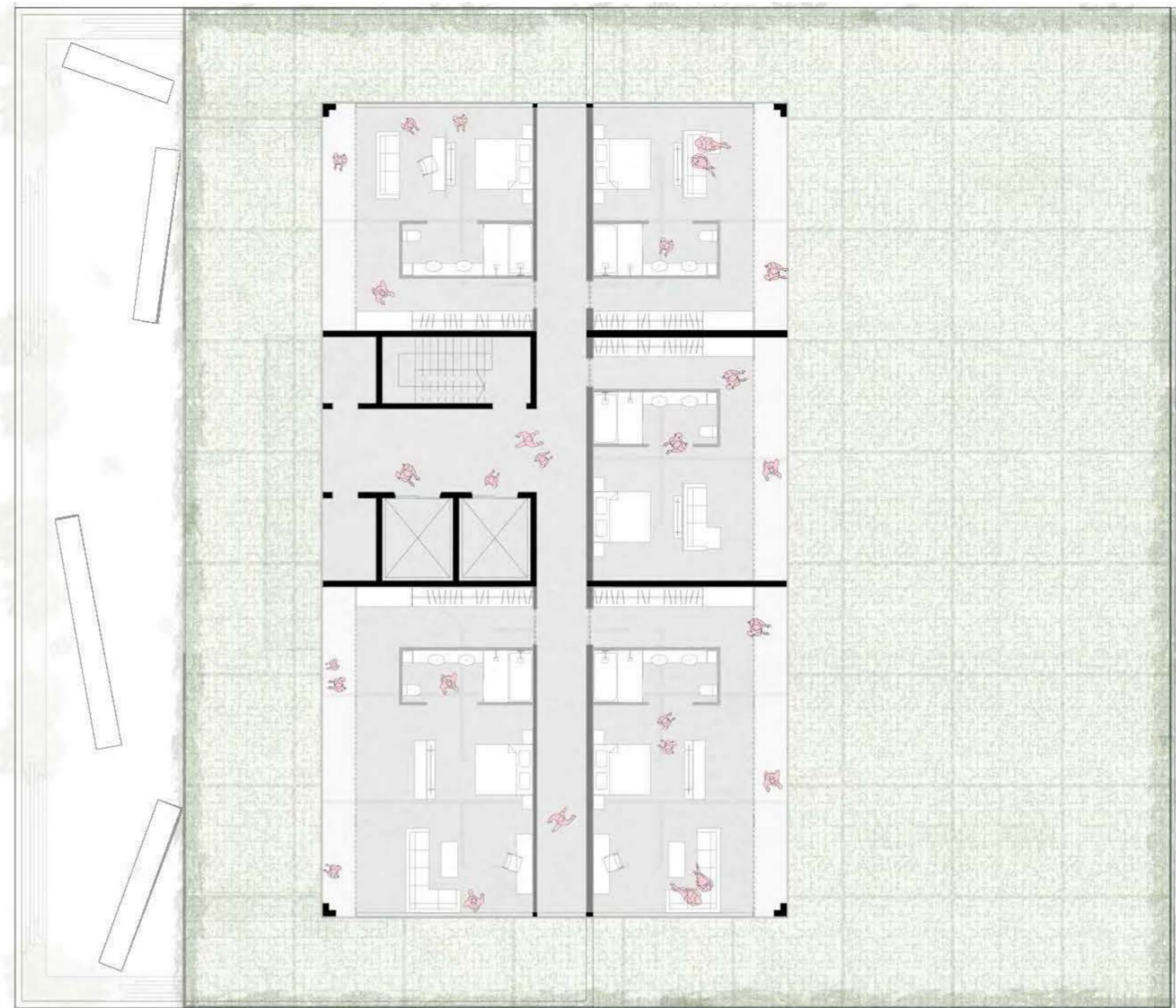
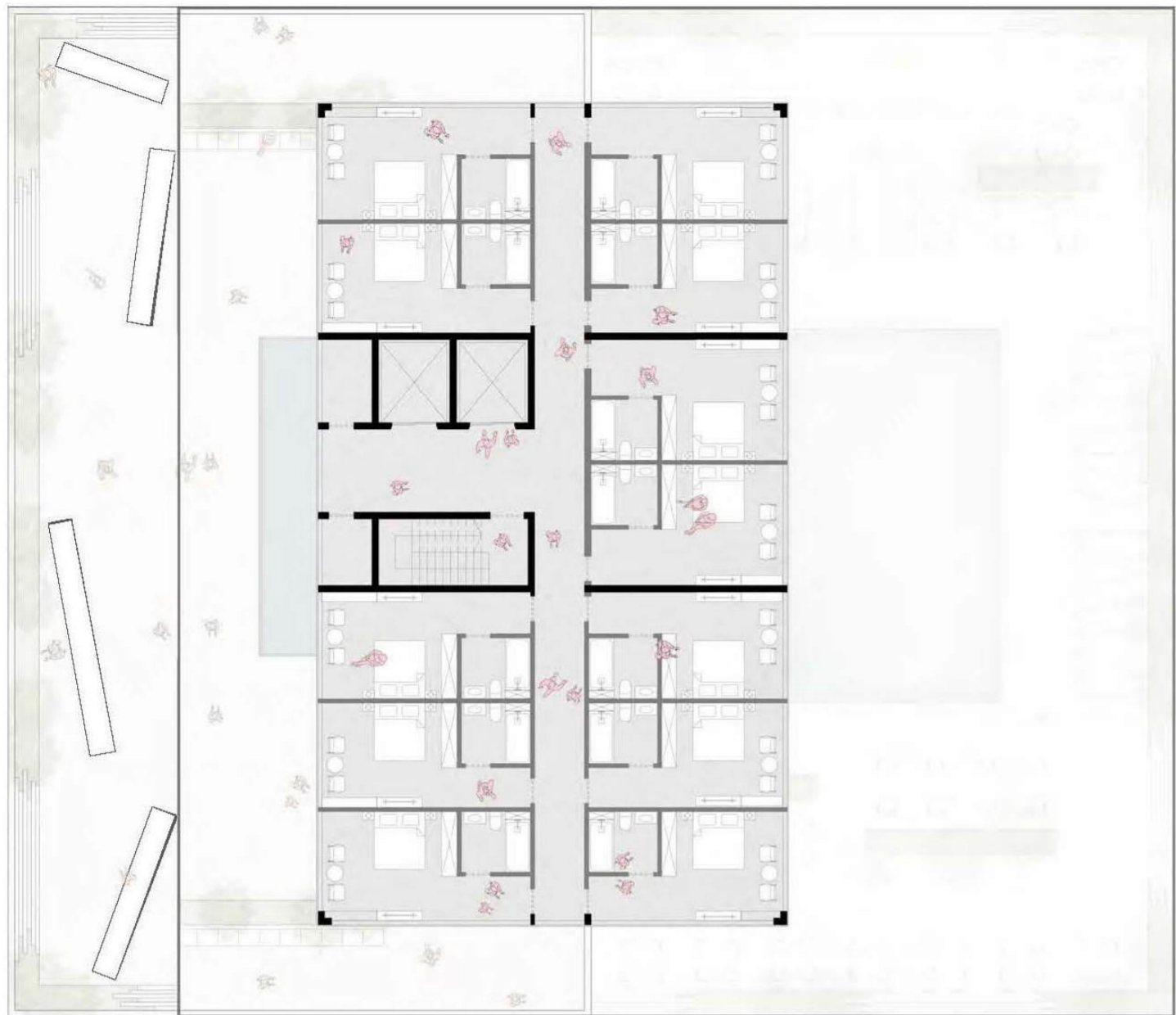


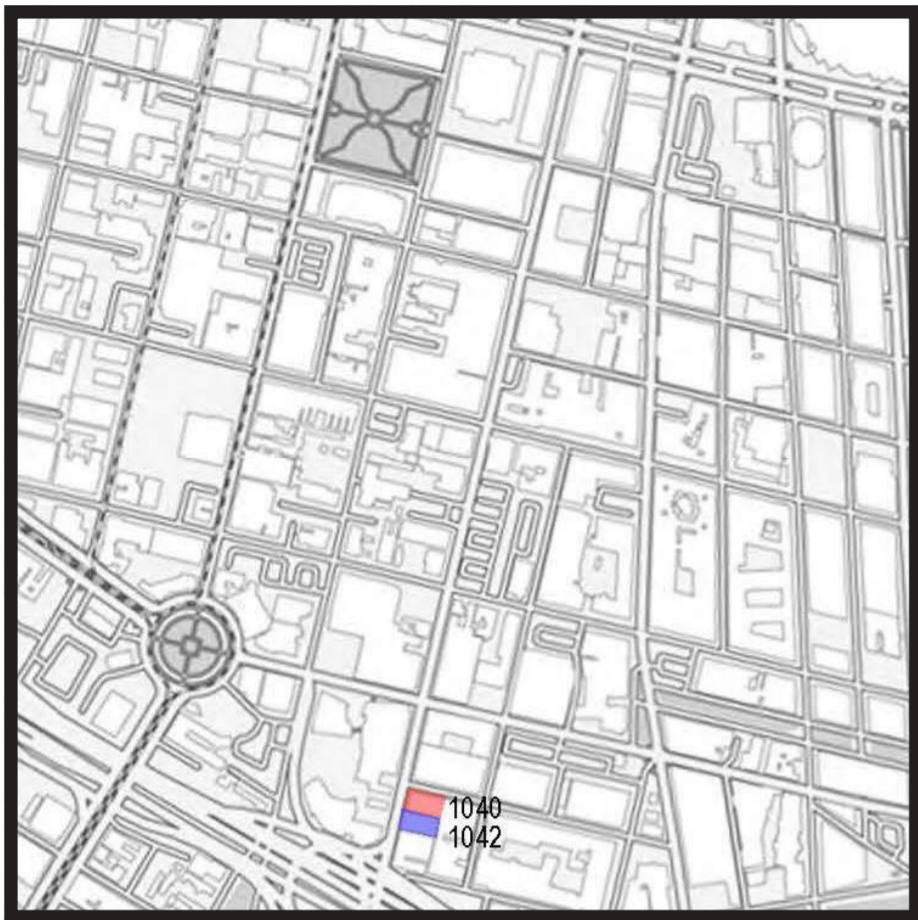
SPATIAL EXPERIENCE  
CHAIN





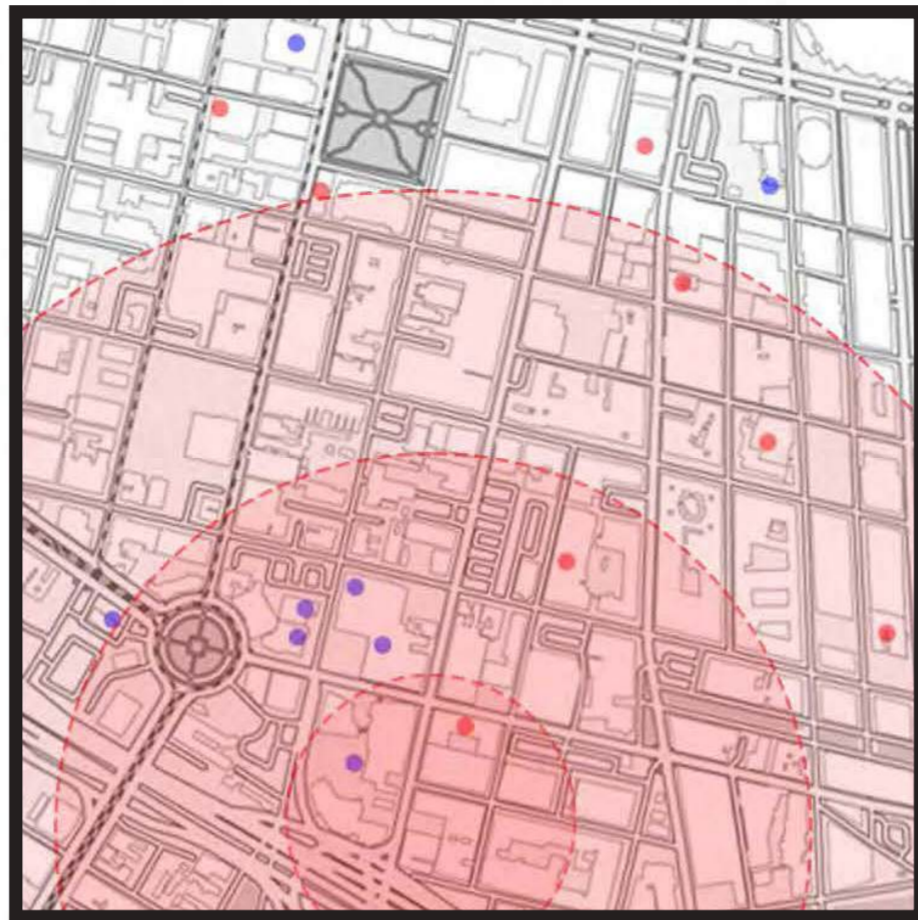






### ZONING SUMMARY

OWNERSHIP: THE NATIONAL WWII MUSEUM INC.  
ZONING DISTRICT: CBD-3 CULTURAL ART DISTRICT  
AREA: 8120 SQ. FT.  
FUTURE USE: MIXED-USE DOWNTOWN CORE NEIGHBORHOOD.  
MAXIMUM HEIGHT: 75/125 FT & 6/10 STORIES.  
MAXIMUM FAR: SUBJECTED TO HEIGHT LIMIT.  
FRONT YARD: NONE REQUIRED.



### SIMILAR PROGRAMS AND ACCESSIBILITY ANALYSIS



### MEANS OF ACCESS TO SITE



# ARCH - 6032

INTEGRATED STUDIO

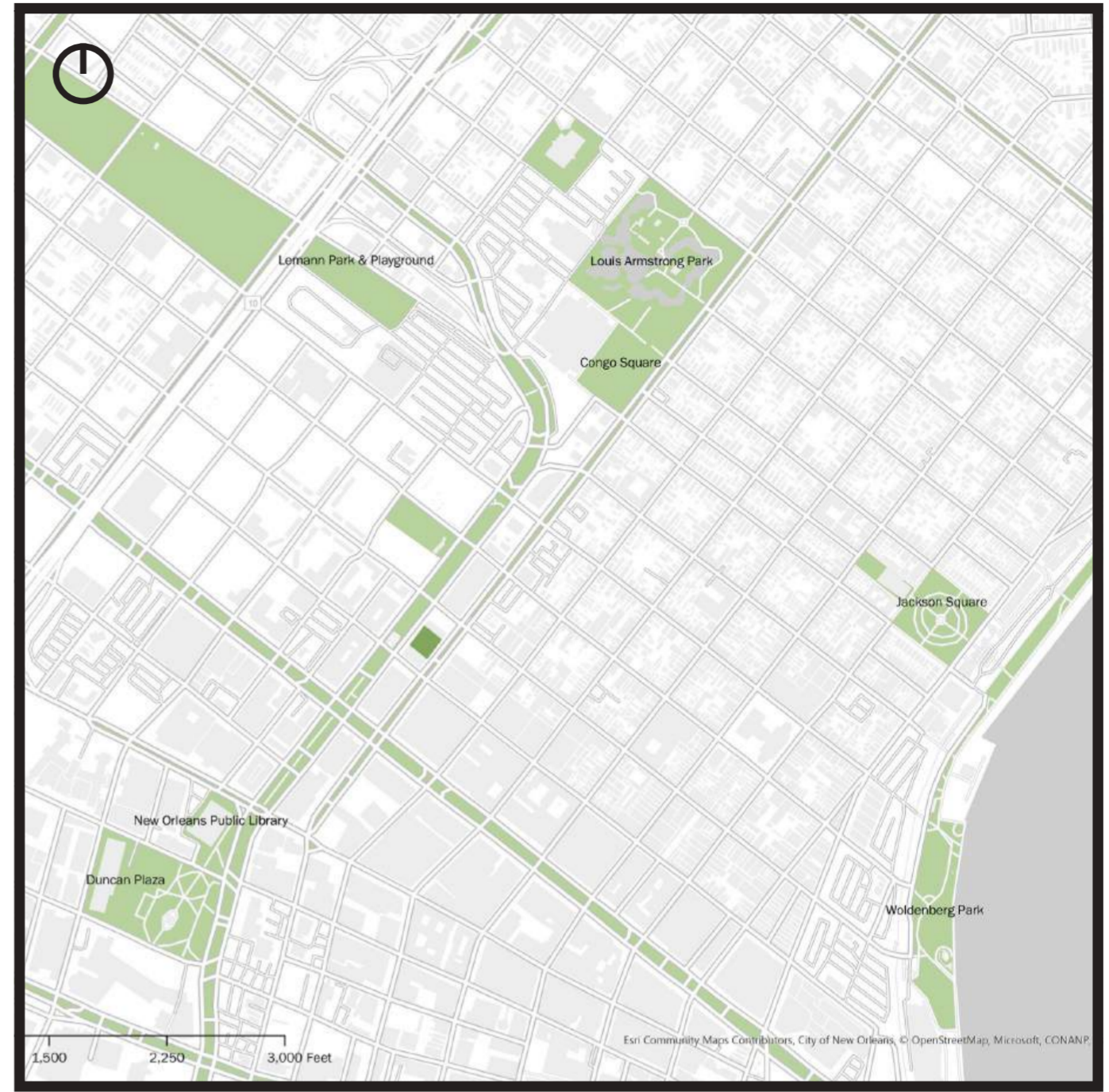
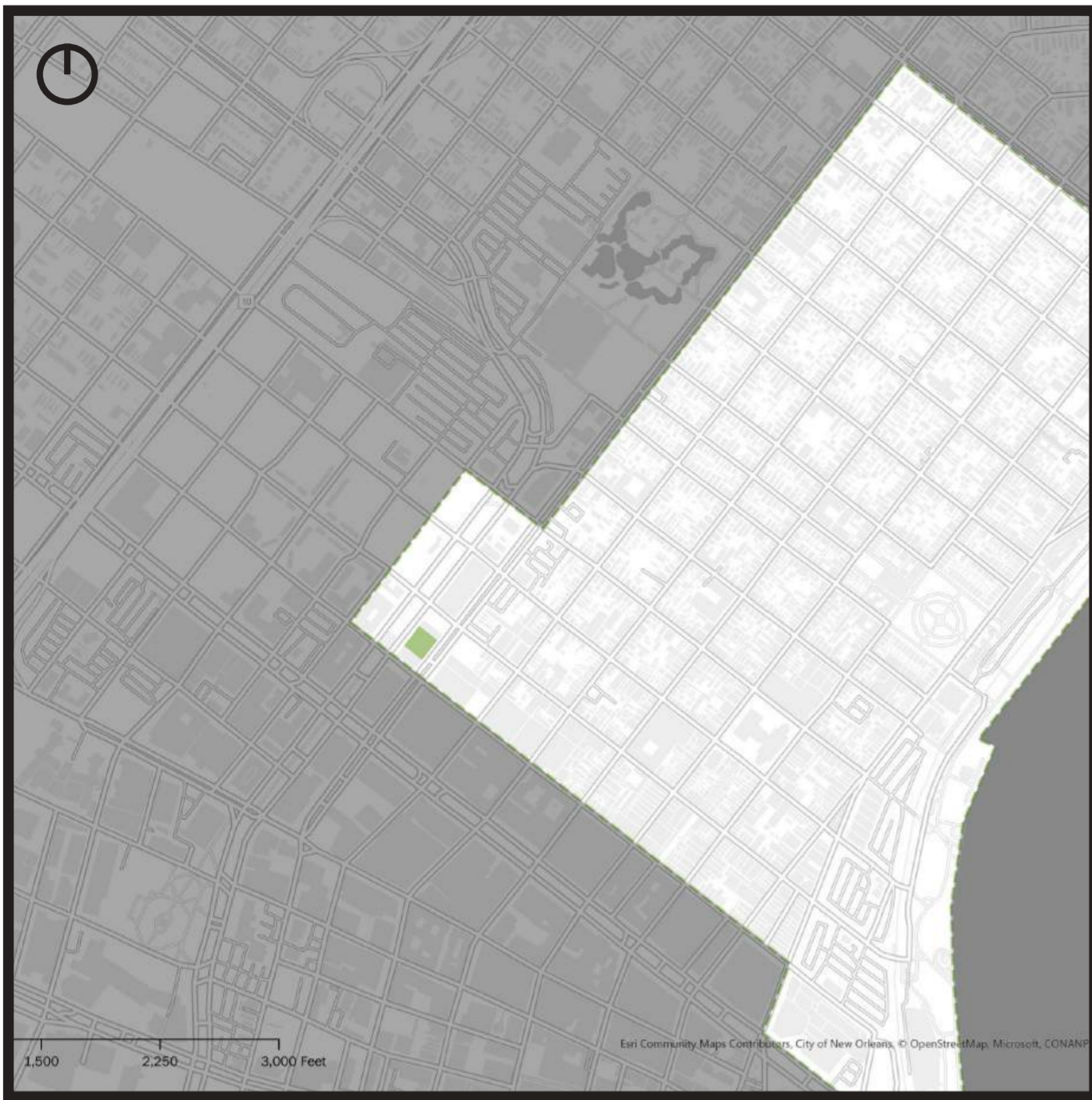
PROFESSOR  
ANDREA BARDON DE TENA

## HOSTEL II

LOCATION: 215 NORTH RAMPART STREET  
NEW ORLEANS, L.A, U.S.A.  
PROPERTY SIZE: 128' x 128' = 16.460 ft.<sup>2</sup>  
PROGRAM: URBAN HOSTEL

THE PRIMARY OBJECTIVE OF THIS PROJECT IS TO HELP ARCHITECTURE STUDENTS FOLLOW THROUGH A COMPLETE DESIGN PROCESS WHERE NOT ONLY ARCHITECTURAL KNOWLEDGE LIKE SPATIAL PLANNING AND DESIGN ARE EXPLORED, BUT ALSO BUILDING SCIENCE AND TECHNOLOGIES. STUDENTS WILL BE EXPECTED TO UNDERSTAND AND COMPLY WITH ALL APPLICABLE BUILDING CODE REGULATION SUCH AS LIFE SAFETY AND MEANS OF EGRESS. THE IMPLICATION OF CONSTRUCTION TECHNIQUES, BUILDINGS SYSTEM WILL ALSO BE FULLY EXPLORED.





