

# DESIGN PORTFOLIO

ERIC GILBERT TAURO



ARCHITECTURE

LANDSCAPE

URBAN

ECOLOGICAL

FACADES

COMMUNITY

INTERIOR

CONSTRUCTION

# TABLE OF CONTENTS

With my architecture and landscape design experience, I am eager to take any challenges and translate it into creative and effective design solutions. My eco-friendly knowledge and sustainability education have provided me with thoughtfulness towards environmental impacts as I implement my design solutions. It is quite important to recognize the sensitivity of the environment, and to respect the preservation of the character and culture that is instilled within the sites and its community. It is also important to protect and conserve the wildlife that may also utilize the sites and its environmental resources. Functionality, usability, and accessibility for all potential users of the site play a key role in successful design. Proper maintenance and cost-effectiveness are also important factors to always consider as a result of the design. In addition, I have a strong belief in the importance of teamwork, especially with interdisciplinary projects that I have experience through my collegiate and higher education. Most successful projects occur in result of cohesive teams, which promotes higher productivity and efficiency. With my passion and eagerness, I am a hardworking individual motivated to apply my skills and knowledge to any possible opportunity that may further develop my experience within the field of architecture.



## ERIC GILBERT TAURO

37 Waverly Street, Jersey City, NJ 07306  
209-598-9292 | egtauro@gmail.com

OBJECTIVE

- To gain work experience in the field of architecture and design

EDUCATION**Rensselaer Polytechnic Institute** - *Troy, NY*

- Master of Architecture (*Expected Graduation: May 2018*)

**Center for Architecture, Science, and Ecology (CASE)** - *New York, York*

- RPI Student Research Program at Skidmore, Owings & Merrill (*August 2017 - December 2017*)

**California State Polytechnic University** - *Pomona, CA*

- Bachelor of Science, Landscape Architecture (*Graduated: June 2013*)

**Santa Chiara Study Center** - *Castiglion Fiorentino, Italy*

- Landscape Architecture Study Abroad Program (*August 2012 - November 2012*)

WORK EXPERIENCE**Freelance Architectural Designer | BuroEhring** | New York, NY (*August 2017 - present*)

- Drafting facade system details and conducting thermal performance analysis for various architectural projects.

**Architectural Intern | KUSHNER Studios** | New York, NY (*June 2017 - August 2017*)

- Opportunity to apply knowledge gained in an educational environment to many diverse tasks typically found within the design-build industry
- Support project managers by performing a variety of tasks that are crucial to meet deadline of projects that span Residential, Commercial, Hospitality and Institutional

**Freelance Renderer | QG Floral + Landscape** | New York, NY (*February 2017 - March 2017*)

- Drafted drawings and 3D model renderings for John F. Kennedy Airport event design spaces

**Architectural Intern | Misra & Associates, P.C.** | New York, NY (*May 2016 - August 2016*)

- Collaborated with and assist on the design, project management, and preparation of construction documents for a variety of residential, commercial, and institutional projects
- Introduced Rhinoceros as an option for 3D visualization of projects

**Design Assistant | Weitzman Halpern Interior Design** | New York, NY (*September 2014 - June 2015*)

- Collaborated with pinrcipals in all phases of the design process, including client meetings and presentations, shopping, design intent drawing, and site visits during construction and installation
- Worked directly with vendors to generate quotes, client proposals, and purchase orders
- Updated drawings in AutoCAD

**Freelance Renderer | Ovando** | New York, NY (*September 2013 - March 2015*)

- Drafted CAD drawings and 3D model renderings of event design spaces

**Design Intern | DADAPT** | Brooklyn, NY (*September 2013 - February 2014*)

- Drafted schematic & construction documents in AutoCAD
- Produced 3D modeling and rendering in SketchUp
- Conducted FF&E research, assisted in selecting materials, and styling opportunities

AFFILIATIONS**American Institute of Architecture Students (AIAS)**

- Co-President, *2017*
- Social/Public Relations Chair, *2016*

**Rensselaer Student Ambassador**

- Meet with prospective architecture students
- Attend AIAS conferences to represent the school

**American Society of Landscape Architects (ASLA)**

- Member, *2009-2013*

**Tau Kappa Epsilon Fraternity**

- Social Chair/Event Coordinator, *2011-2013*

**Order of Omega**, Greek Leadership Honour Society

- Member, *2013*

**Musical Theater and Chamber Choir**

- Actor and Tenor Vocalist, *2008-2011*

COMPUTER SKILLS**AutoCAD, Rhinoceros, Revit, and Vectorworks**

- Draft drawings, construction documentation, 3D modeling and V-Ray rendering

**Maya and SketchUp**

- 3D modeling and V-Ray rendering

**Grasshopper, Ladybug/Honeybee, Python, and Processing**

- Coding scripts via Rhinoceros

**Adobe Illustrator, InDesign, and Photoshop**

- Graphic design, image editing

**QGIS, ArcGIS, Climate Consultant and THERM**

- Site mapping, climate and thermal analysis

**Proficient in Microsoft Office**

- Word, Excel, Powerpoint, etc.



# W.I.L.D.[LIFE]

INTERCONNECTION  
& LAND DEVELOPMENT

## MOUNTAIN LION MIGRATION TERRITORY





# W.I.L.D[LIFE]

INTERCONNECTION  
& LAND DEVELOPMENT

GRIFFITH PARK  
LOS ANGELES, CA

*(In Progress)*

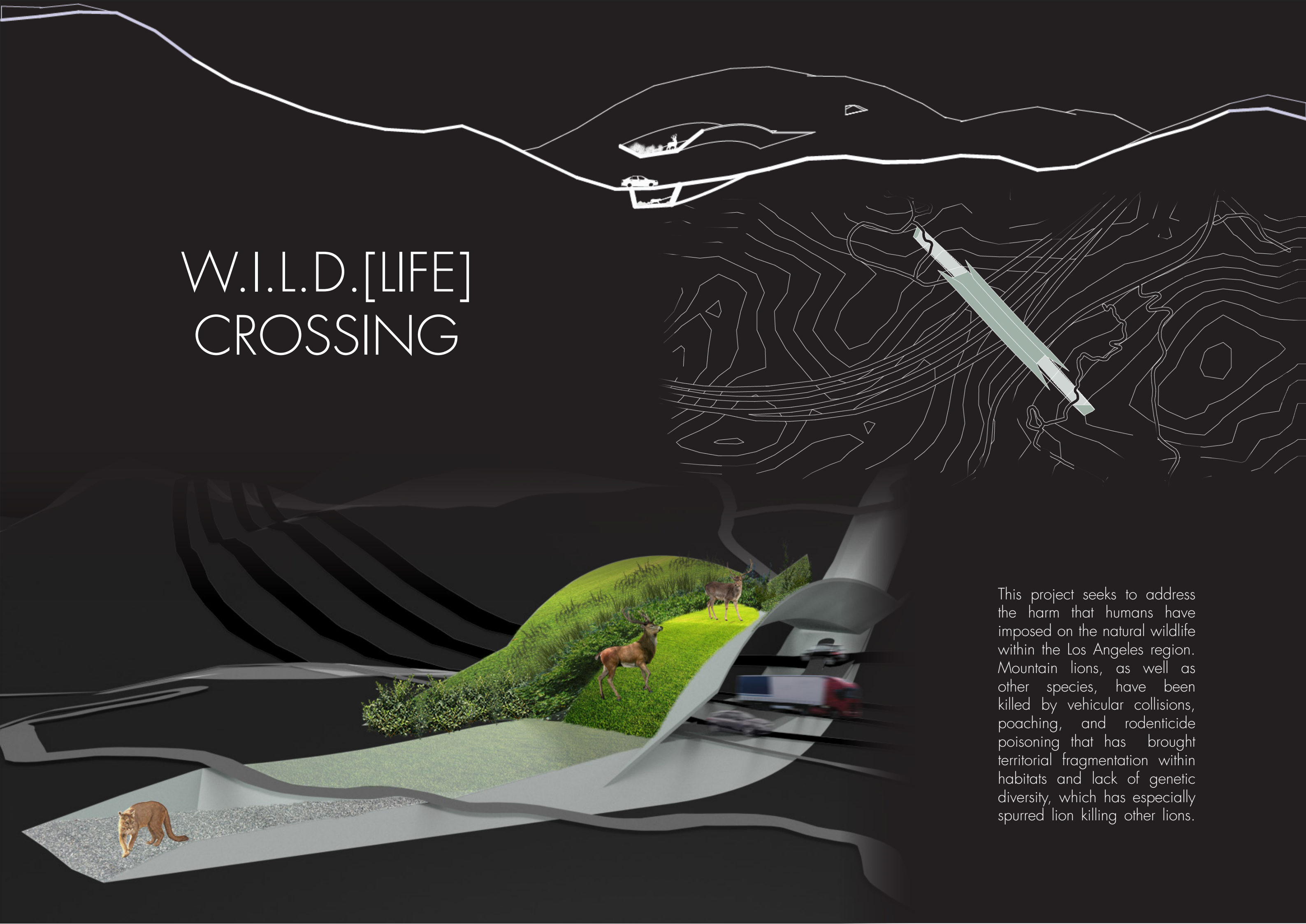
## GOAL:

To design the natural territory as a means of cohabitation between human beings, mountain lions, and other species. As an extension of the Los Angeles Zoo, the old abandoned zoo site will be re-established as an educational hiking trail that helps stimulate the genetic diversity, adaptation and livelihood of the mountain lions and other animal species that migrate south towards the mountaneous regions bordering the city of Los Angeles.



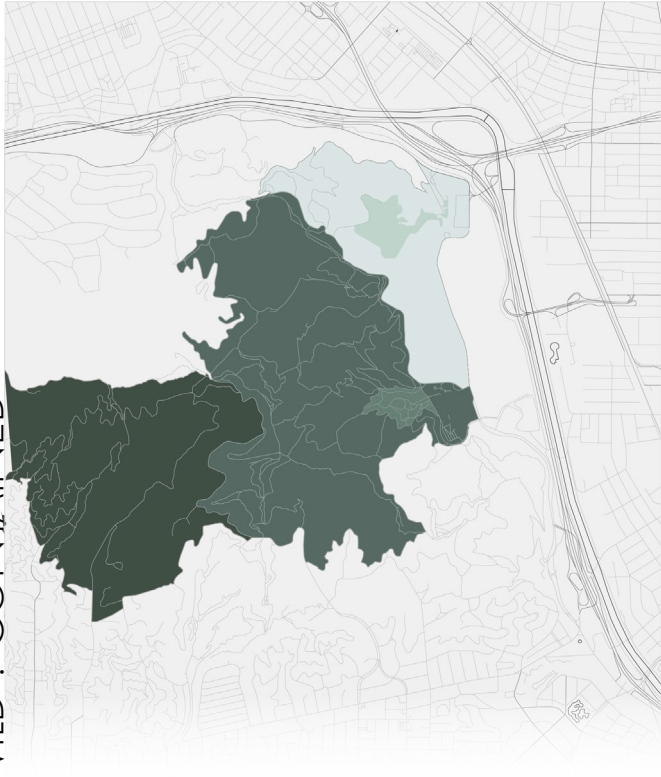
# W.I.L.D.[LIFE] CROSSING

This project seeks to address the harm that humans have imposed on the natural wildlife within the Los Angeles region. Mountain lions, as well as other species, have been killed by vehicular collisions, poaching, and rodenticide poisoning that has brought territorial fragmentation within habitats and lack of genetic diversity, which has especially spurred lion killing other lions.

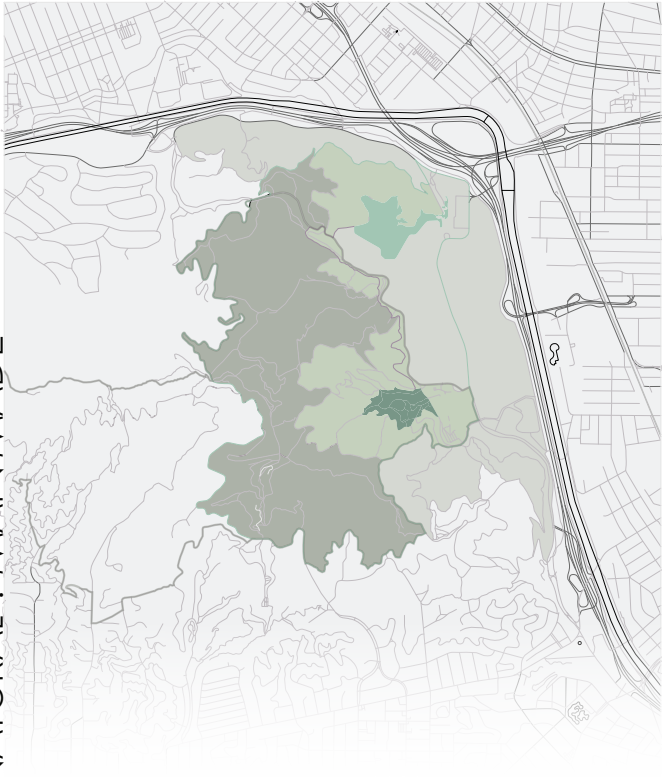




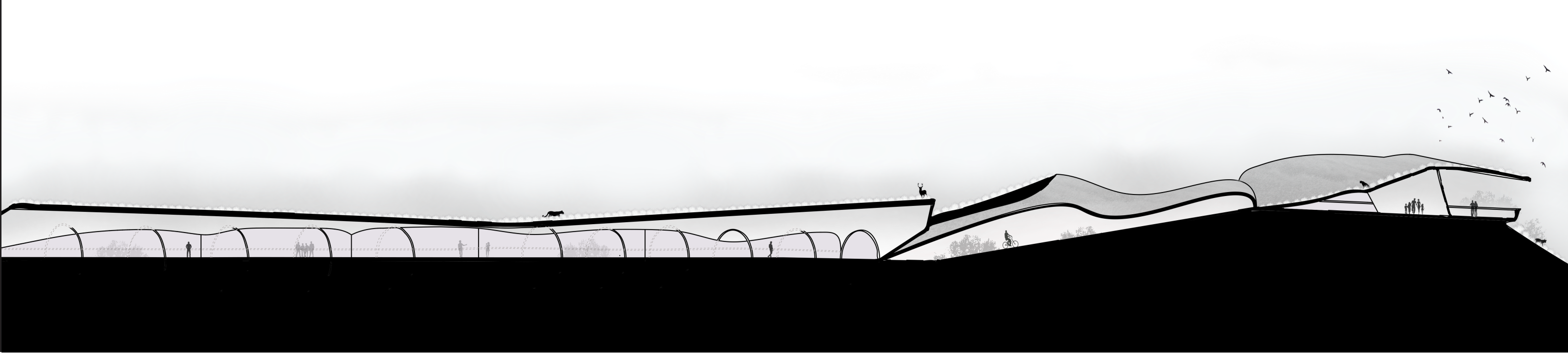
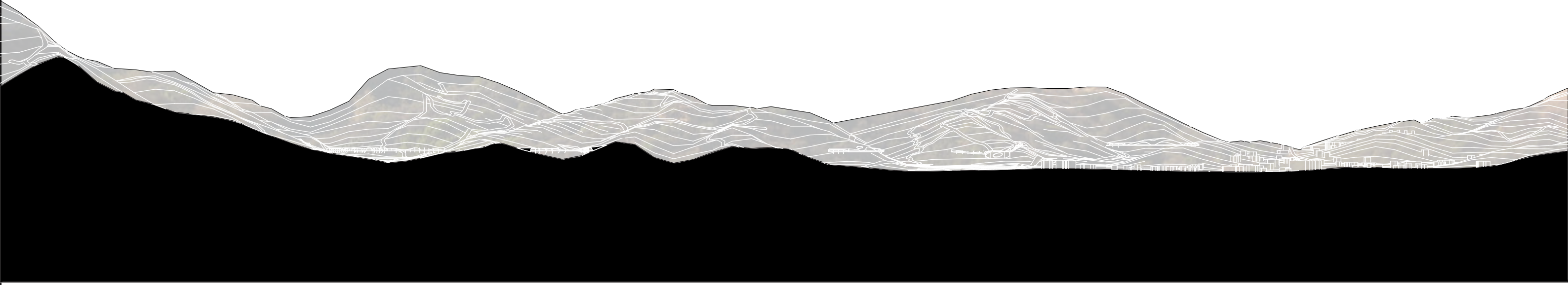
WILD : CONTAINED



NATURAL : MAN-MADE



THE LOS ANGELES ZOO TRAIL





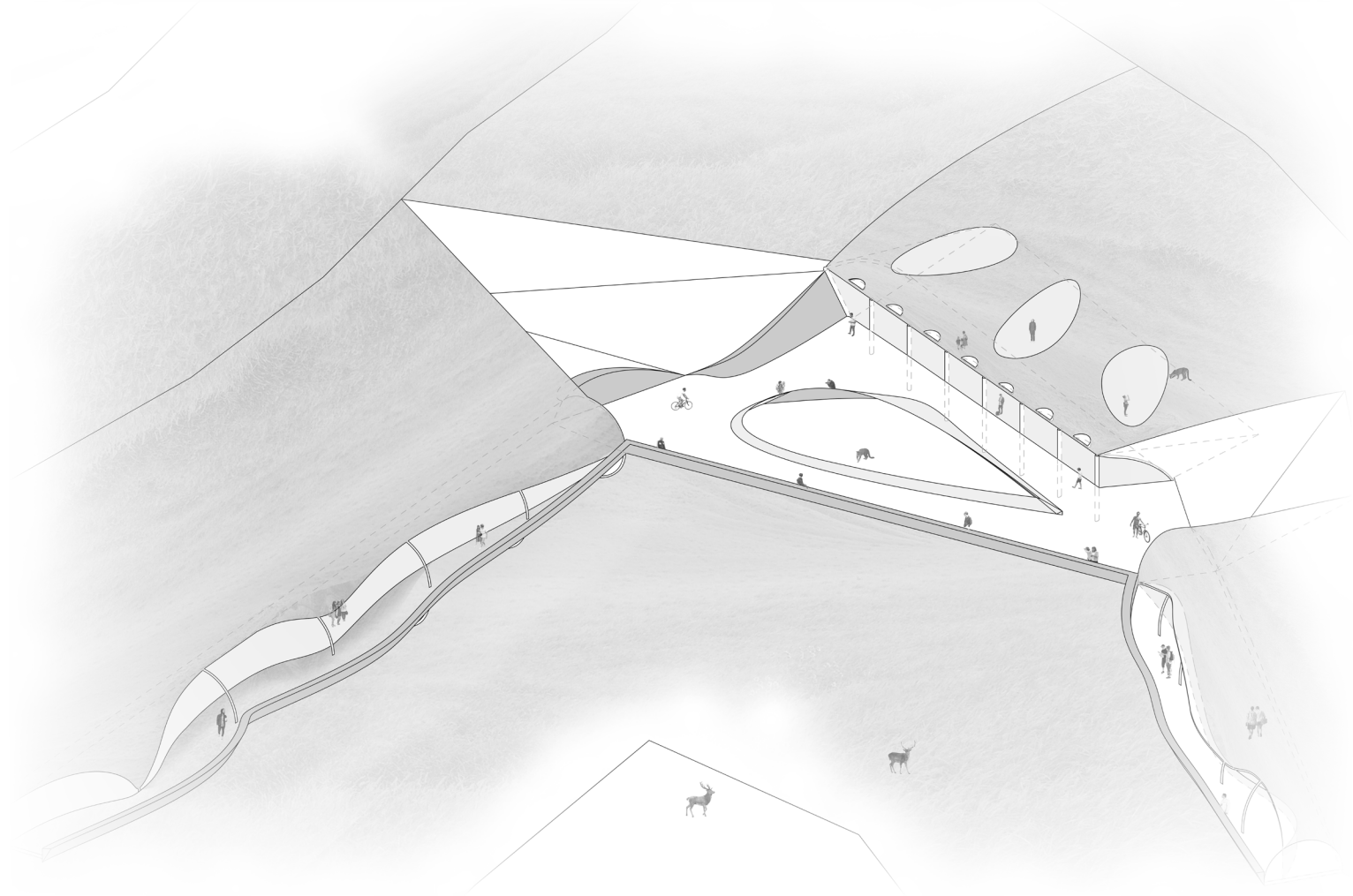


INTERVENTION 1

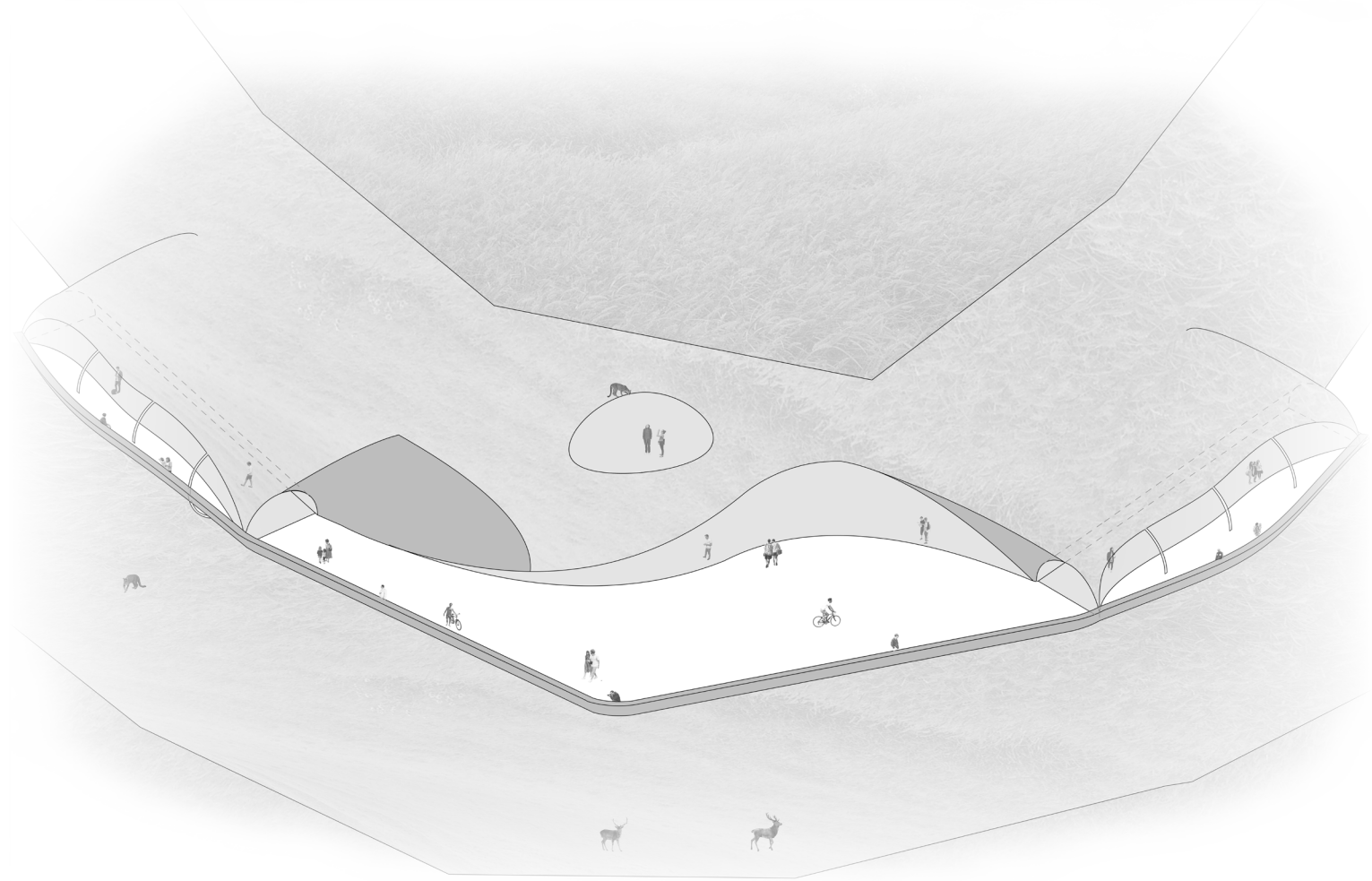
# [RE]W.I.L.D

TRAIL INTERVENTIONS

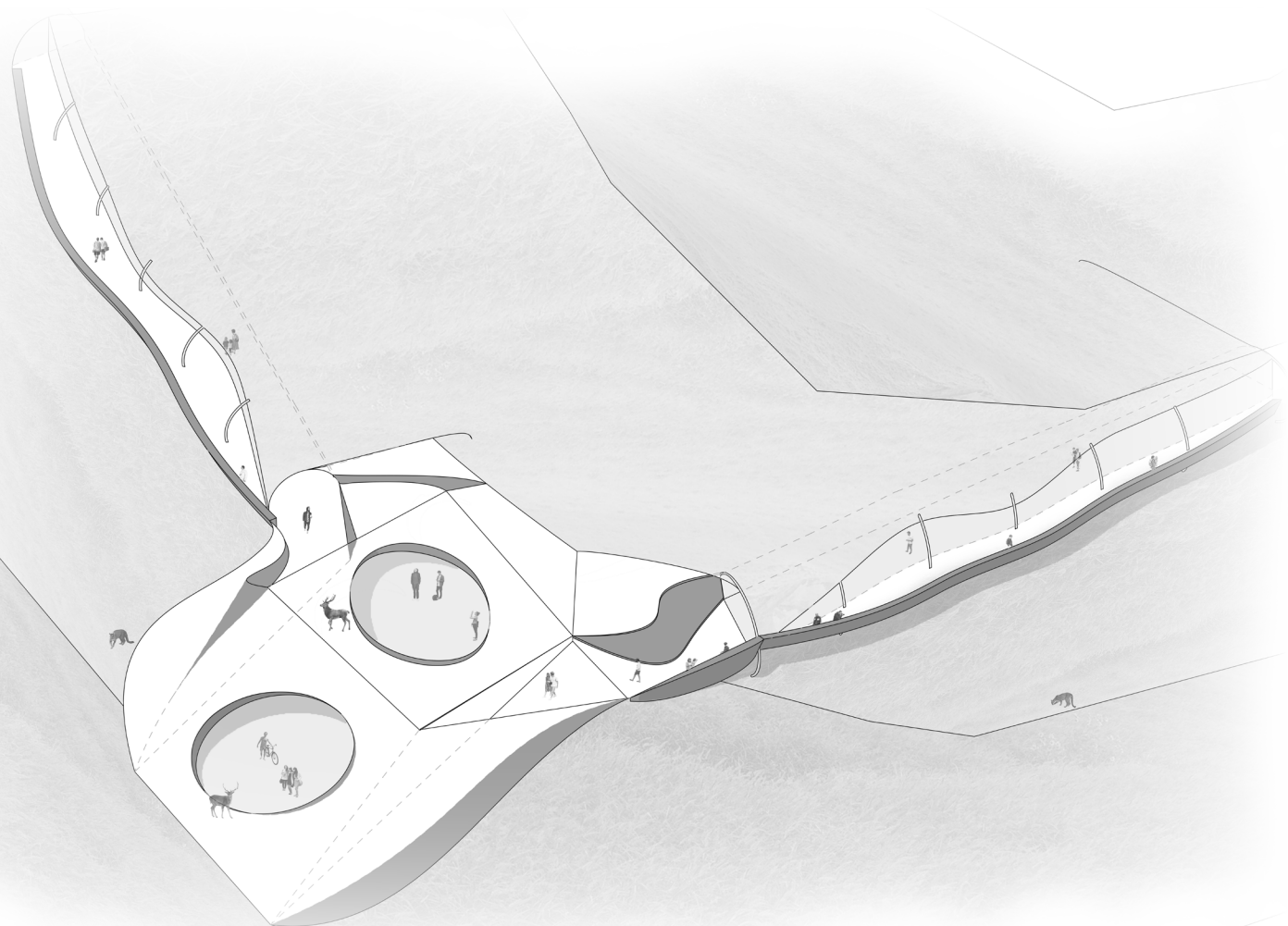




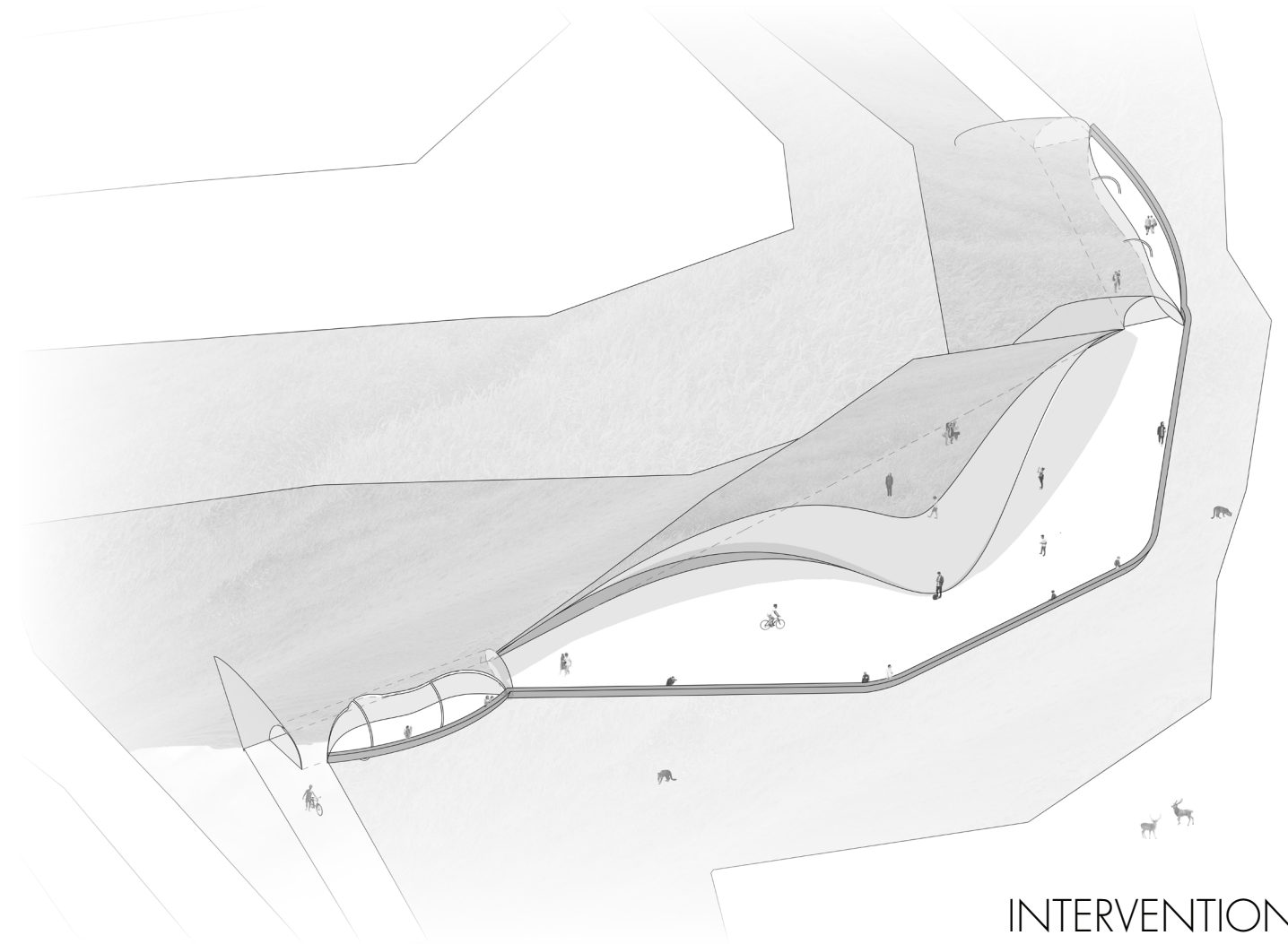
INTERVENTION 2



INTERVENTION 3



INTERVENTION 4



INTERVENTION 5



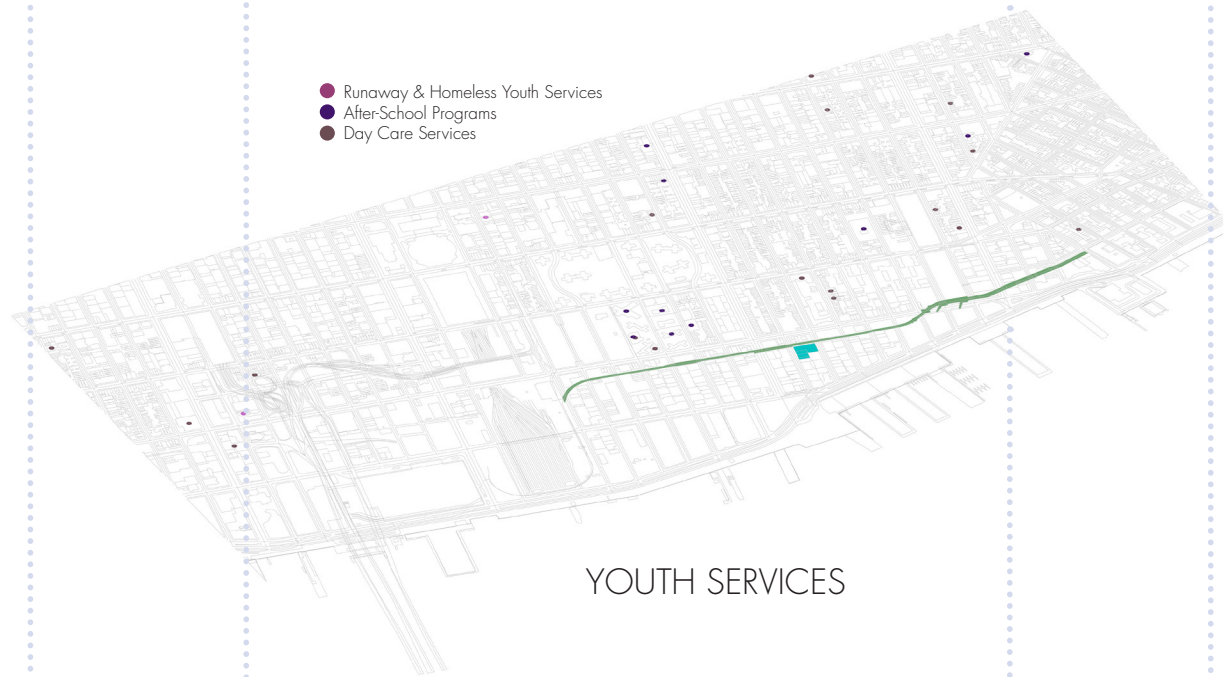
# SITE ANALYSIS

- Art Galleries
- Museums
- Theaters



ARTS

- Runaway & Homeless Youth Services
- After-School Programs
- Day Care Services



YOUTH SERVICES

- Colleges & Universities
- Adult & Continuing Education
- Library



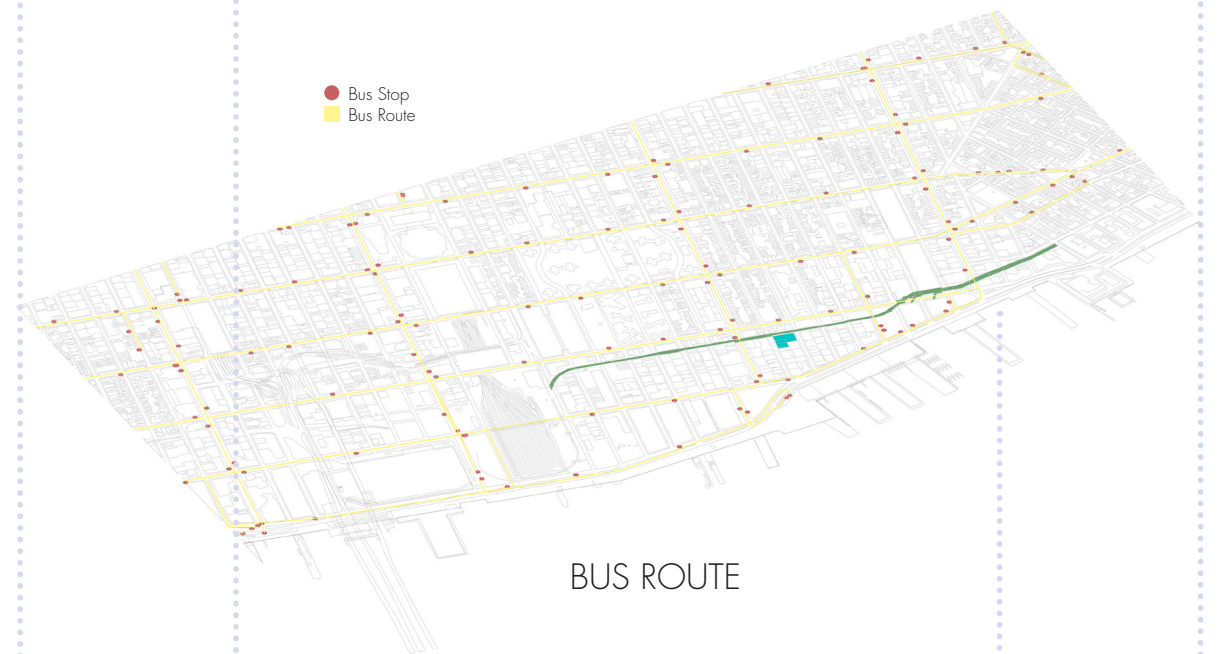
EDUCATION

- Subway Entrances
- Subway Stations
- Path Stations



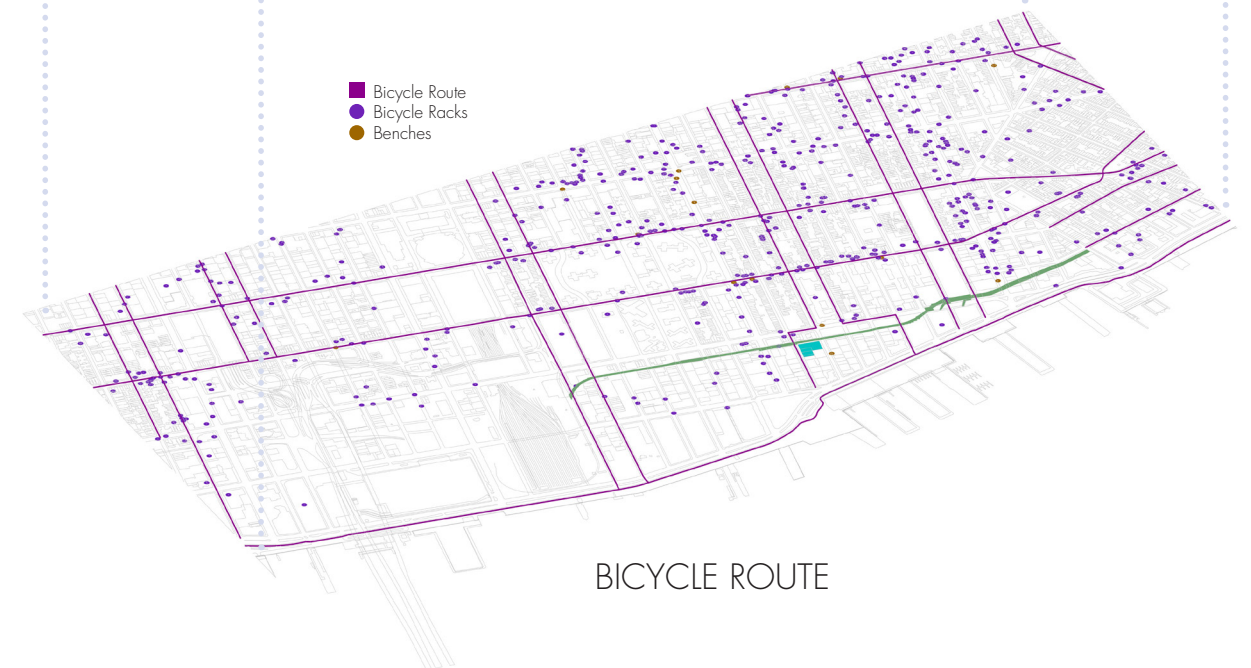
TRANSIT STATIONS

- Bus Stop
- Bus Route



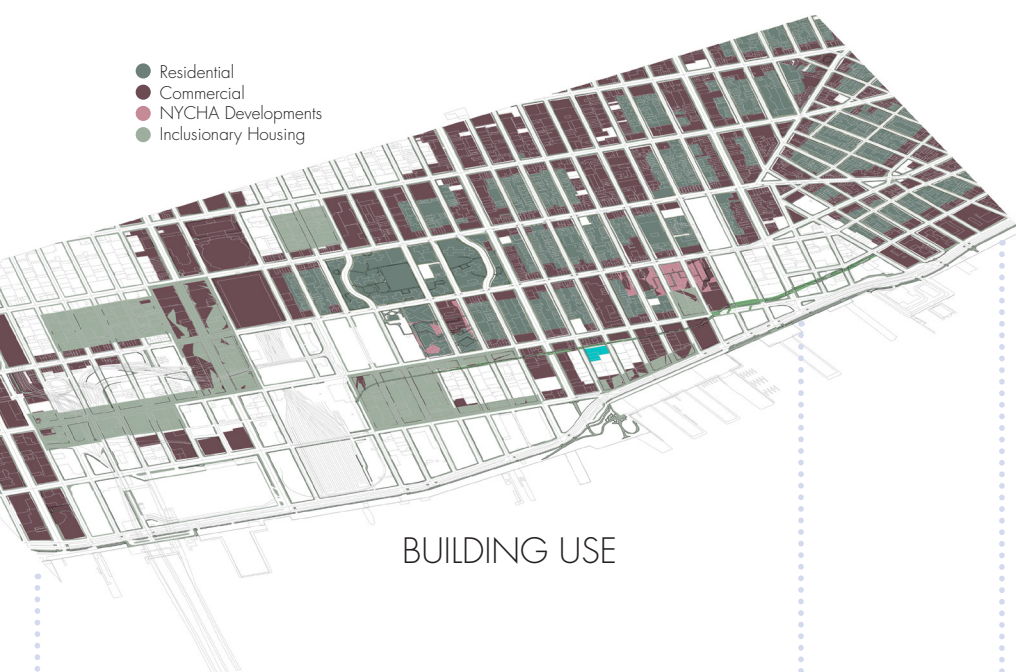
BUS ROUTE

- Bicycle Route
- Bicycle Racks
- Benches

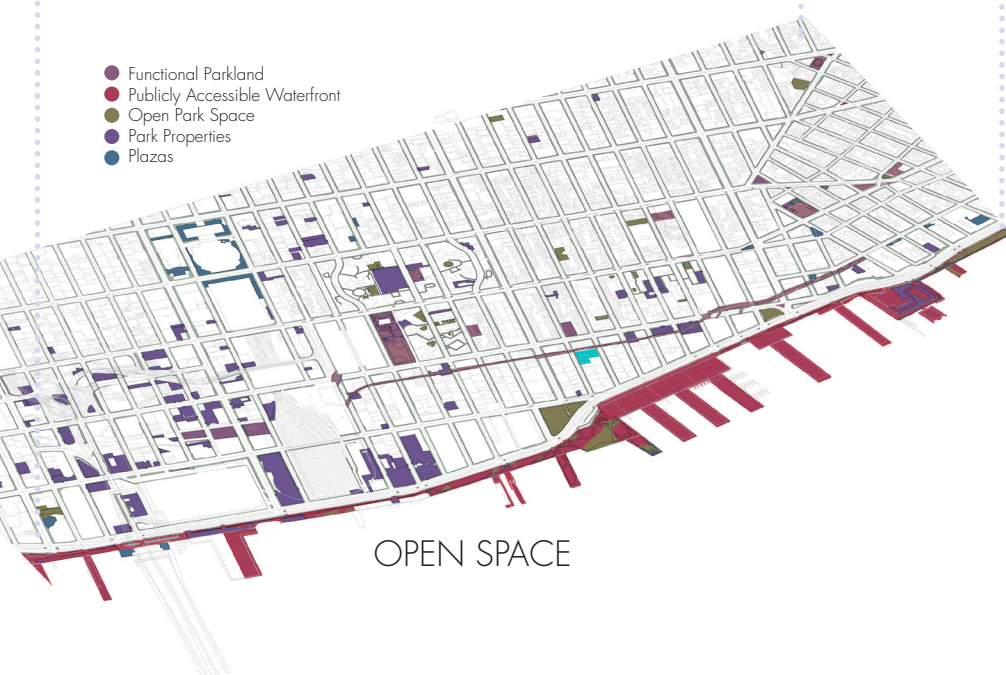


BICYCLE ROUTE





BUILDING USE



OPEN SPACE

# PERFORMING ARTS CENTER THE HIGHLINE PARK CHELSEA, MANHATTAN, NY

*In collaboration with Andrew Reed Loeshelle*

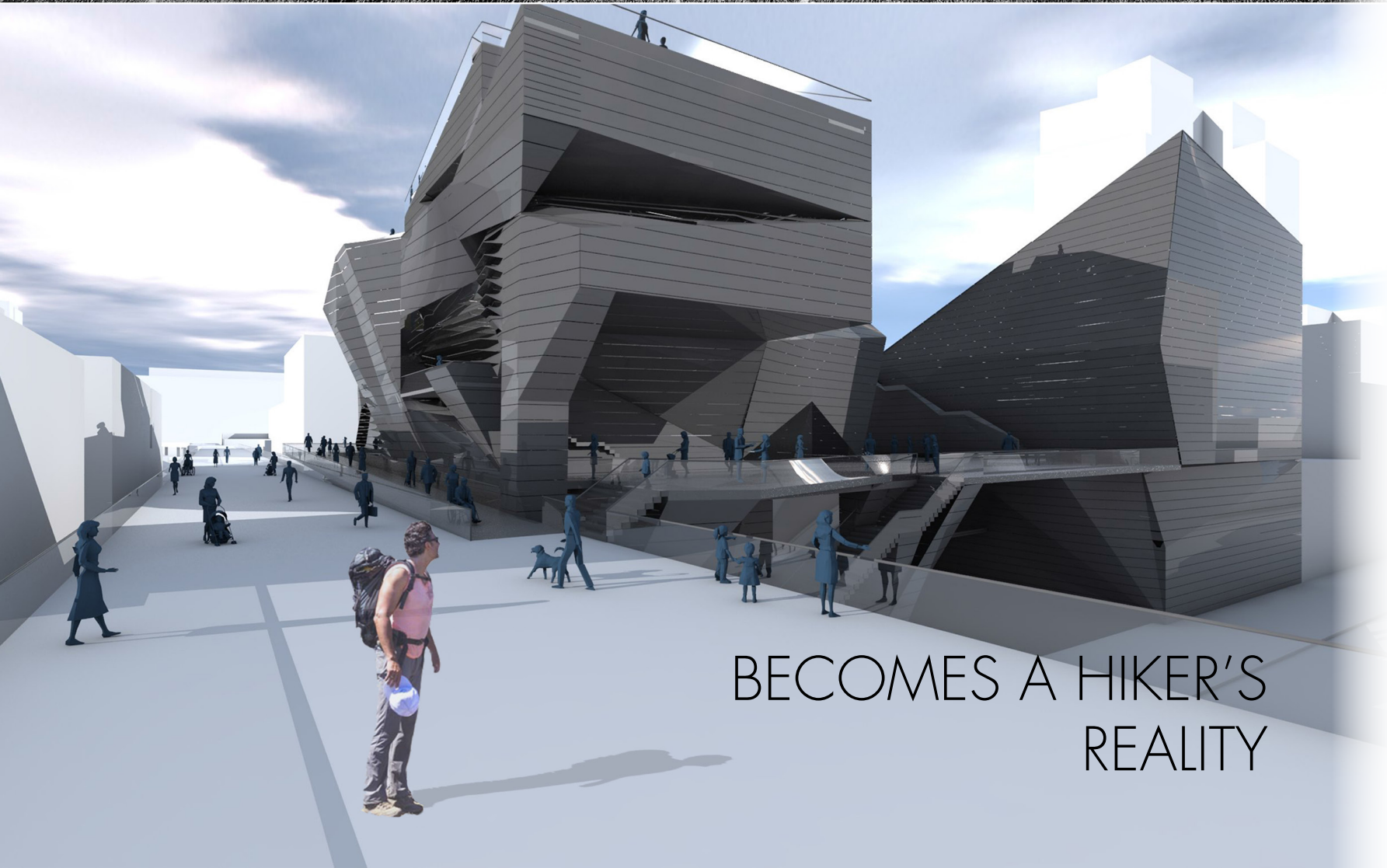
## GOAL:

To design the site as a new access point and central hub for the Highline Park with a unique transitional connection from the ground to the elevated platform, creating opportunities of exterior circulation and urban design to explore the structure and the spaces it provides as a "teaser" glimpse of the performing arts center's interior programming for both locals and tourists to enjoy and never forget.

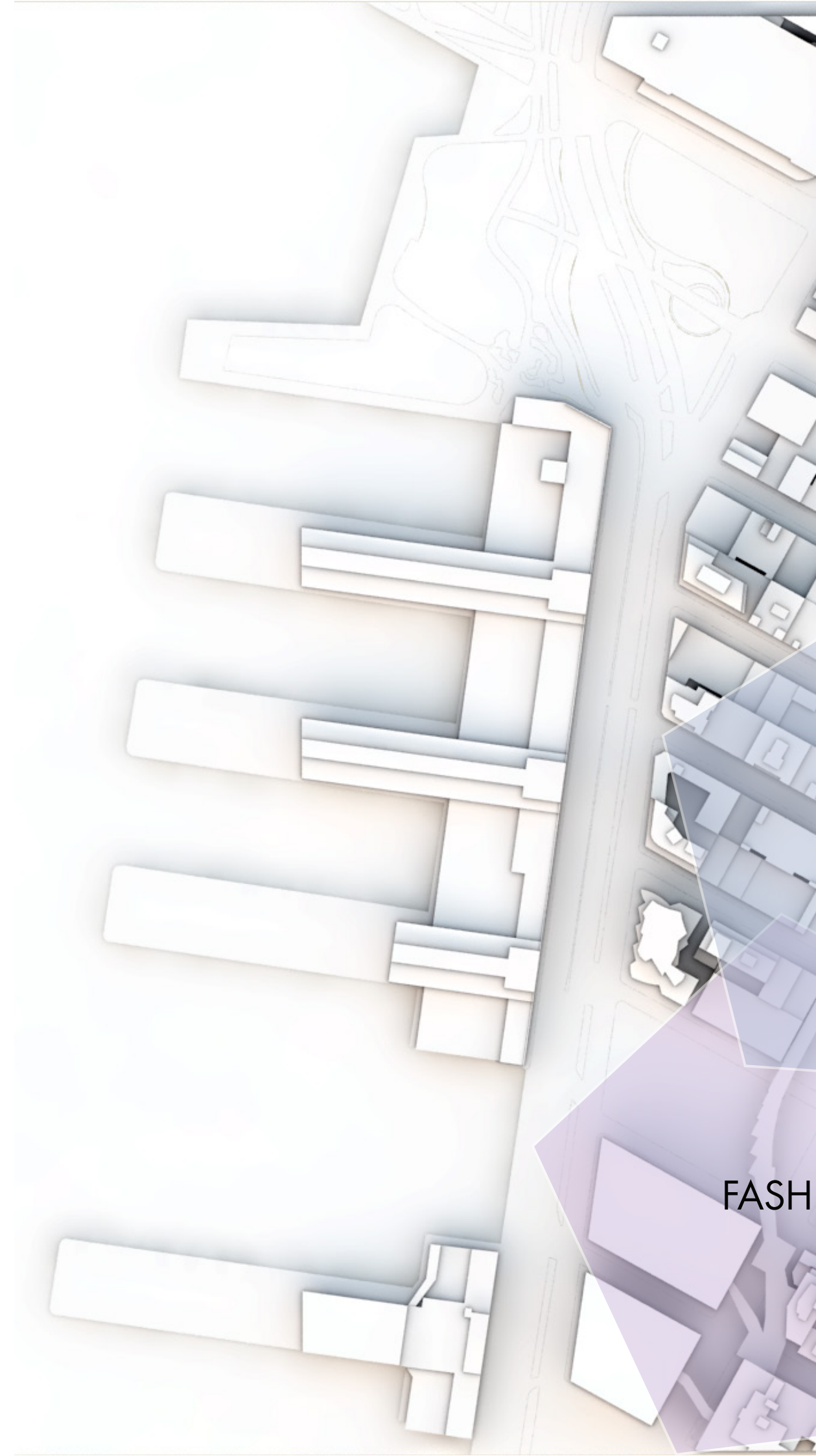




WHEN A BUSINESS MAN'S  
DAY DREAM



BECOMES A HIKER'S  
REALITY



FASH





BUSINESS

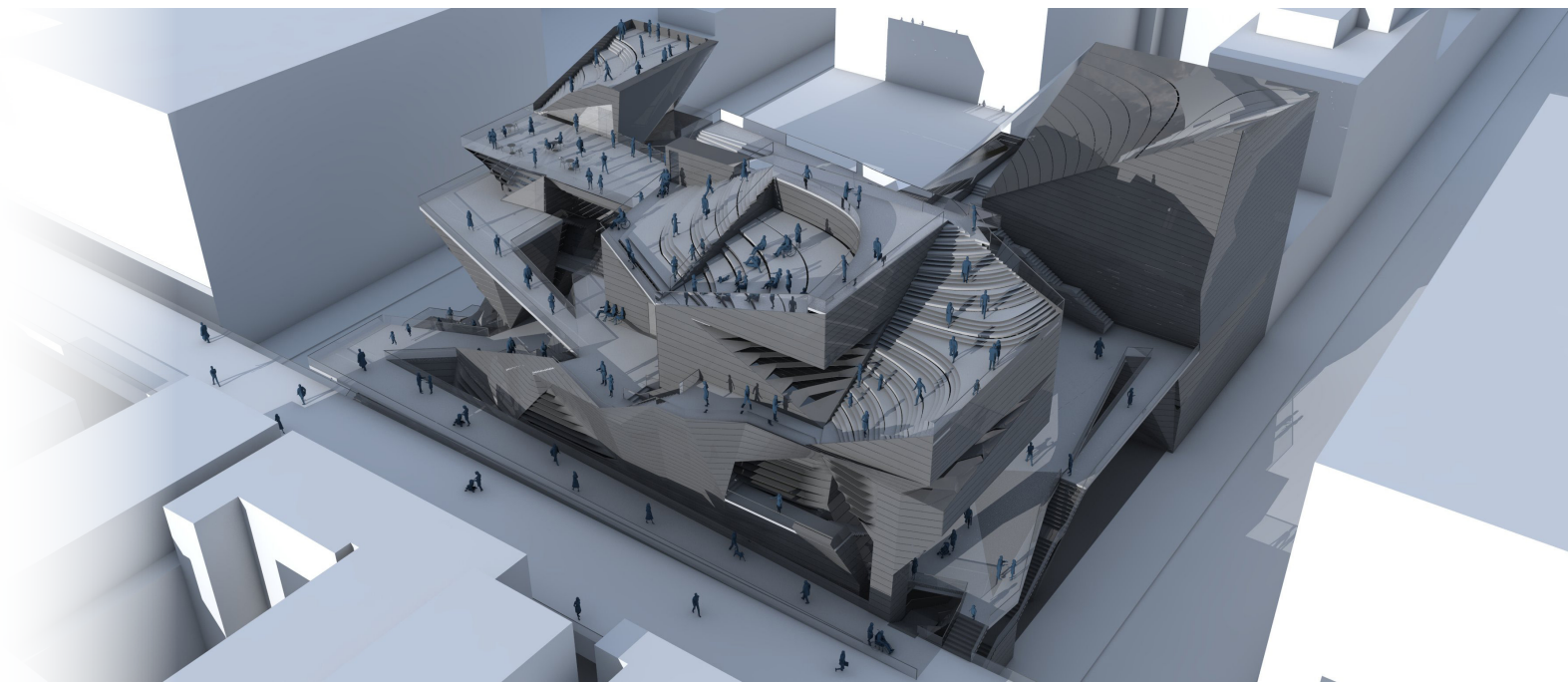
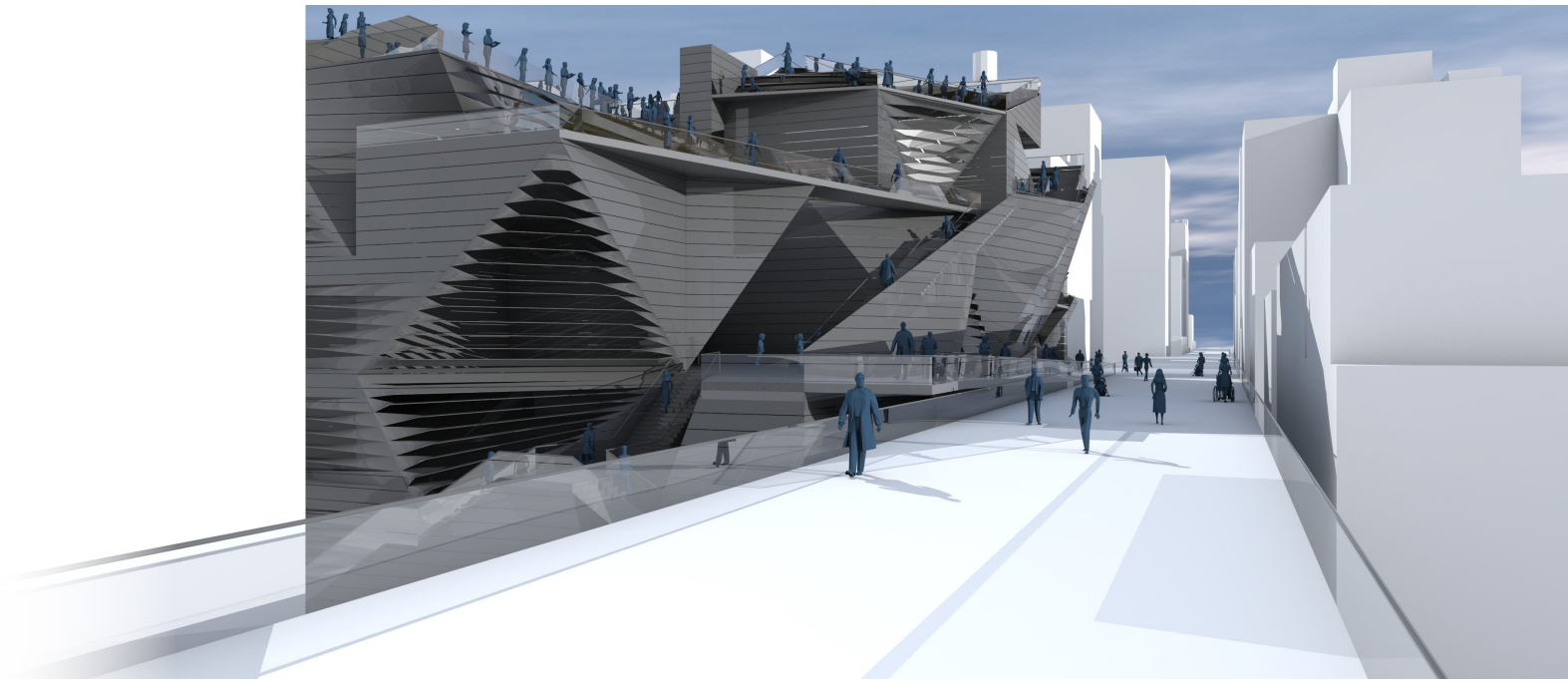
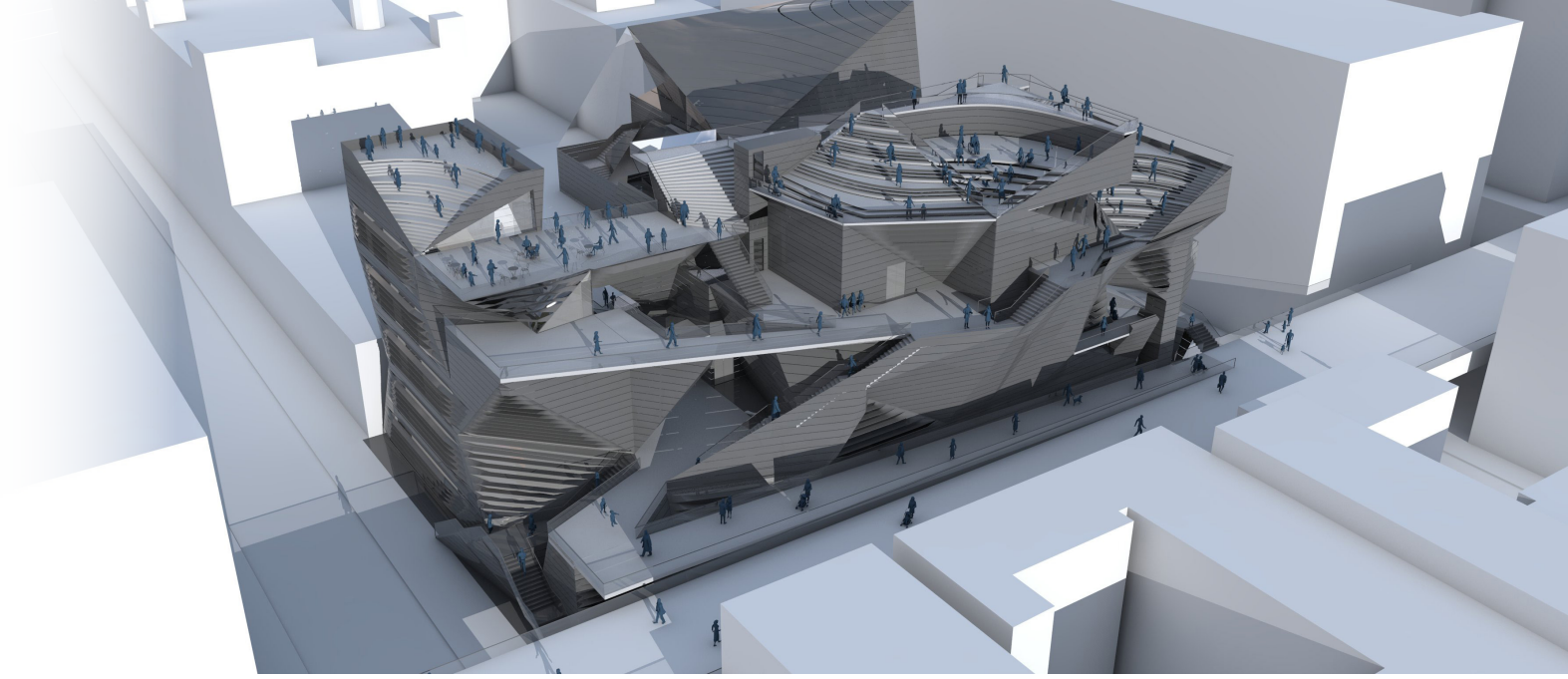
ARTS