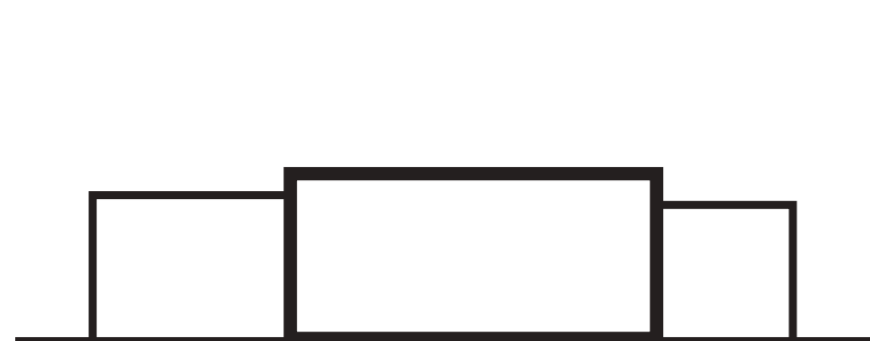
### ZONING SUMMARY

### OPEN PUBLIC GREENSPACES AND RELATION TO SITE OF STUDY

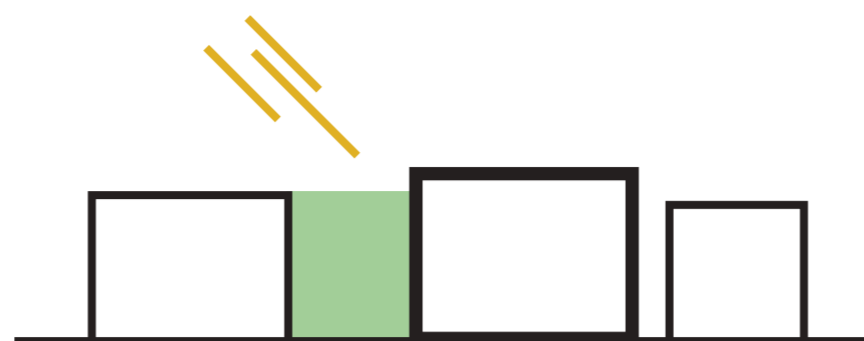
LOCATION:	WITHIN BOUNDARY OF FRENCH QUARTER
SITE ADDRESS:	215 NORTH RAMPART STREET, NEW ORLEANS, LOUISIANA, 70112
PROPERTY SIZE:	128' x 128' = 16,460 ft. <sup>2</sup>
ZONING DISTRICT:	MU-1 MEDIUM INTENSITY MIXED USED ZONE
MAXIMUM HEIGHTS:	60' (NO MORE THAN 5 STORIES)
MINIMUM PERMEABLE SPACE:	20%
SETBACKS:	5' (WHERE THERE ARE WINDOWS)
FLOODING RESILIENCE:	3' (ABOVE HIGHEST POINT OF ADJACENT CURB)



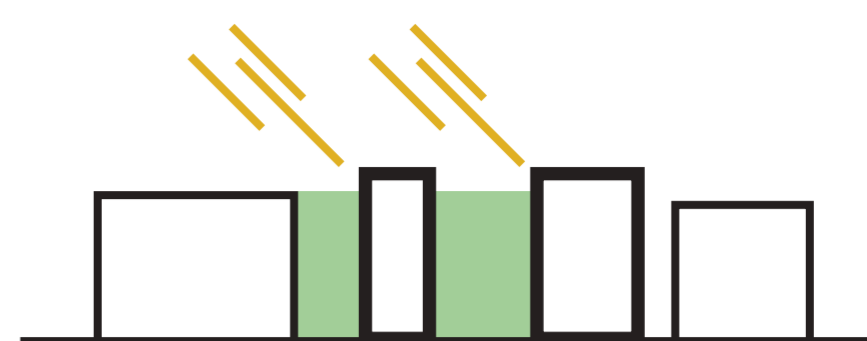
# CONCEPT DIAGRAM



BUILDING IN FULL SITE



REDUCE FOR LIGHT



FURTHER TRANSFORMATION



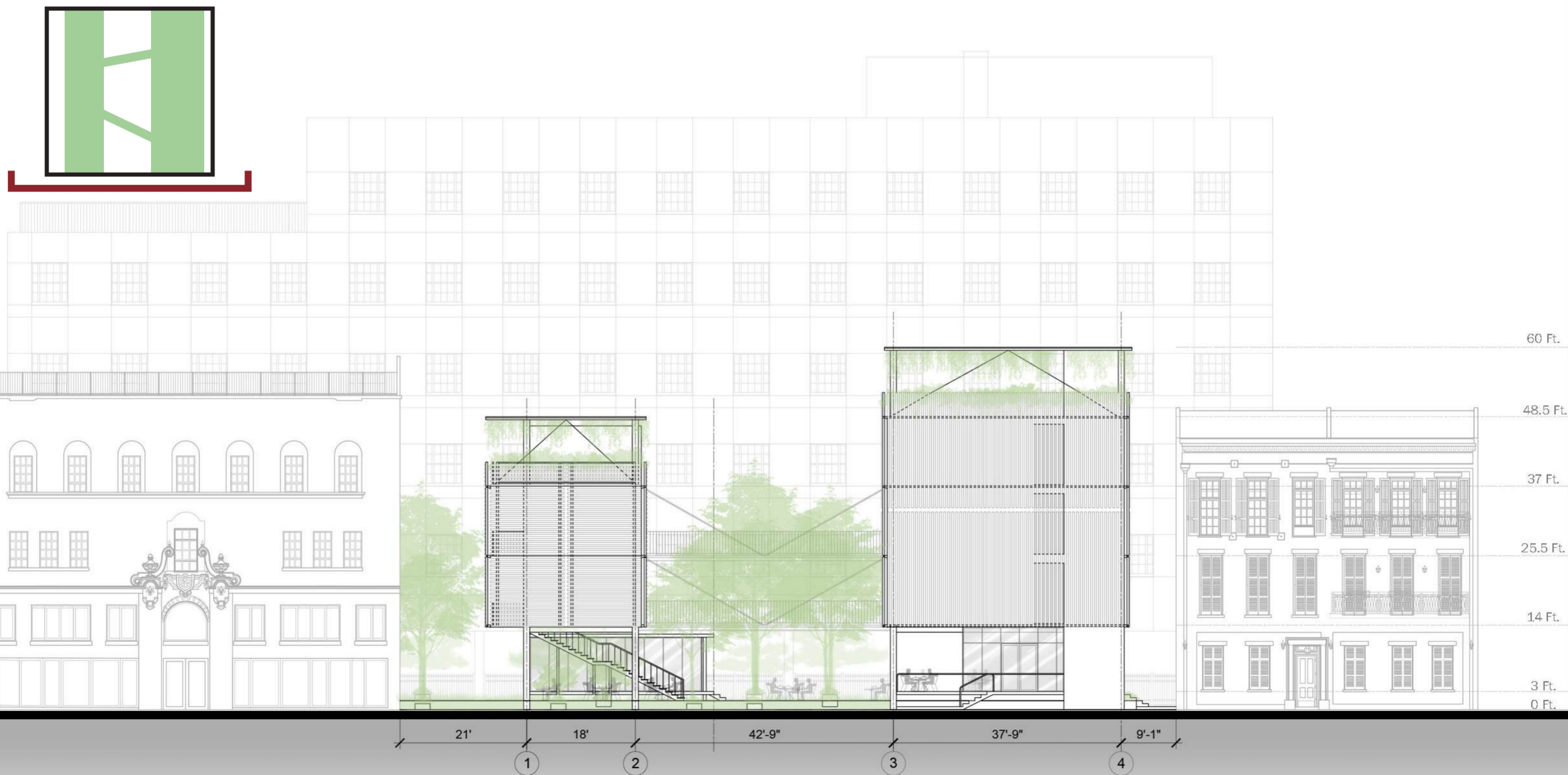
INCREASE GREEN SPACE



PROGRAM DISTRIBUTION



TRANSPARENT COMERCIAL GROUND FLOOR

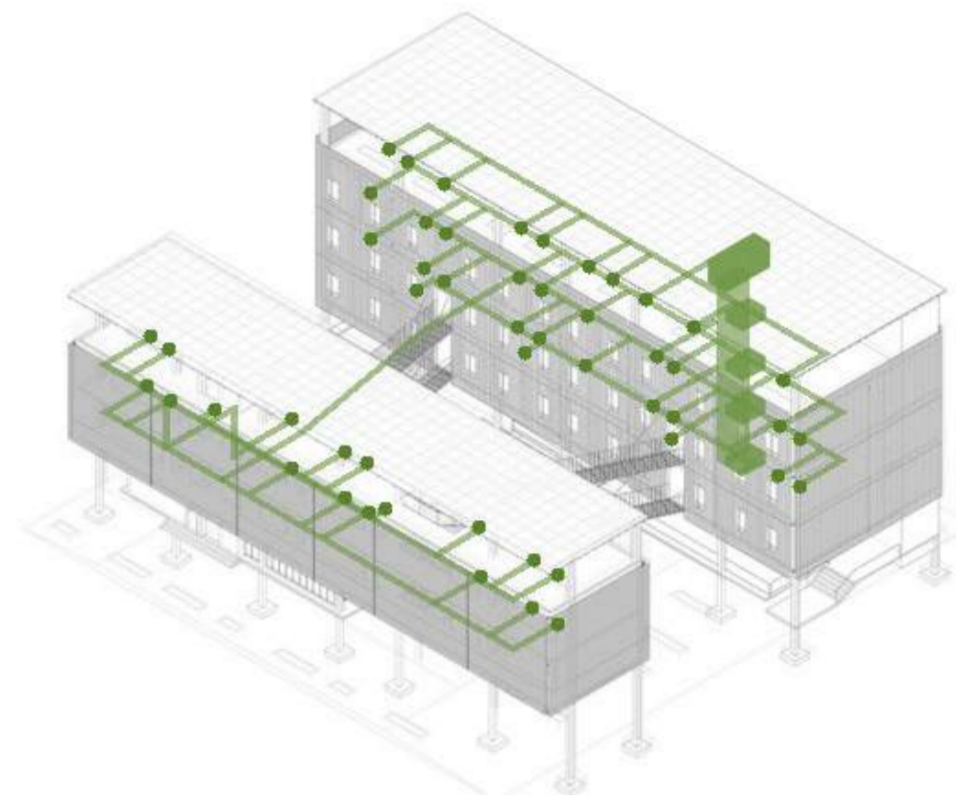




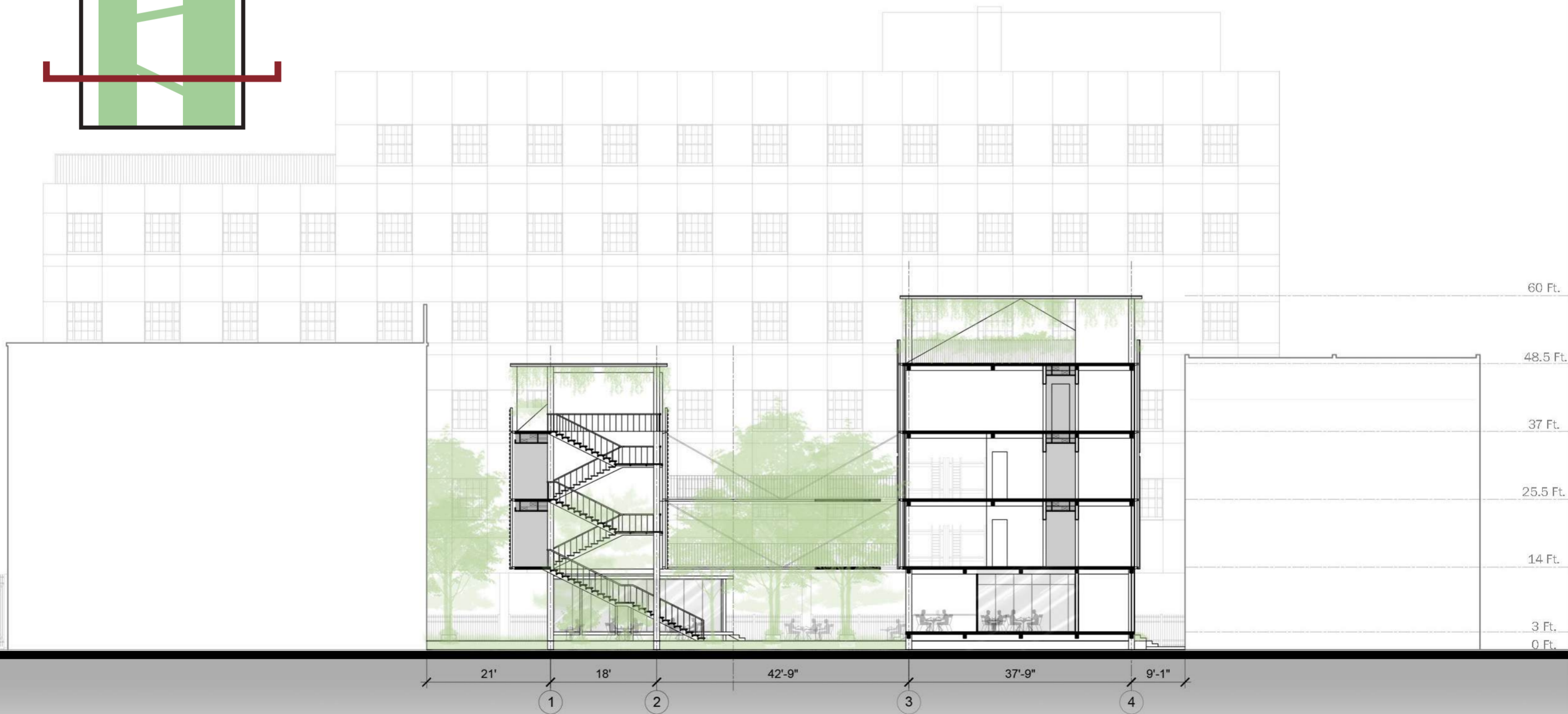
CIRCULATION



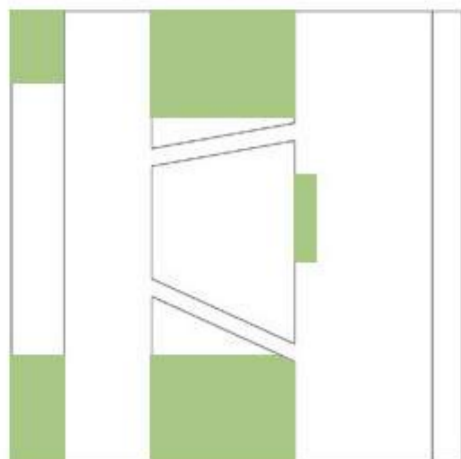
STRUCTURAL SYSTEM



HVAC/MECHANICAL SYSTEM



# GROUND FLOOR PLAN ADA ACCESSIBILITY



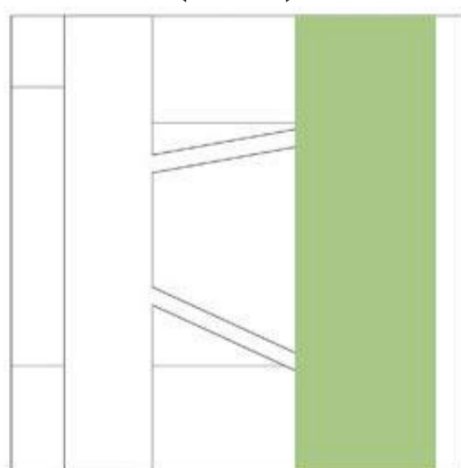
## LEGEND

- 1. MAIN LOBBY
- 2. RECEPTION
- 3. WAITING AREA
- 4. SMALL OFFICE
- 5. GUEST DINING
- 6. GUEST KITCHEN
- 7. CAFE/BAR
- 8. PUBLIC GARDEN
- 9. ELECTRICAL ROOM
- 11. REST ROOM

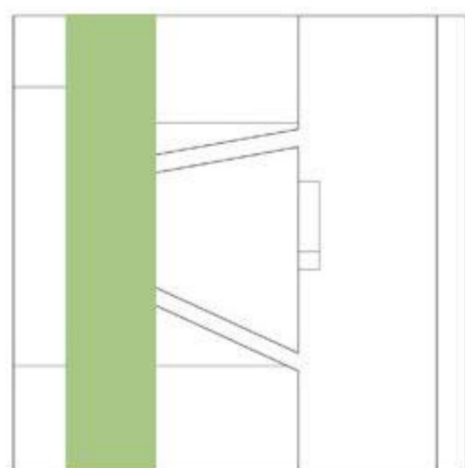


# TYPICAL FLOOR PLAN PROGRAM DISTRIBUTION

## SHARED ROOMS (4-6)

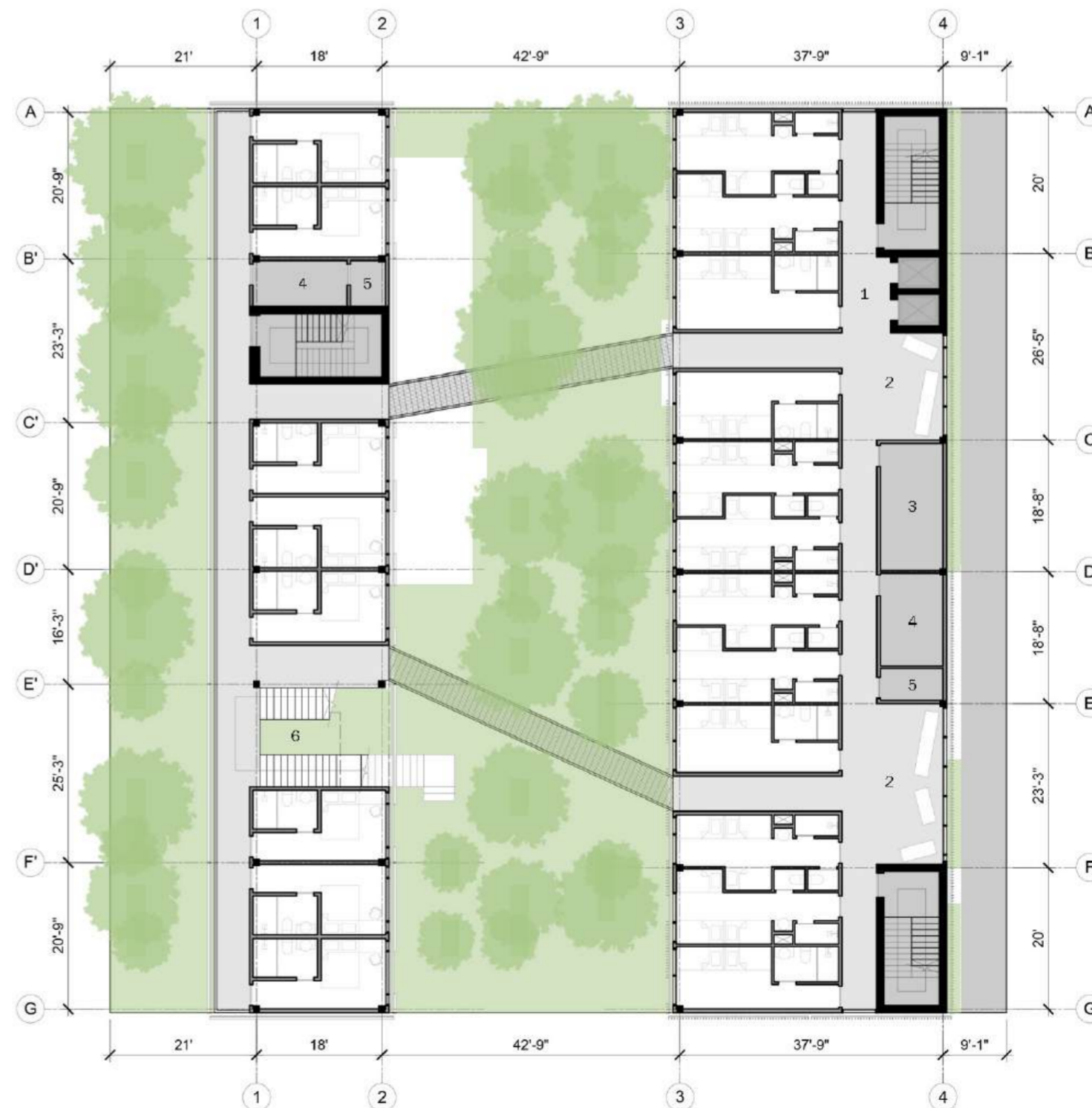


## PRIVATE ROOMS

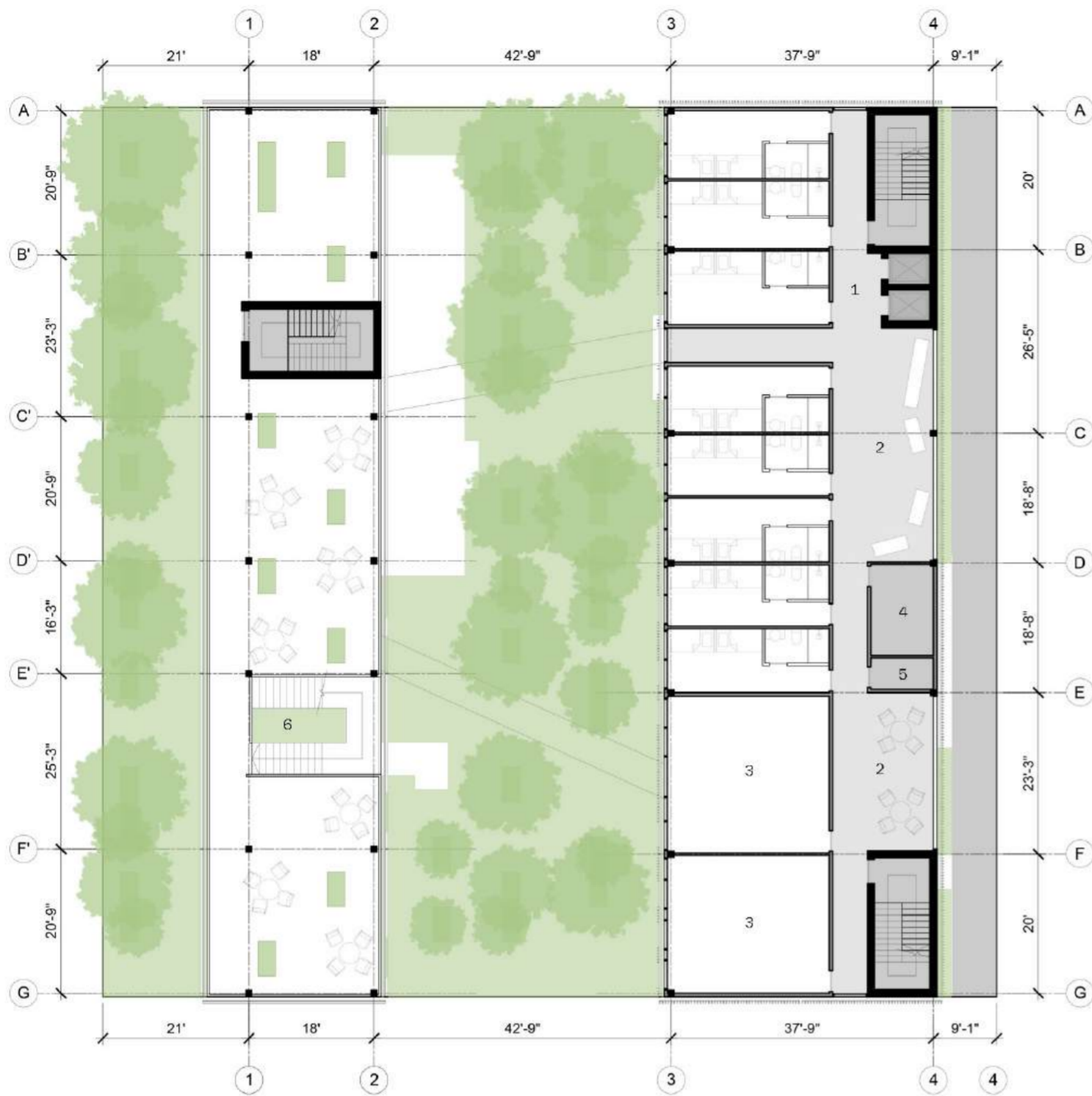


## LEGEND

- 1. MAIN HALLWAY
- 2. GATHERING SPACE
- 3. GUEST LAUNDRY
- 4. MECHANICAL ROOM
- 5. ELECTRICAL CLOSET
- 6. EXPERIENTIAL STAIRCASE