FOOD

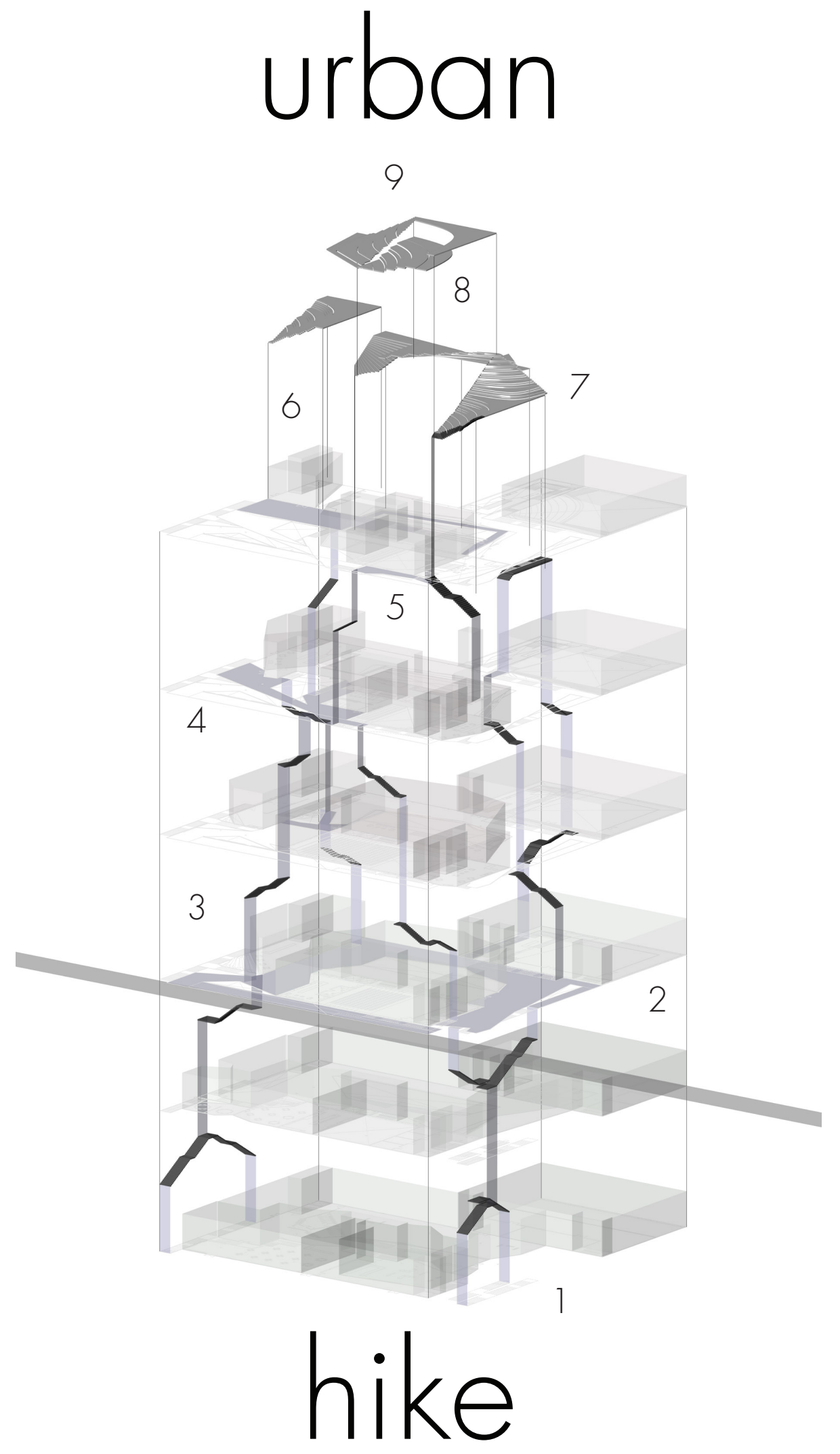
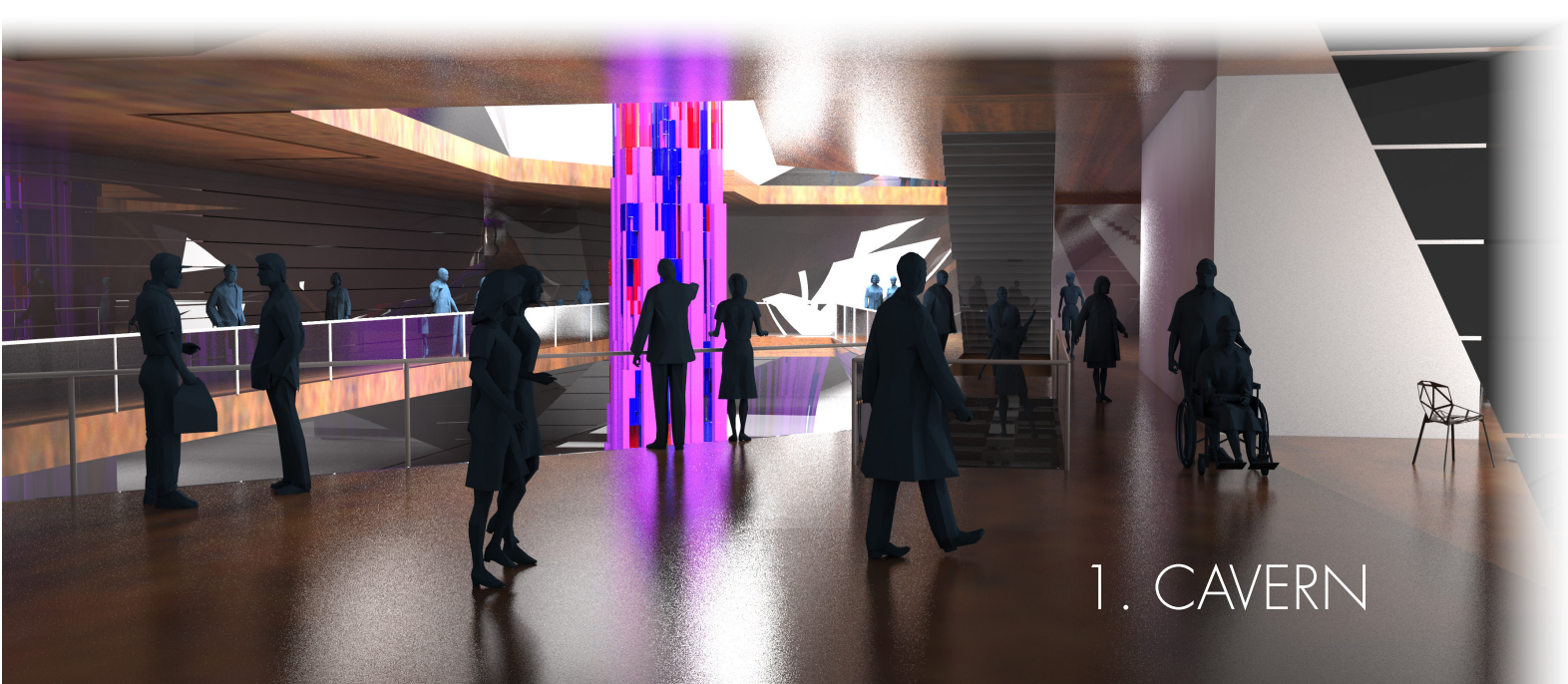
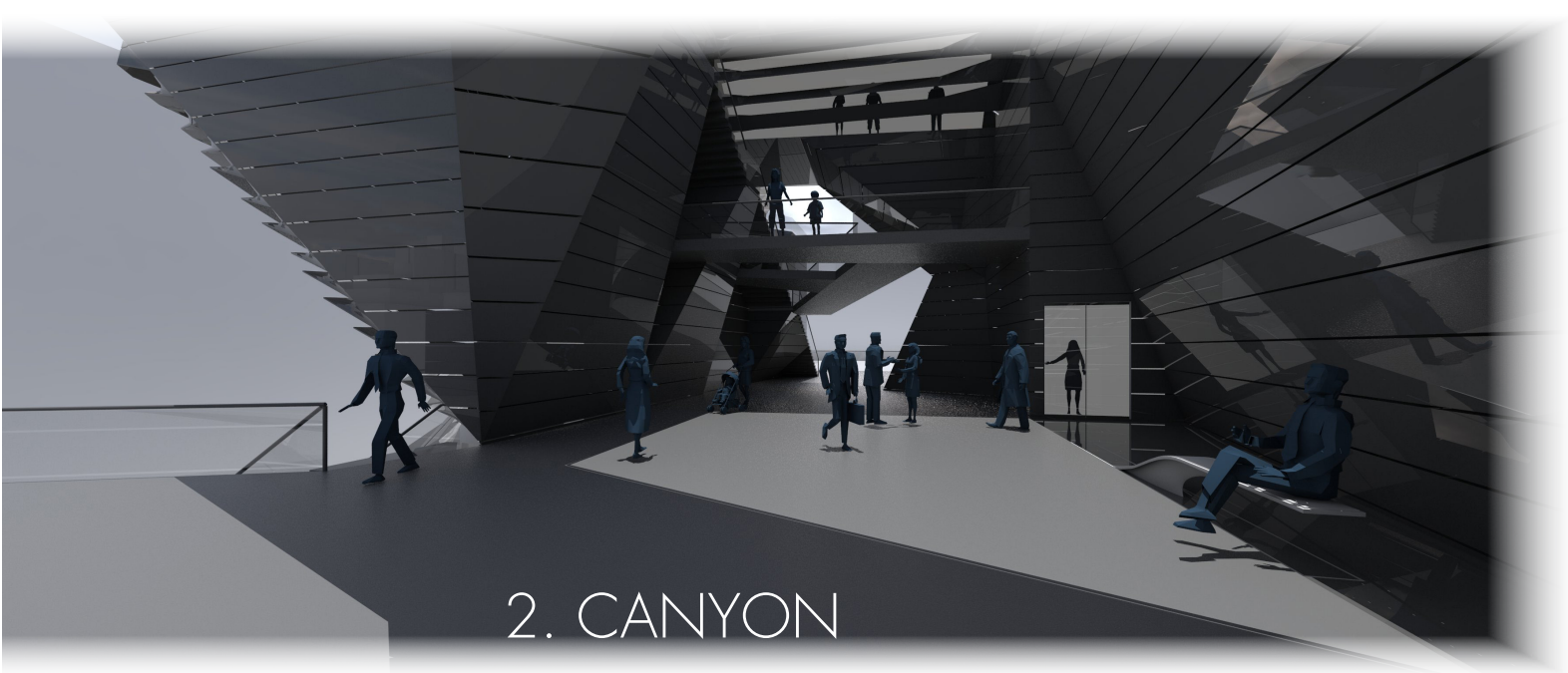
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SCALE: 1:1000

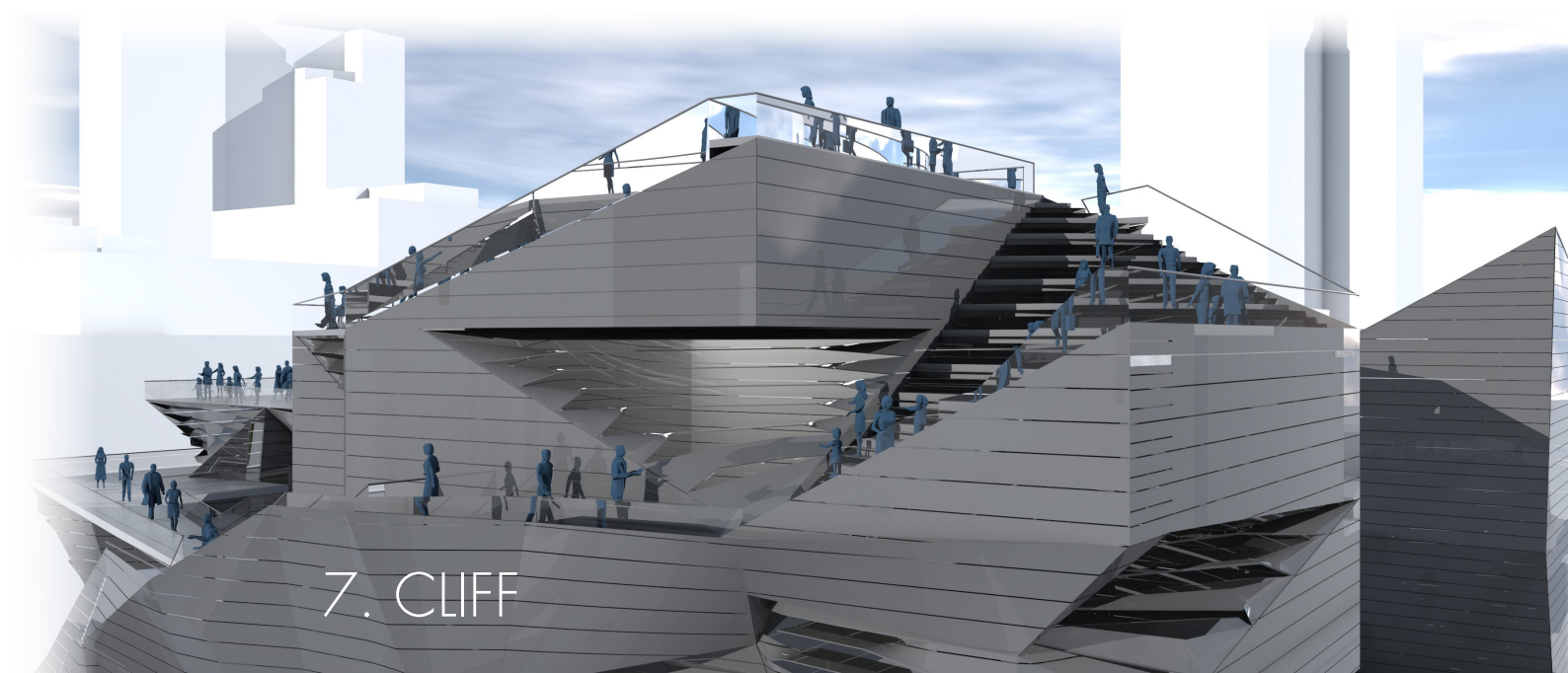
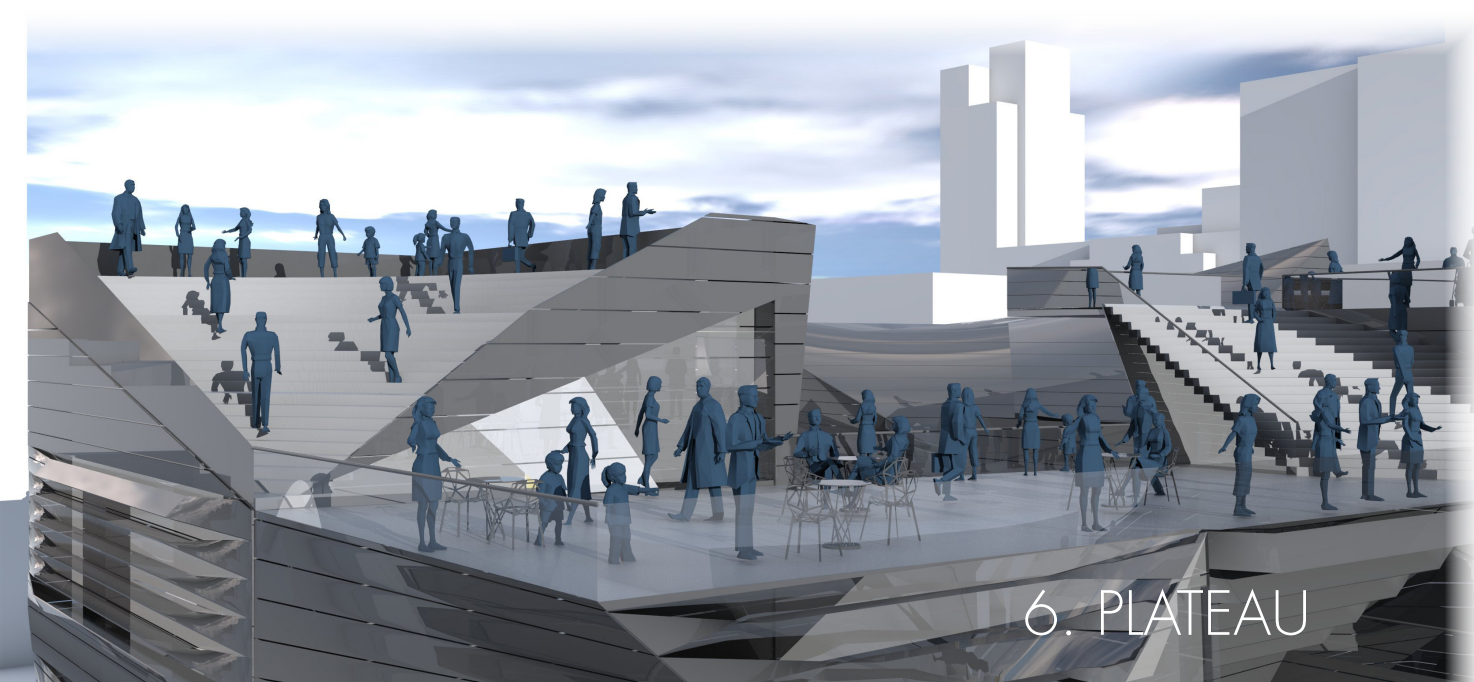
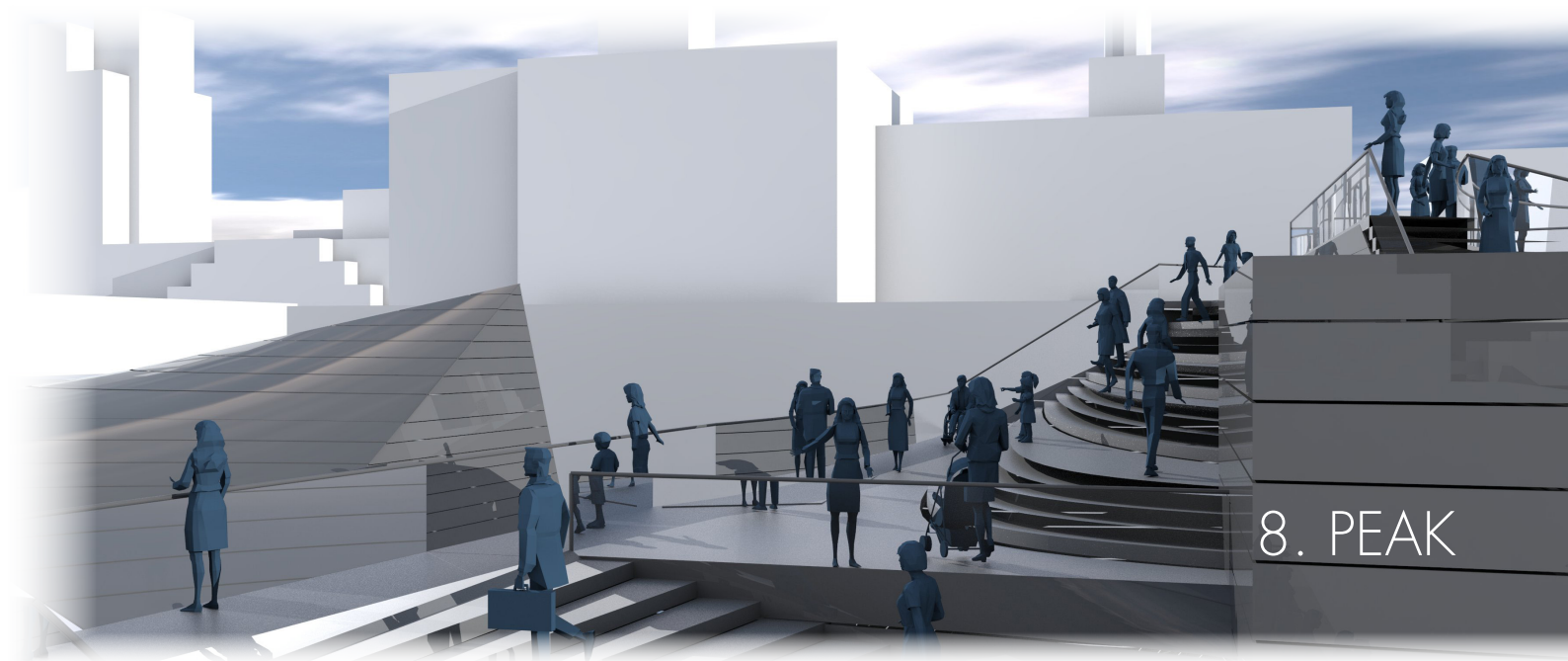
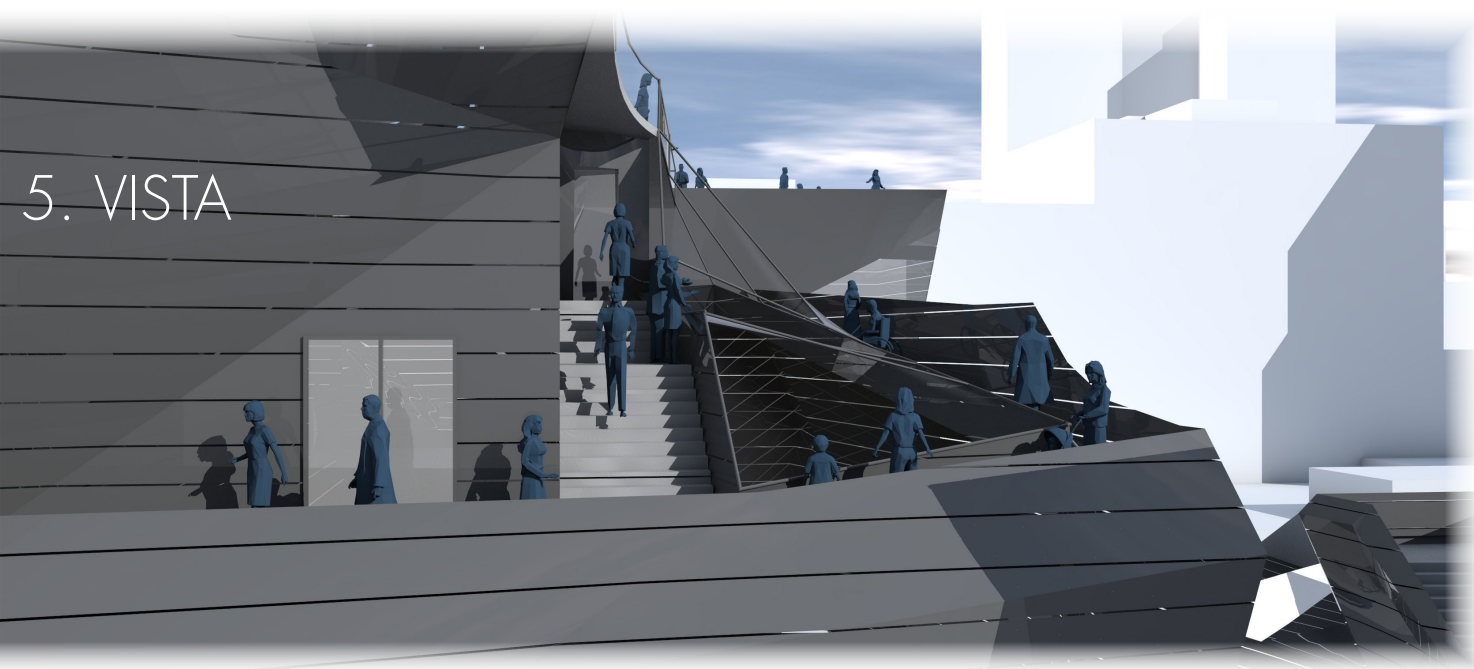
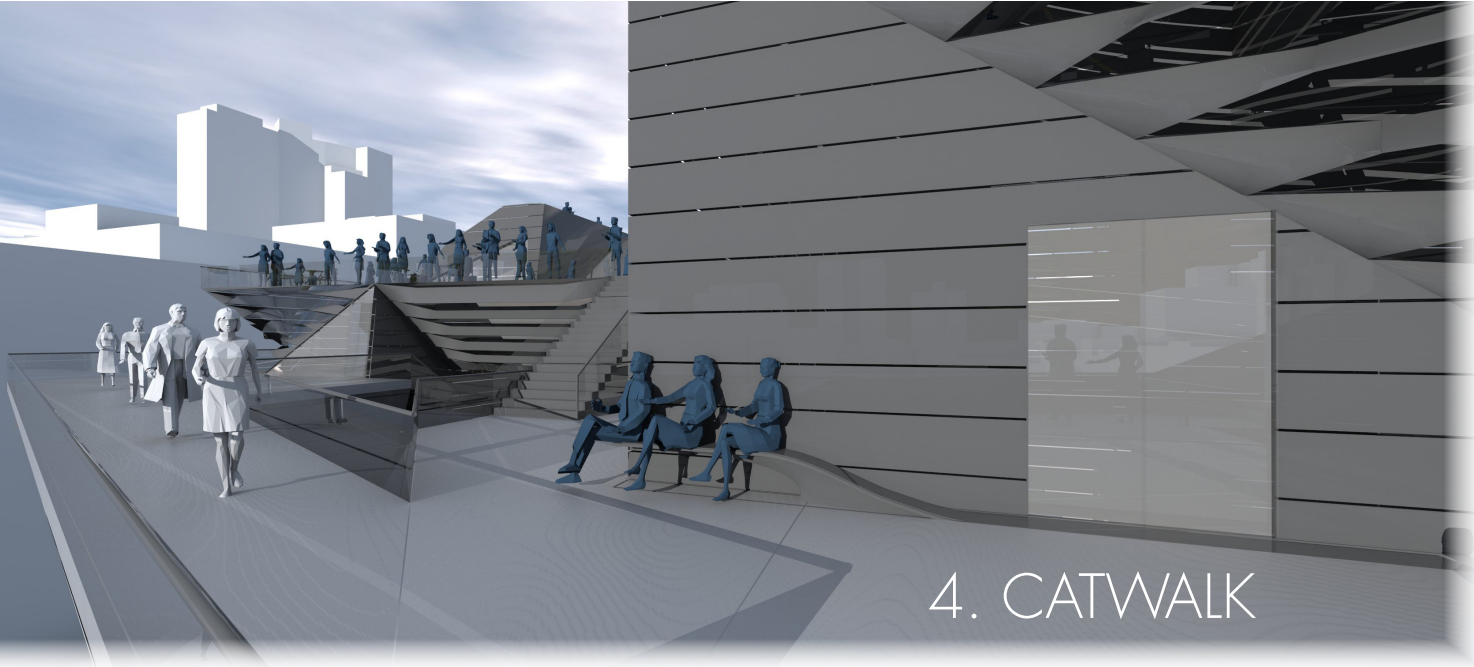
# HORIZONTAL ELEVATOR



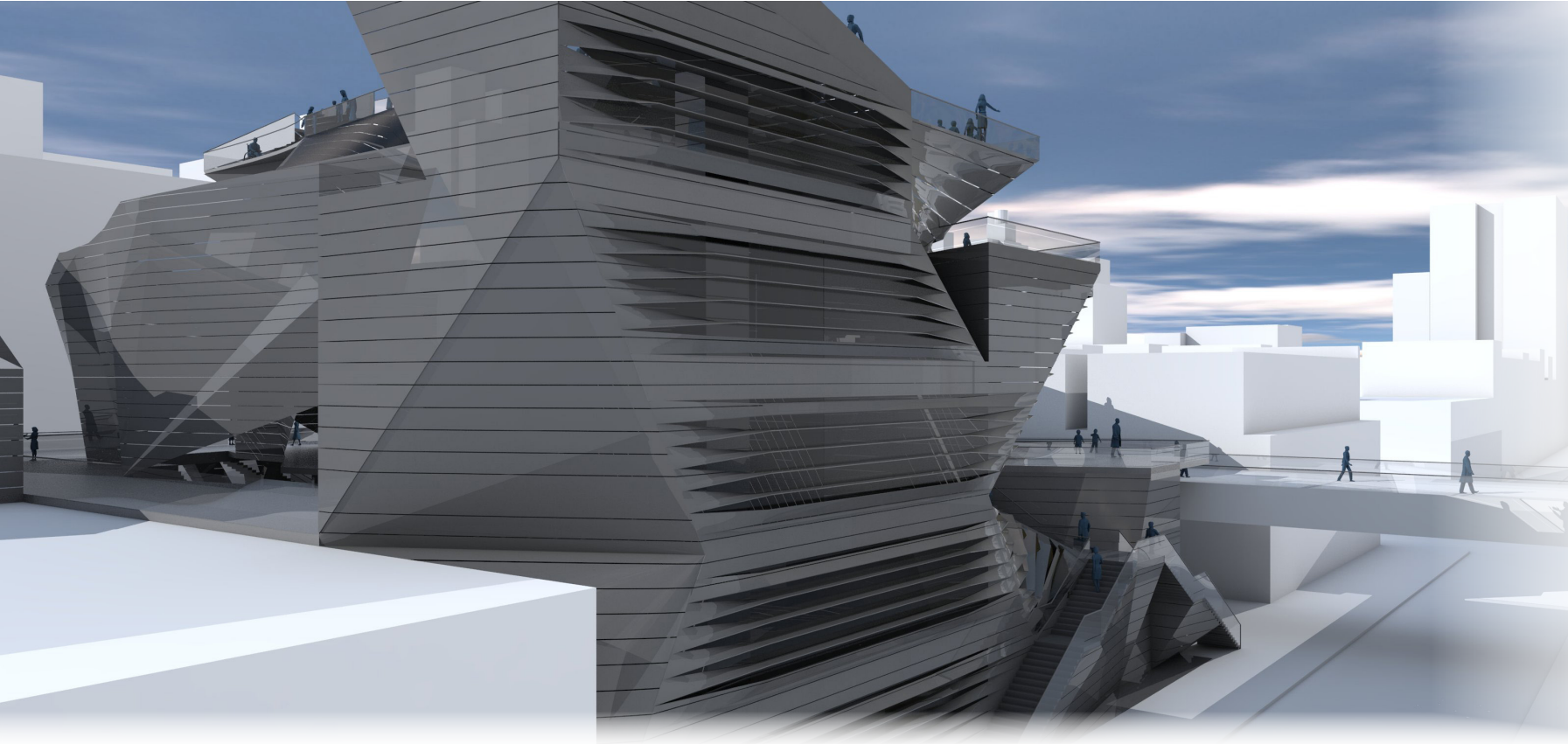




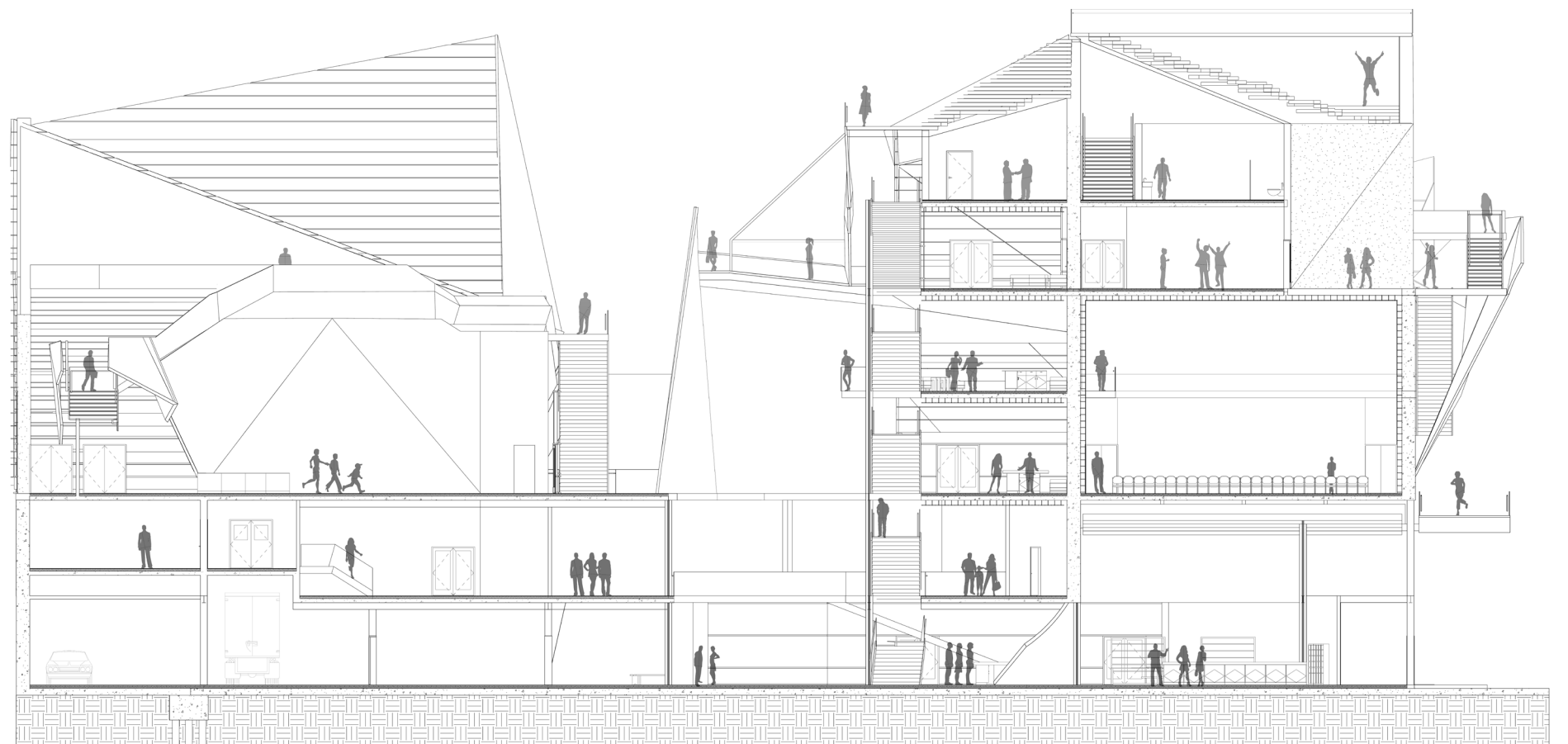
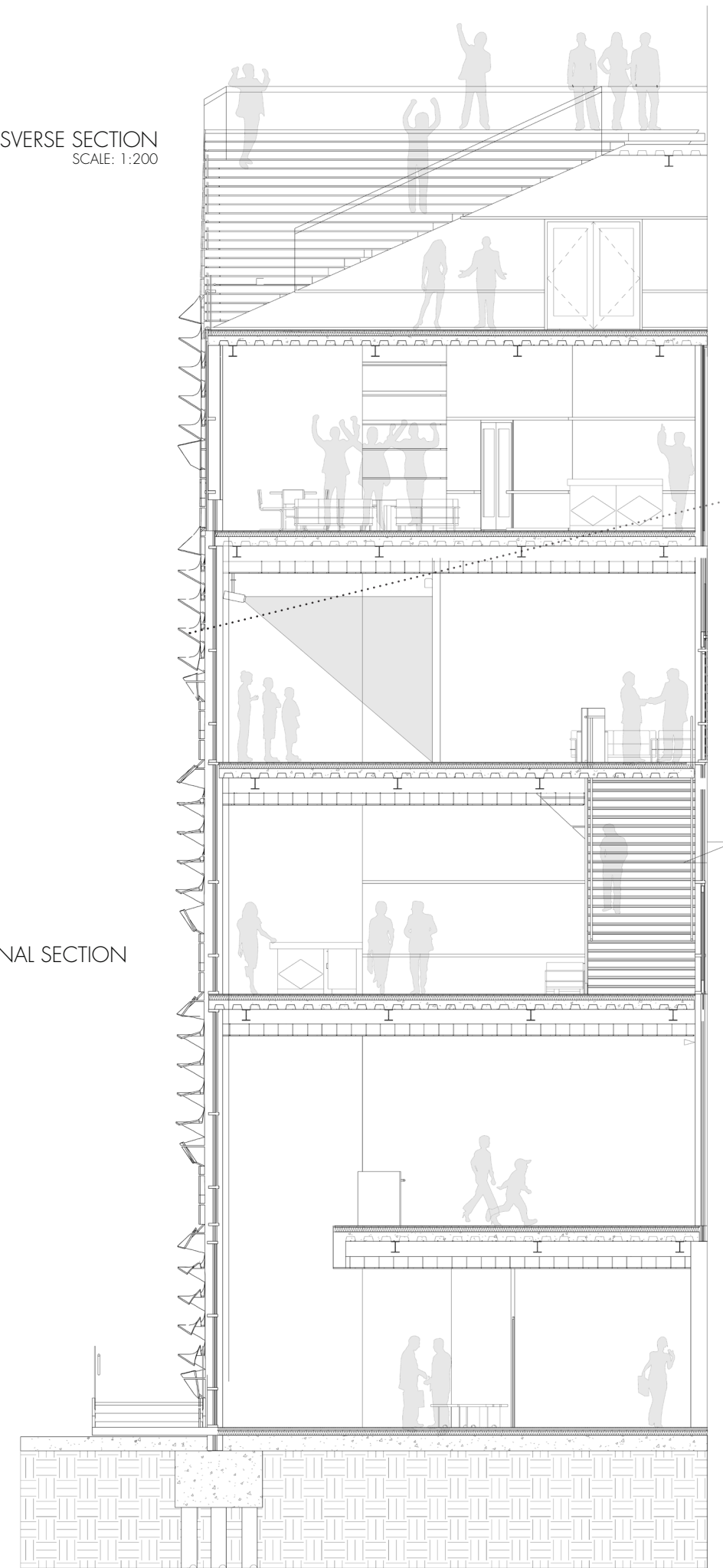