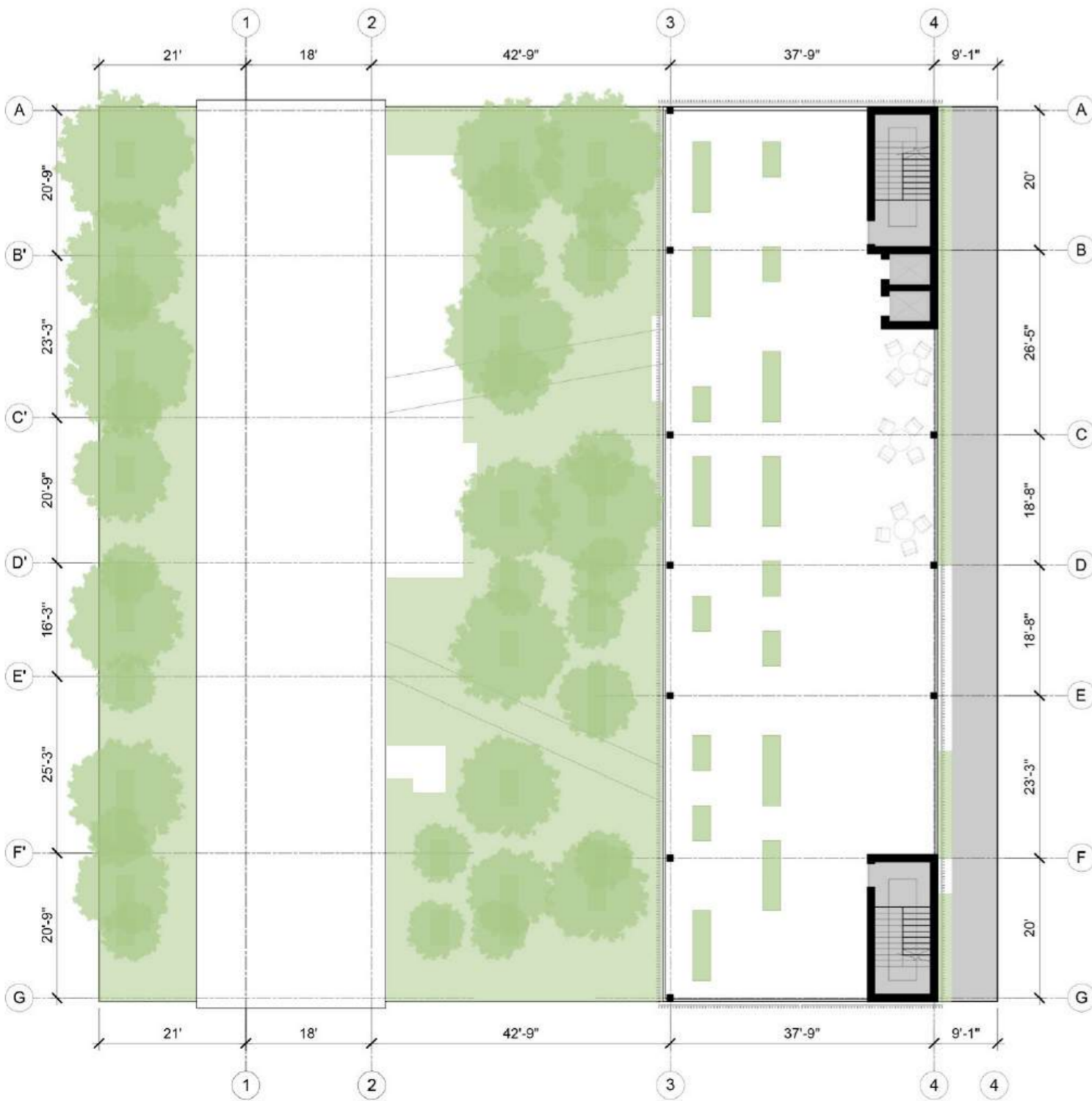
# 4<sup>TH</sup> FLOOR PLAN

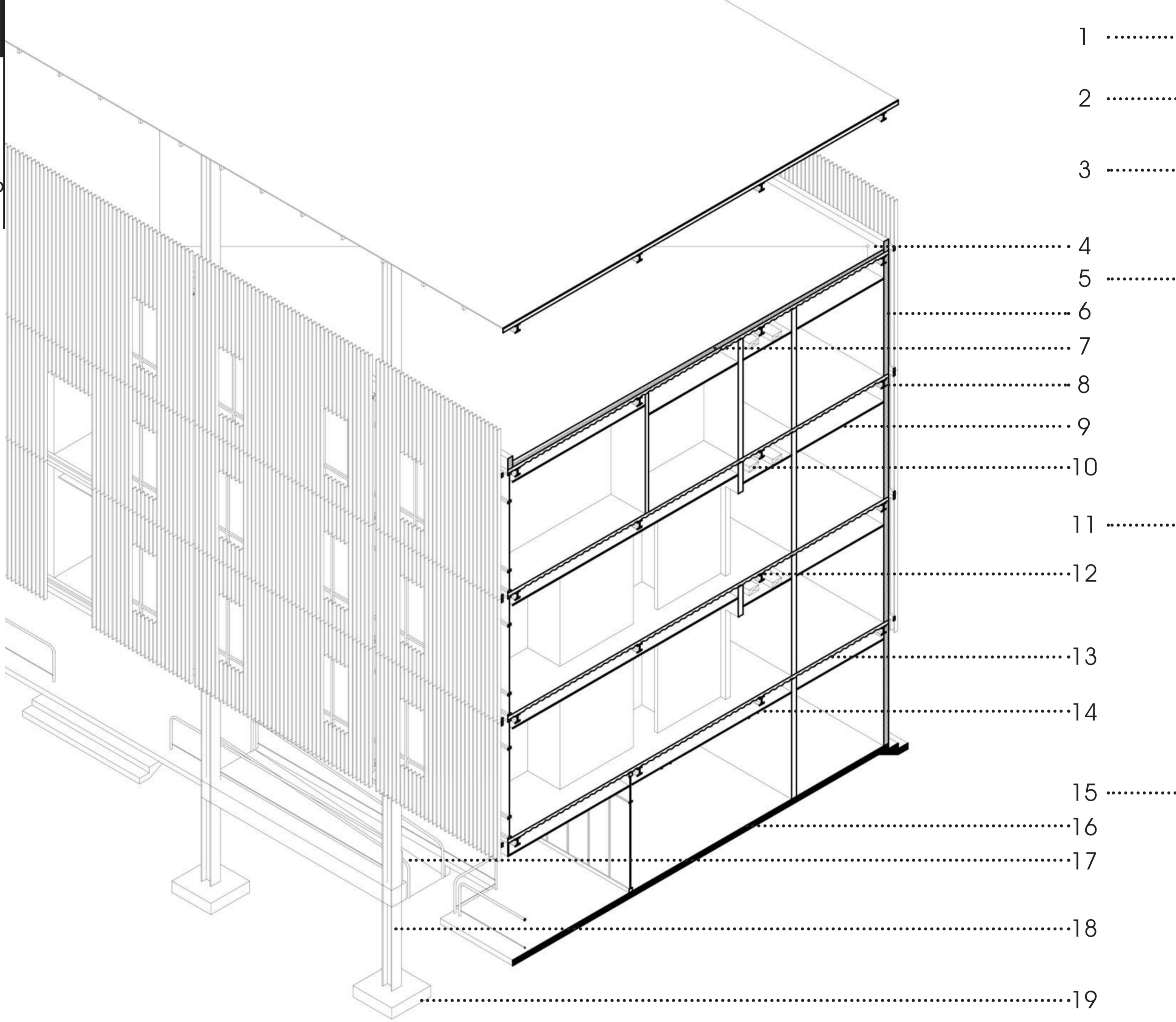


## LEGEND

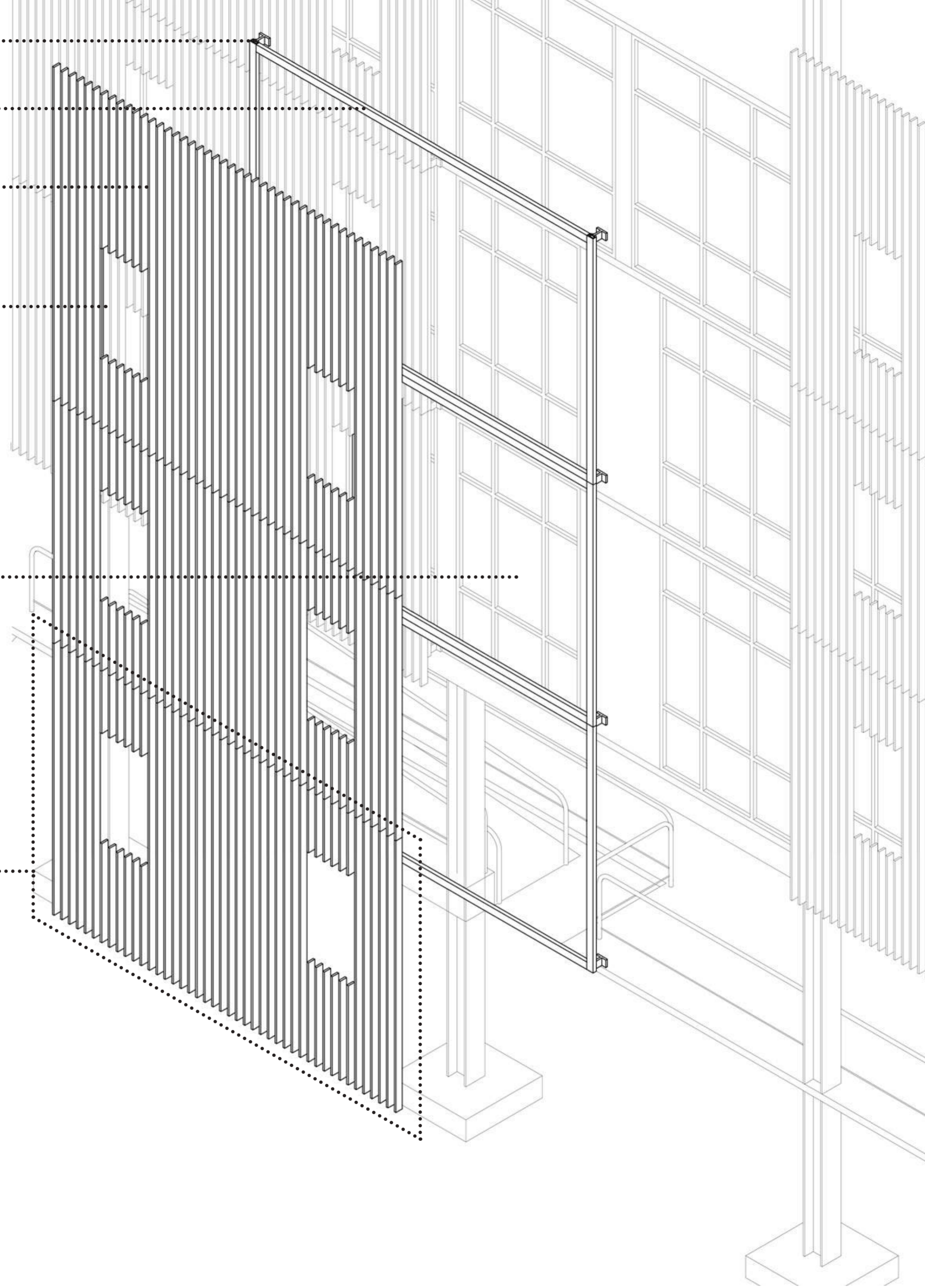
- 1. MAIN HALLWAY
- 2. GATHERING SPACE
- 3. ADMINISTRATION OFFICE
- 4. MECHANICAL ROOM
- 5. ELECTRICAL CLOSET
- 6. EXPERIENTIAL STAIRCASE

# 5<sup>TH</sup> FLOOR PLAN



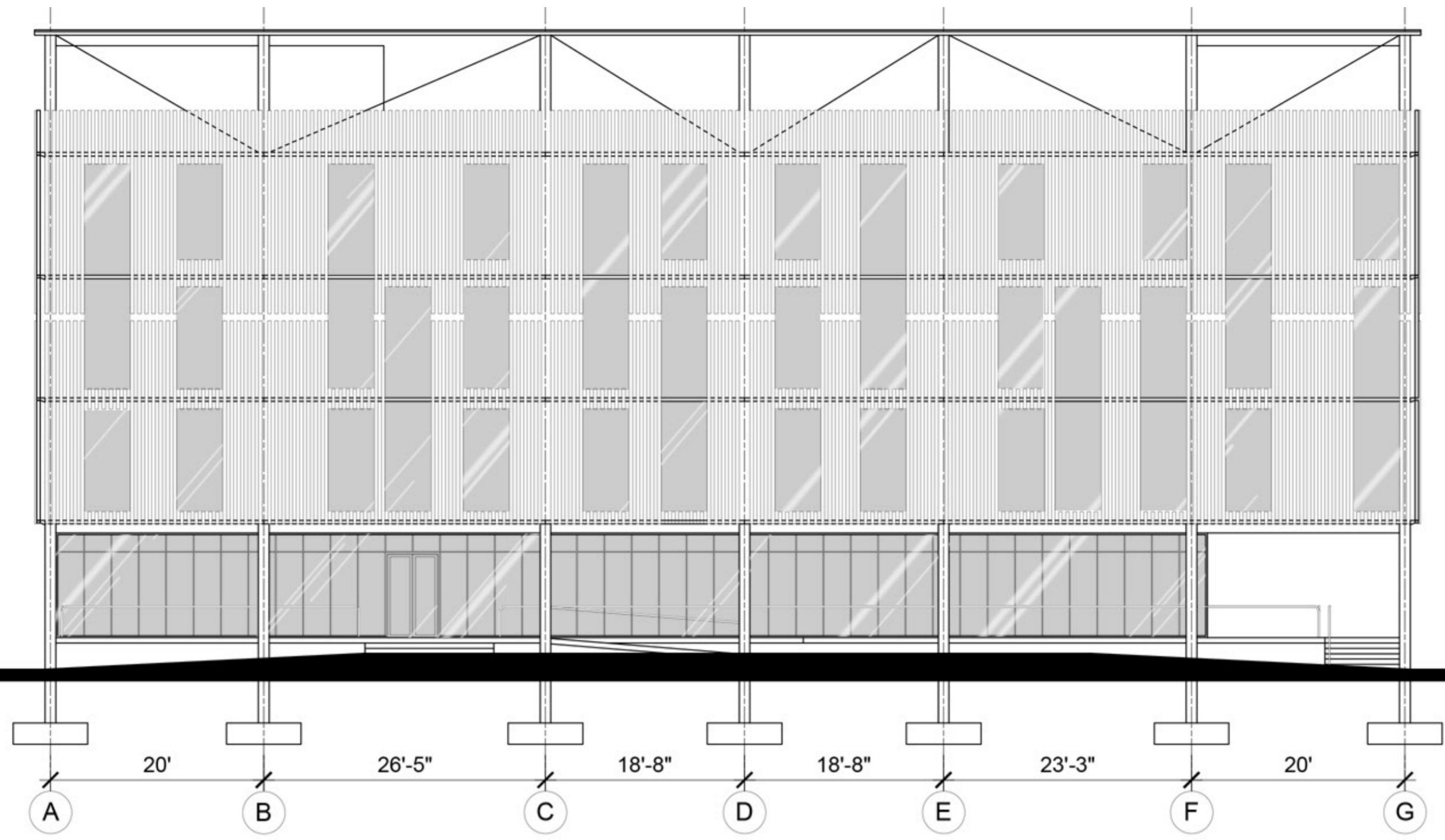


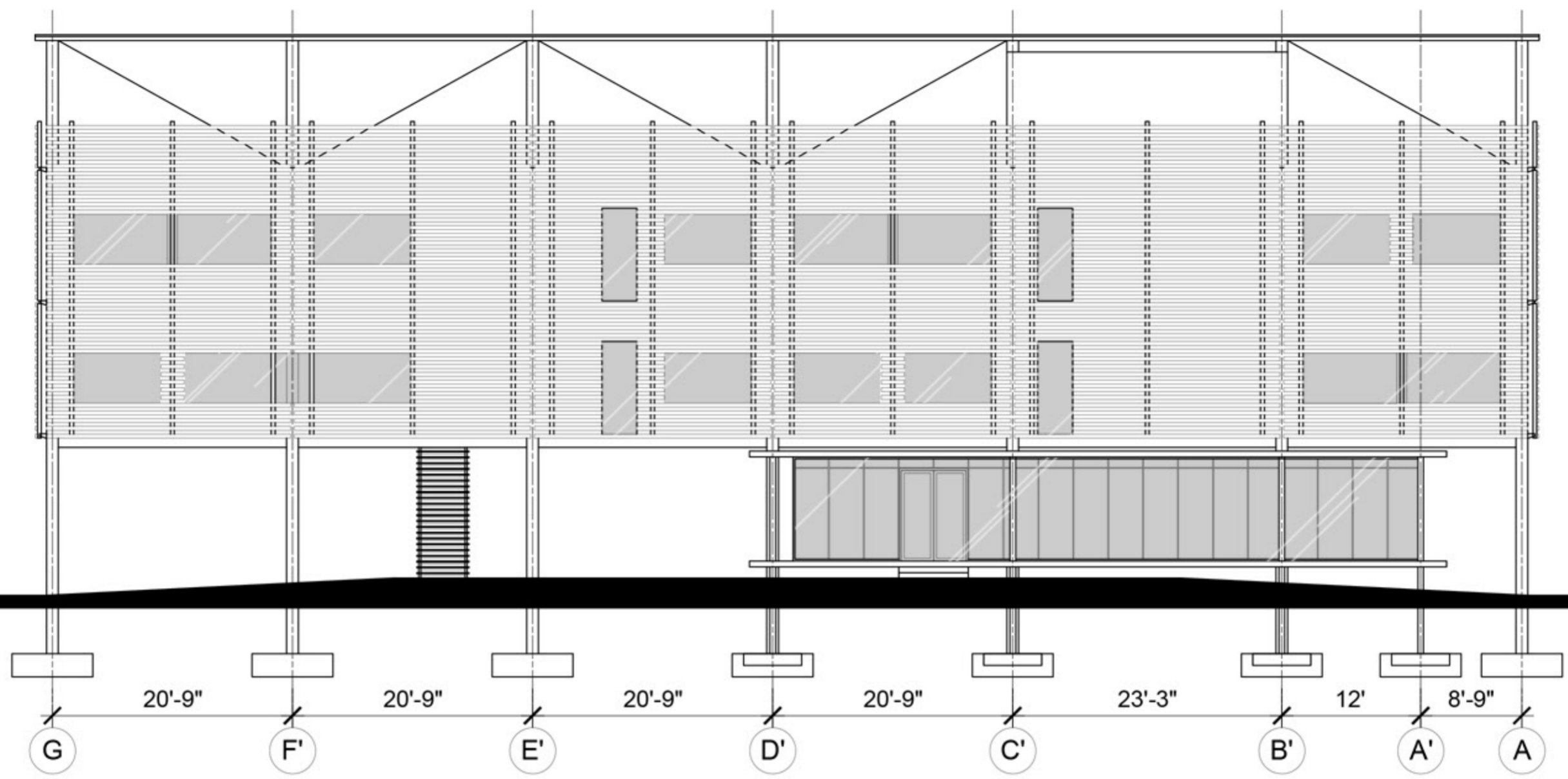
- 1 .....
- 2 .....
- 3 .....
- 4 .....
- 5 .....
- 6 .....
- 7 .....
- 8 .....
- 9 .....
- 10 .....
- 11 .....
- 12 .....
- 13 .....
- 14 .....
- 15 .....
- 16 .....
- 17 .....
- 18 .....
- 19 .....



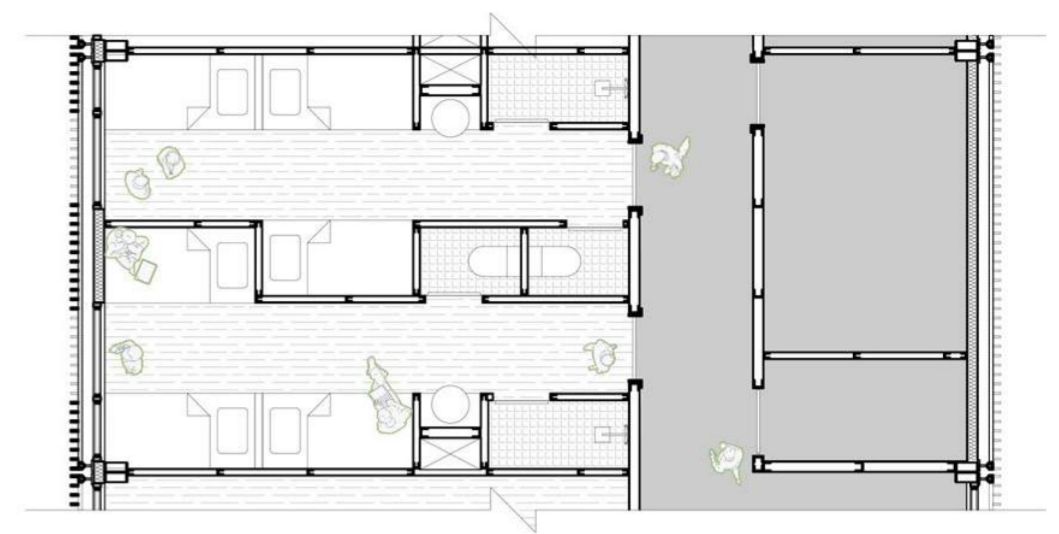
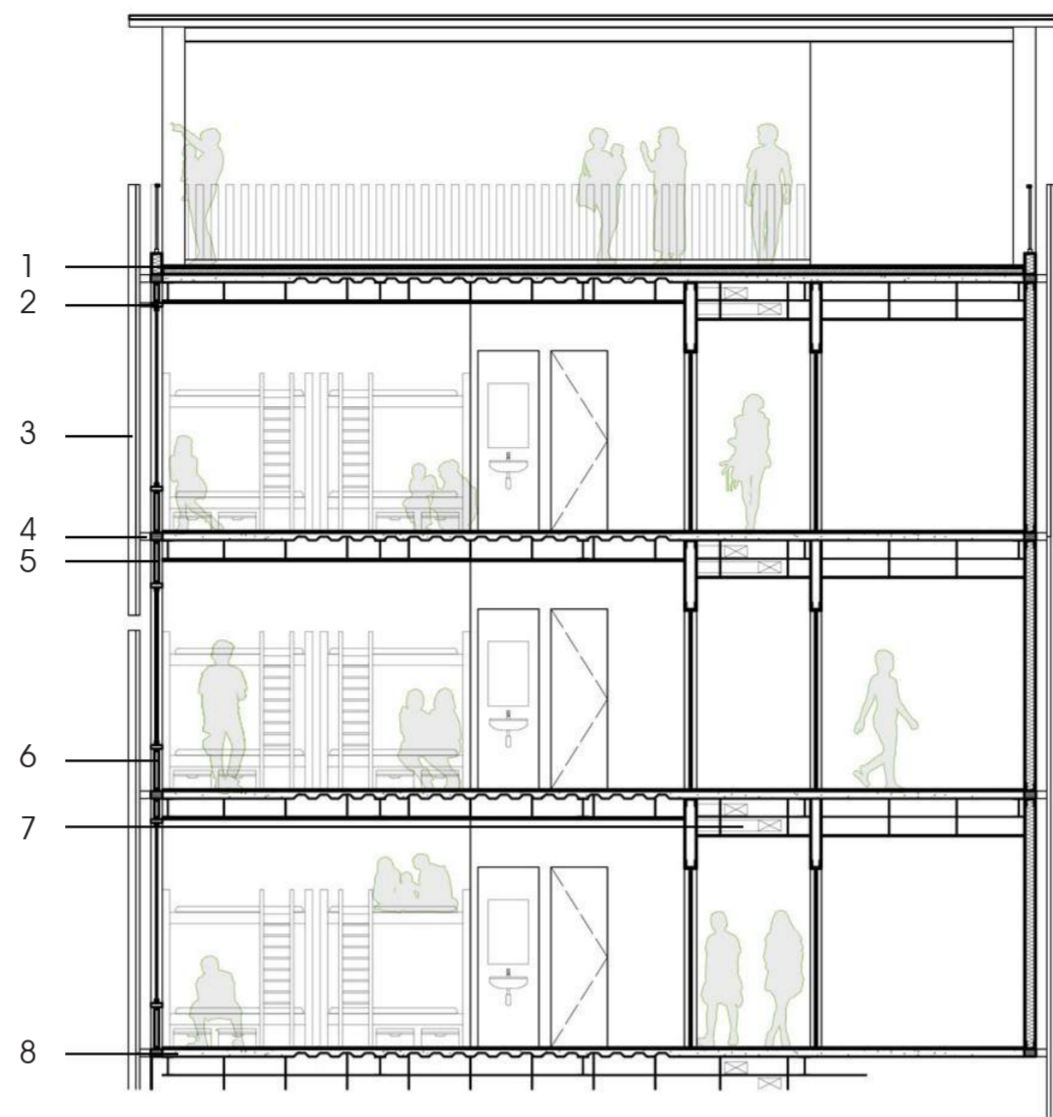
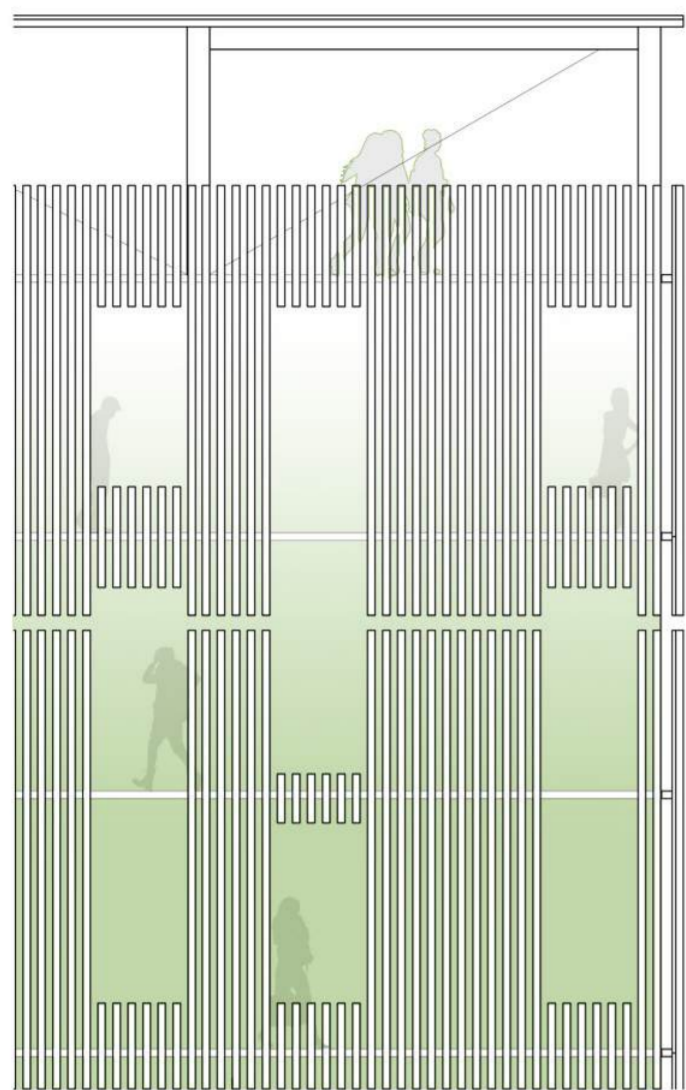
KEY

- 1. CONNECTORS
- 2. PRE-FABRICATED METAL FRAMES
- 3. RECYCLED METAL LOUVERS
- 4. ROOF DRAINAGE
- 5. WINDOW OPENING (ALIGNED WITH GLASS MULLION)
- 6. INSULATED EXTERIOR WALL
- 7. ROOF INSULATION
- 8. GIRDER (W10x30)
- 9. GYPSUM DROP CEILING
- 10. DUCTWORK
- 11. GLASS CURTAIN WALL
- 12. SUPPORTING BEAM
- 13. CONCRETE FLOOR SLAB
- 14. ACOUSTICAL DROP CEILING
- 15. FACADE PANELS
- 16. CONCRETE FLOOR FINISH
- 17. ADA 1/12 RAMP
- 18. COLUMN (W12x30)
- 19. CONCRETE FOOTING





# ROOMS DETAILS SECTION AND PLAN



## KEY

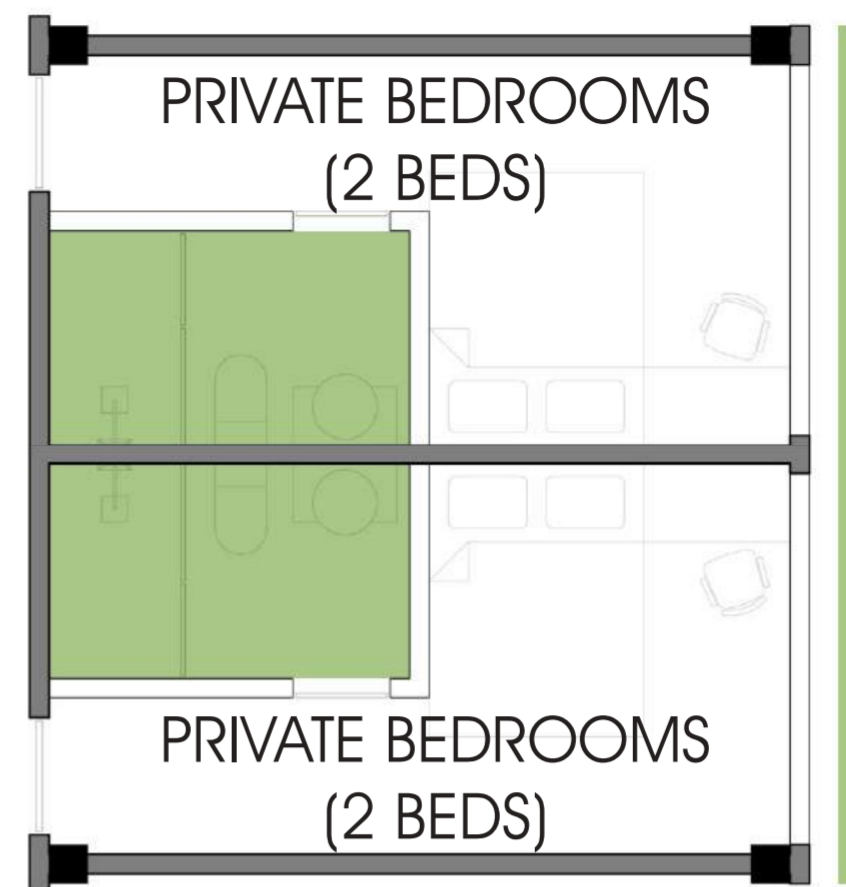
- 1. ROOF INSULATION
- 2. GLASS FACADE MULLION
- 3. RECYCLED METAL LOUVERS
- 4. CONNECTORS
- 5. GYPSUM DROP CEILING
- 6. INSULATED GLASS
- 7. DUCTWORKS
- 8. CONCRETE SLAB



ROOMS TYPE LAYOUTS

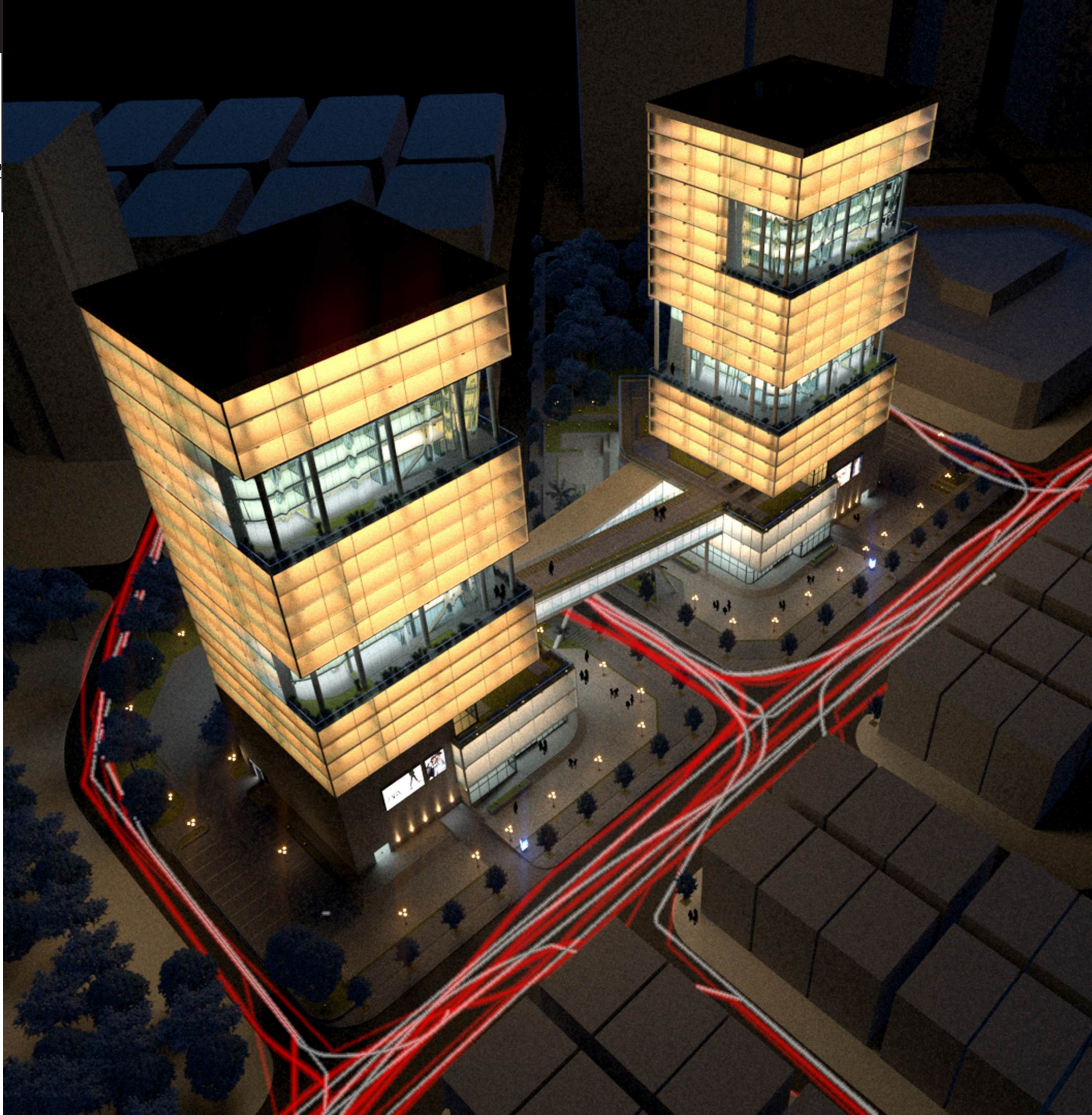


BUILDING A



BUILDING B



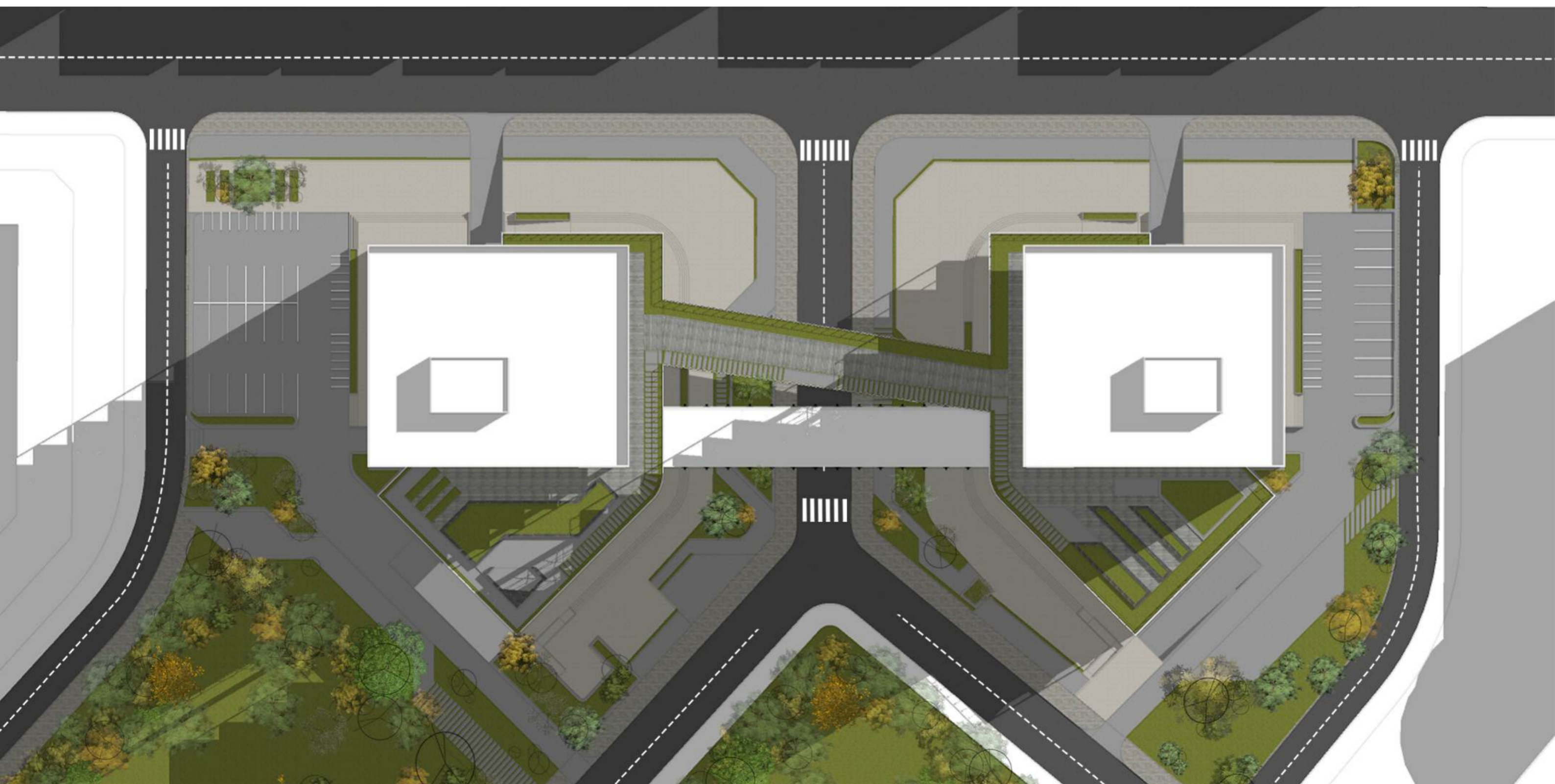
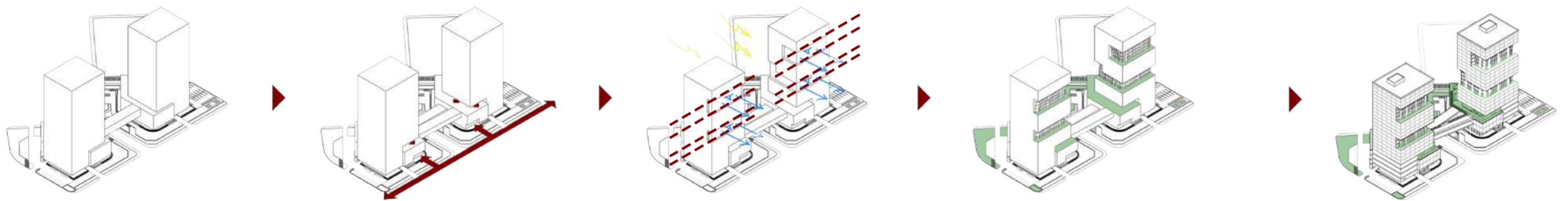