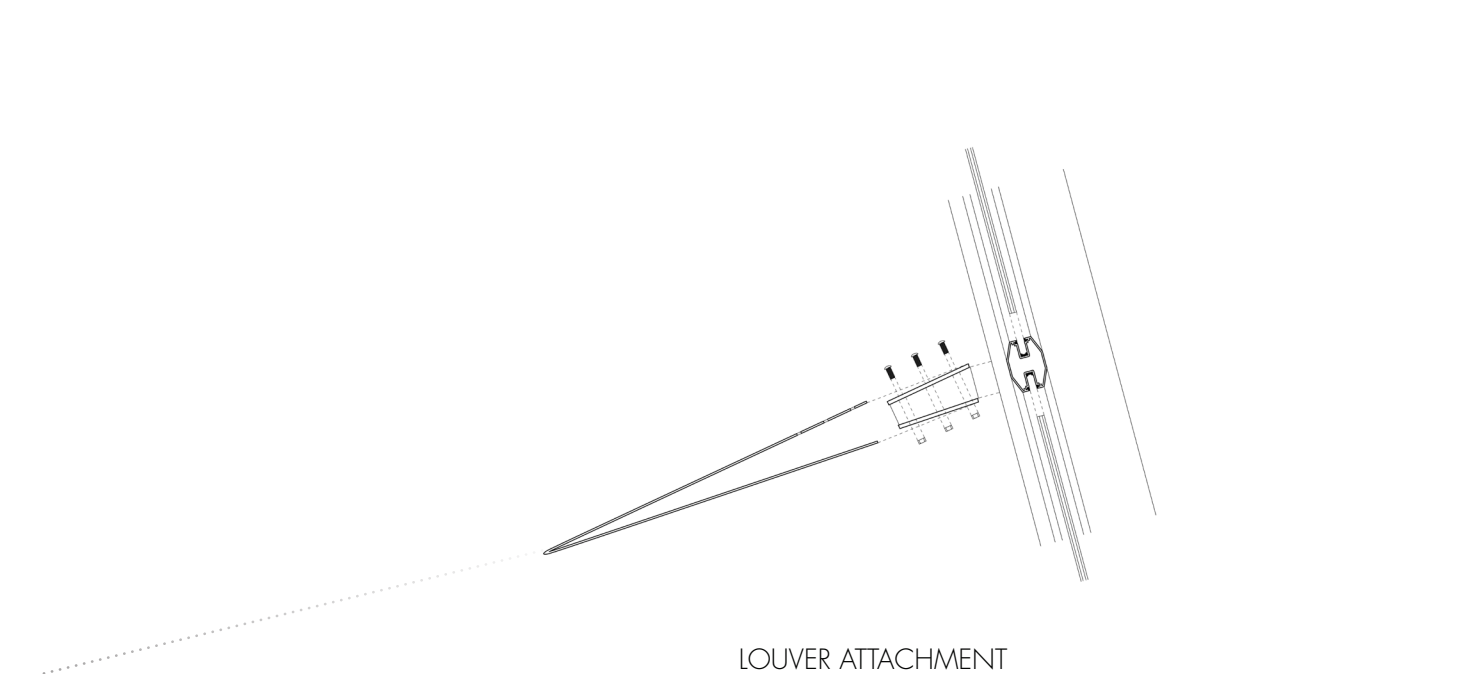


TRANSVERSE SECTION  
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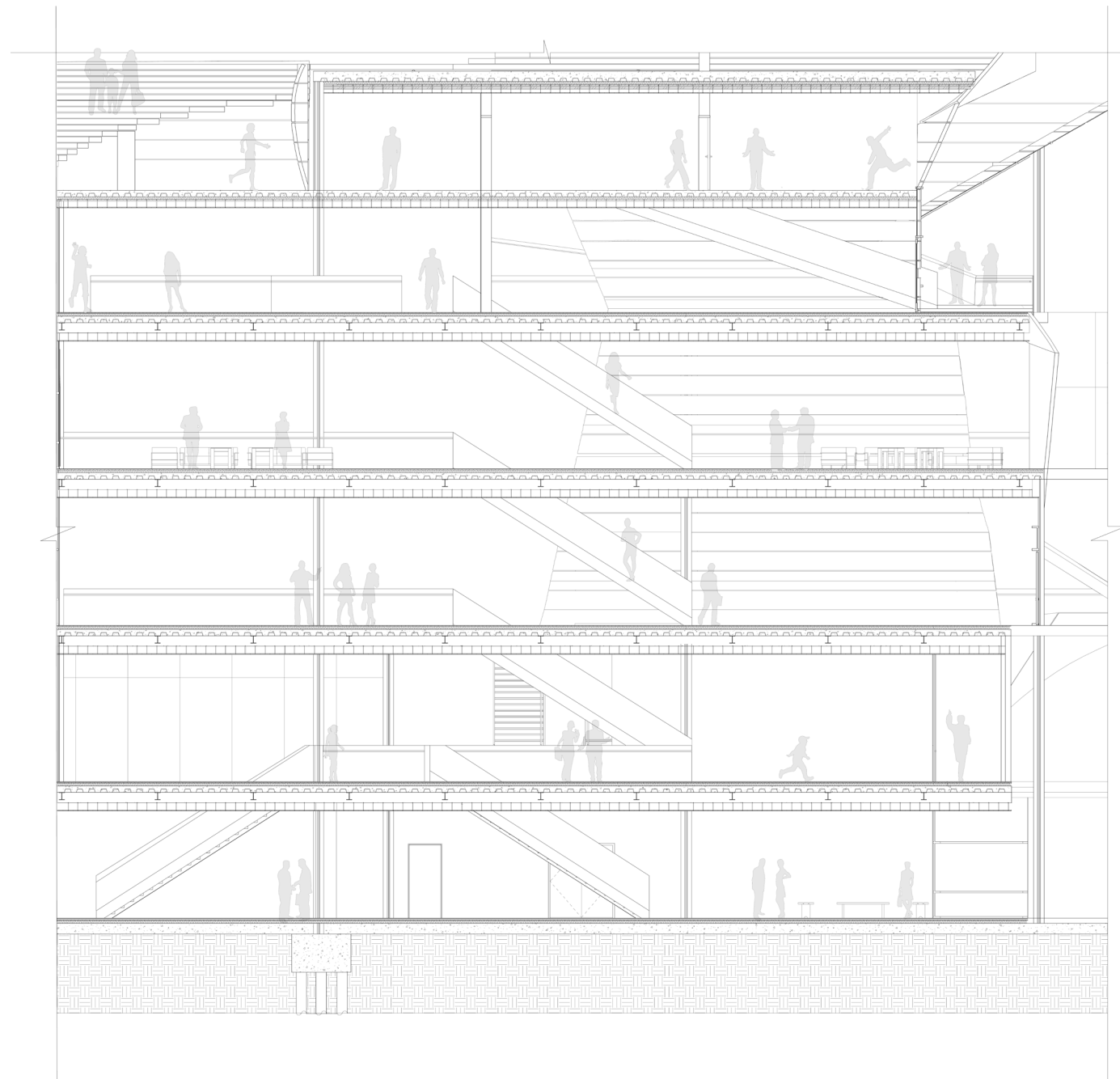


LONGITUDINAL SECTION  
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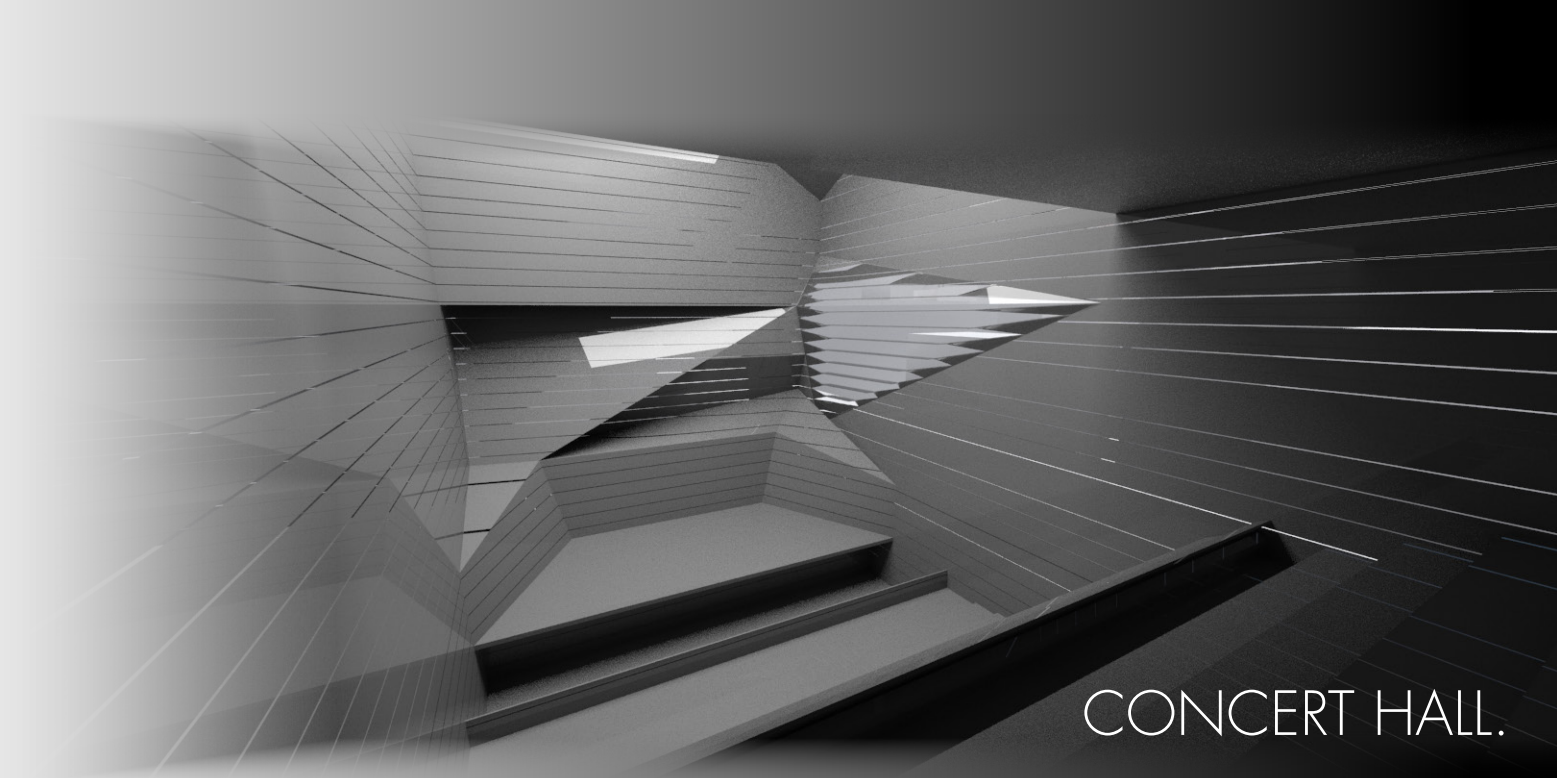




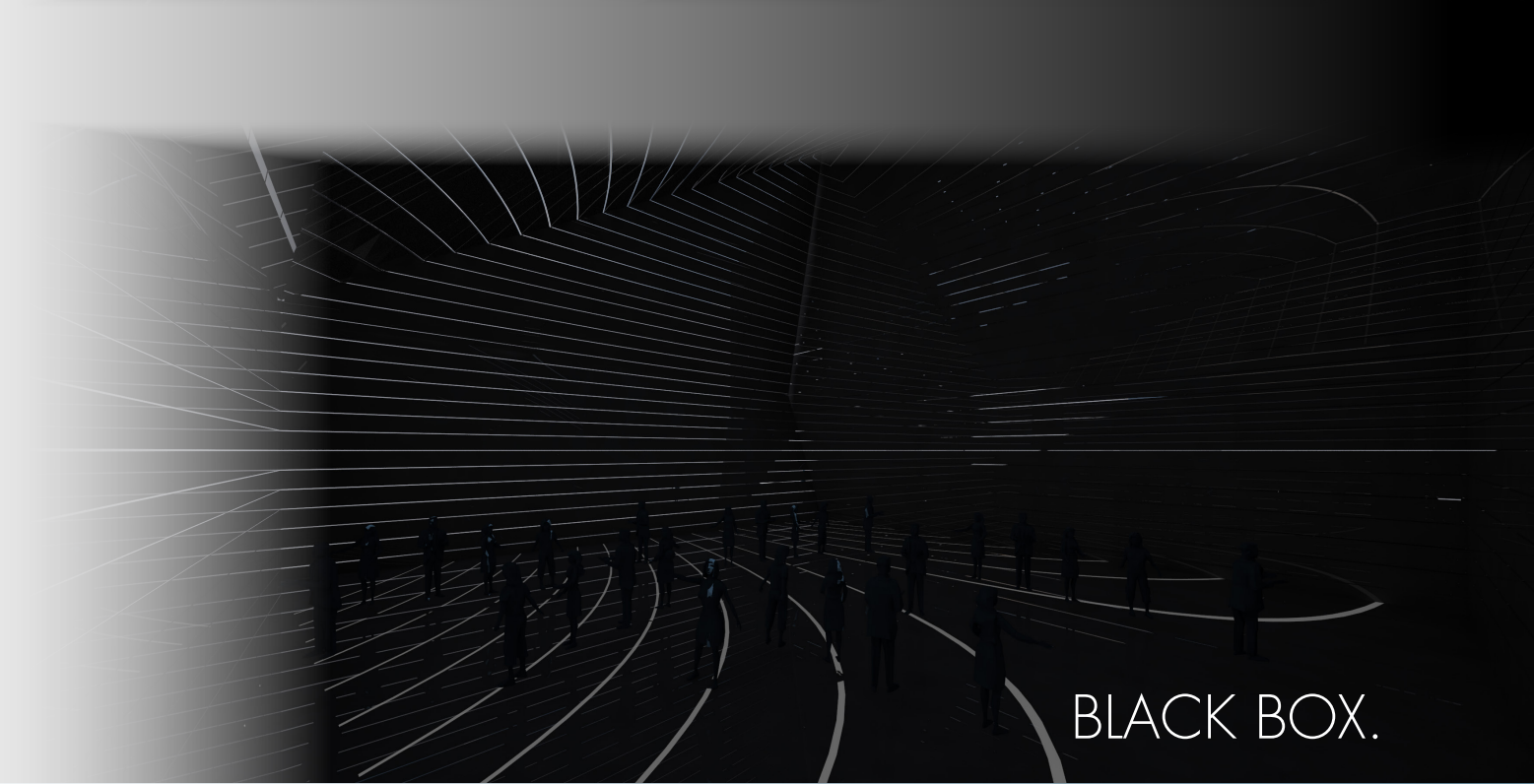
LOUVER ATTACHMENT



NIGHTLIFE.

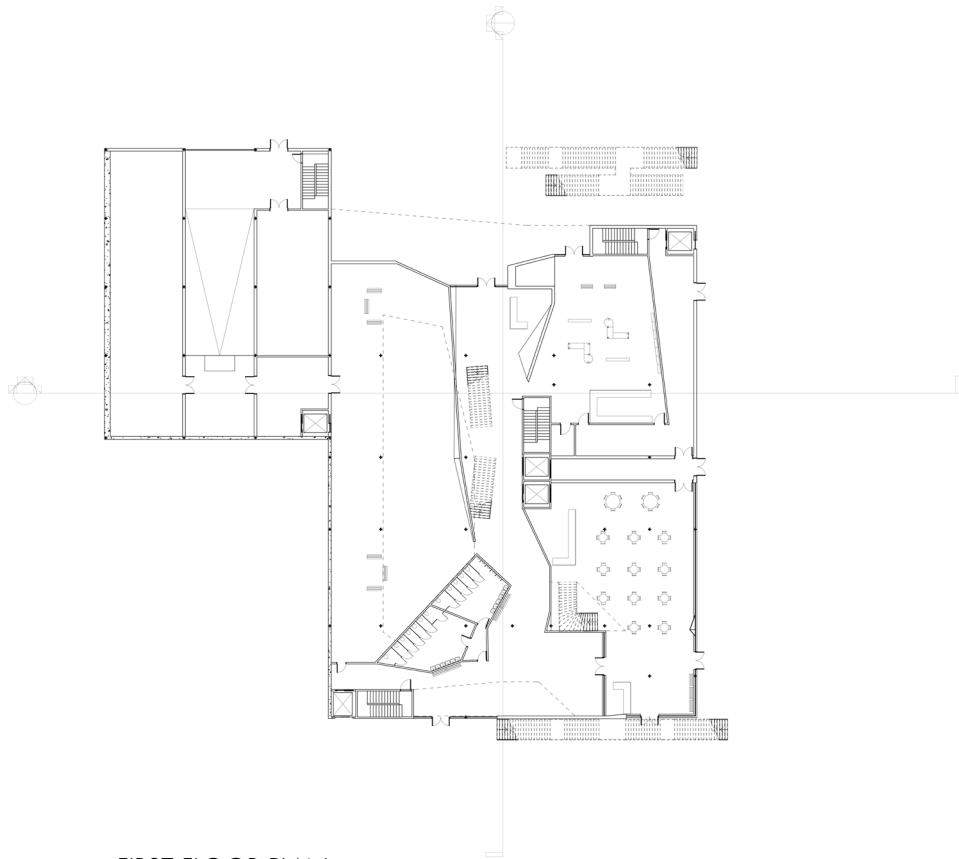


CONCERT HALL.

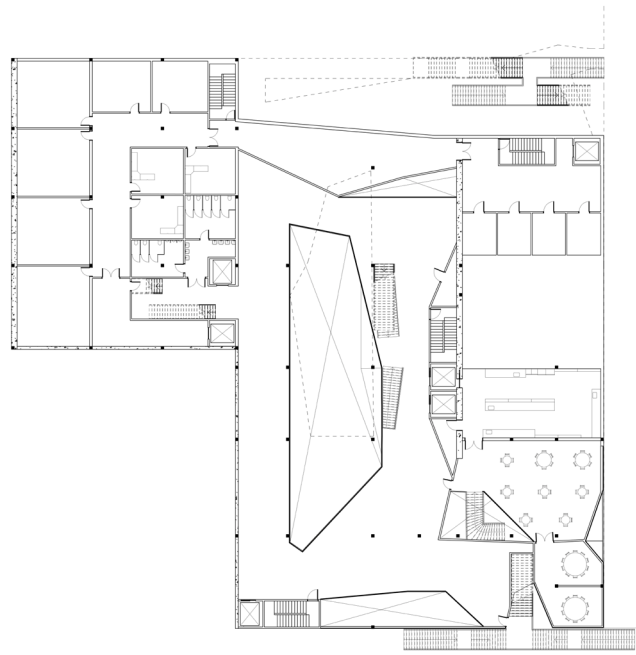


BLACK BOX.