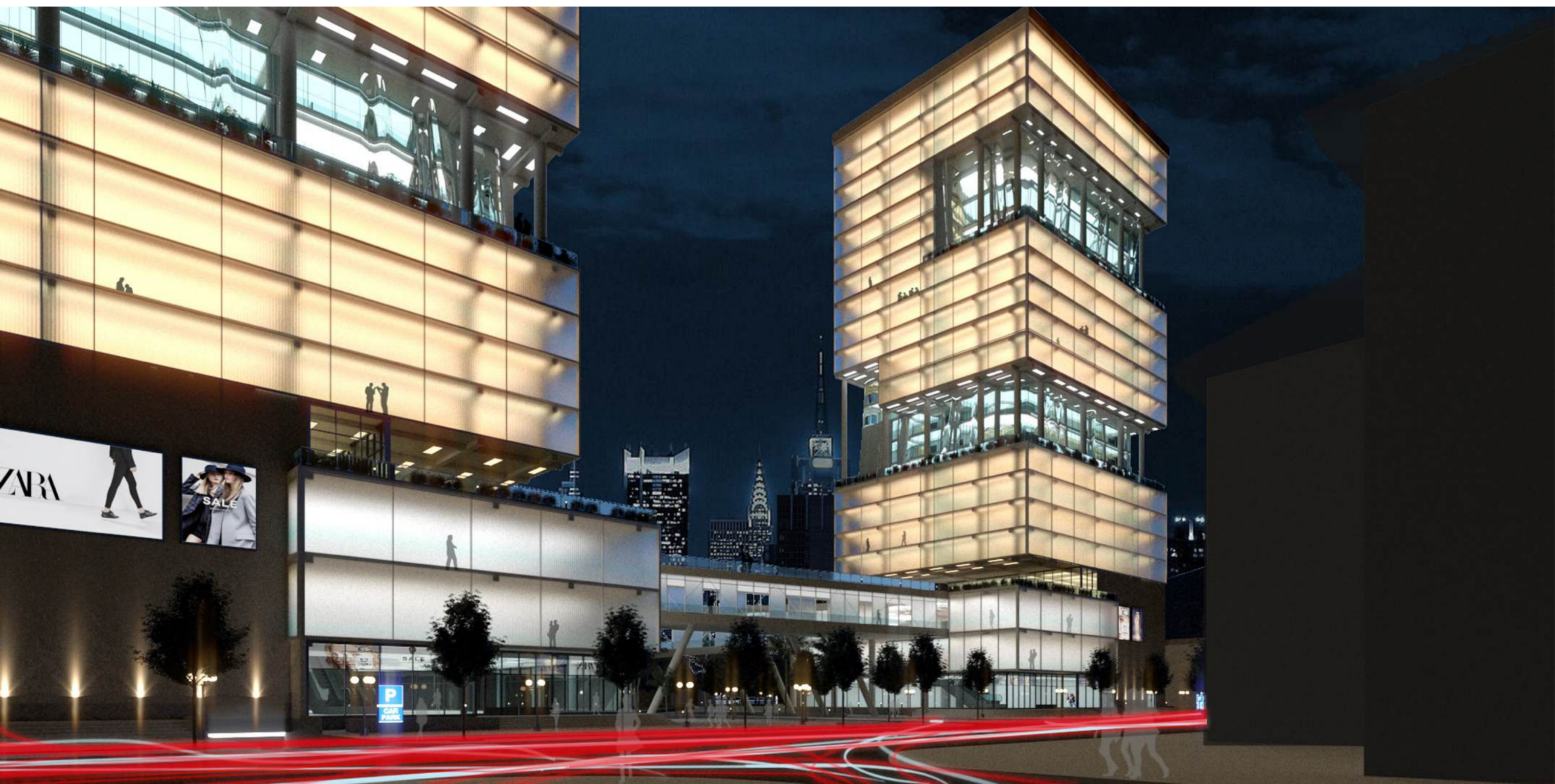
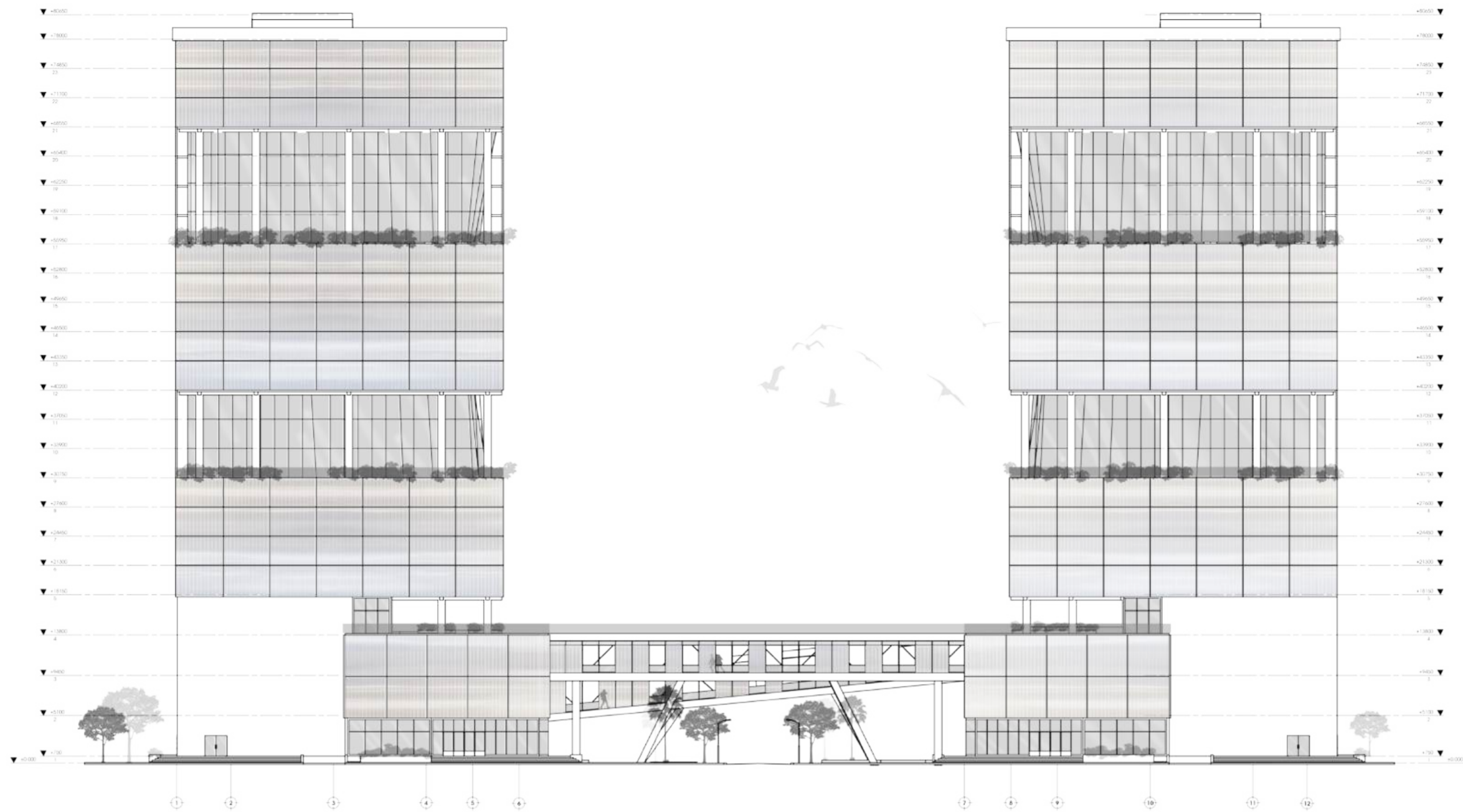
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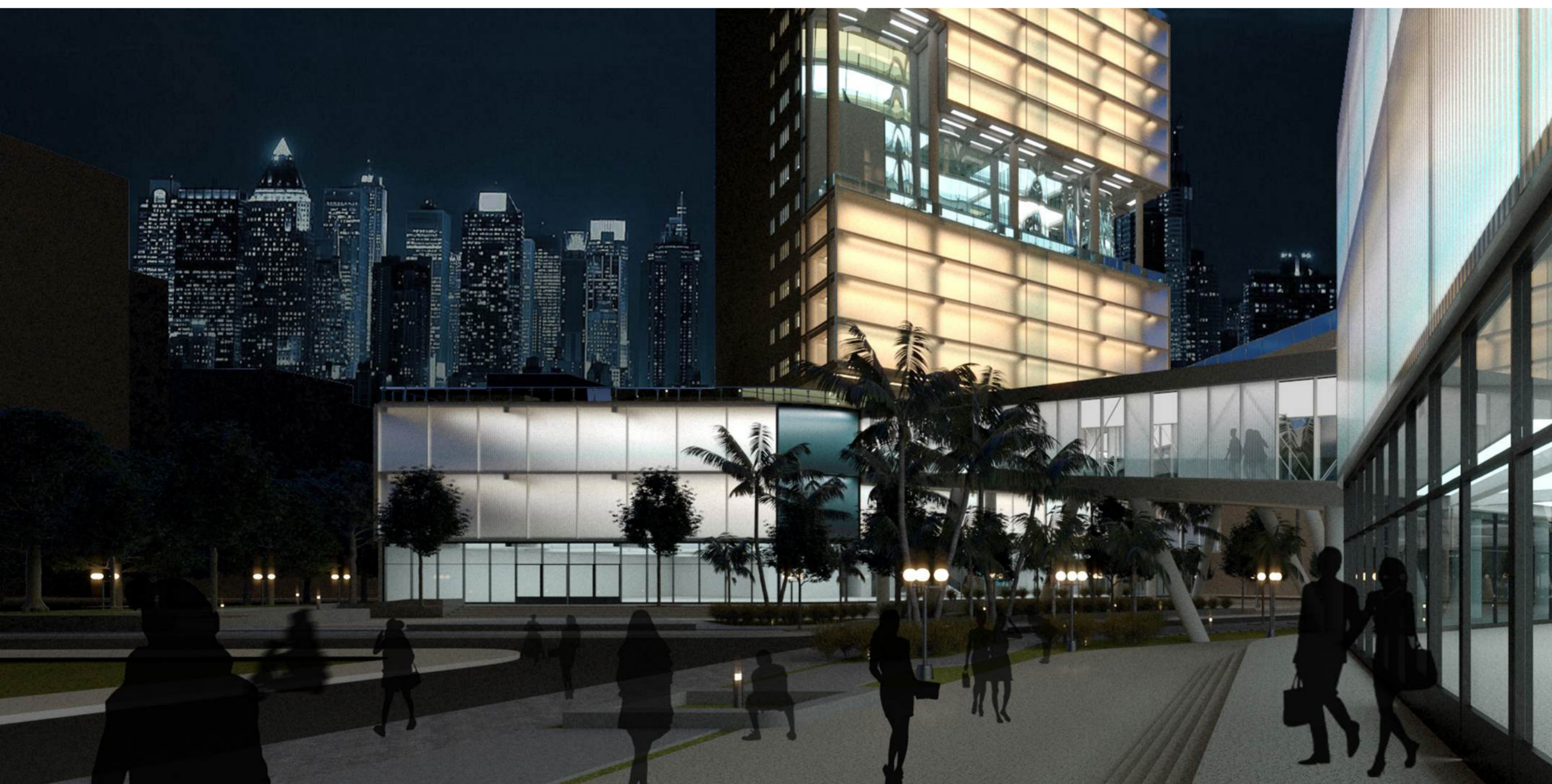
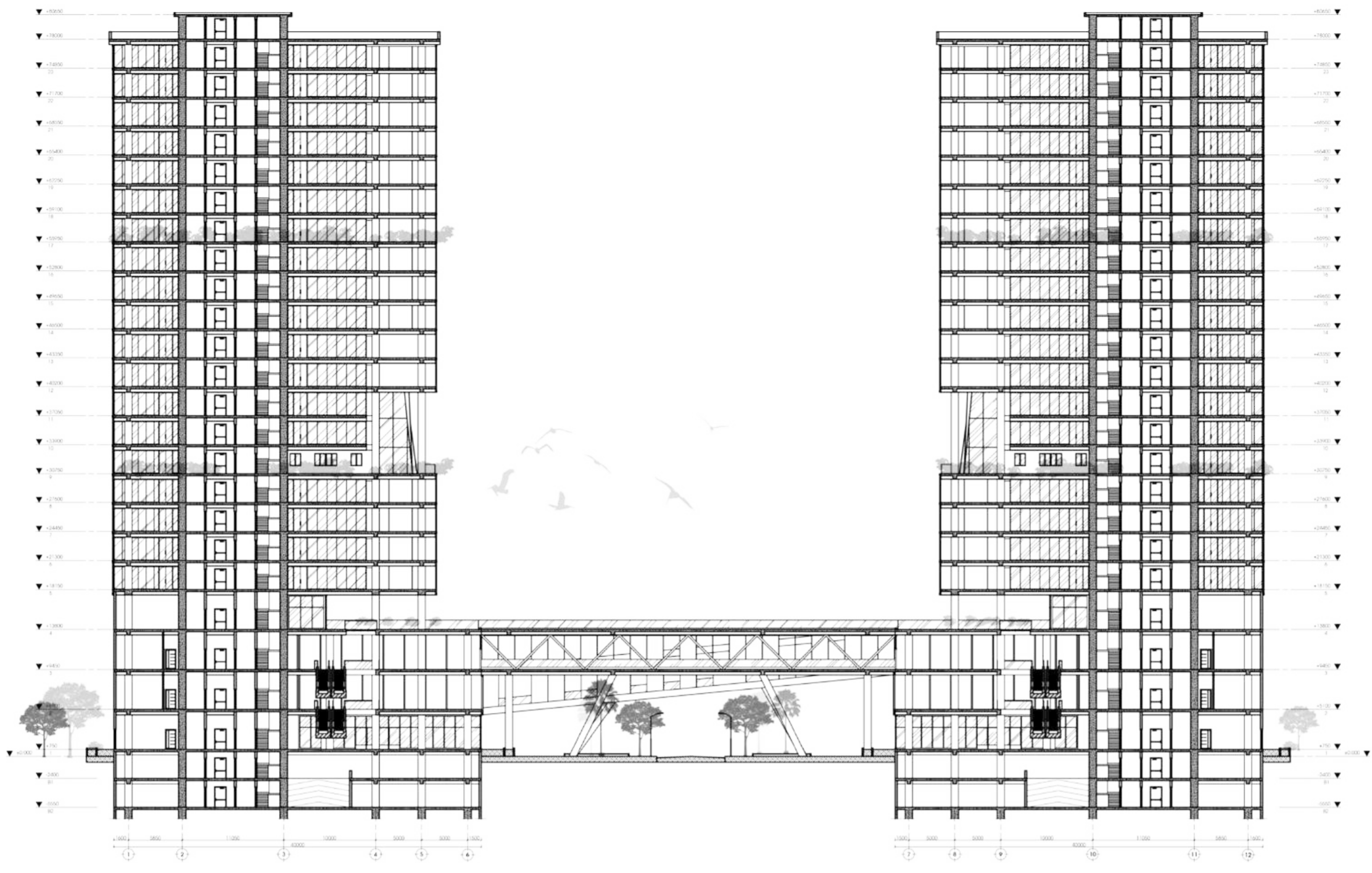
HANOI ARCHITECTURAL UNIVERSITY 2015-2020 GRADUATION THESIS

PROFESSOR: NGUYEN DINH PHONG

LOCATION: B1, B2 TRAN KIM XUYEN STREET, CAU GIAY DISTRICT, HANOI, VIETNAM.  
PROPERTY SIZE: 11.800 m<sup>2</sup>  
PROGRAM: MIXED-USE COMMERCIAL AND OFFICE  
BUILDING DENSITY: 40%  
MAXIMUM HEIGHT: 23 STORIES

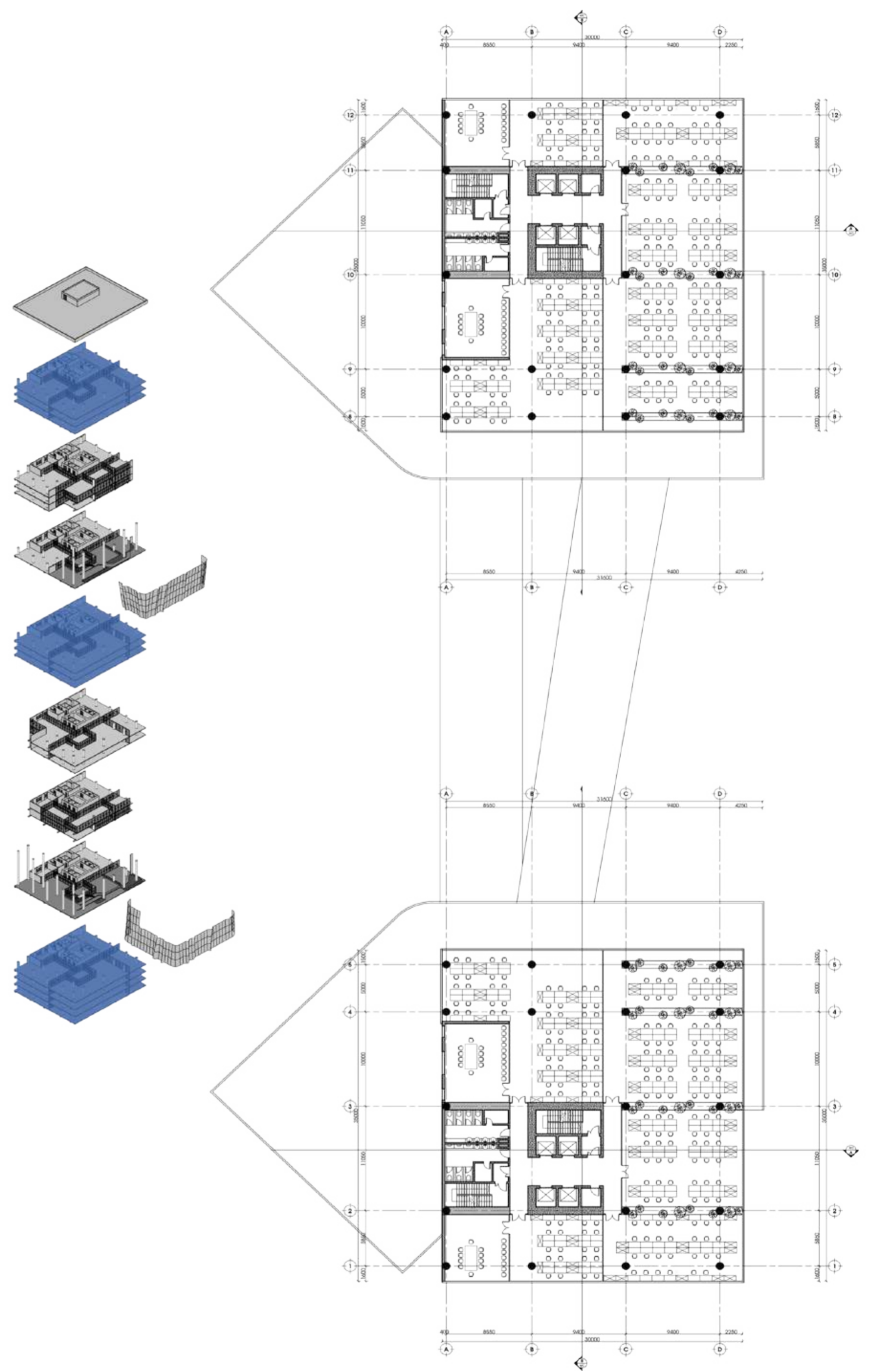
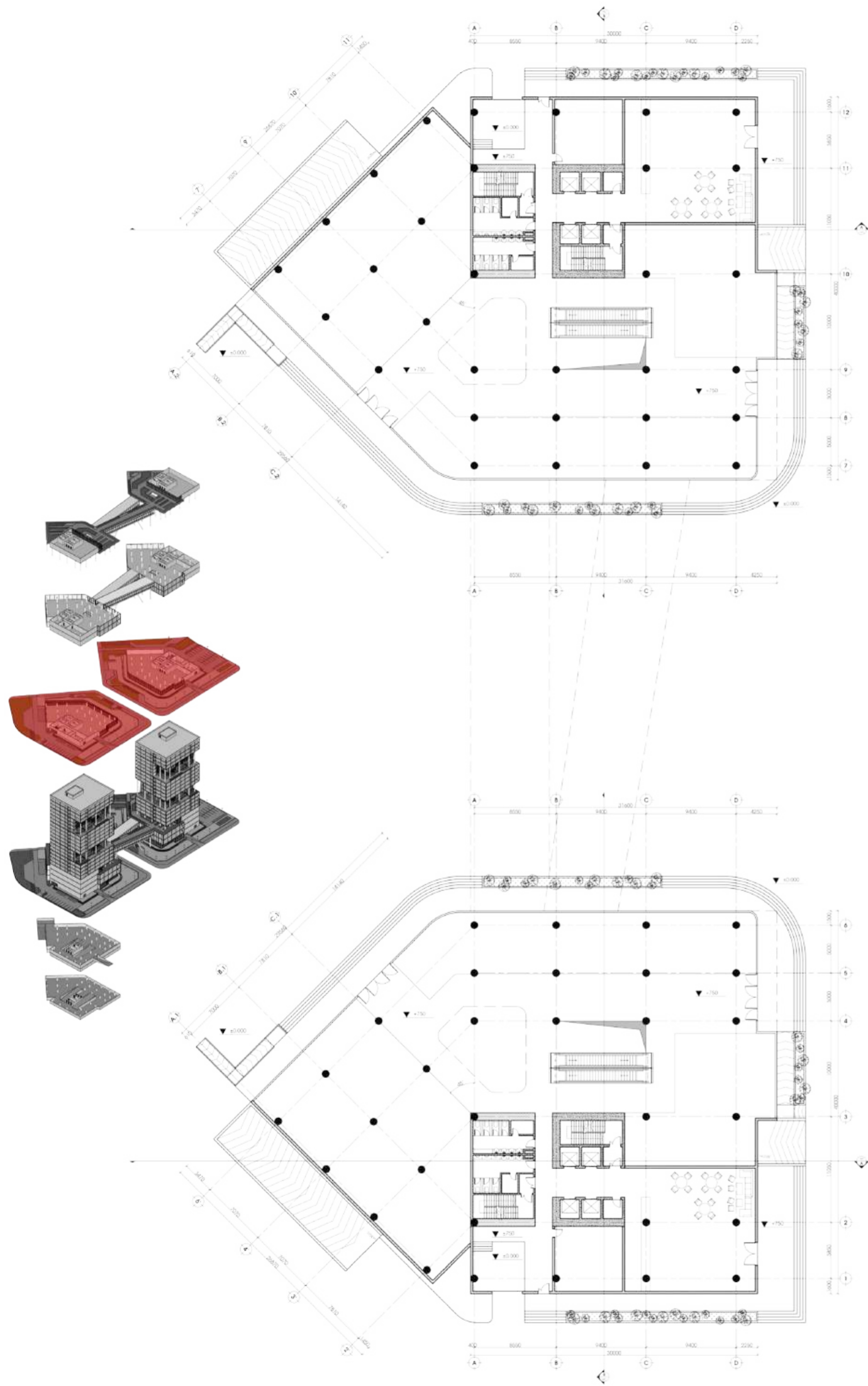






# COMMERCIAL GROUND FLOOR PLAN

# TYPICAL OFFICES FLOOR PLAN



# INTERIOR DESIGN STUDIO

P  
A  
G  
E

27

HANOI ARCHITECTURAL UNIVERSITY



LOCATION:

YEN HOA SUNSHINE  
APARTMENT COMPLEX,  
9 VU PHAM HAM STREET,  
HANOI, VIETNAM.

PROPERTY SIZE:

280 m<sup>2</sup>

PROGRAM: SINGLE FAMILY RESIDENTIAL

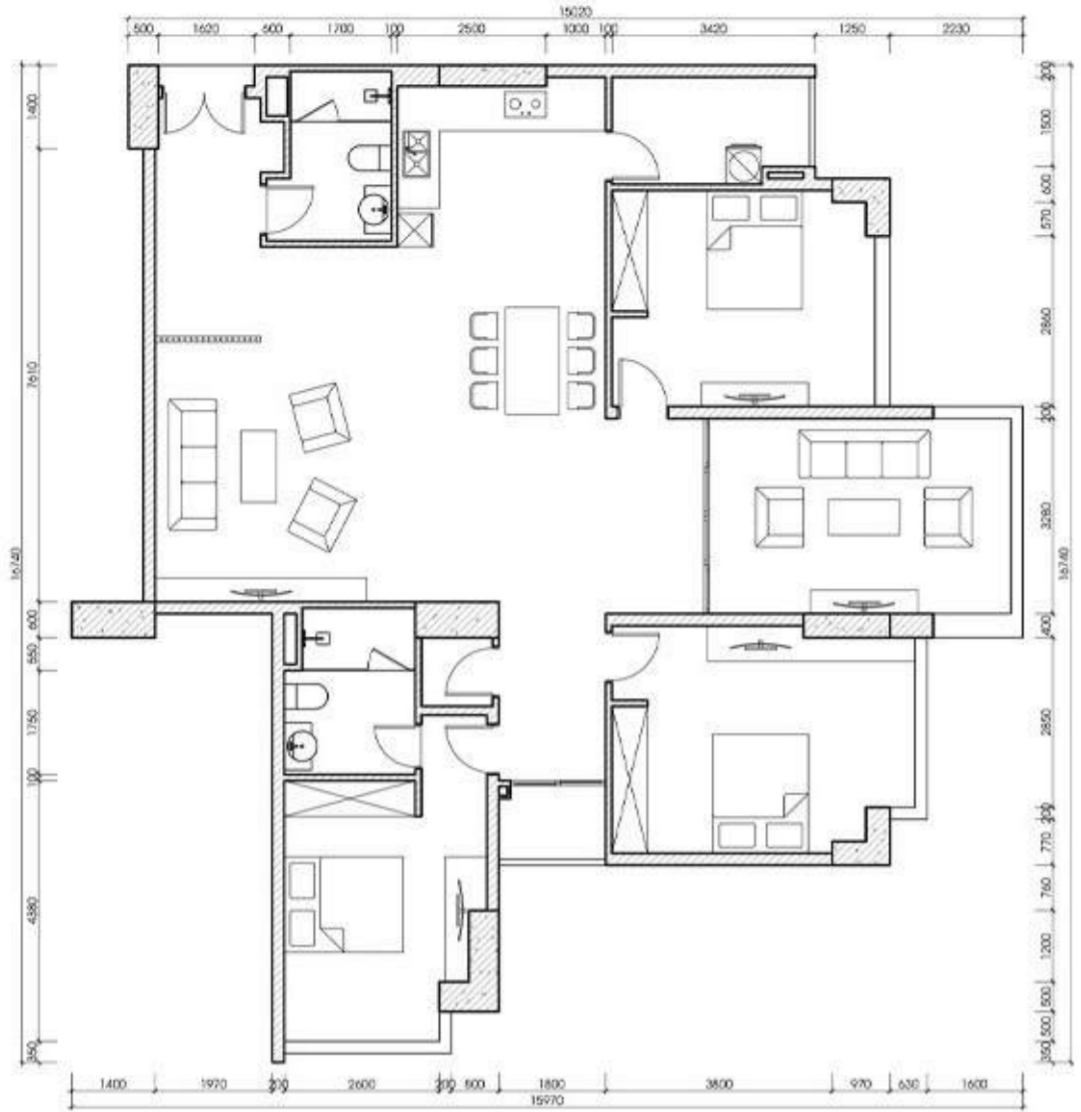
REQUIREMENTS: 3 BEDROOMS (1 MASTER)  
INCLUDE 1 HOME OFFICE PRIOTIZE LARGER  
SPACE FOR FAMILY GATHERING.

RENDERING PROGRAM:

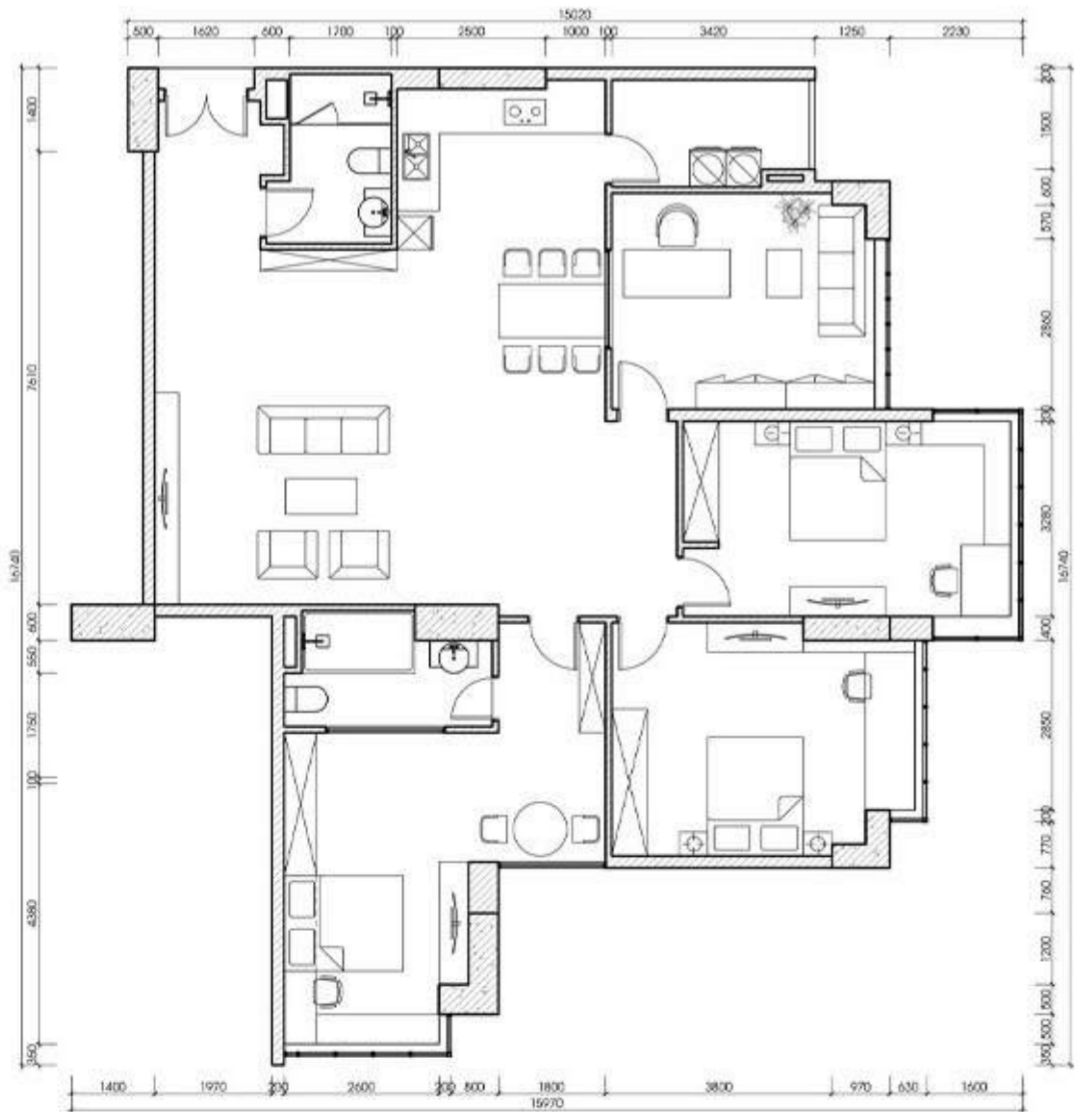
V-RAY

3D MODELING PROGRAM:

SKETCH-UP



ORIGINAL FLOOR PLAN



RENOVATED FLOOR PLAN





# STUDIO B

INTERIOR DESIGNS AND RENDERINGS  
MENTOR: NGUYEN TUAN HUY  
POSITION: INTERN



# PROJECT T230

LOCATION: LANG LUA VAN PHUC,  
HA DONG, HANOI, VIETNAM.  
PROPERTY SIZE: 230 m<sup>2</sup>  
PROGRAM: SINGLE FAMILY RESIDENTIAL

RENDERING PROGRAM: V-RAY  
3D MODELING PROGRAM: SKETCH-UP





# STUDIO B

INTERIOR DESIGNS AND RENDERINGS  
MENTOR: NGUYEN TUAN HUY  
POSITION: INTERN

## PROJECT HB250

LOCATION: 284 TRAN HUNG DAO STREET,  
HOA BINH, VIETNAM.  
PROPERTY SIZE: 250 m<sup>2</sup>  
PROGRAM: HOMESTAY BUSINESS  
RESPONSIBILITY: 3D RENDERER

RENDERING PROGRAM: V-RAY  
3D MODELING PROGRAM: SKETCH-UP









# THIEN VAN INTERIOR

INTERIOR DESIGNS AND RENDERINGS  
POSITION: COLABORATOR



## PROJECT Q90

PROPERTY SIZE: 90 m<sup>2</sup>  
PROGRAM: SINGLE FAMILY RESIDENTIAL  
RENDERING PROGRAM: V-RAY  
3D MODELING PROGRAM: SKETCH-UP









# HACID

HANOI CONSTRUCTION  
CONSULTANT &  
URBAN DEVELOPMENT  
INVESTMENT, .JSC

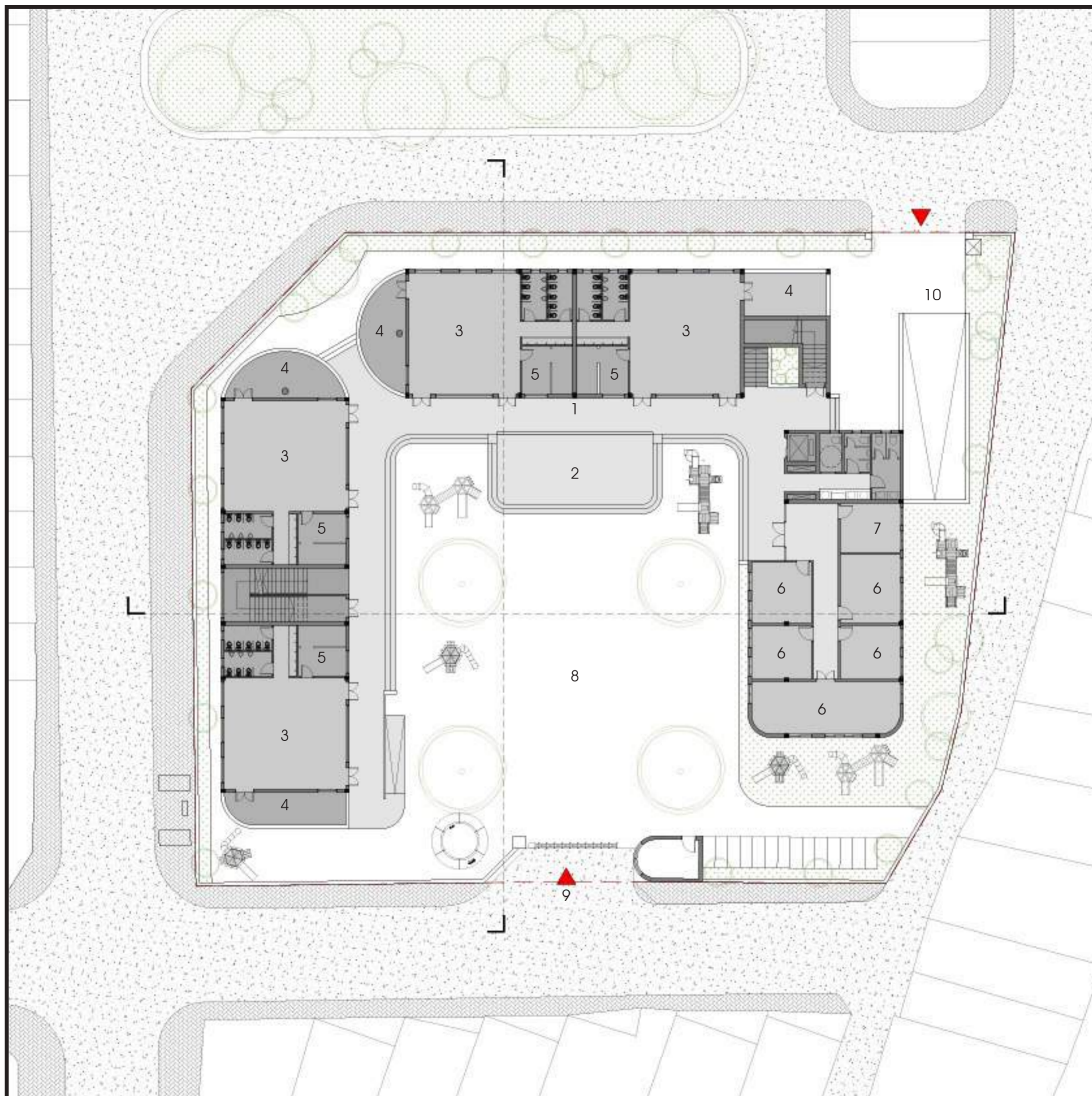
POSITION: JUNIOR ARCHITECT



# SON CA KINDERGARTEN

INVESTOR: PEOPLE'S COMMITTEE  
OF CAU GIAY DISTRICT  
LOCATION: 48 NGUYEN CHANH,  
CAU GIAY, HANOI, VIETNAM  
PROPERTY SIZE: 2.034,1 m<sup>2</sup>  
BUILDING DENSITY: 40%

PROGRAM: KINDER-GARTEN  
RENDERING PROGRAM: ENSCAPE  
3D MODELING PROGRAM: SKETCH-UP

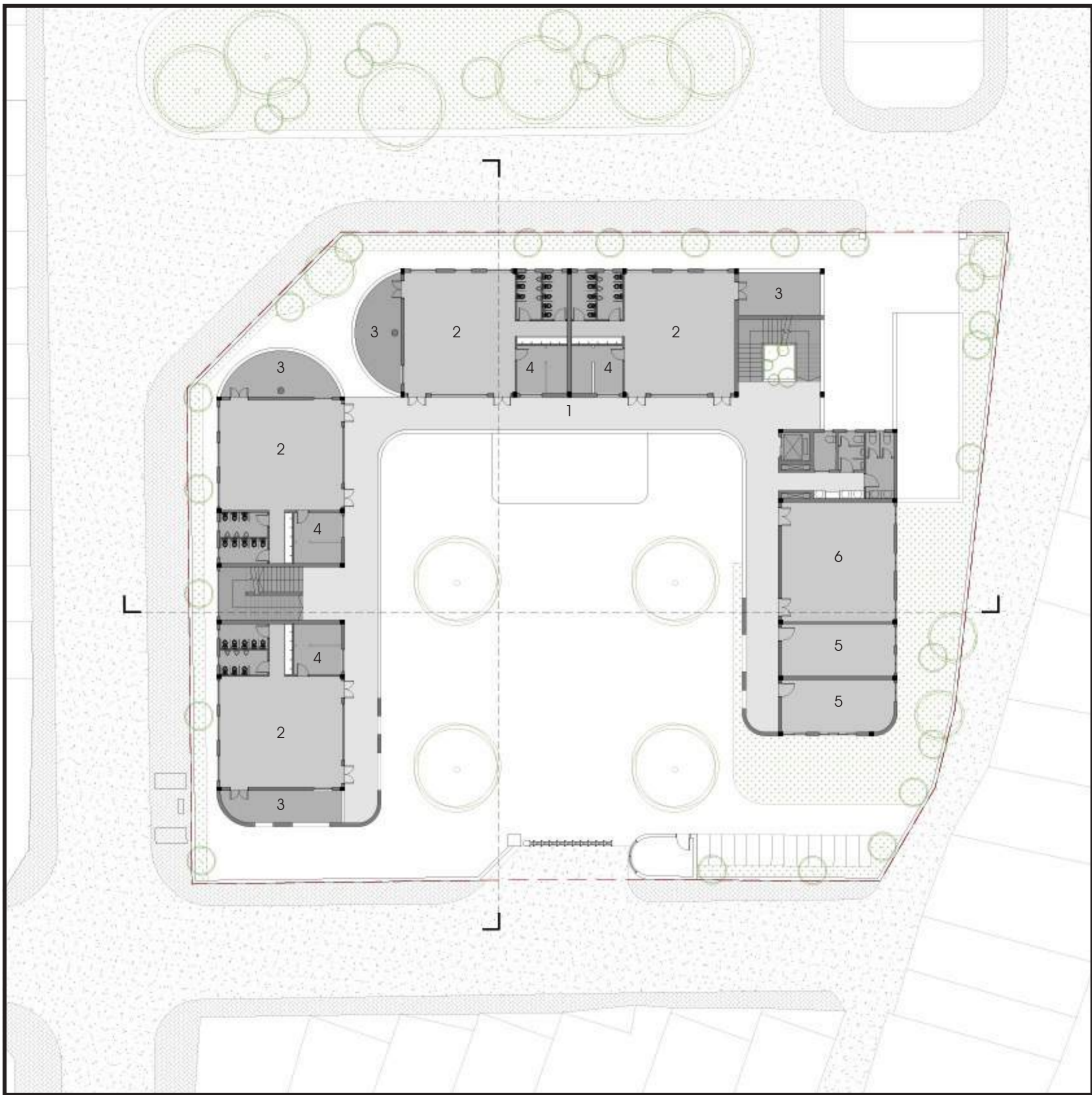


FIRST FLOOR PLAN

LEGEND

- 1. OUTSIDE CORRIDOR
- 2. OUTDOOR'S STAGE
- 3. NURSERY ROOM
- 4. PLAYROOM
- 5. STAFF'S ROOM AND STORAGE

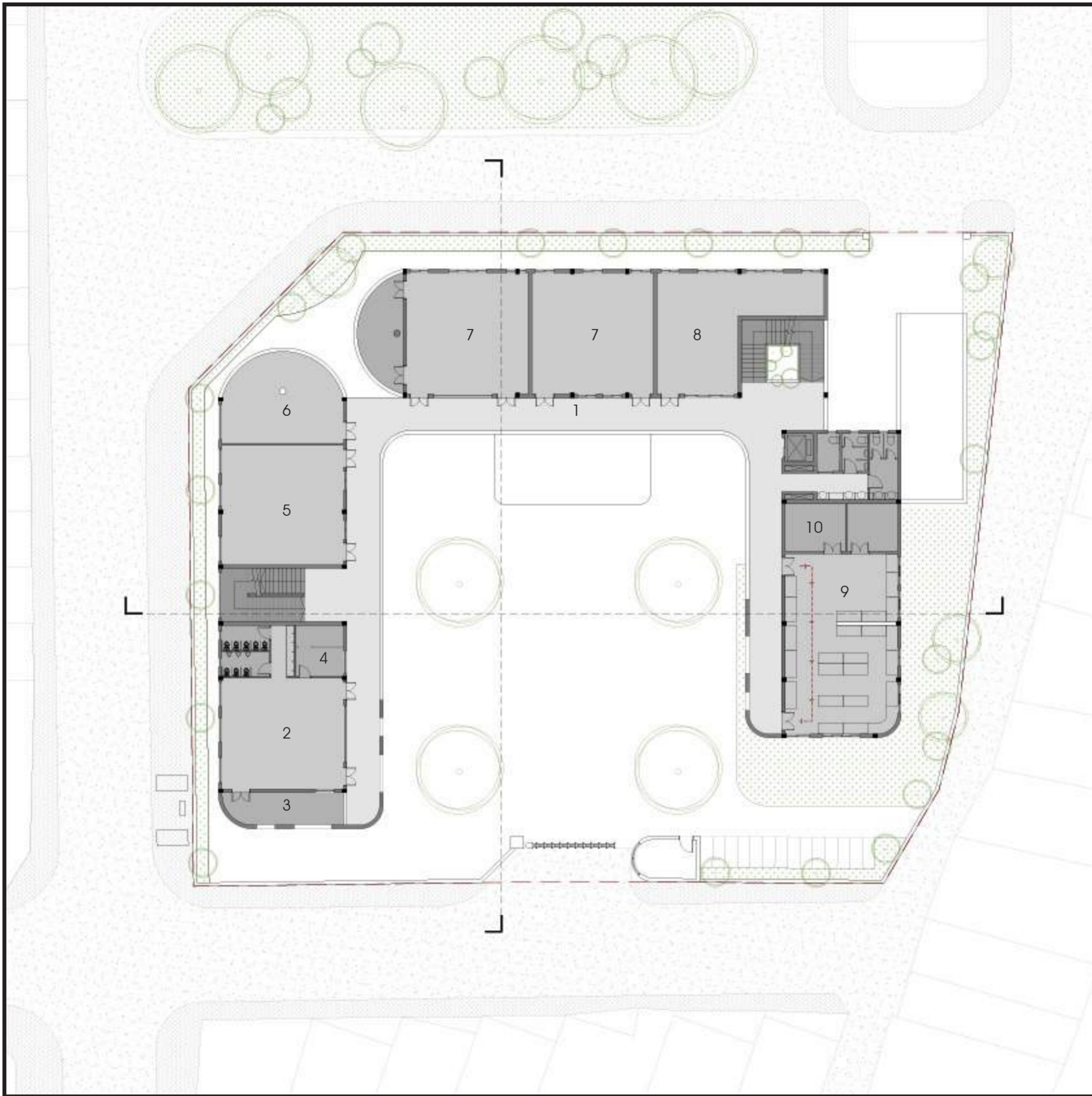
- 6. OFFICE
- 7. INFIRMARY
- 8. PLAYGROUND
- 9. MAIN ENTRANCE
- 10. GARAGE ENTRANCE



SECOND FLOOR PLAN

LEGEND

- |                              |                             |
|------------------------------|-----------------------------|
| 1. OUTSIDE CORRIDOR          | 4. STAFF'S ROOM AND STORAGE |
| 2. NURSERY ROOM              | 5. HEADMASTER OFFICE        |
| 3. CLASS'S PRIVATE PLAY AREA | 6. MEETING ROOM             |



THIRD FLOOR PLAN

LEGEND

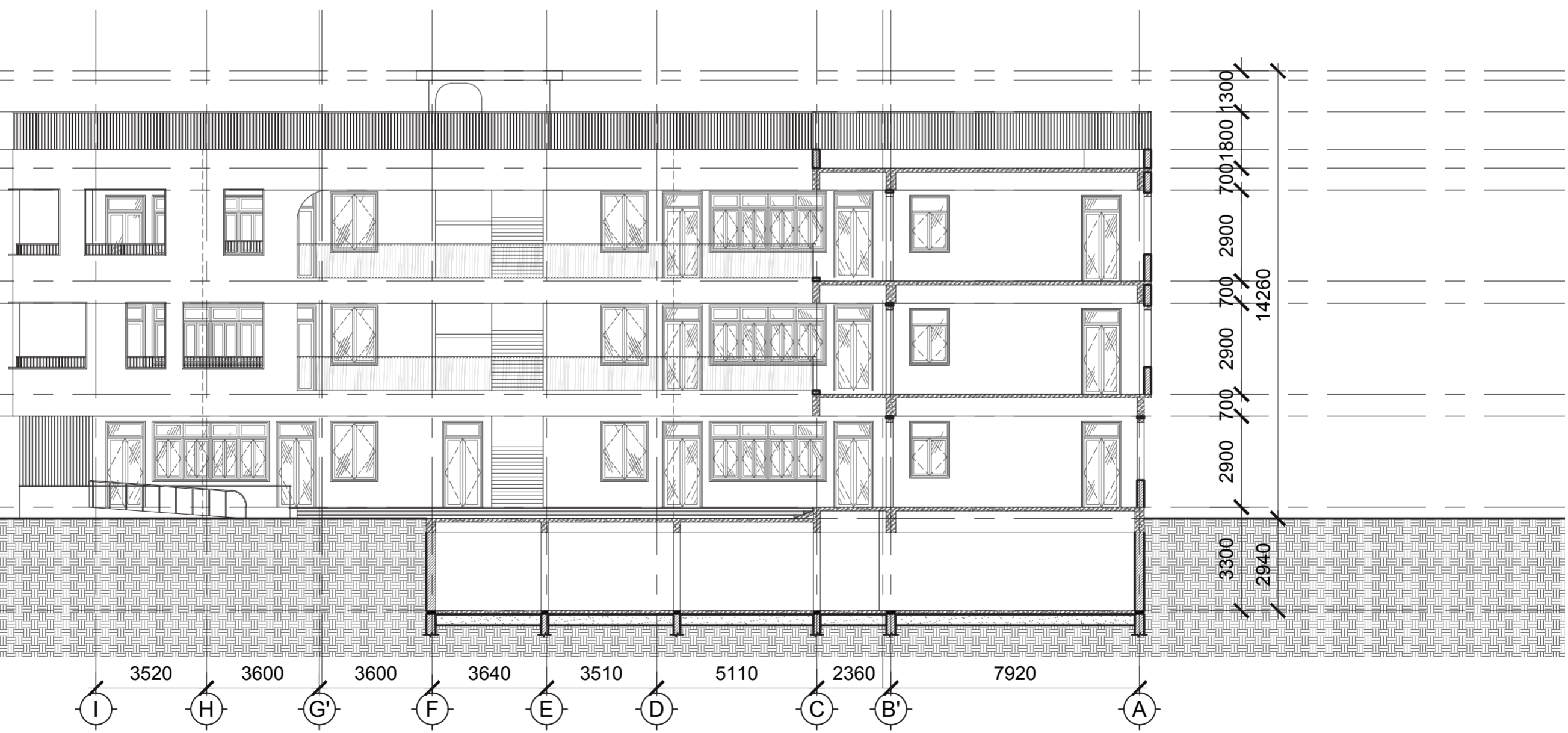
- |                              |                        |
|------------------------------|------------------------|
| 1. OUTSIDE CORRIDOR          | 6. MULTI-MEDIA ROOM    |
| 2. NURSERY ROOM              | 7. MULTI-FUNCTION ROOM |
| 3. CLASS'S PRIVATE PLAY AREA | 8. LIBRARY             |
| 4. STAFF'S ROOM AND STORAGE  | 9. KITCHEN             |
| 5. MUSICAL ROOM              | 10. STORAGE            |