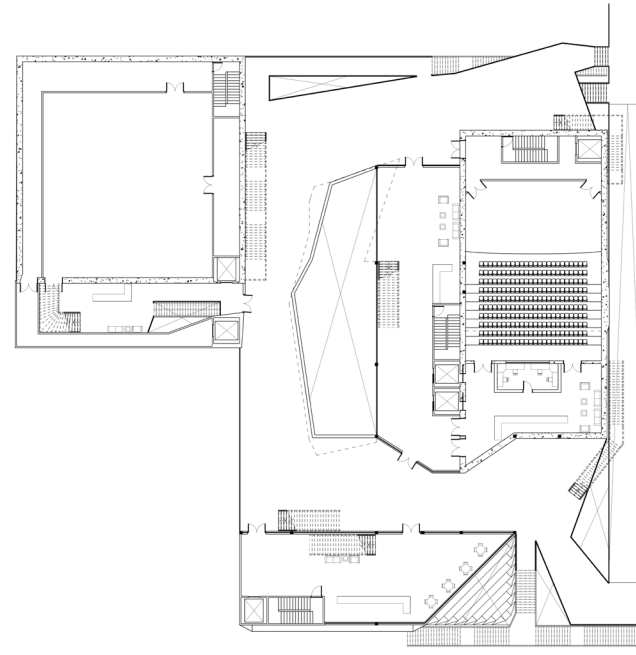




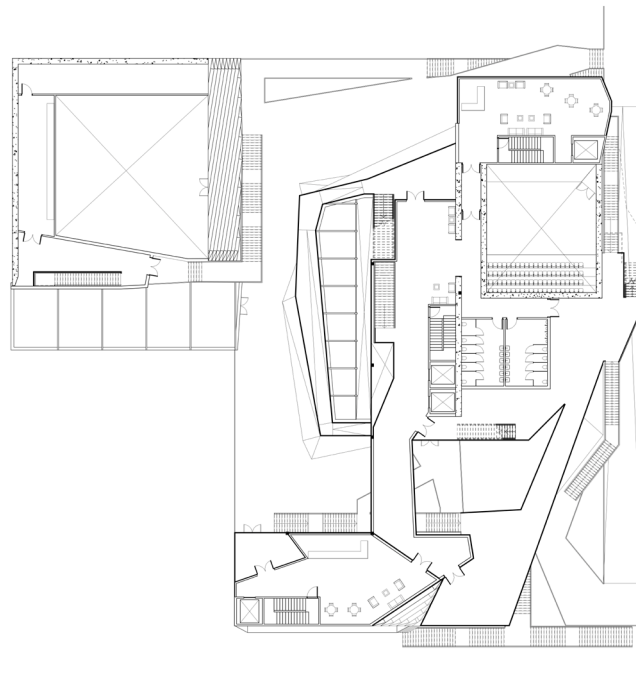
FIRST FLOOR PLAN  
SCALE: 1:200



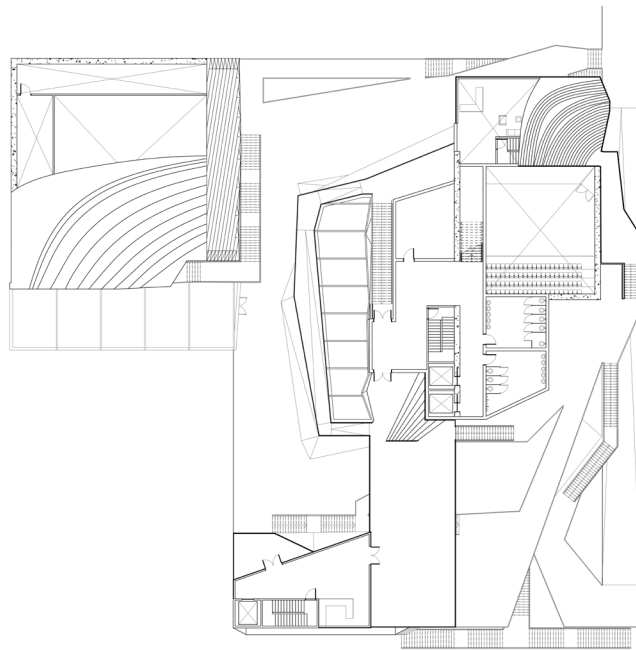
SECOND FLOOR PLAN  
SCALE: 1:200



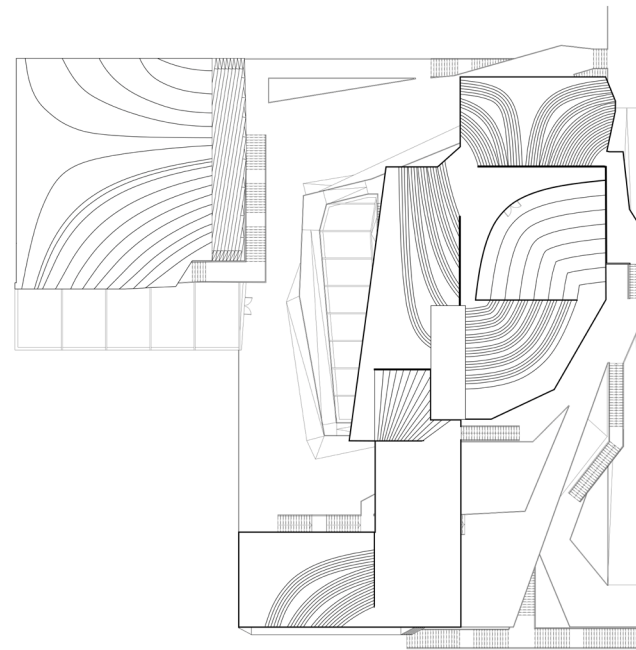
THIRD FLOOR PLAN  
SCALE: 1:200



FIFTH FLOOR PLAN  
SCALE: 1:200

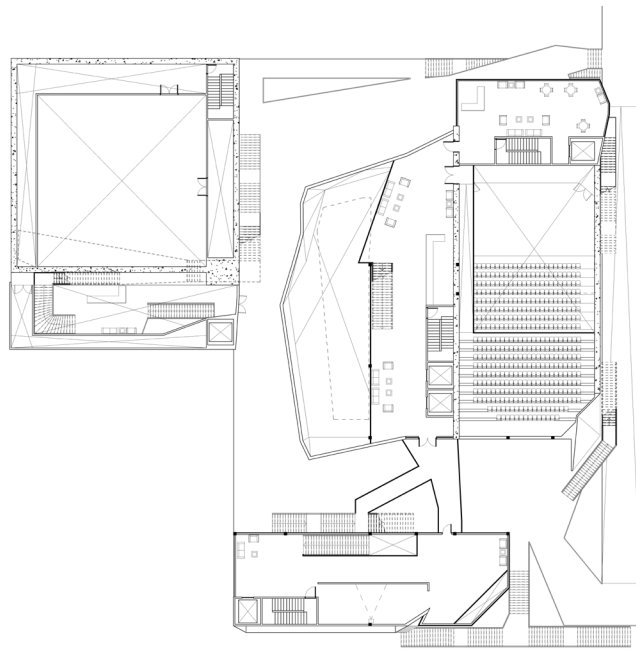


SIXTH FLOOR PLAN  
SCALE: 1:200



ROOF PLAN  
SCALE: 1:200

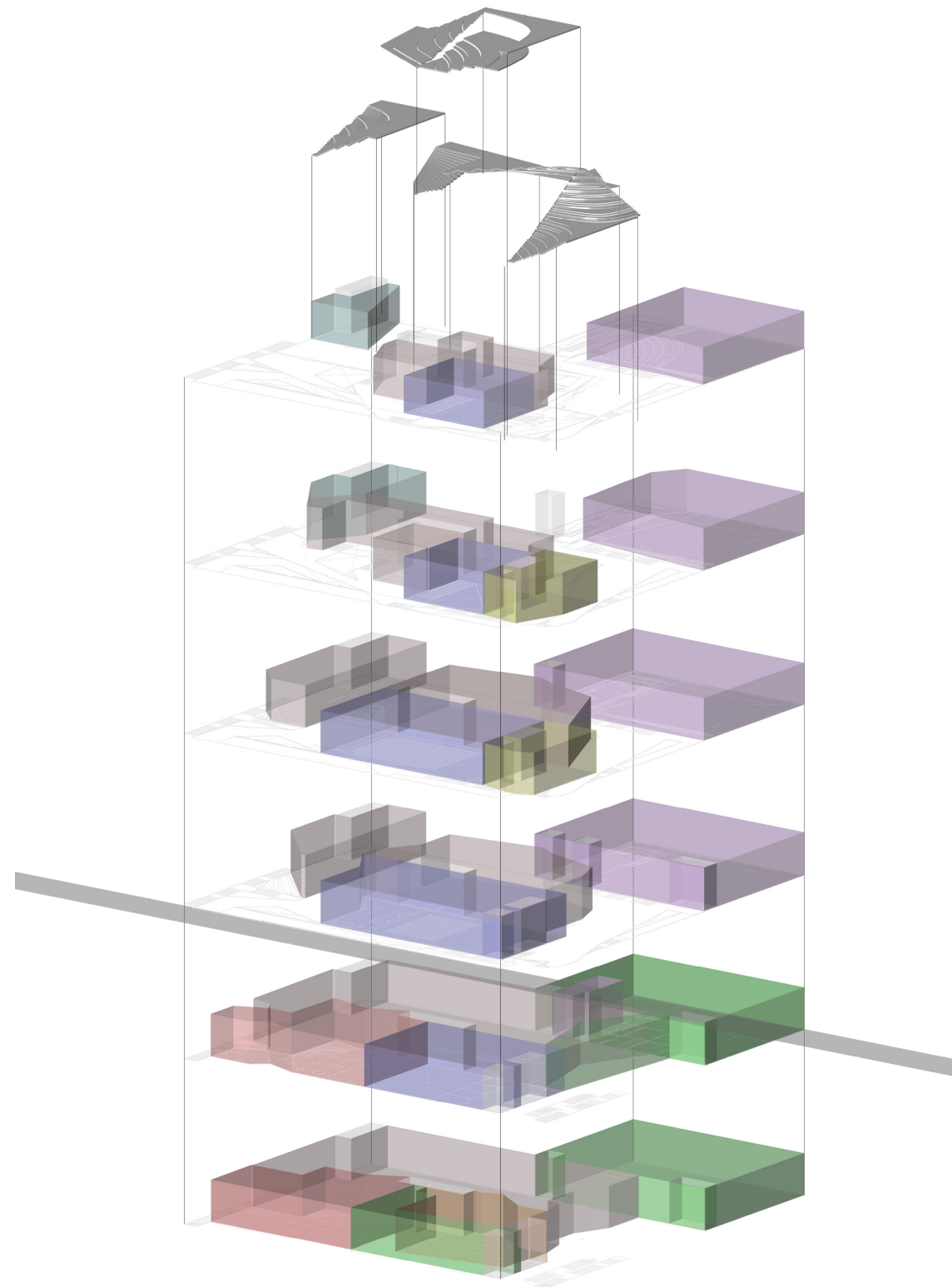




FOURTH FLOOR PLAN  
SCALE: 1:200



TOPOGRAPHIC DIAGRAM



- WHITE BOX
- CONCERT HALL
- BLACK BOX
- MOLECULAR GASTRONOMY
- BACK OF HOUSE
- GIFT SHOP
- PATRON'S SUITE
- ROOFTOP BAR

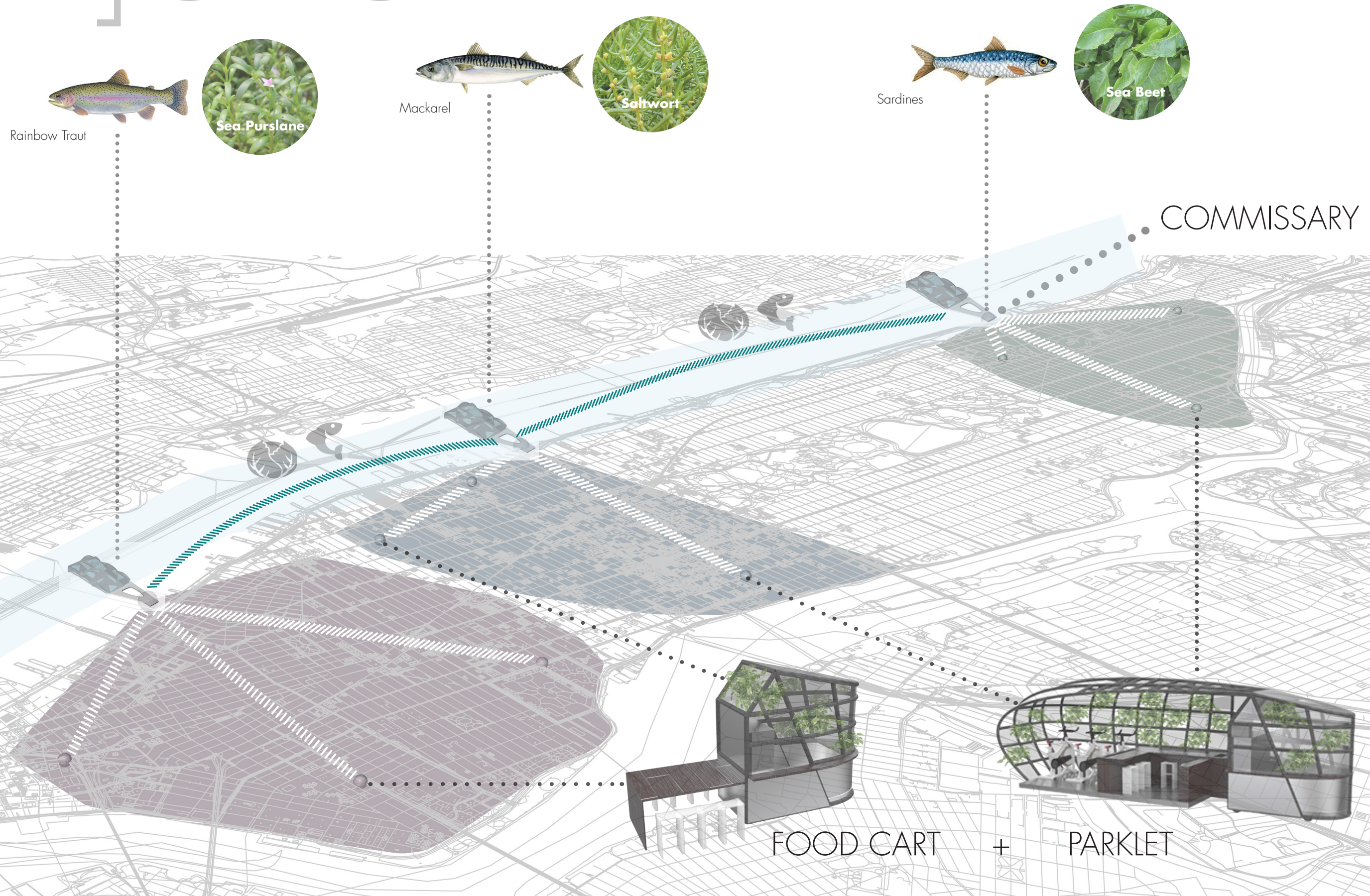
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program

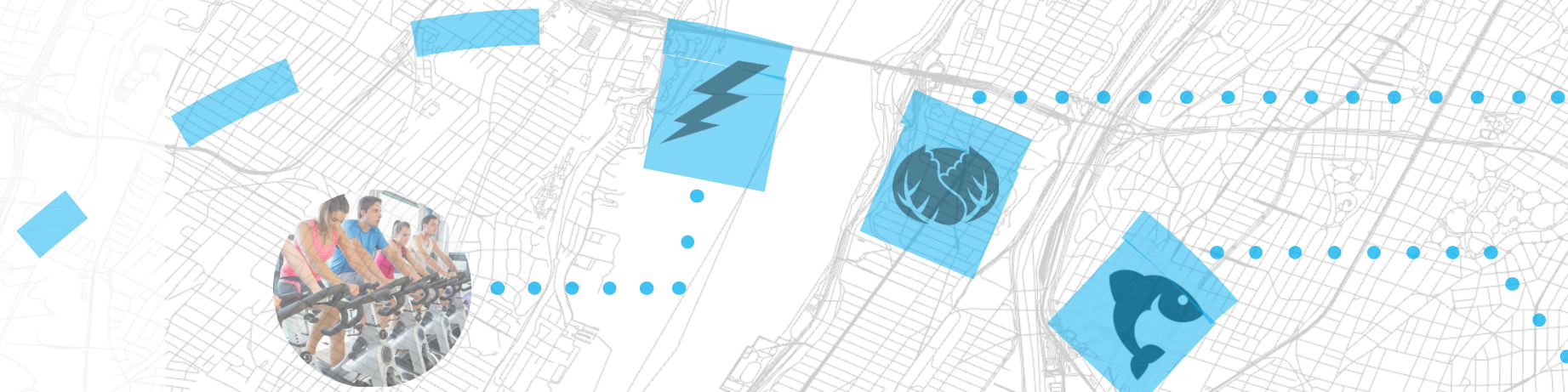
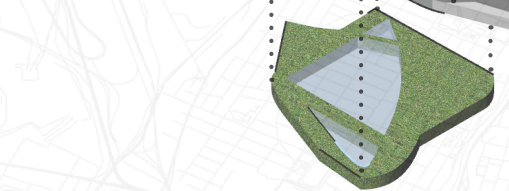
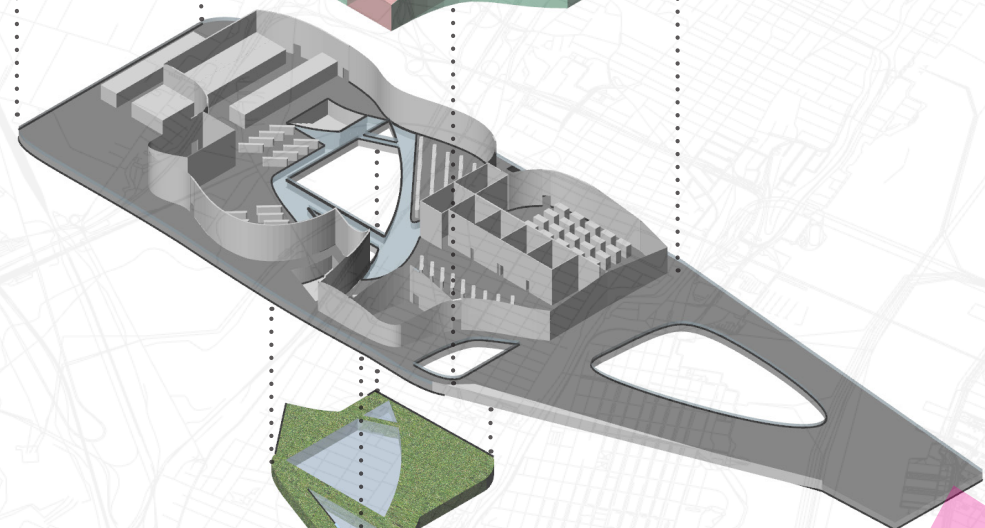
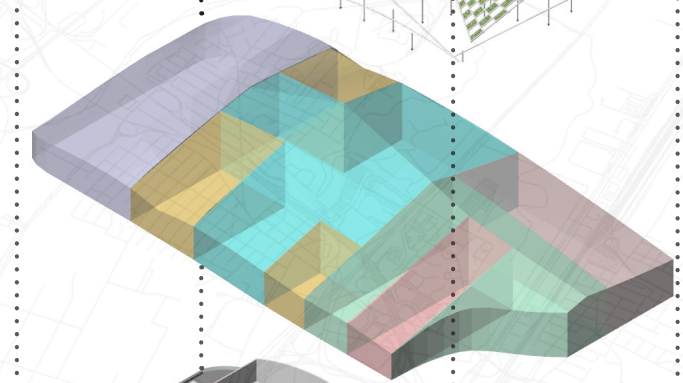
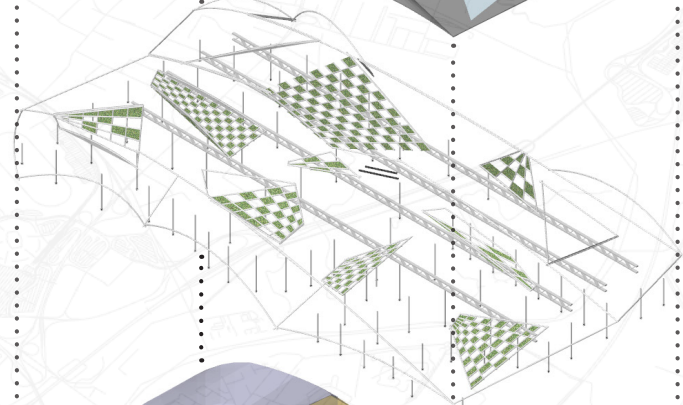


# [LIFE]CYCLE

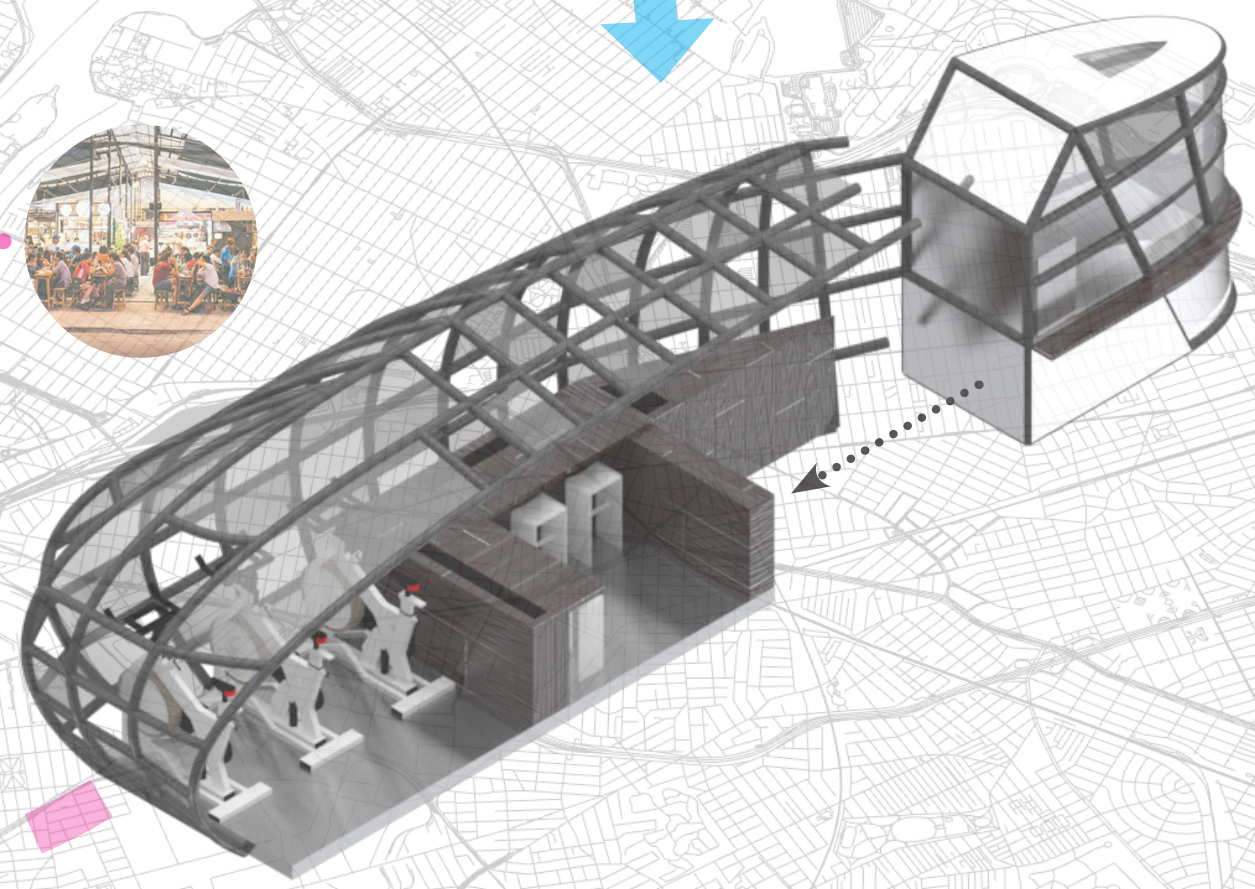
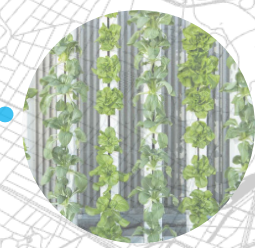
**GOAL:** To design a mutually symbiotic food cart and commissary system that stimulates community involvement while promoting health and ecological awareness to the city of Manhattan.



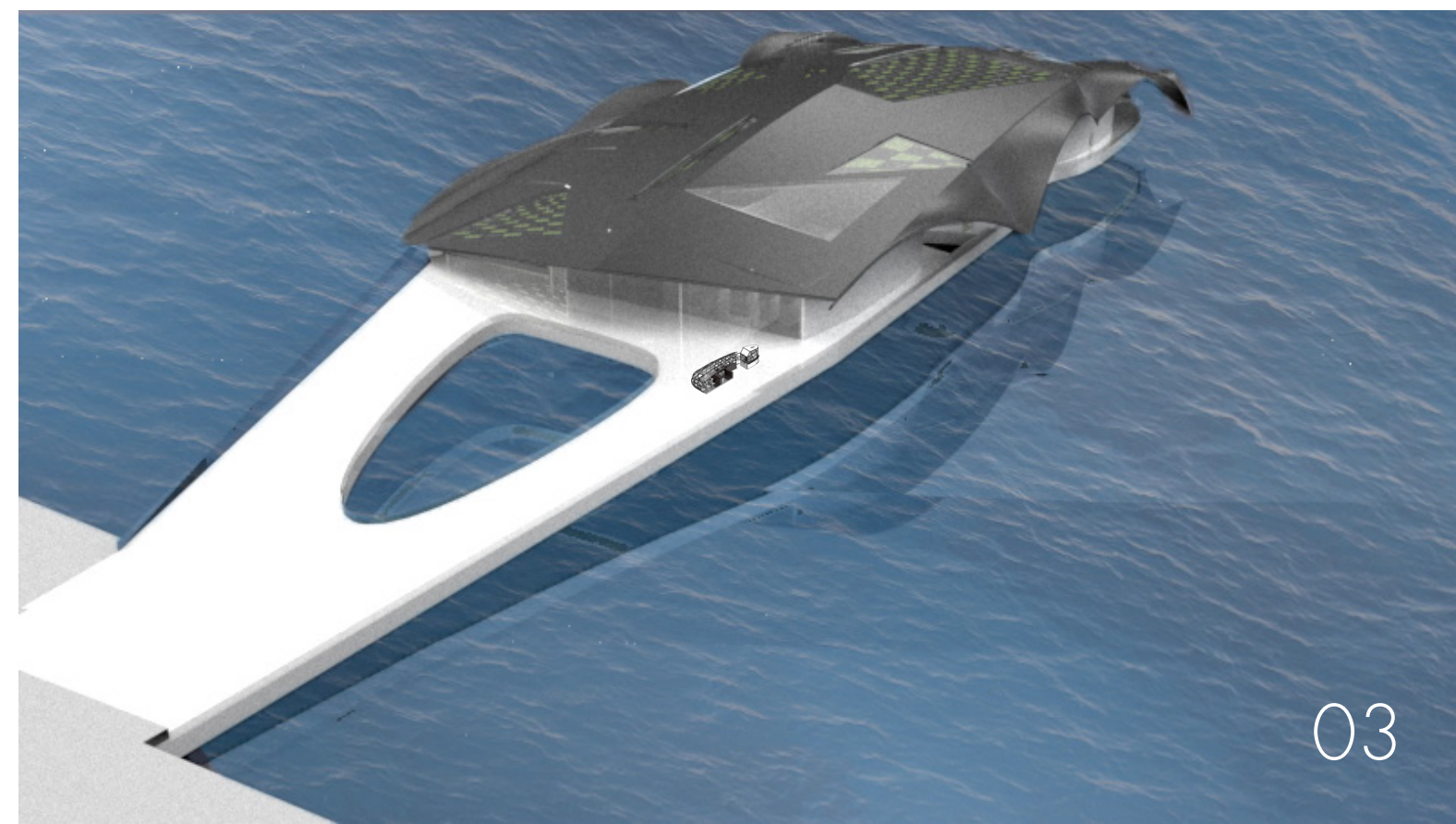
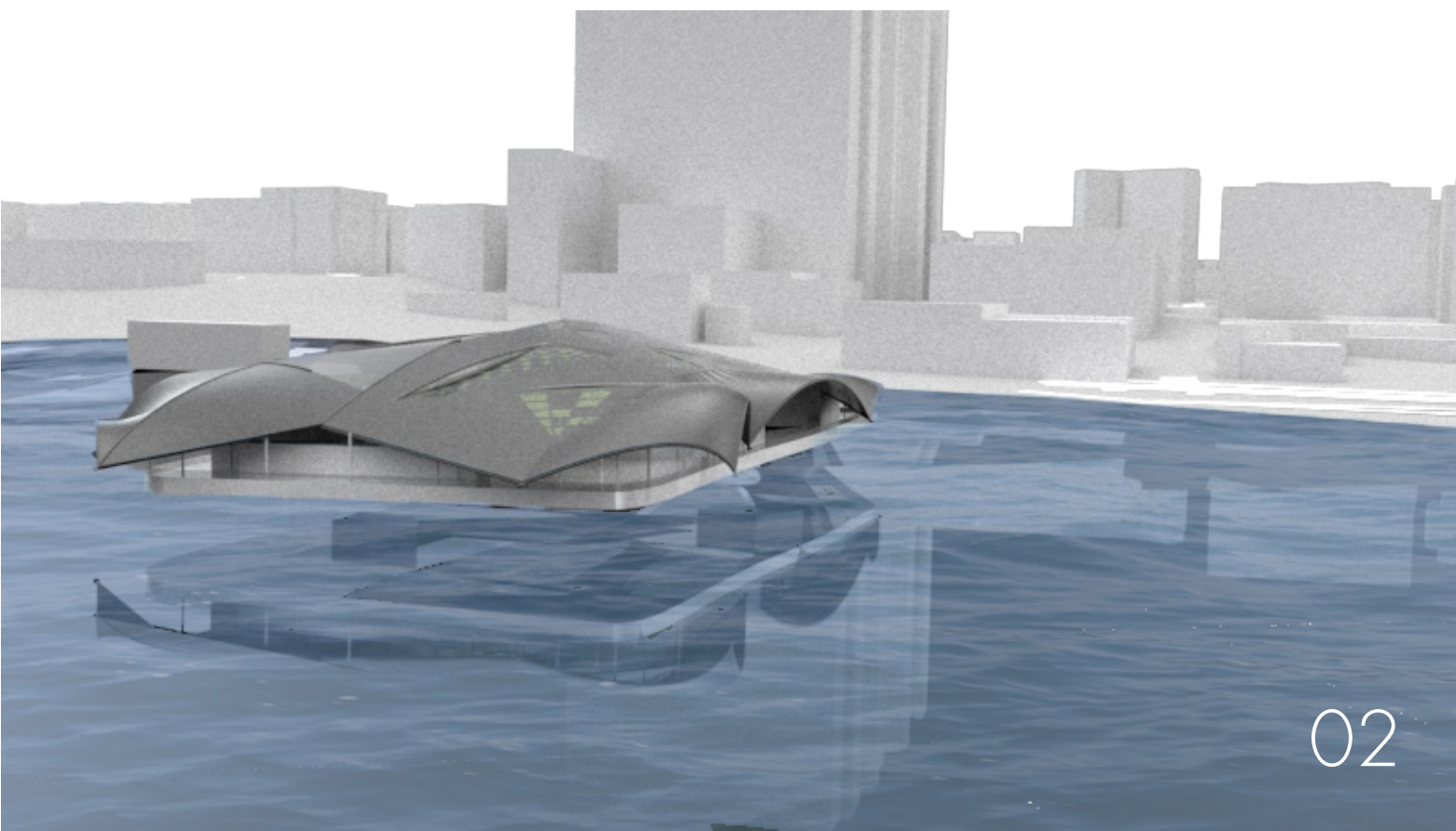
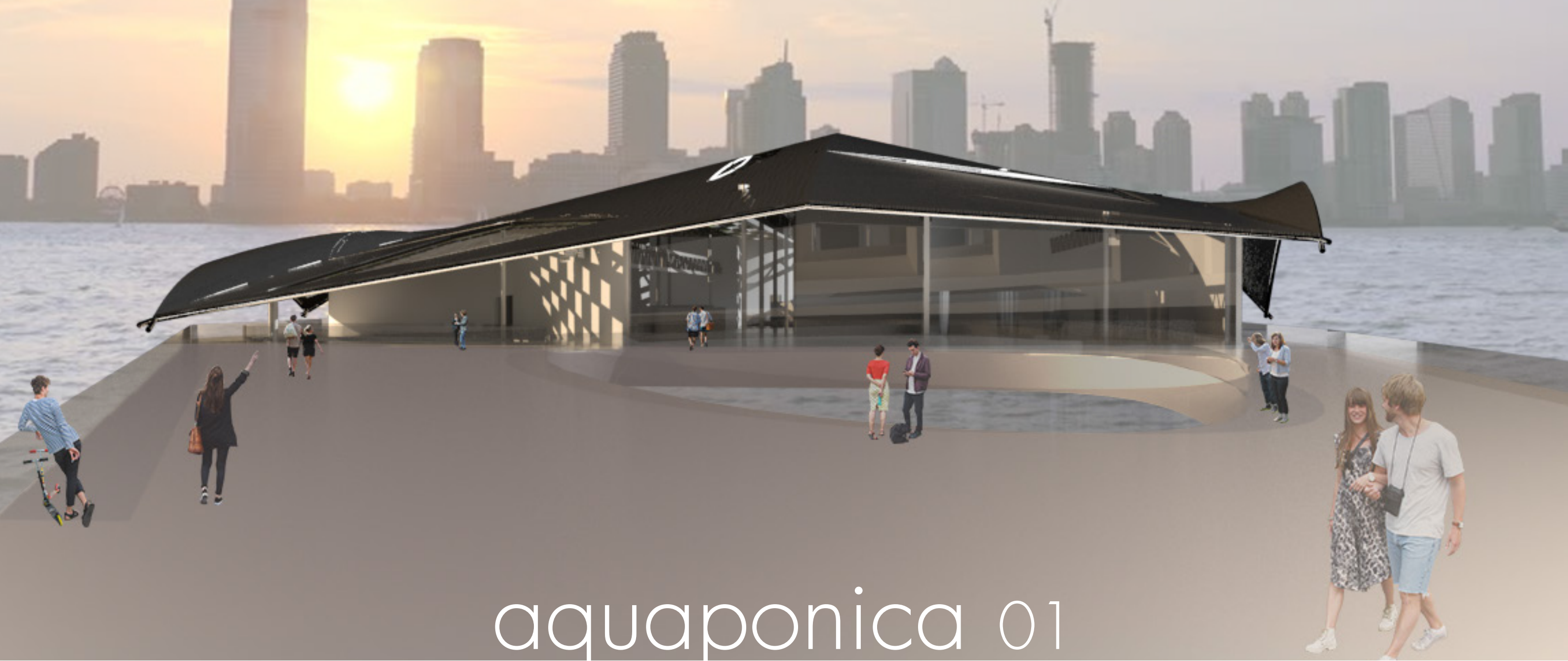




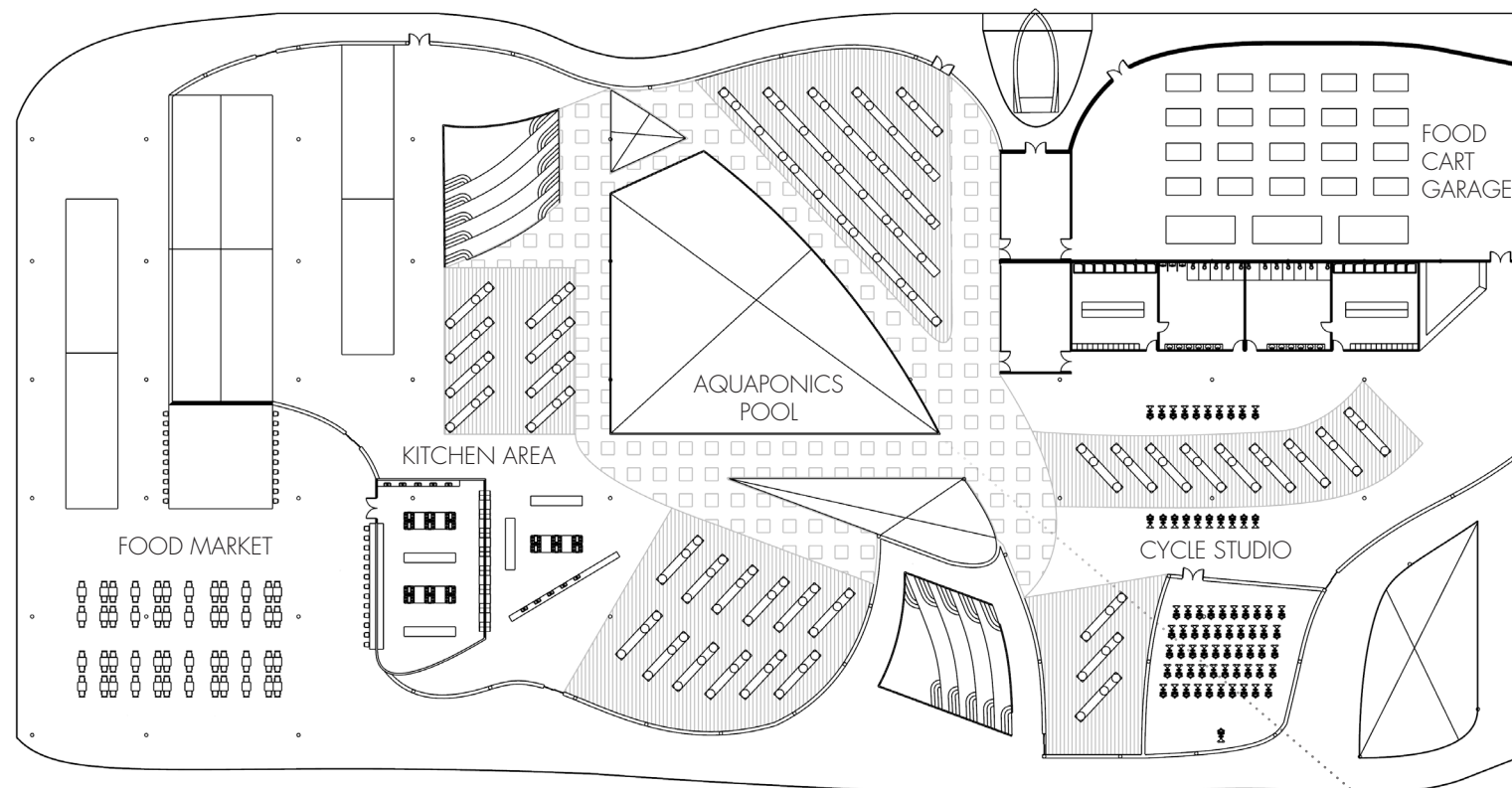
- AQUAPONICS
- CART GARAGE
- FOOD MARKET
- EDUCATIONAL
- PUBLIC SPACES
- CYCLE AREAS





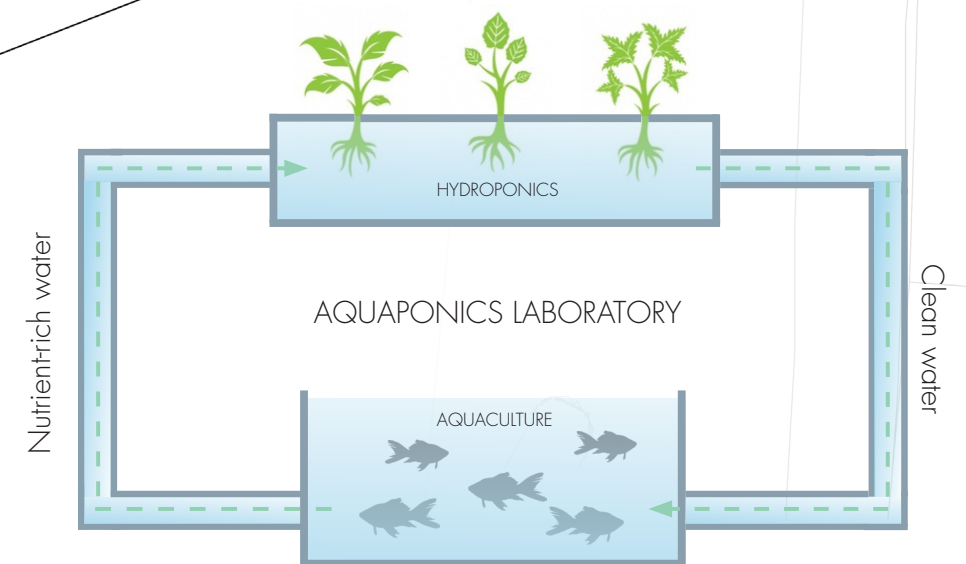
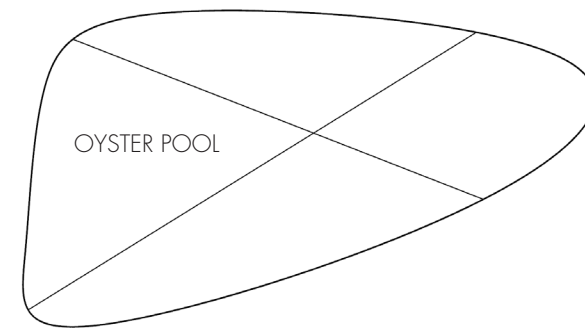




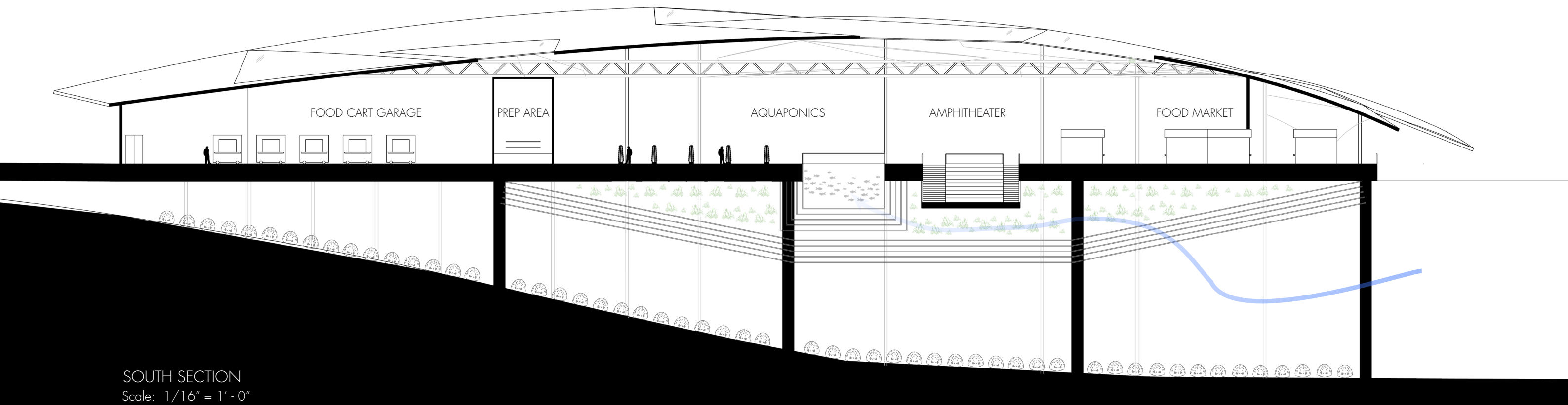


# FLOOR PLAN

Scale: 1/32" = 1' - 0"







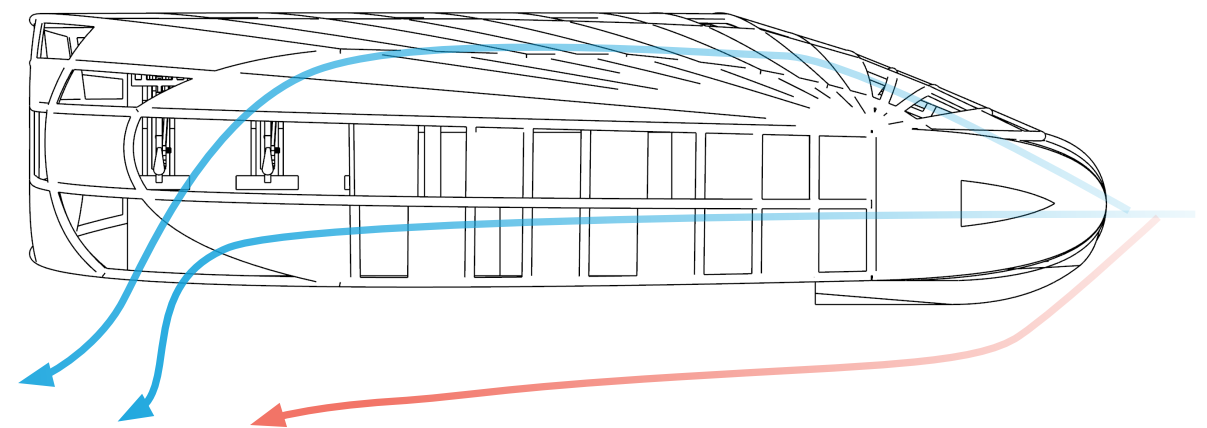
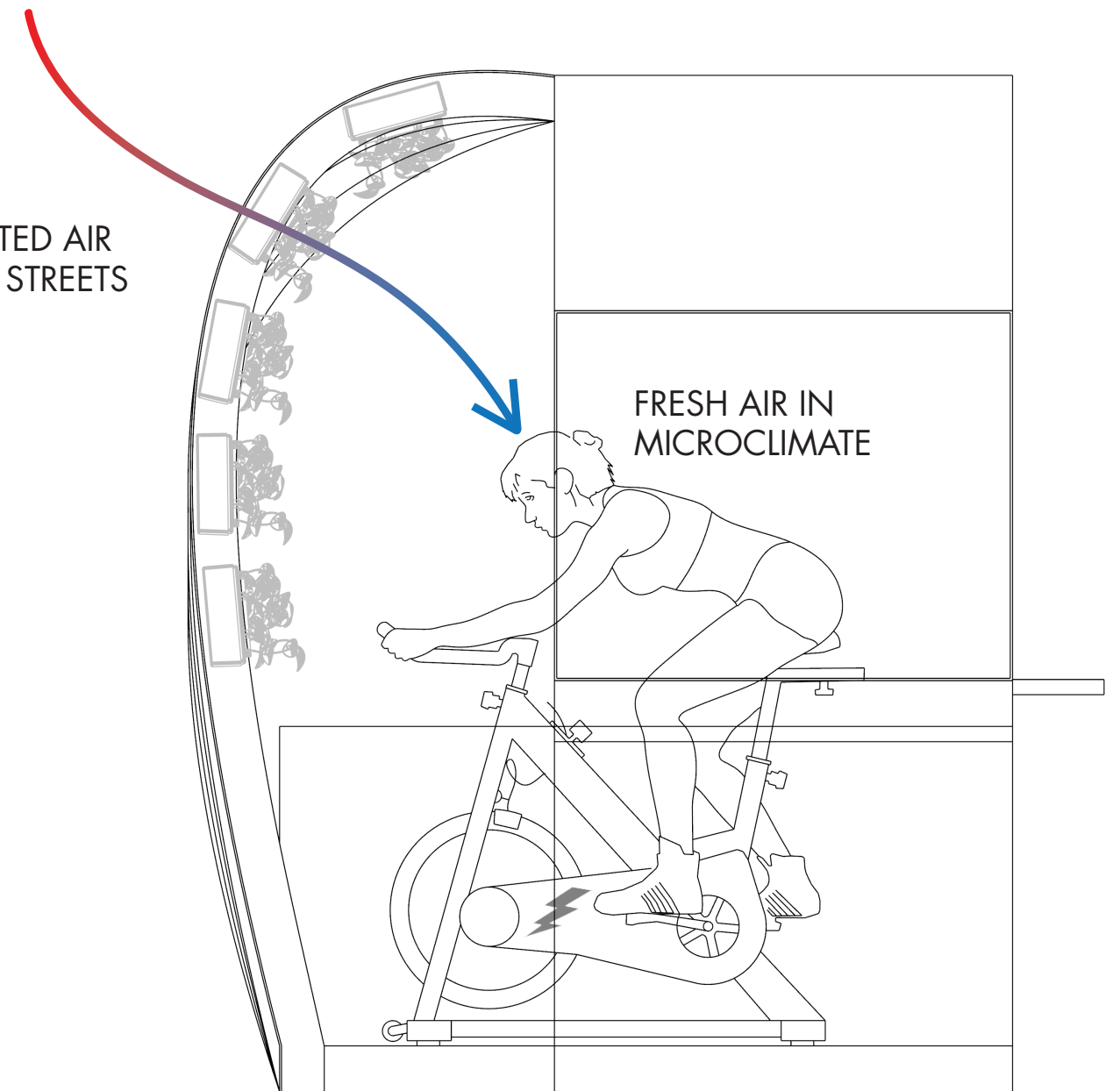




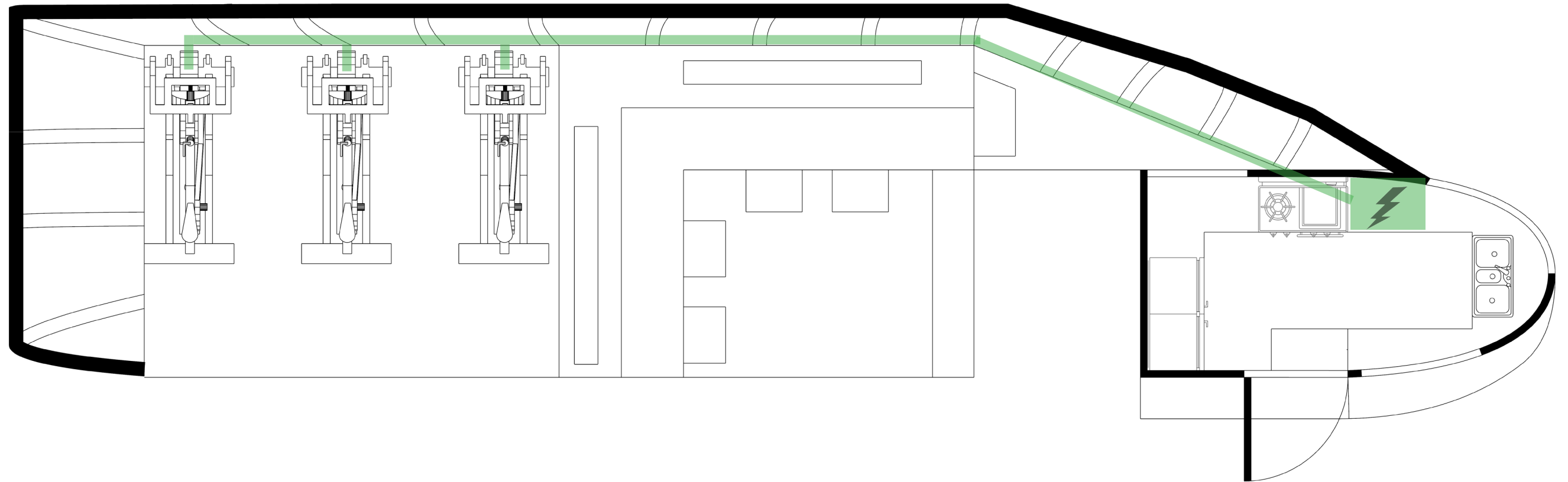
POLLUTED AIR  
FROM STREETS

- CO
- CO<sub>2</sub>
- VOCs
- HCs
- NO<sub>x</sub>
- PM

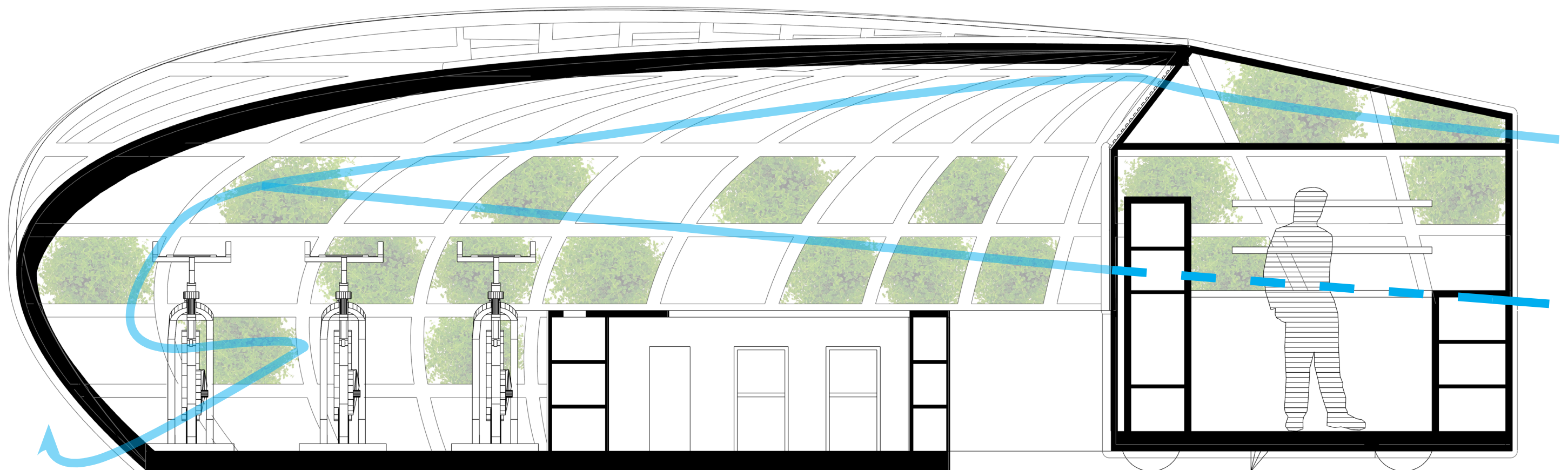
FRESH AIR IN  
MICROCLIMATE





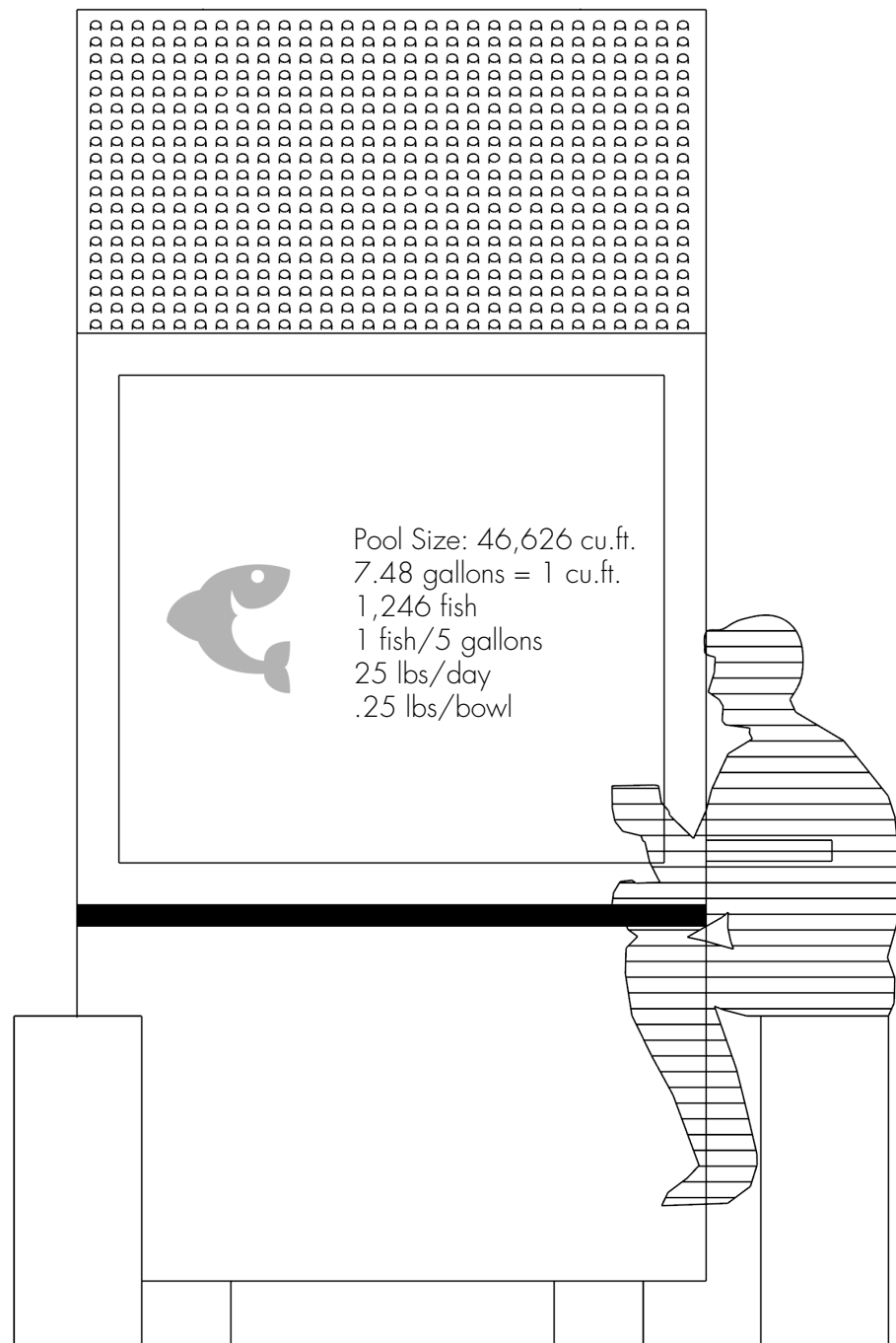


FLOOR PLAN  
Scale: 3/4" = 1'-0"

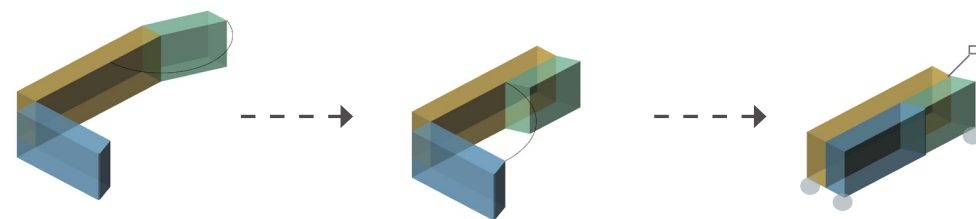


SECTION  
Scale: 3/4" = 1'-0"



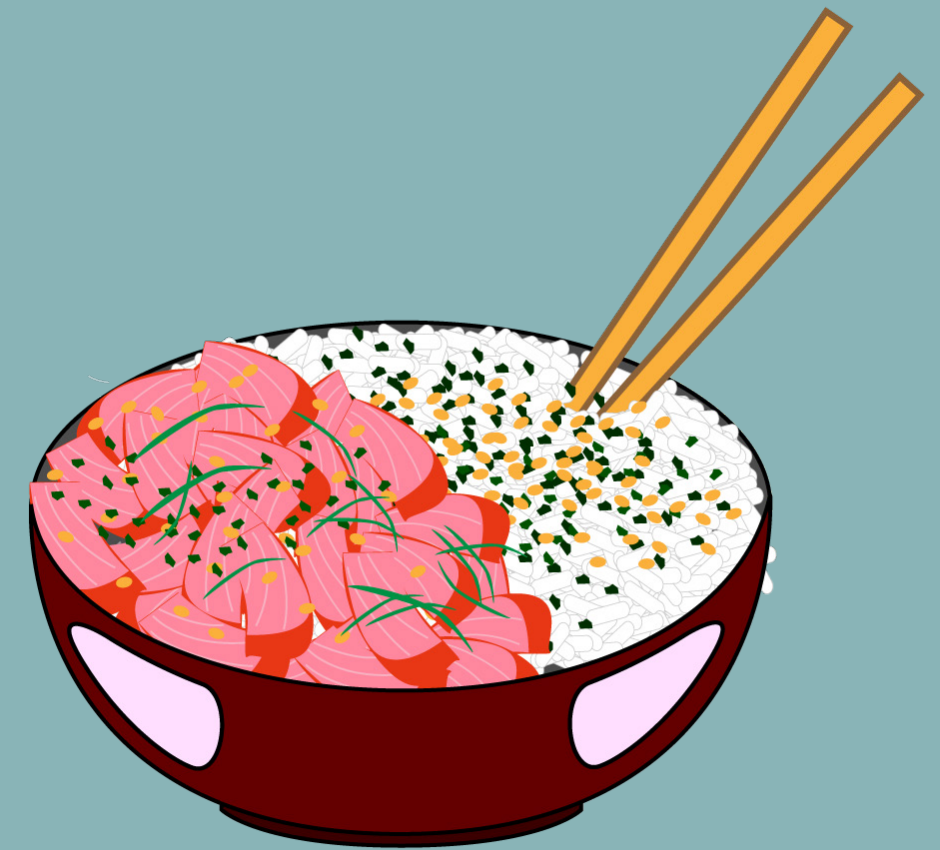


# POKE BOWL CART



## WASTE COLLECTION

- RECYCLABLES
- TRASH
- COMPOST



### PROTEIN

- Rainbow Trout
- Mackarel
- Sardines
- Tofu

### BASE

- Sea Purslane
- Saltwort
- Sea Beet
- Cabbage
- Lettuce
- Barley

### MIX-INS

- Seaweed
- Broccoli
- Cauliflower
- Tomato
- Bell Pepper
- Edamame
- Avocado
- Cilantro
- Cucumber
- Kale
- Onion





# MONUMENT SQUARE RESIDENCE

## COMPLEX ORGANIZATION



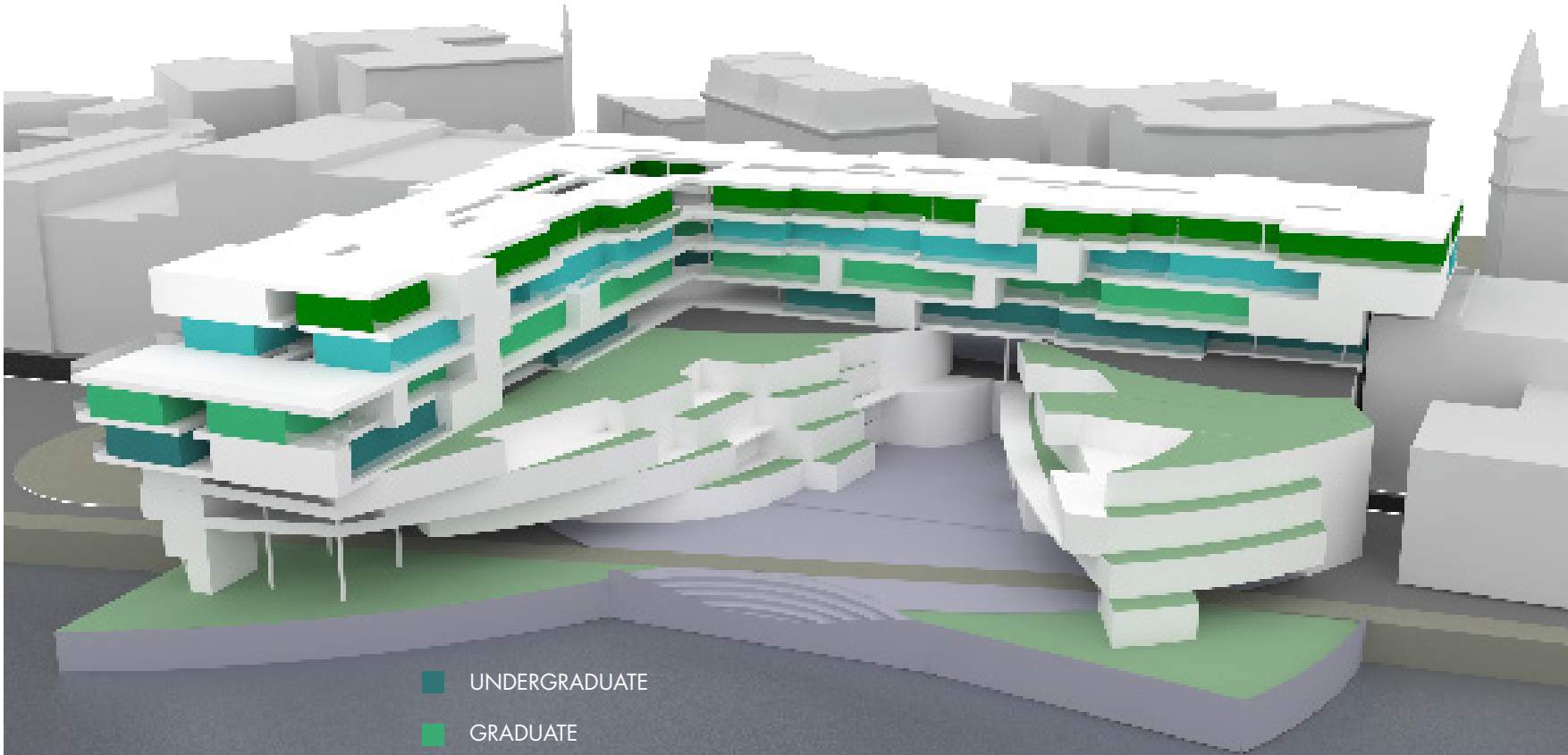
- SITE
- RIVERSIDE PARK
- PARKING GARAGE
- MIXED-USE
- RESIDENTIAL
- HOTEL

### Residential Amenities (6,139 sq.ft.)

- Event space (1,650 sq.ft.)
- Conference room - Divisible space (625 sq.ft.)
- Study rooms
  - 4 Small (100 sq.ft.)
  - 3 Medium (144 sq.ft.)
  - 2 Large (224 sq.ft.)
- Fitness center (384 sq.ft.)
- Recreational lounge (540 sq.ft.)
- Cafe (256 sq.ft.)
- Day-care/family space (384 sq.ft.)
- Bike Storage (240 sq.ft.)
- Administrative offices (500 sq.ft.)

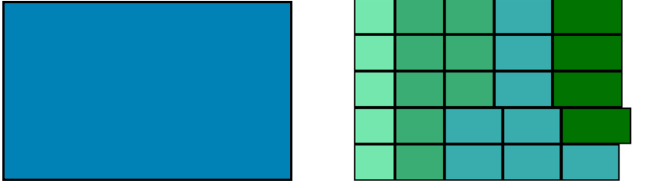
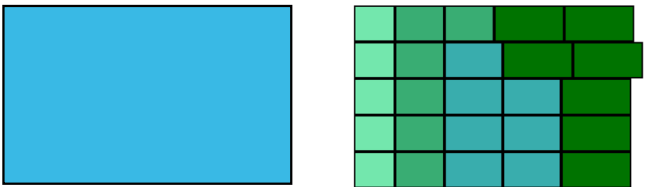
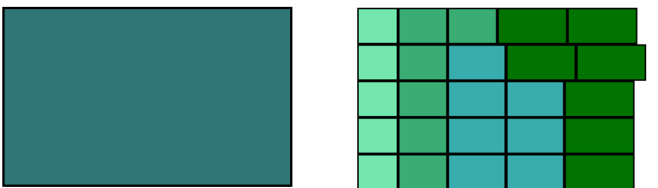
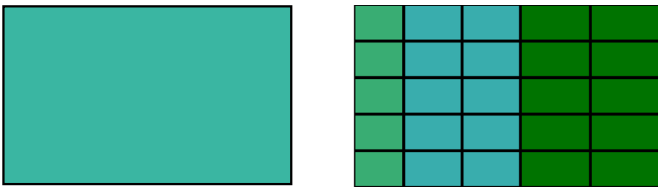
### Market Complex (309,416 sq.ft.)

- Concealed parking garage
- Grocery
- Retail
- Coffee shop
- Bakery
- Juicery/creamery
- Gallery/showroom
- Restaurants
- 3 Screen Mini-theater (800 sq.ft.)