MASTER PLAN



SECTION A - A



SECTION B - B





# INDIVIDUAL WORKS

## ARCH - 6311

DIGITAL MEDIA - FALL 2022

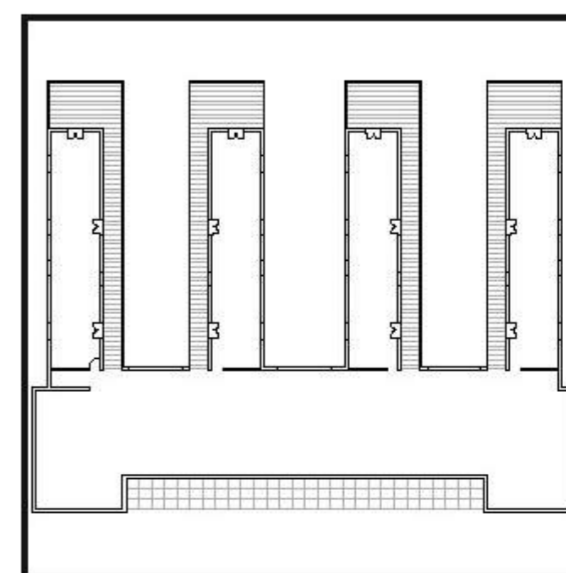
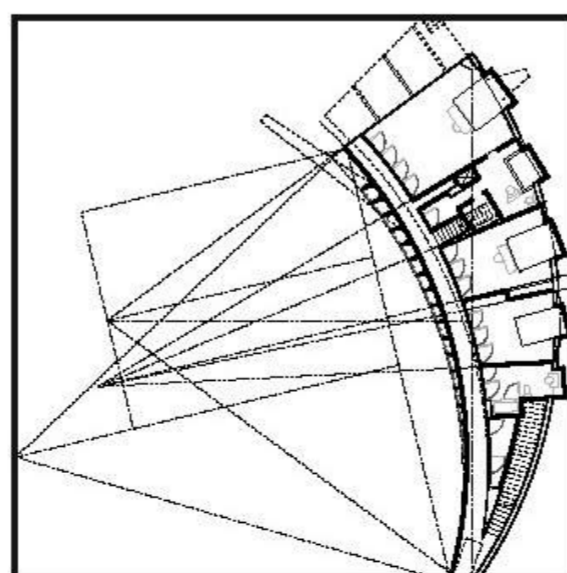
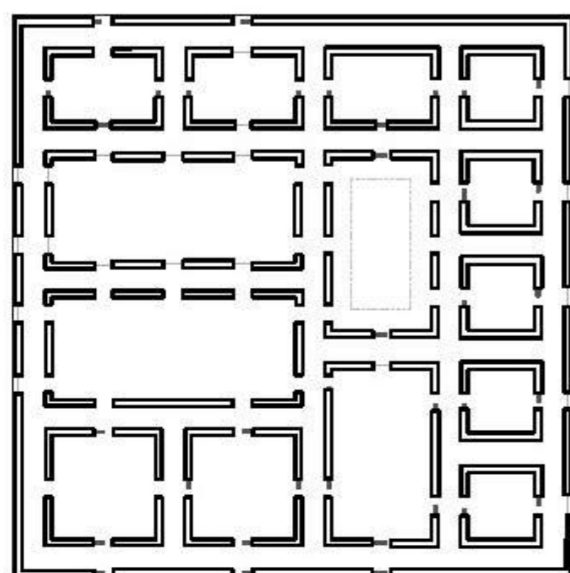
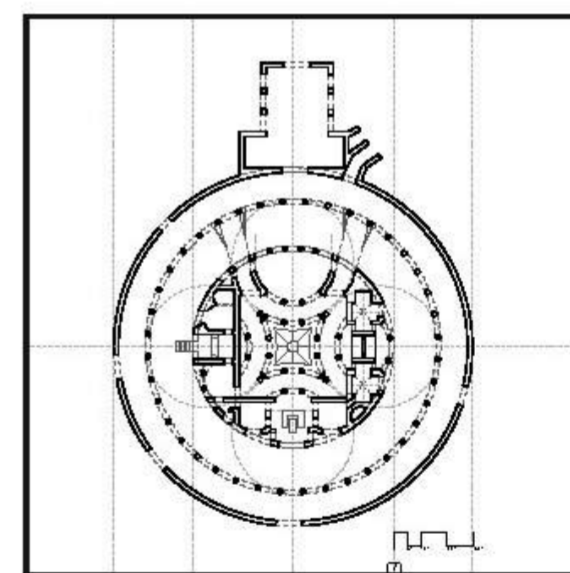
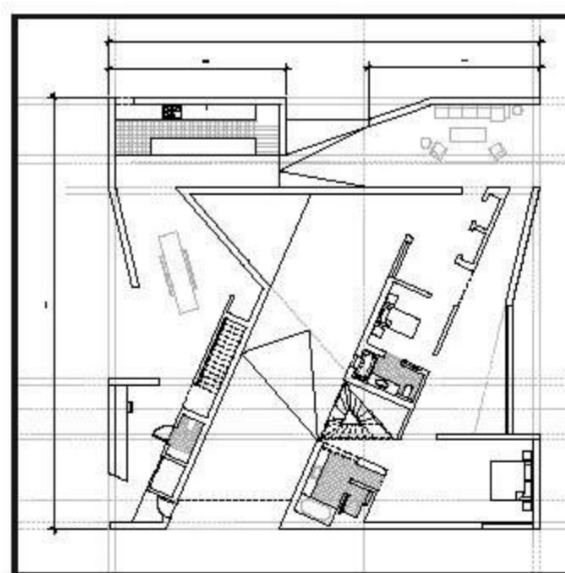
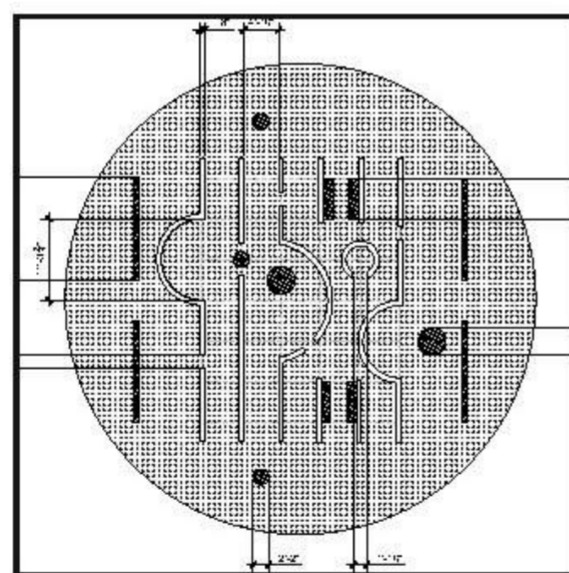
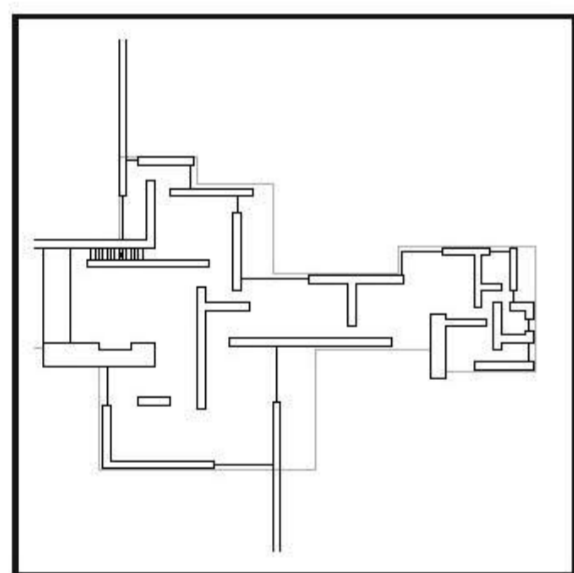
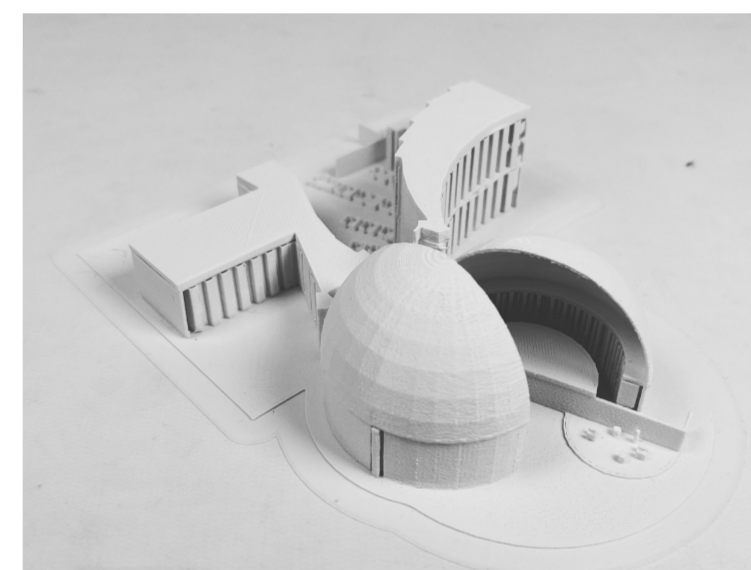
PROFESSOR: S. OMAR ALI AND NIMET ANWAR

## ASSIGNMENT 1: PLAN PATTERNS AND MASHUP

USING COMPOSITIONAL RIDDLES AS AN ORGANIZATIONAL FRAMEWORK, CONSTRUCTING A FICTIONAL, YET PRECISE AND CAREFULLY RECONSTRUCTED FLOOR PLAN THAT COMBINES FRAGMENTS FROM A MINIMUM OF FIVE PRECEDENTS. THIS IS A GRAPHICAL REMIX, THE CONCLUSION OF WHICH FUSES A MEDLEY OF RECOGNIZABLE, EVEN ICONIC, PARTS, DETACHED FROM THEIR WHOLE.

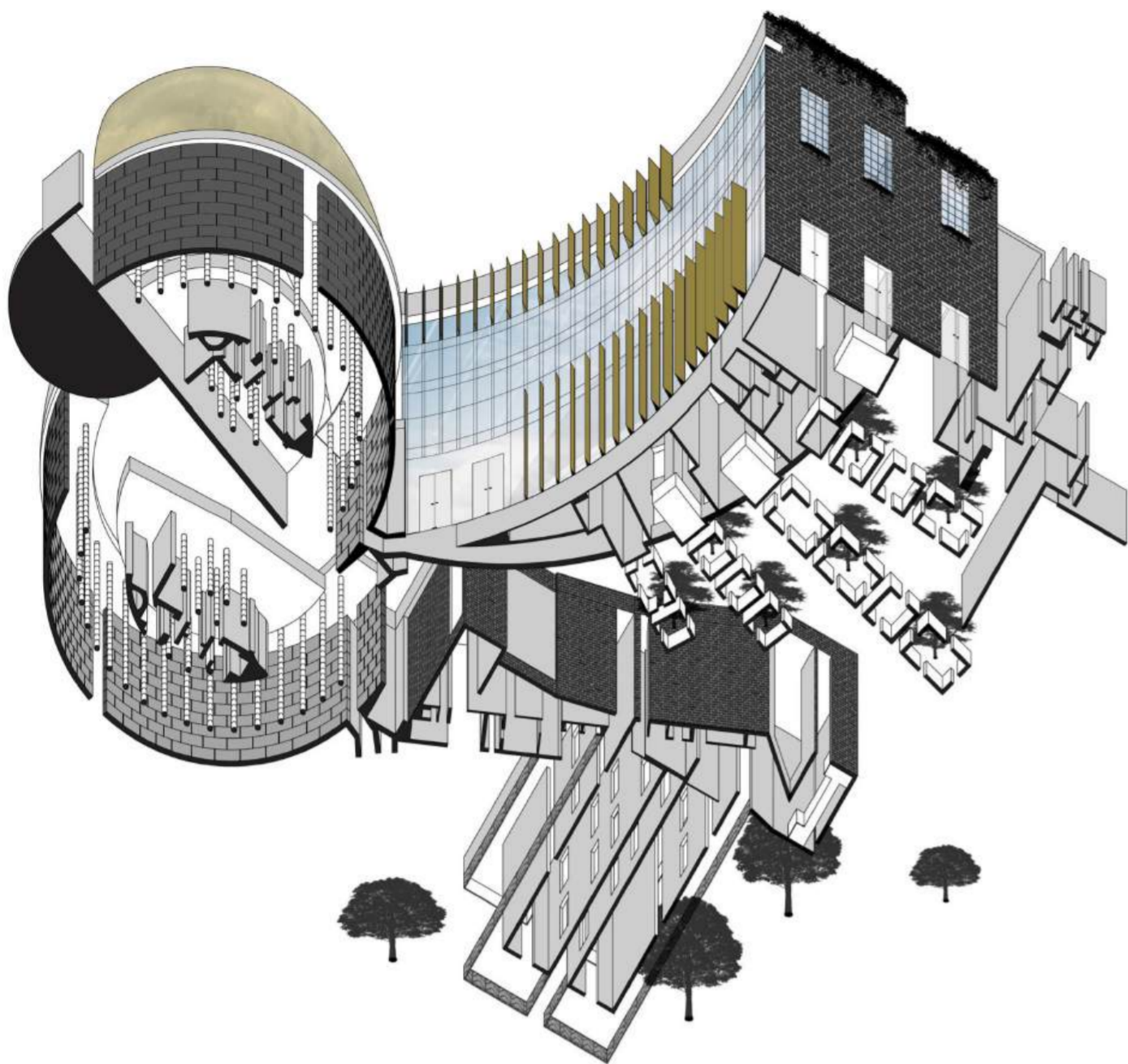
FOR THIS ASSIGNMENT I USED A TOTAL OF SEVEN PRECEDENTS:

- BRICK COUNTRY HOUSE - MIES VAN DER ROHE
- SONBEEK PAVILION - ALDO VAN EYCK
- HOUSE WITH A VOID - STUDIO SEAN CANTI
- TEATRO MARITIMO AT HADRIAN'S VILLA - HADRIAN
- SLOW HOUSE - ELIZABETH DILLER
- ALVALADE HOUSE - AIRES MATEUS
- VILLA AND PAVILION - ALDO ROSSI



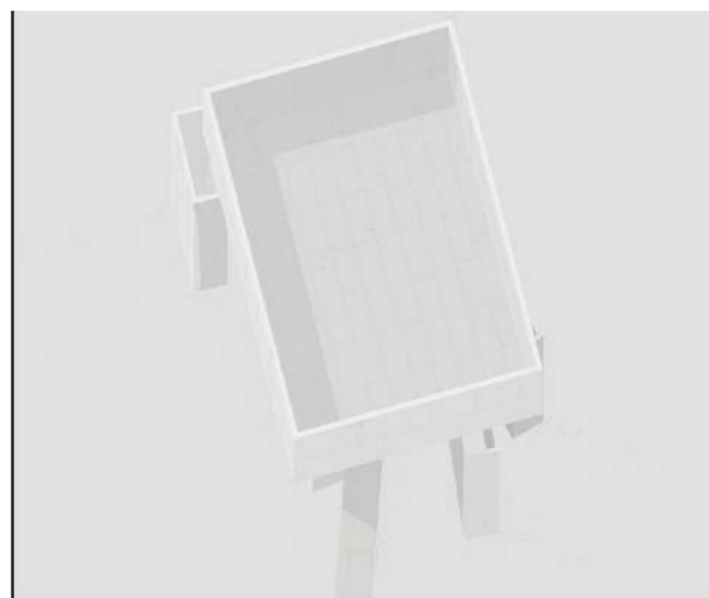
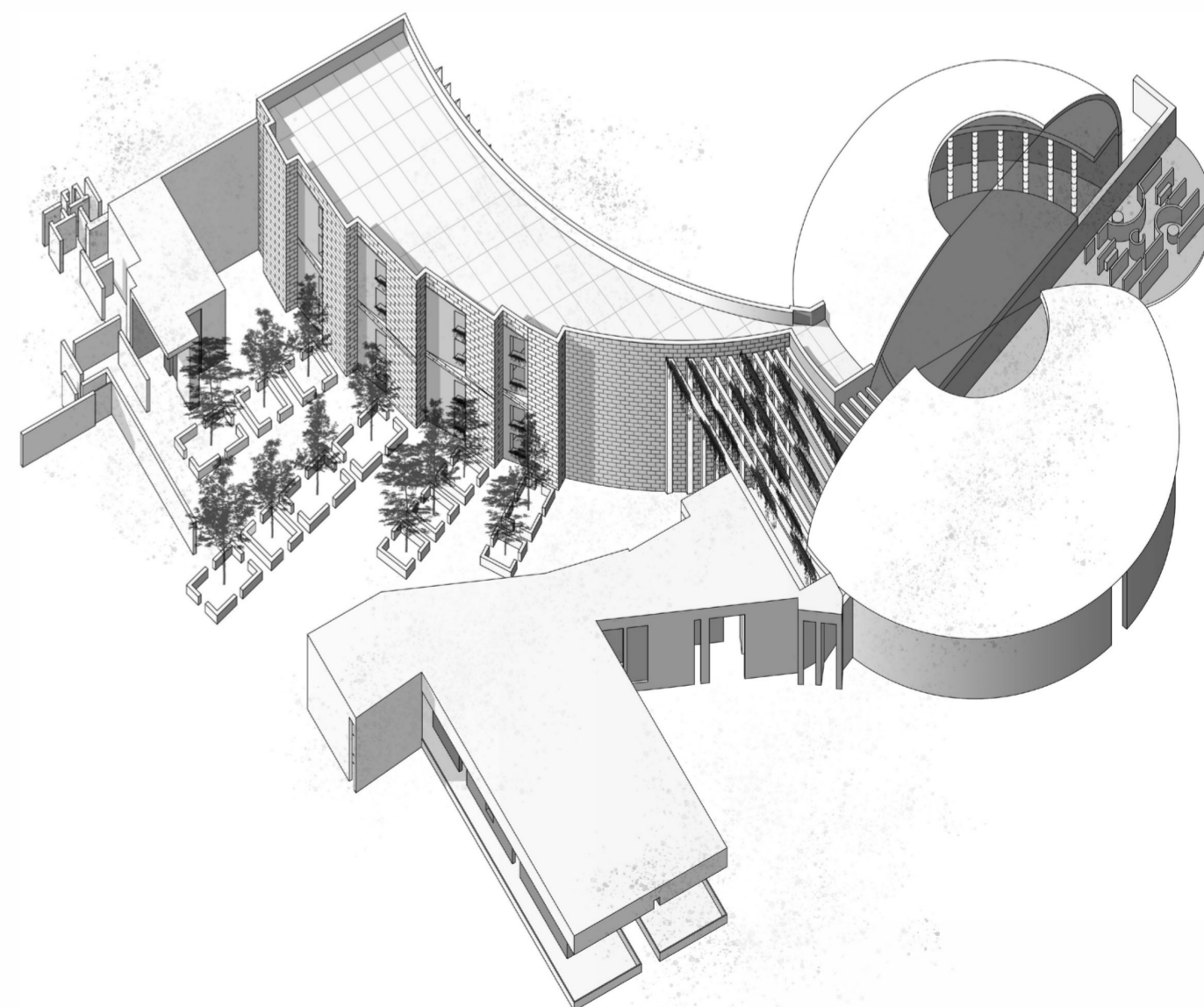
## ASSIGNMENT 2: WORM'S EYE OBLIQUE

MY COMPOSITIONAL RIDDLE "A FLOOR PLAN THAT BREAKS" CAME FROM THE IDEA OF COMBINING CURVES WITH STRAIGHT EDGES. AFTERWARD, PLAN MASHUP WAS USED TO GENERATE A 90° OBLIQUE PROJECTION DRAWING. THE PLAN GENERATES FIRST LEVEL'S ELEVATION. ABOVE THE FIRST LEVEL, THE DRAWING IS A WORK OF FICTION. THE COMPOSITIONAL RIDDLE MAY BE USED TO ASSIST IN DEFINING THE ELEVATION.



## ASSIGNMENT 3: BIRD'S EYE AXONOMETRIC

SIMILAR TO ASSIGNMENT 2, THIS IS THE SAME PLAN ONLY GENERATED INTO AN AXONOMETRIC PROJECTION DRAWING (30-60° FROM ABOVE). HOWEVER, THERE IS A CATCH FOR THIS ASSIGNMENT WHERE YOU HAVE TO FOLLOW A LIST OF PRECEDENTS AND FIND A WAY TO BEST REPRESENT THEM IN YOUR DRAWINGS. I ENDED UP CHOOSING DOLMA'S PROJECT - FIRST OFFICE AS A BASE.





## ASSIGNMENT 4: COPY CAT

THIS IS BY FAR MY BEST WORK IN THE SERIES, AS I WAS LOOKING THROUGH THE LIST OF PRECEDENTS, THIS PERSPECTIVE RENDERING BY PALMA WAS THE MOST CAPTIVATING TO ME AS IT CLEARLY SHOWS THE PEACEFULL ATMOSPHERE. THE RELATIONSHIP BETWEEN THE DETAILS AND THERE IS SOMEHOW A CONVERSATION DEMONSTRATED THROUGH A 2D DRAWING. THIS IS ALSO THE GOAL OF THE ASSIGNMENT AS I TRY TO BRING THE DRAWING TO LIFE.