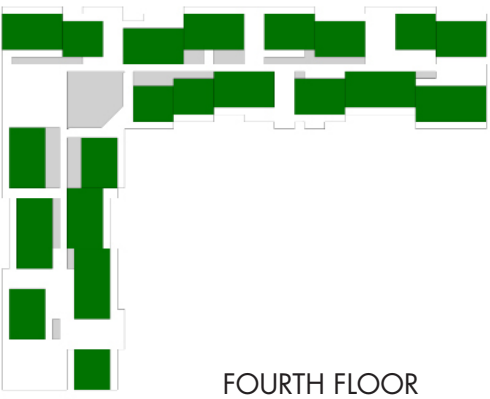
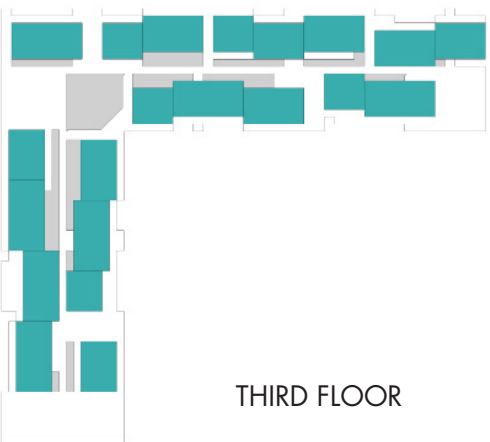
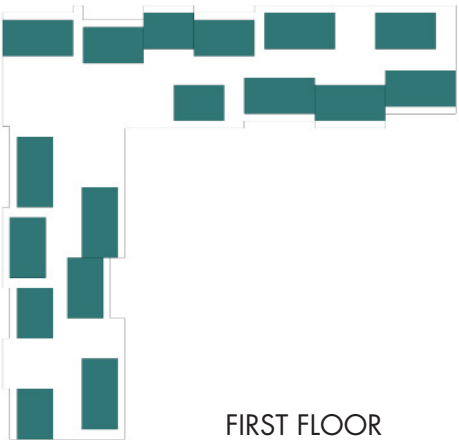




# UNIT ORGANIZATION



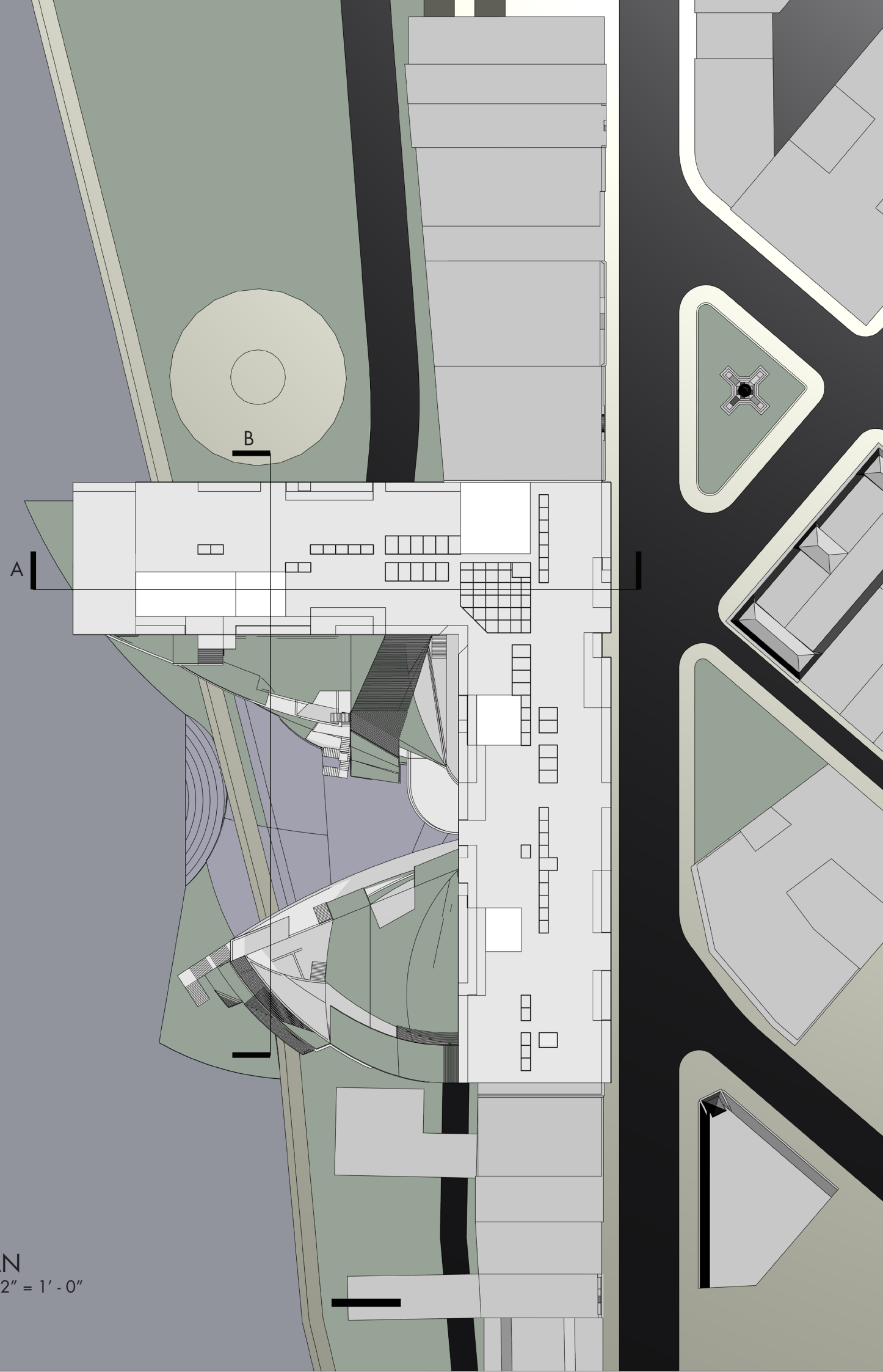
- 100 Residential Units
- Undergraduate Students: 25 units (26,250 sq.ft.)  
5 2BR (850 sq.ft.)  
10 3BR (1,000 sq.ft.)  
10 4 BR (1,200 sq.ft.)
  - Graduate Students: 25 units (24,000 sq.ft.)  
5 1BR (700 sq.ft.)  
6 2BR (850 sq.ft.)  
7 3BR (1,000 sq.ft.)  
7 4 BR (1,200 sq.ft.)
  - Single Non-Students: 25 units (24,000 sq.ft.)  
5 1BR (700 sq.ft.)  
6 2BR (850 sq.ft.)  
7 3BR (1,000 sq.ft.)  
7 4BR (1,200 sq.ft.)
  - Families: 25 units (23,100 sq.ft.)  
5 1BR (700 sq.ft.)  
8 2BR (850 sq.ft.)  
8 3BR (1,000 sq.ft.)  
4 4BR (1,200 sq.ft.)
- 1 BEDROOM  
2 BEDROOM  
3 BEDROOM  
4 BEDROOM



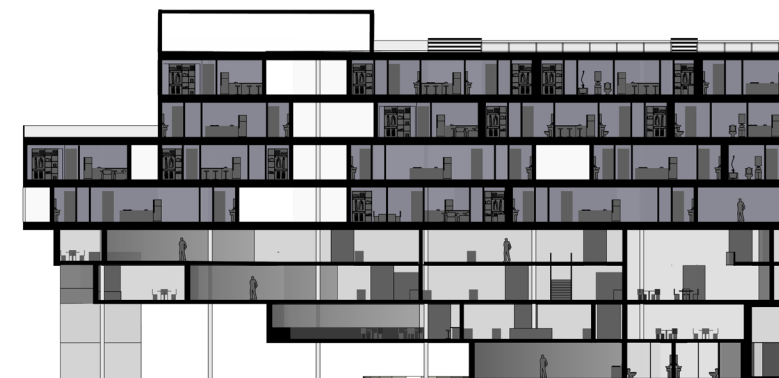
- BEDROOM
- BATHROOM
- CLOSET
- LIVING ROOM







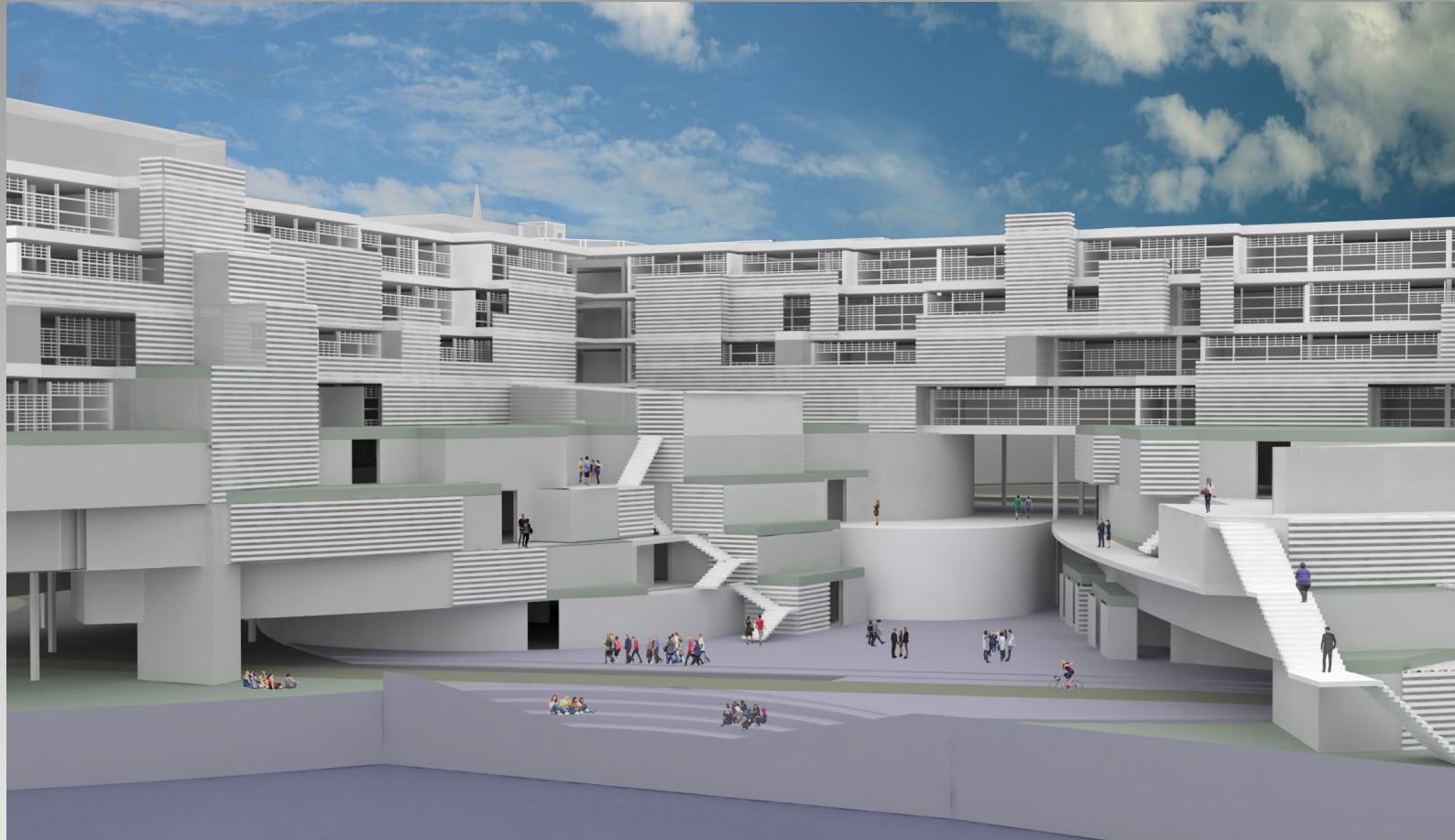
SITE PLAN  
SCALE: 1/32" = 1' - 0"



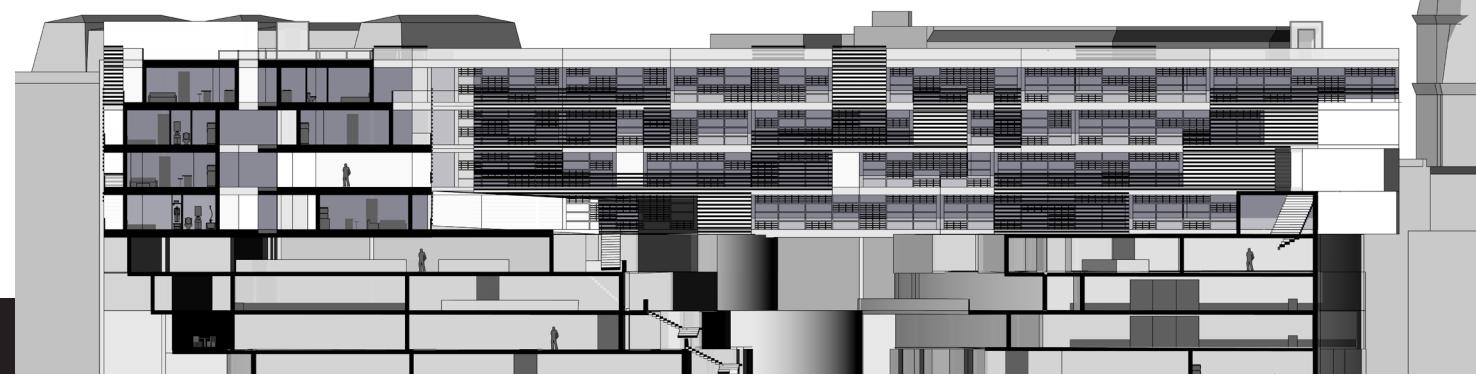


# MONUMENT SQUARE RESIDENCE

DOWNTOWN TROY, NY



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



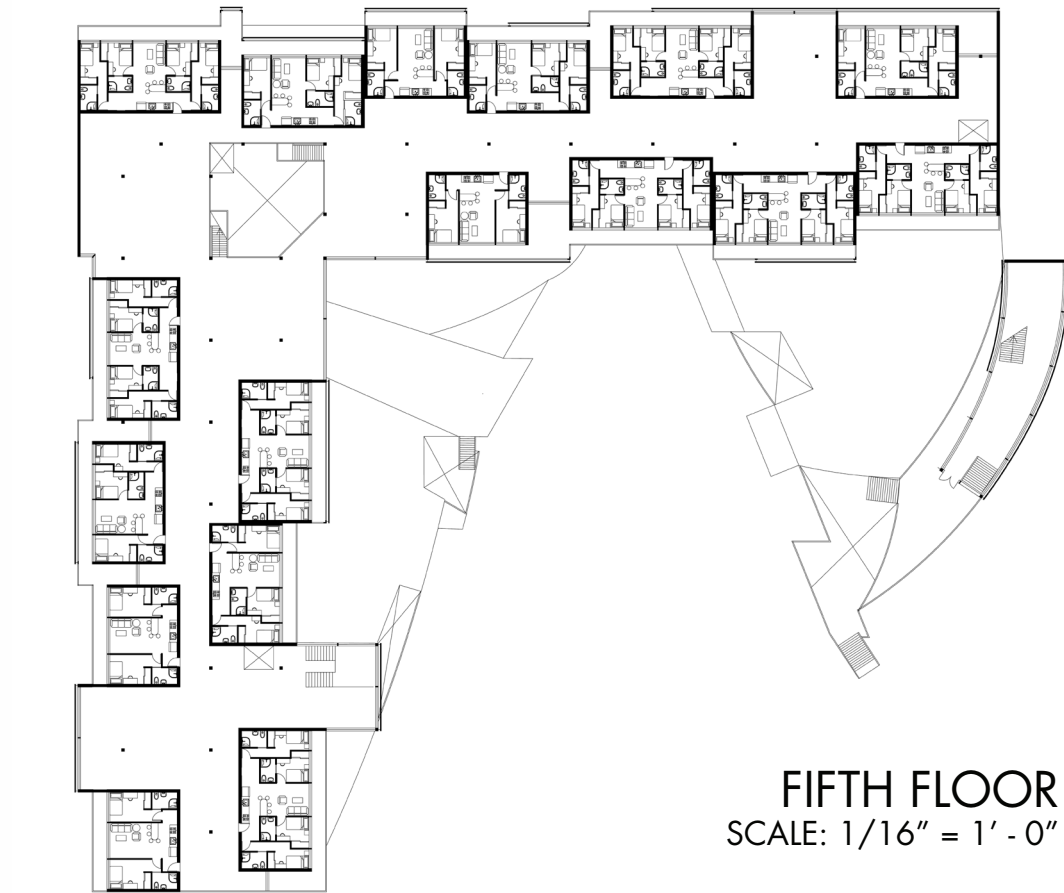
SCALE: 1/16" = 1' - 0"

SECTION B  
1' - 0" = 1/16"

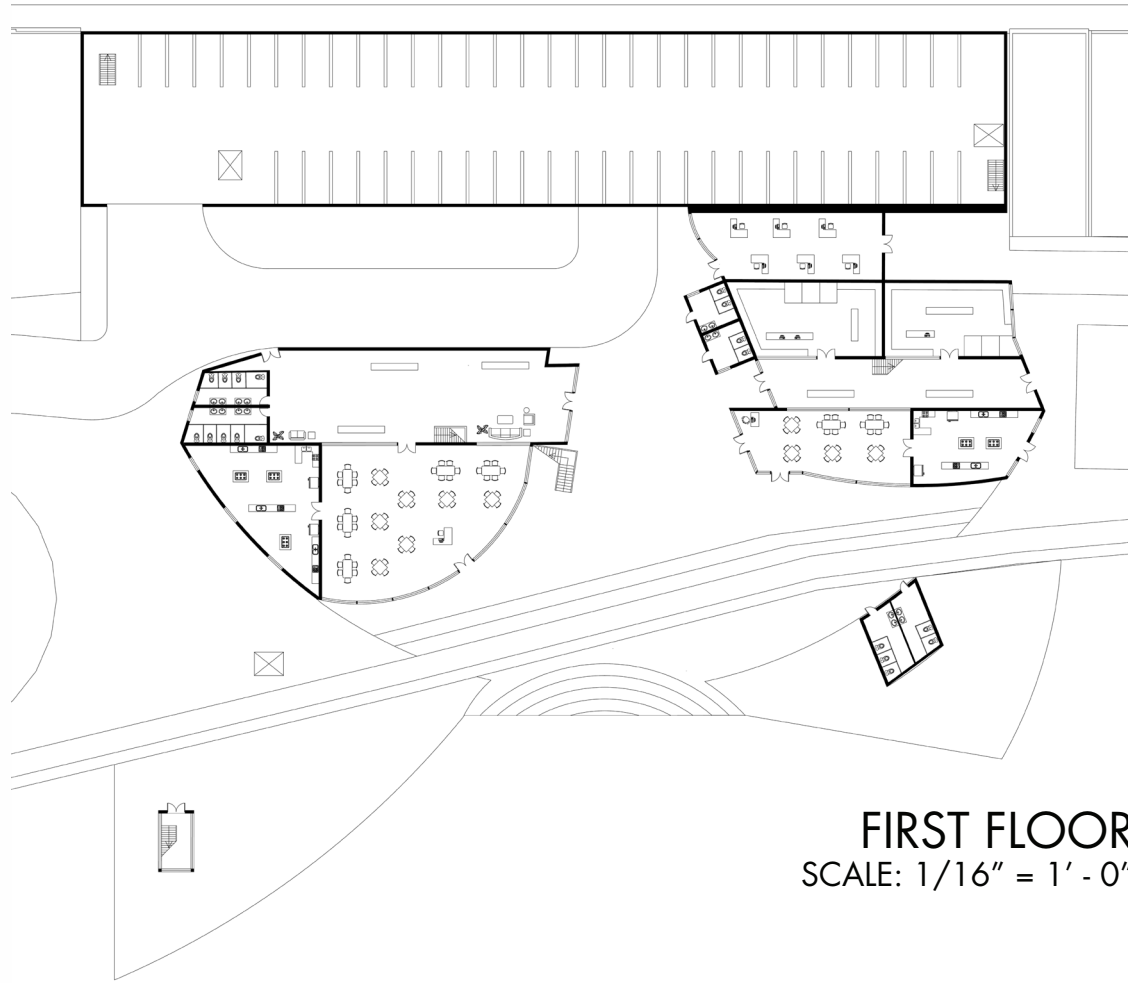


# MONUMENT SQUARE RESIDENCE

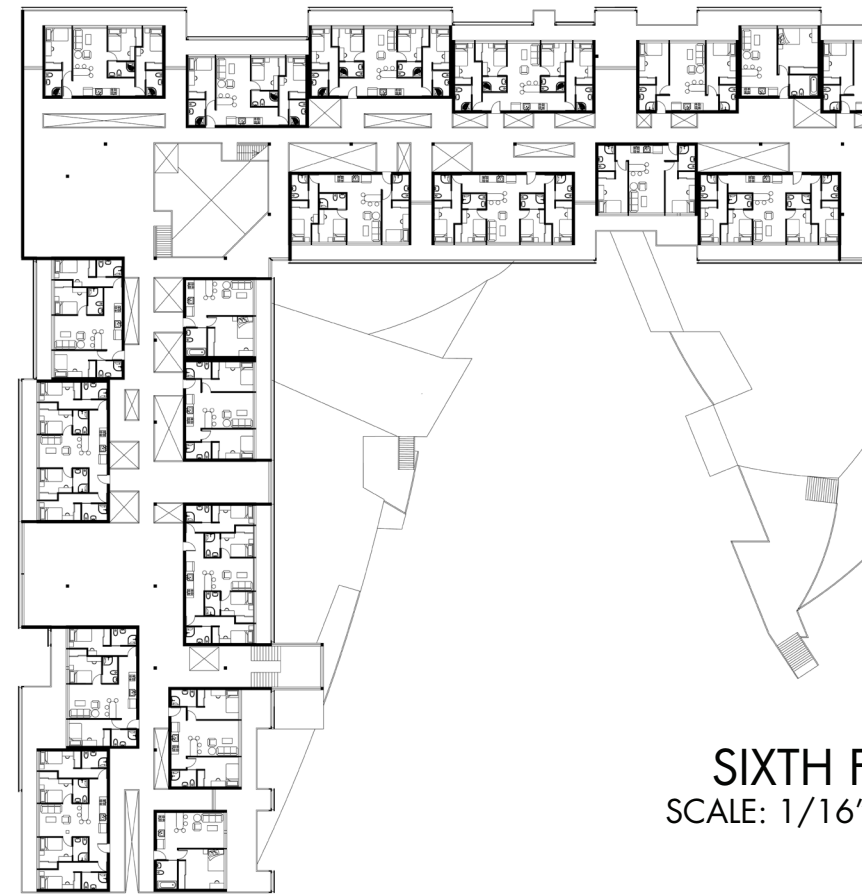
DOWNTOWN TROY, NY



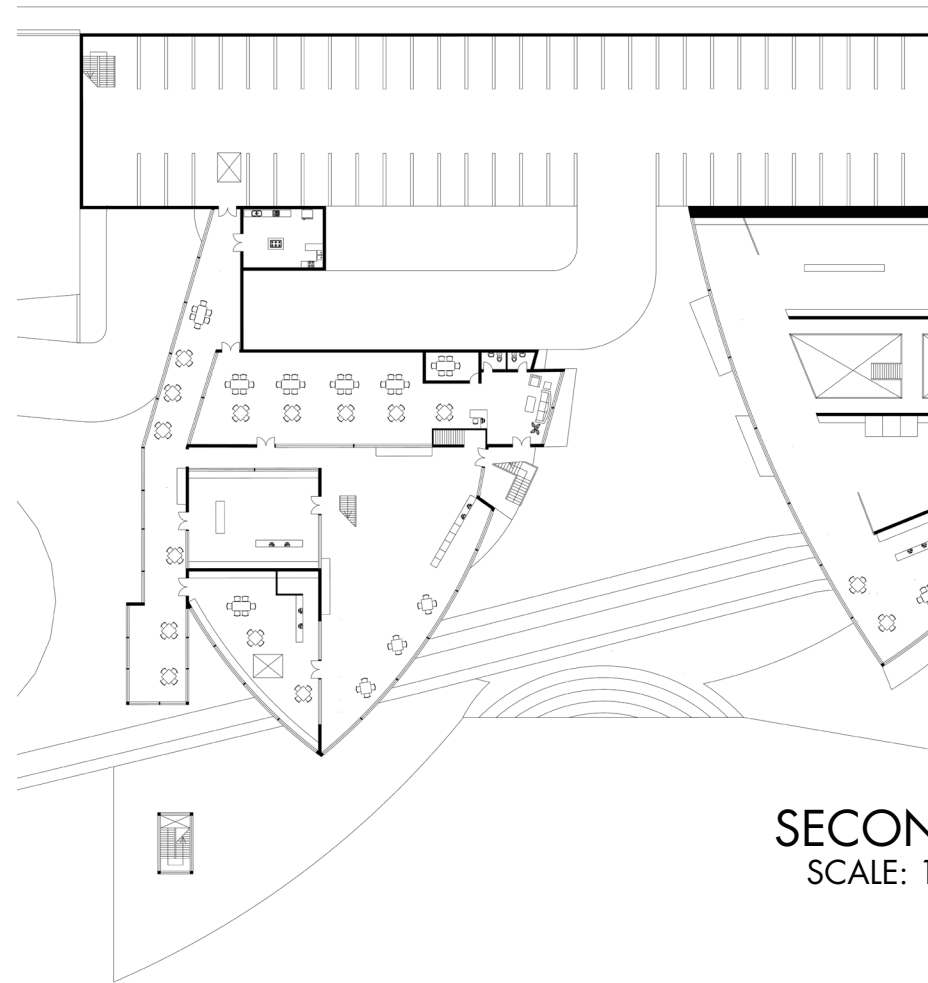
FIFTH FLOOR  
SCALE: 1/16" = 1' - 0"



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



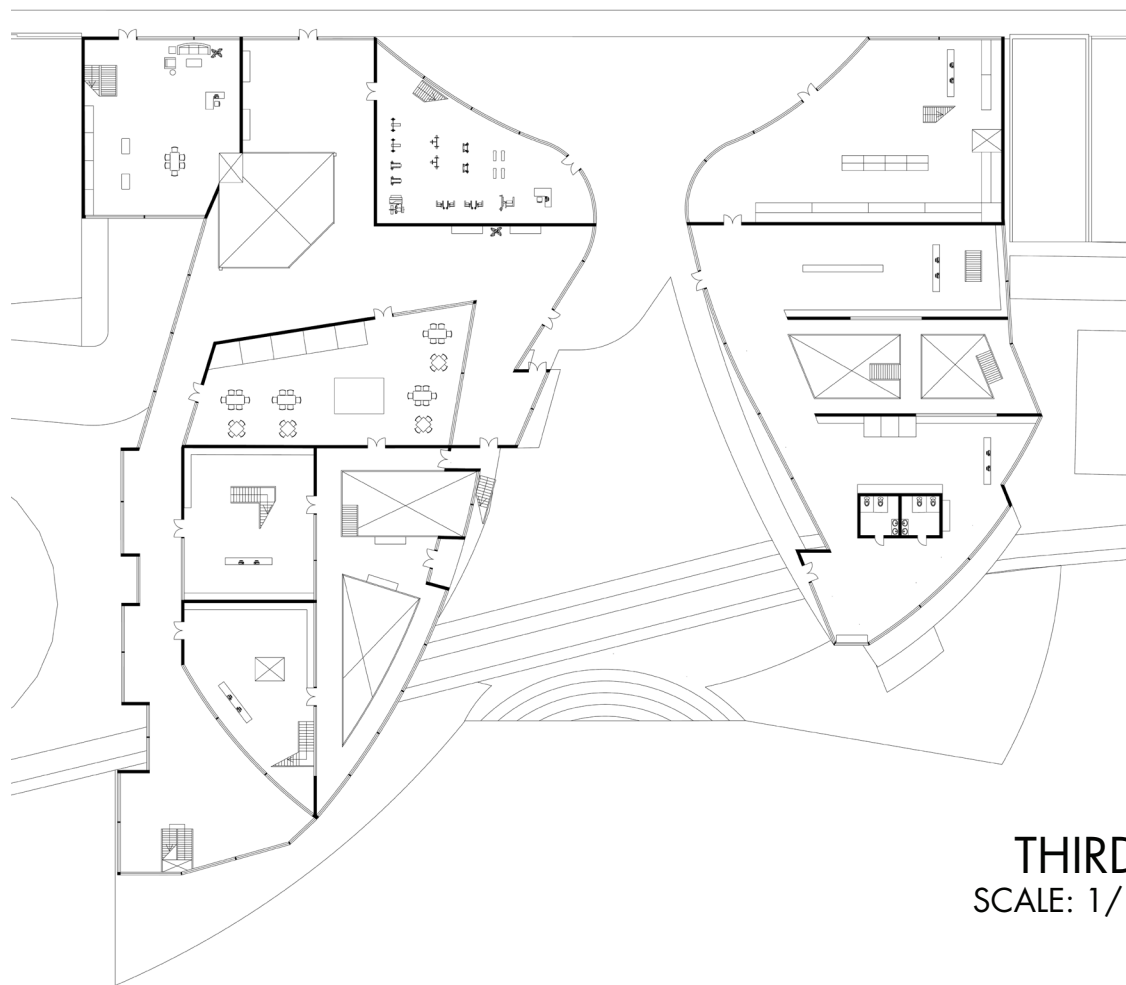
SIXTH FLOOR  
SCALE: 1/16" = 1' - 0"



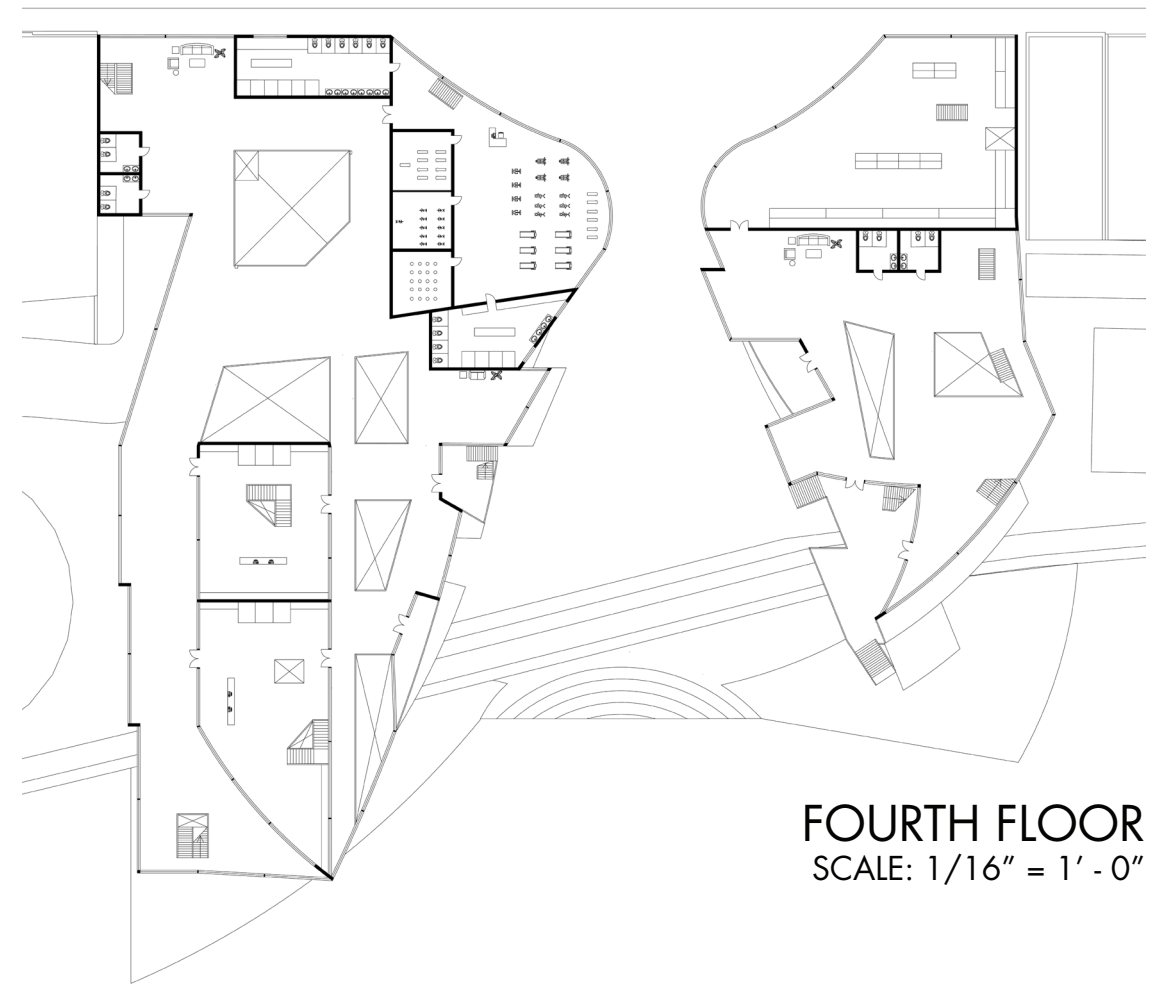
SECOND FLOOR  
SCALE: 1/16" = 1' - 0"



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

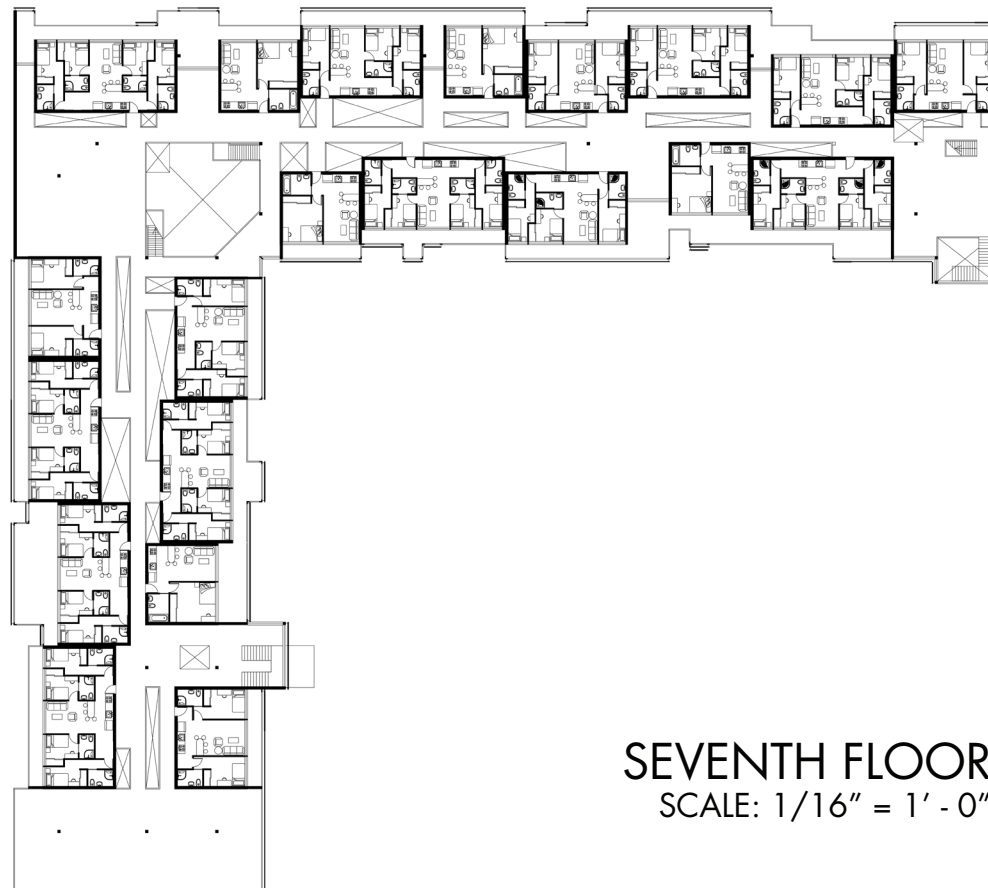


THIRD FLOOR  
SCALE: 1/16" = 1' - 0"