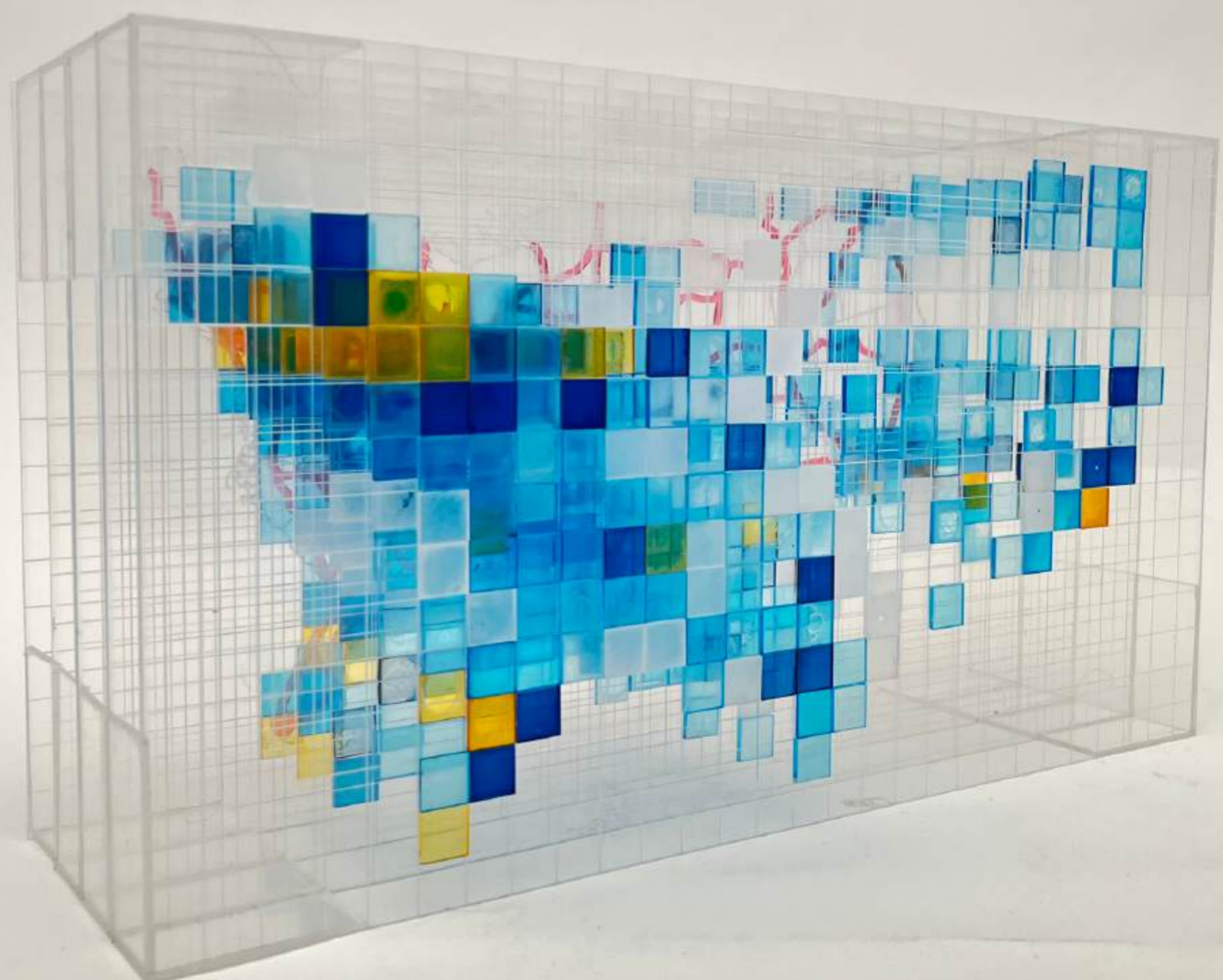
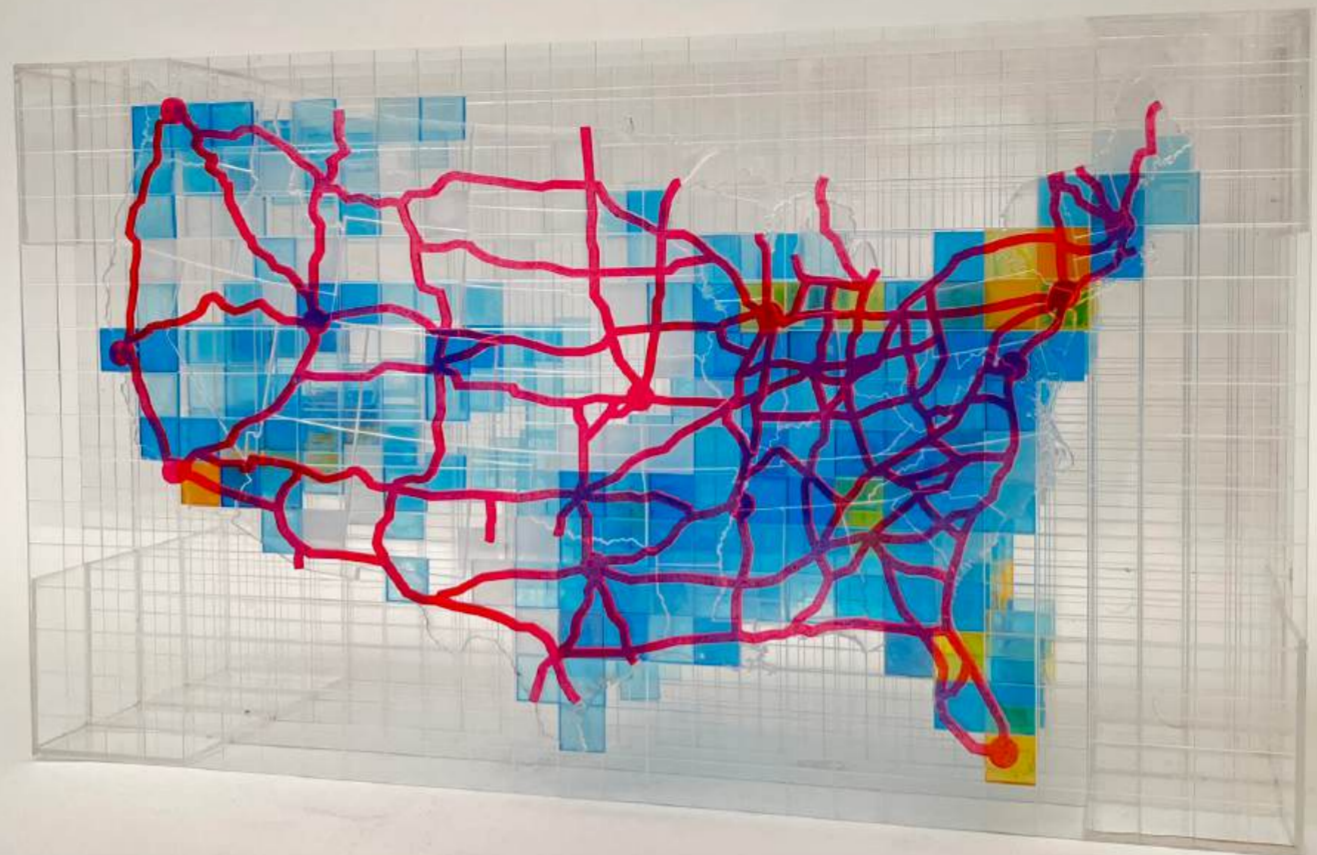
PALMA, CASA PARA AXEL (2018)

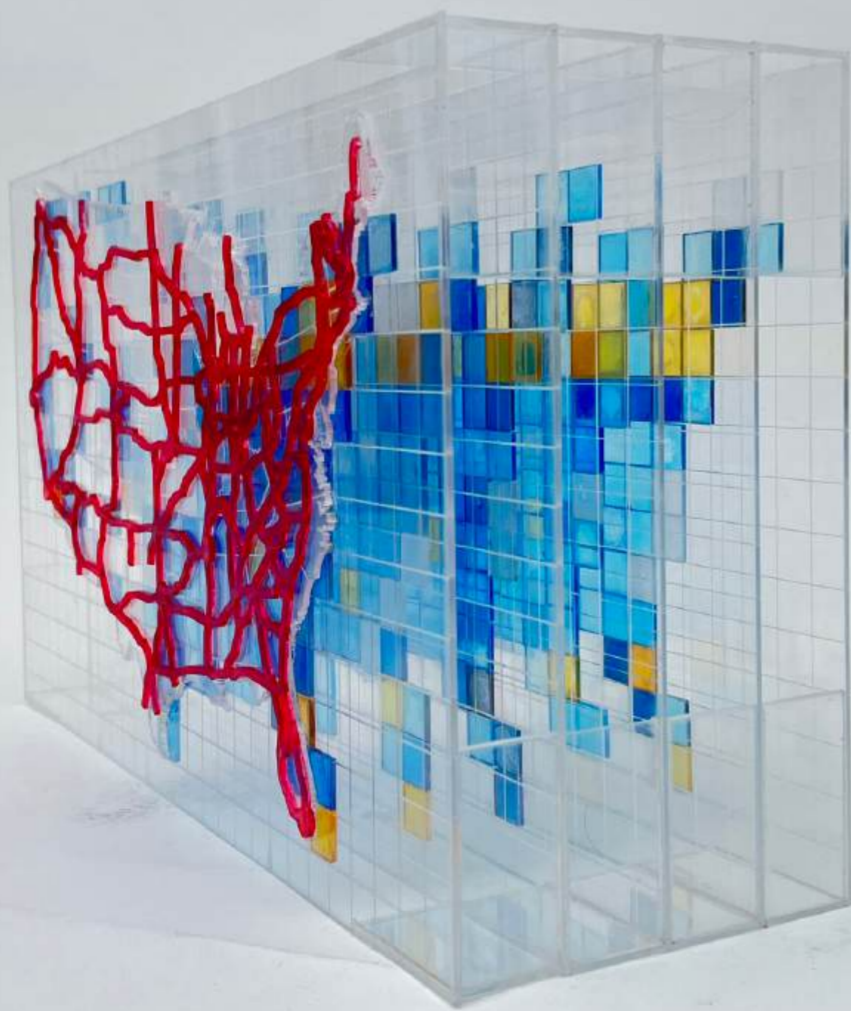
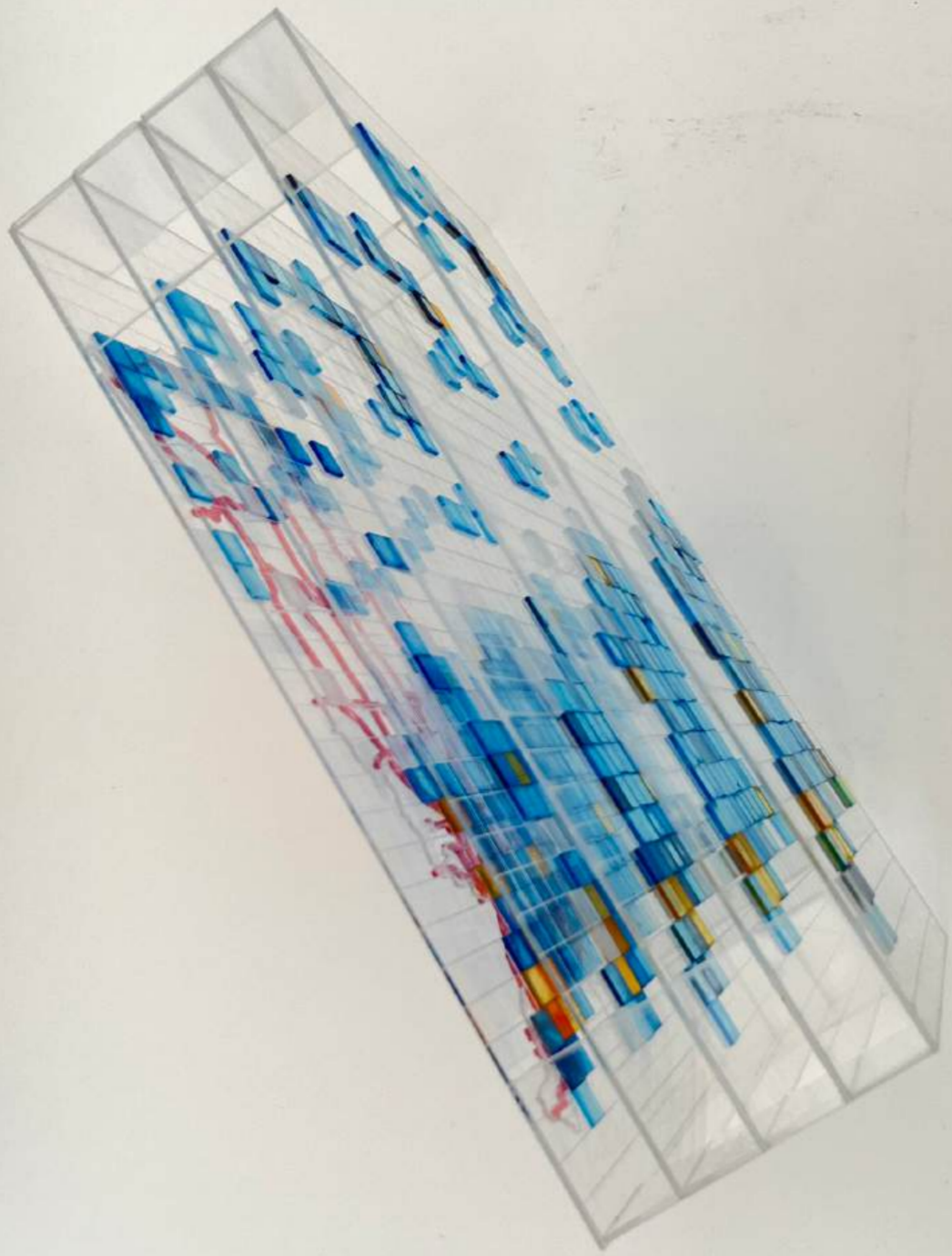
# ARCH - 6963

MAPPING AS MAKING

PROFESSOR  
ELIZABETH CAMUTI

MODEL VISUALIZATION OF THE UNITED STATES HEAT MAP OF THE NUMBERS OF MOTOR VEHICLE ACCIDENTS OCCURRED IN 2012. COLOR CODED AND SEPARATED INTO WEEKDAYS





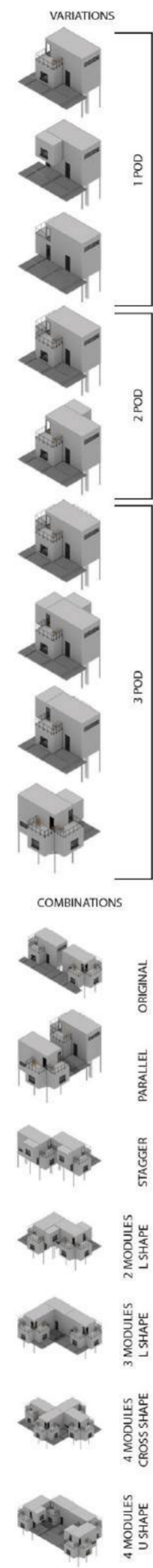
# IMPACT DESIGN

## 2022

STUDIO B

POSITION  
TEAM LEADER

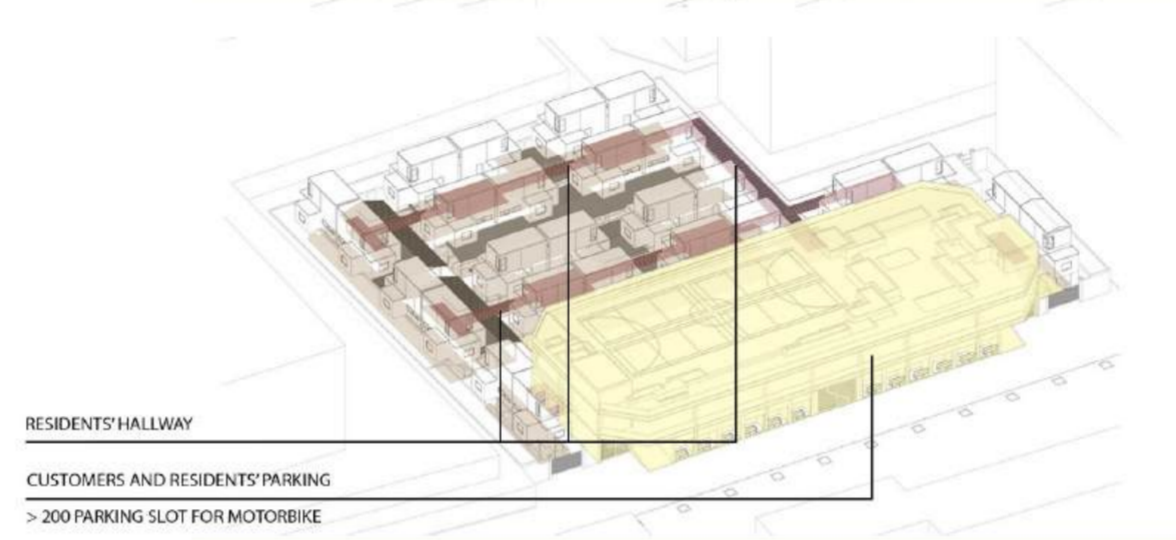
INSTRUCTOR  
NGUYEN TUAN HUY



WASTE DISPOSAL SYSTEM



MARKET'S ADMINISTRATION



RESIDENTS' HALLWAY

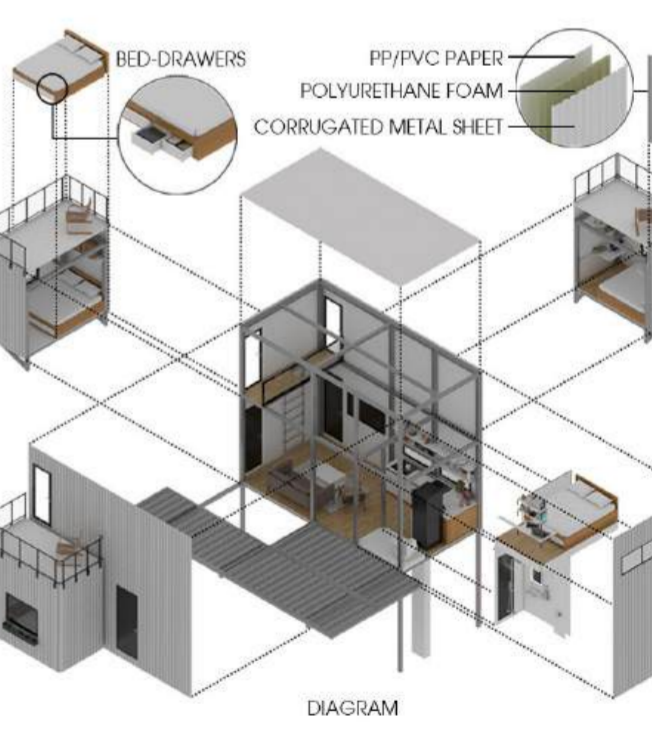
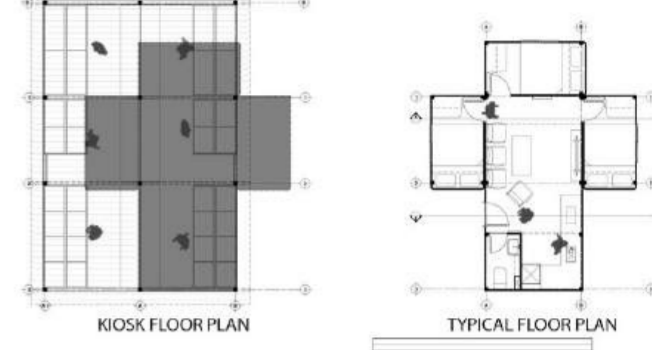
CUSTOMERS AND RESIDENTS' PARKING  
> 200 PARKING SLOT FOR MOTORBIKE



ROOFTOP PUBLIC PARK AND GREEN SPACES



1500 3000 5000 10000 mm



AWARDED  
TOP 25 HONORABLE MENTIONS



IN PRESENT DAYS, YOUNG PEOPLE INCLINE TO MIGRATE TOWARD URBAN AREAS FOR BETTER EMPLOYMENT AND NETWORKING OPPORTUNITIES. HOWEVER, THIS LEADS TO A CONCERN OF POPULATION EXPLOSION AND LACK OF RESIDENTIAL AREAS WITH REASONABLE PRICES WHILE ENSURING FUNDAMENTAL LIVING QUALITIES. THE SITUATION IN HANOI, VIETNAM IS ONE OF THE TYPICAL EVIDENCES OF THIS. THROUGH THOROUGH RESEARCHES, IT CAME TO OUR AWARENESS THAT THERE IS A WASTE OF SPACE ABOVE TRADITIONAL MARKETS IN VIETNAM, THE KIOSKS ROOFED WITH CORRUGATED IRON AND CANVAS DOES NOT MATCH THE AESTHETICS OF A DEVELOPING CITY.

"IVXI", REFERRING TO 4X1-4 BEDROOM AND 1 BATHROOM, IN OUR PERCEPTION, IS A MODULAR SOLUTION TO UTILIZE WASTED SPACE TO ACCOMMODATE SHELTERS FOR 100+ INDIVIDUALS THAT CAN BE FLEXIBLE FROM 1 TO 4 PEOPLE EACH MODULE. MOREOVER, OUR CONCEPT CREATES OTHER VALUES FOR PEOPLE WITH LOW INCOME SUCH AS ELIMINATING THE DISTANCE OF RESIDENTS TO THE FOOD SUPPLIERS AS WELL AS MINIMIZING WASTED FOOD. IVXI ALSO PROVIDES A PUBLIC SPACE THAT HELPS WITH ENHANCING SOCIAL ENGAGEMENT FOR PEOPLE AND INCREASING MORE GREEN SPACES FOR THE CITY.





## CERTIFICATE OF ACHIEVEMENT

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Proudly Presents to

*Doan Hai Dang*

for securing a position in Top 50  
MICRO HOUSING ARCHITECTURE COMPETITION  
Hosted by IMPACT COMPETITIONS

### Jury Panel

---

Aristides Dallas • Joe Chikamori • Liz Walsh • Sebastian Irarrazaval • James Shen  
Ludwig Godefroy • Doan Thanh Ha • Peter Pichler • Mark Foster Gage • Sun Dayong

# THANK YOU!

IF YOU HAVE ANY QUESTIONS, FEEDBACK OR IF YOU JUST WANT  
TO REACH OUT TO HAVE A CHAT ABOUT ART AND ARCHITECTURE  
PLEASE DON'T HESITATE TO SEND ME AN EMAIL OR A TEXT

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+1 504 812 7902 (U.S)