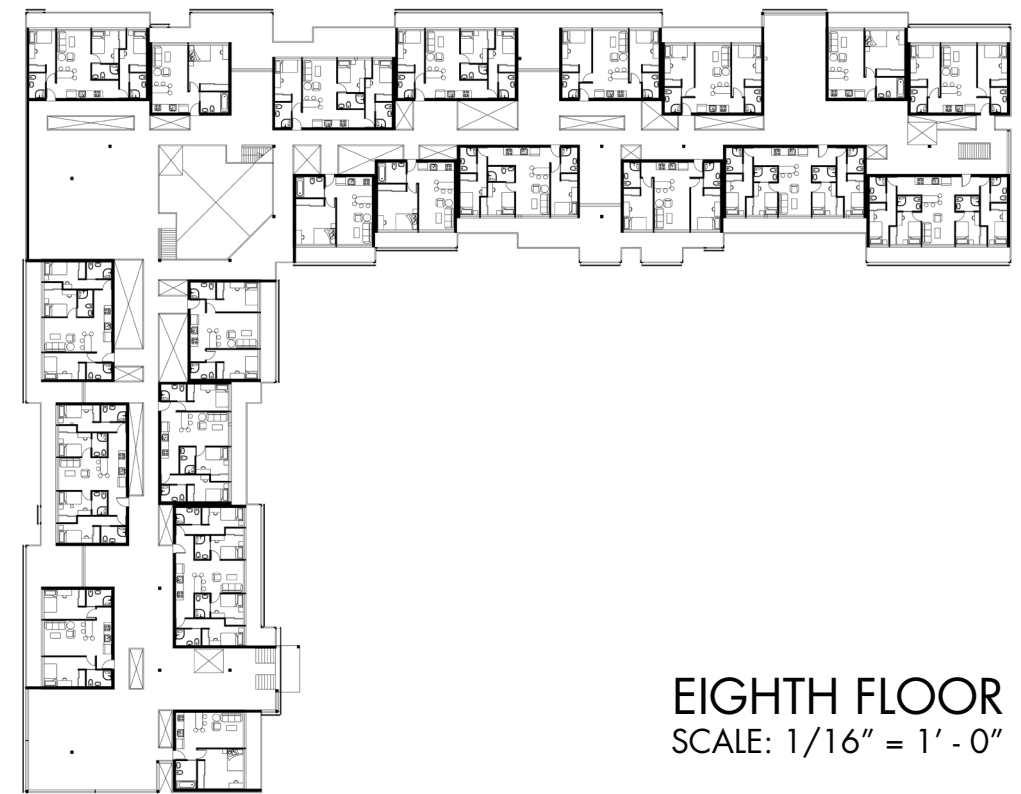


FOURTH FLOOR  
SCALE: 1/16" = 1' - 0"

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



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



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



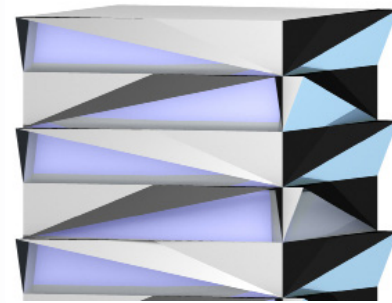
# MONUMENT SQUARE RESIDENCE

DOWNTOWN TROY, NY

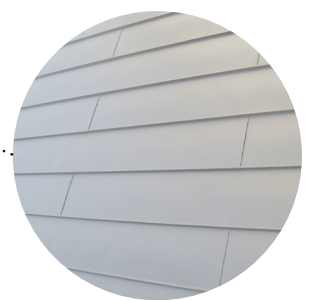
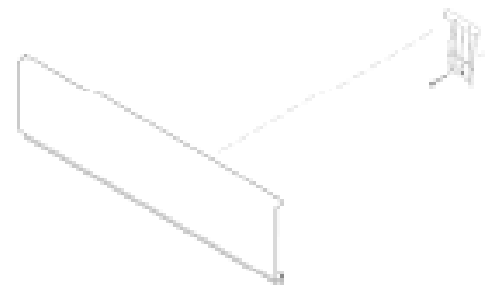
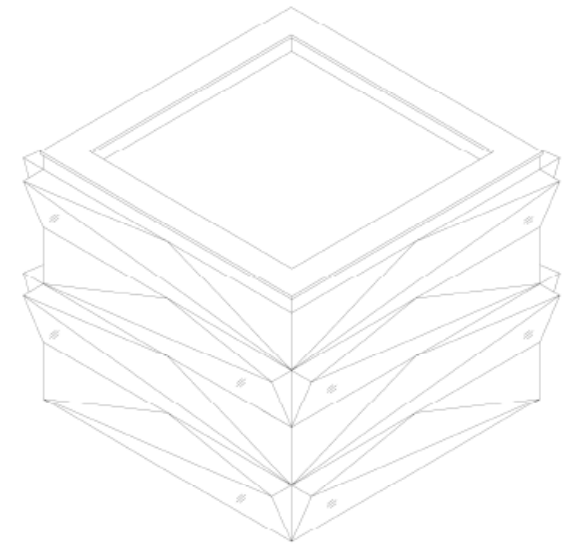
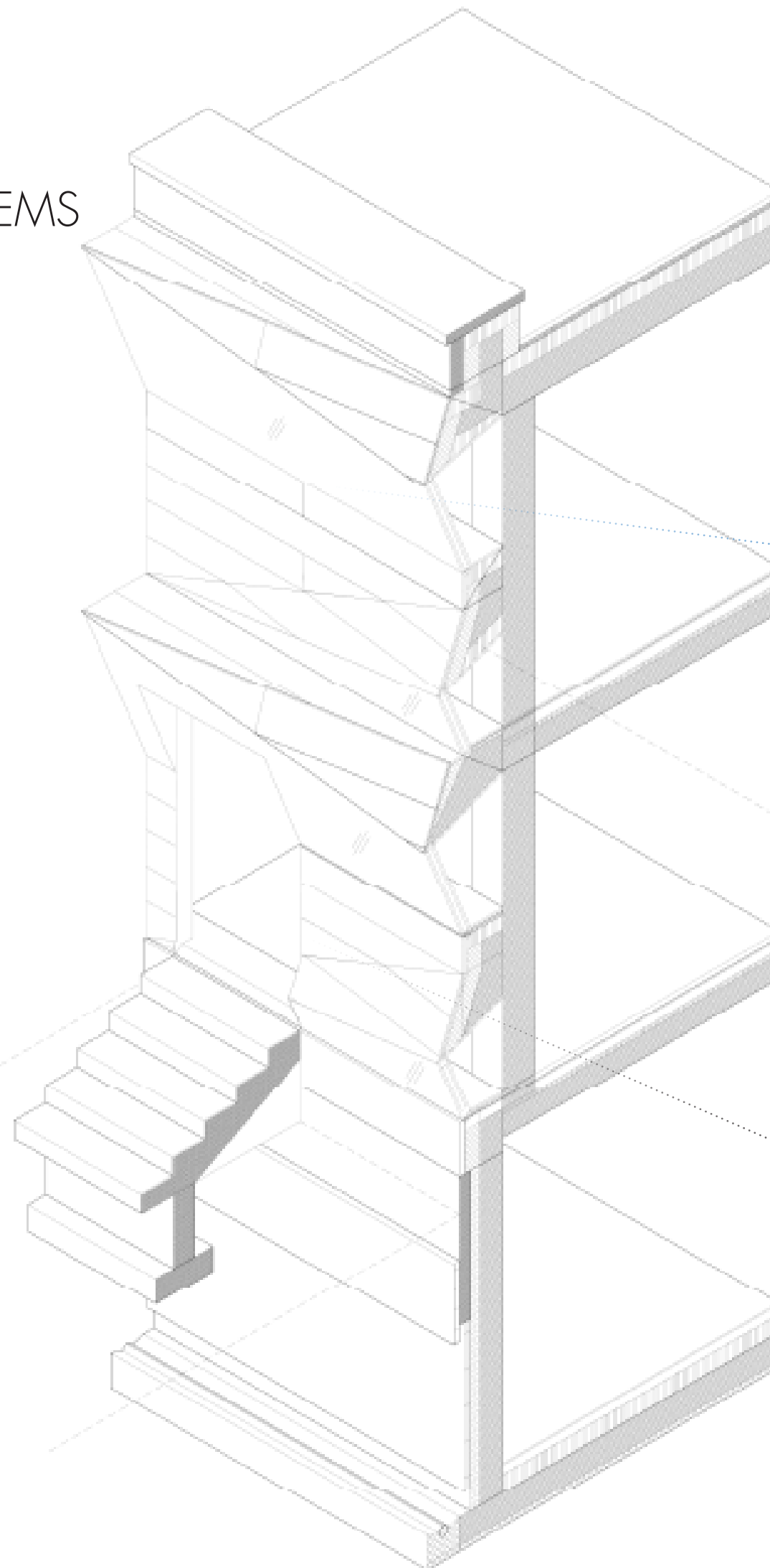
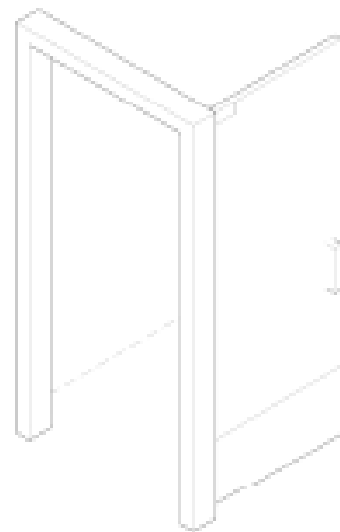




# MATERIALS & CONSTRUCTION SYSTEMS



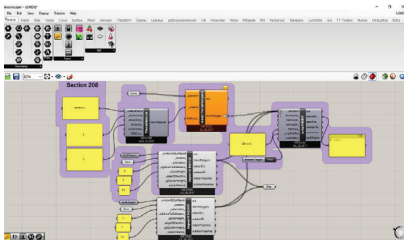
- INTERLOCKING ZINC PANEL FACADE WITH CONCRETE STRUCTURAL SYSTEM
- SECTION CUT OF A THREE-STORY BUILDING DESIGN WITH BASEMENT AND ROOFTOP ACCESS



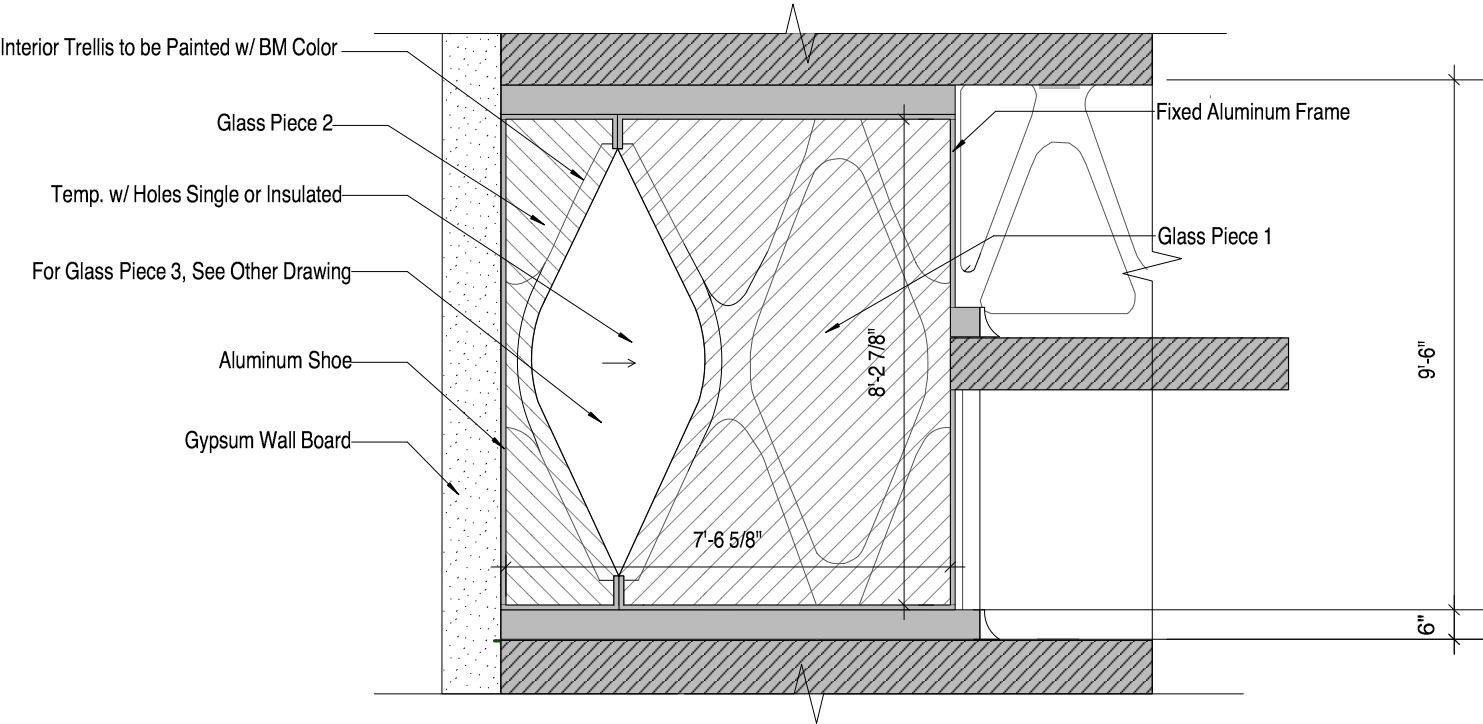


# FACADE & ENCLOSURES

Flatiron Institute  
U-Value & Condensation Potential Analysis Report Example  
New York, NY  
BuroEhring

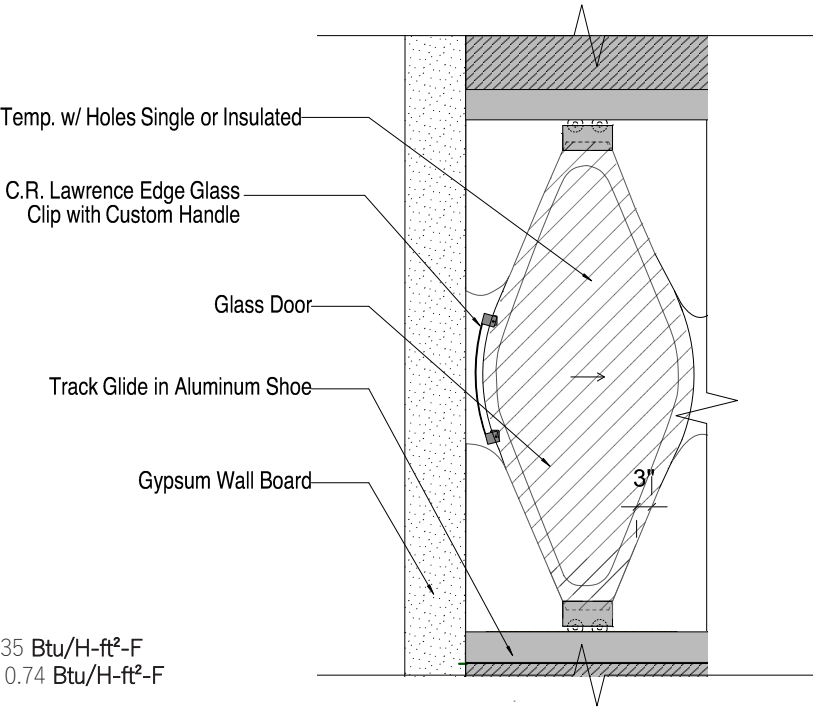


THERM File Preparation: Honeybee

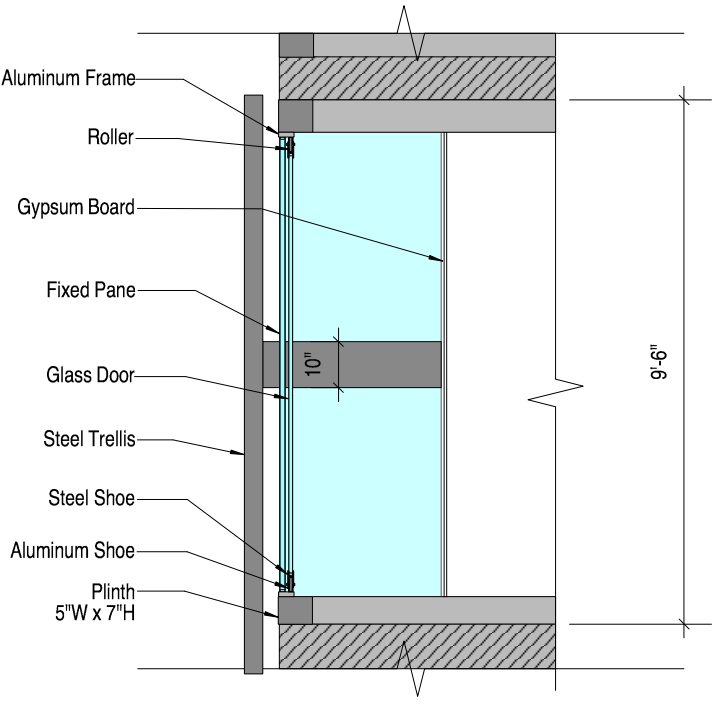


Greenwich Village Residence  
New York, NY  
Kushner Studios

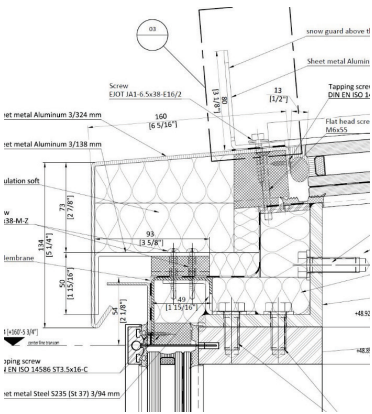
1 Fourth & Fifth Fl Int. Elevation of Glass Enclosure  
Scale: 1/2" = 1'-0"



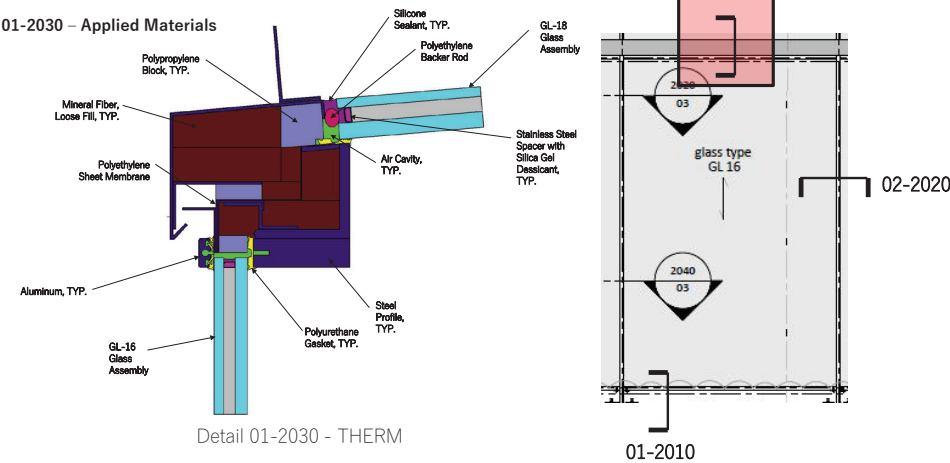
2 Fourth & Fifth Fl Int. Elevation of Glass Door  
Scale: 3/4" = 1'-0"



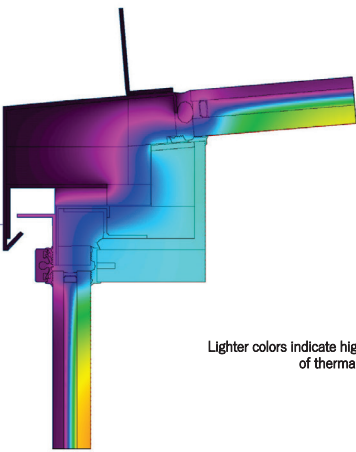
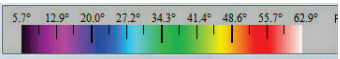
3 Fourth/Fifth Fl.-South Wall Section of Glass Enclosure  
Scale: 1/2" = 1'-0"



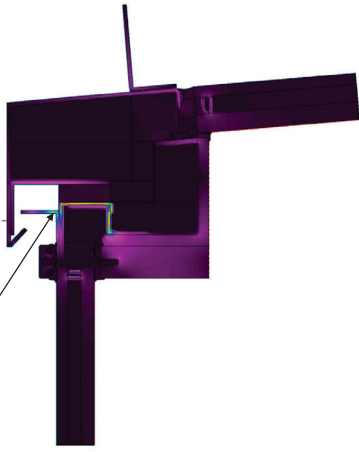
Detail 01-2030 - Detail



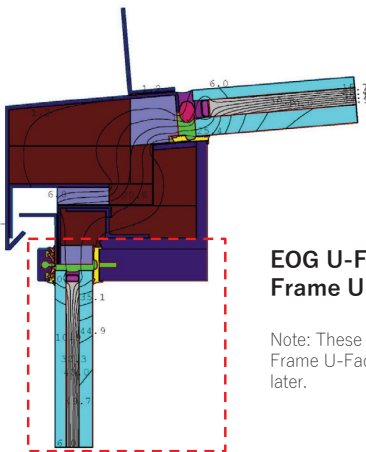
Detail 01-2030 - THERM



Detail 01-2030 - Temperature Infrared



Detail 01-2030 - Color Flux Magnitude

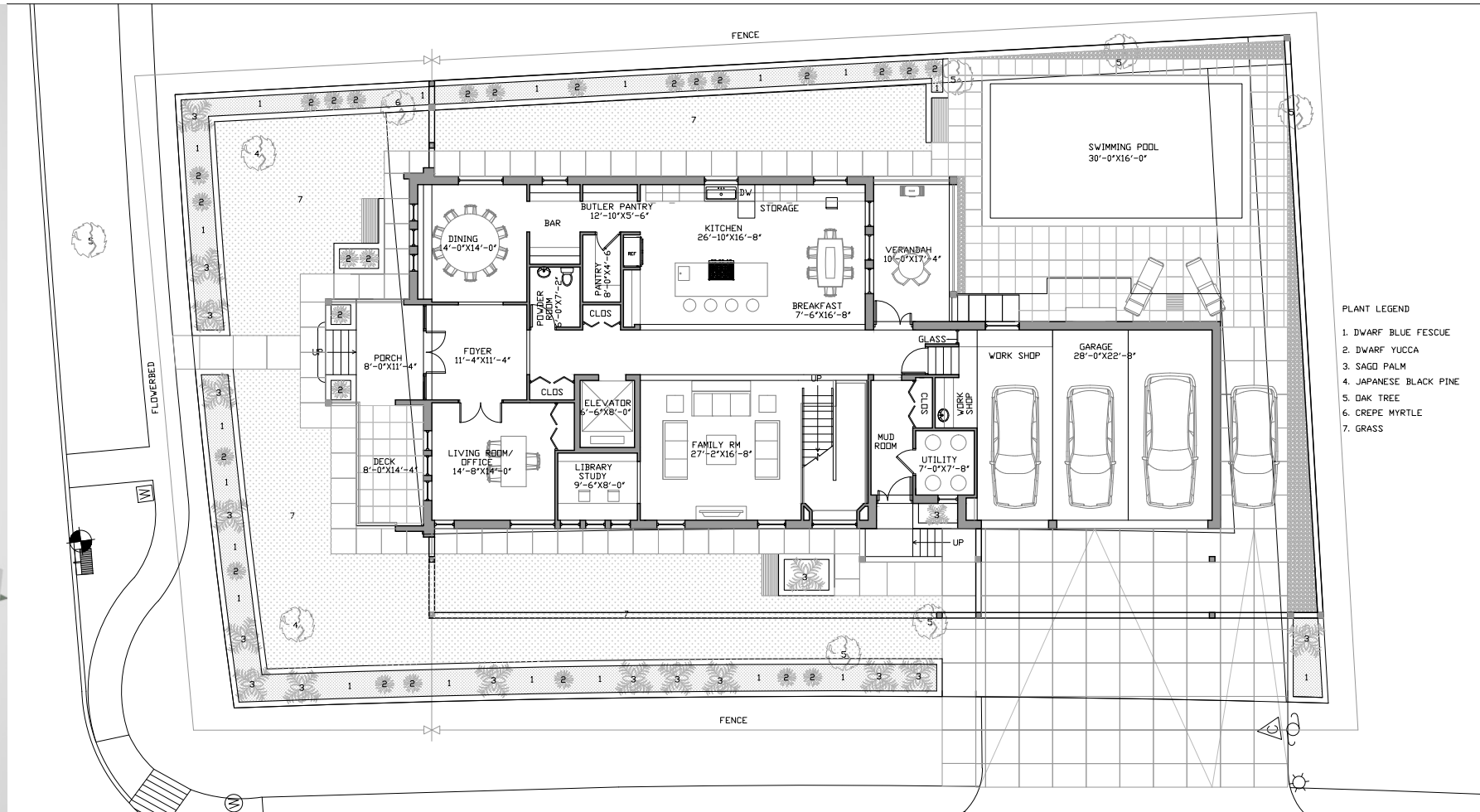
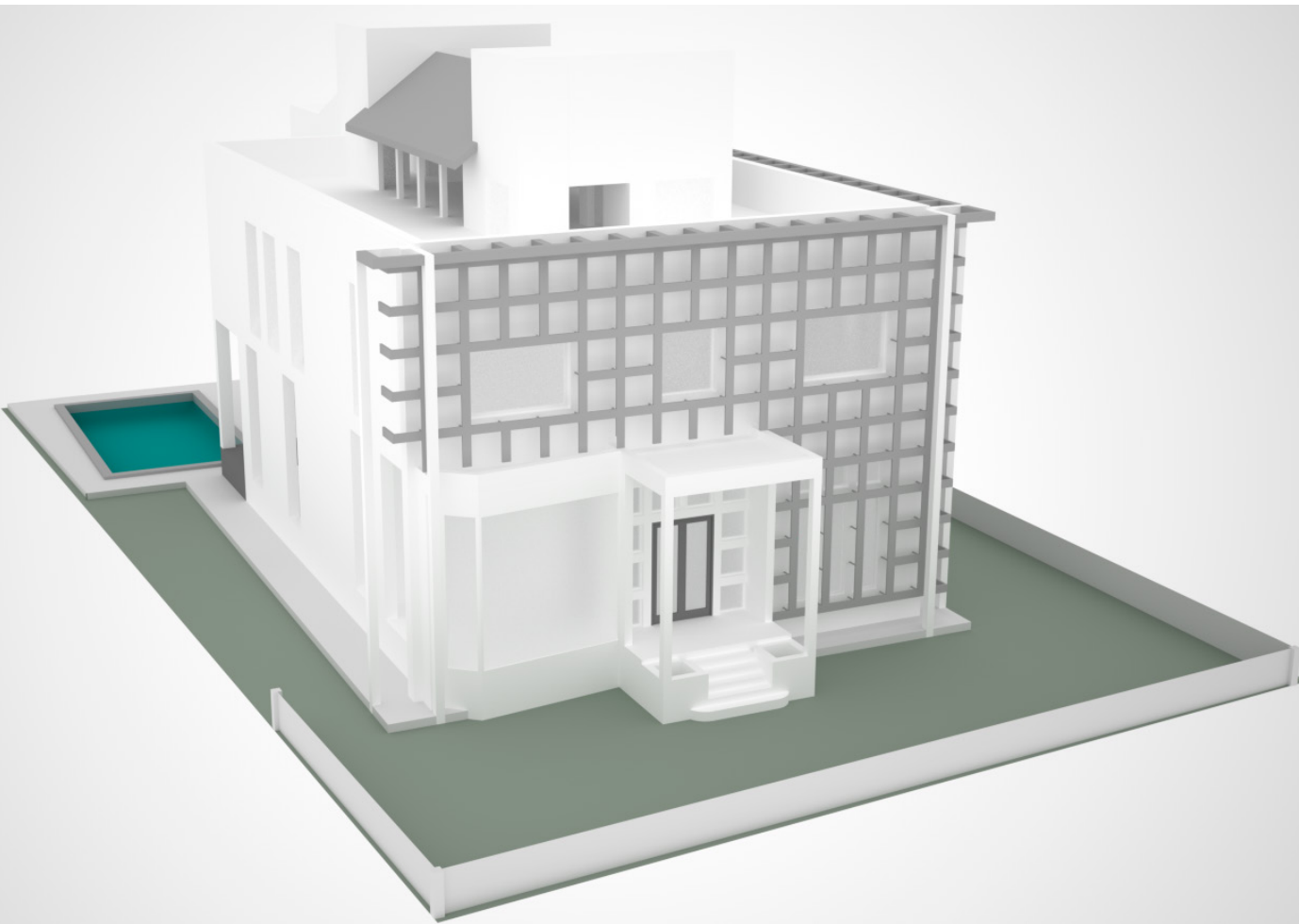


Detail 01-2030 - Temperature Isotherms

EOG U-Factor: 0.35 Btu/H-ft<sup>2</sup>-F  
Frame U-Factor: 0.74 Btu/H-ft<sup>2</sup>-F

Note: These results are strictly for CW01's EOG and Frame U-Factor; the Skylight portion is recalculated later.



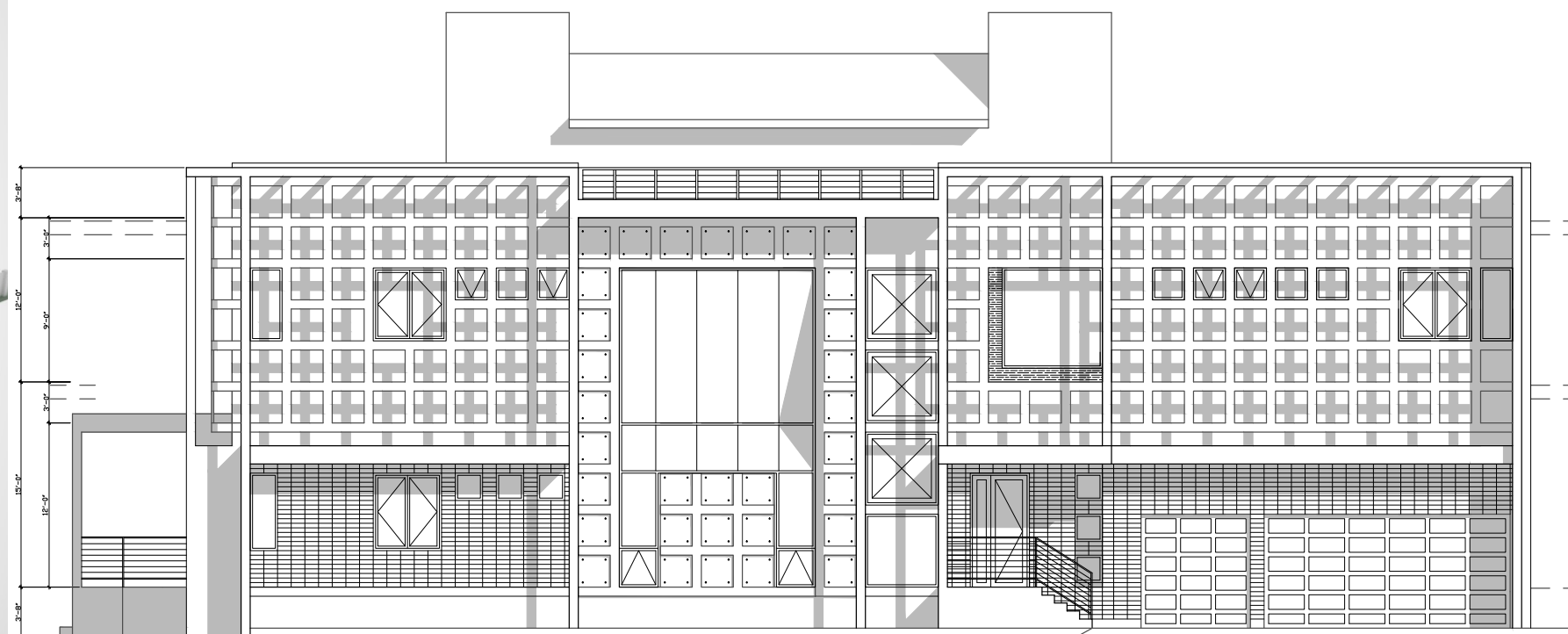
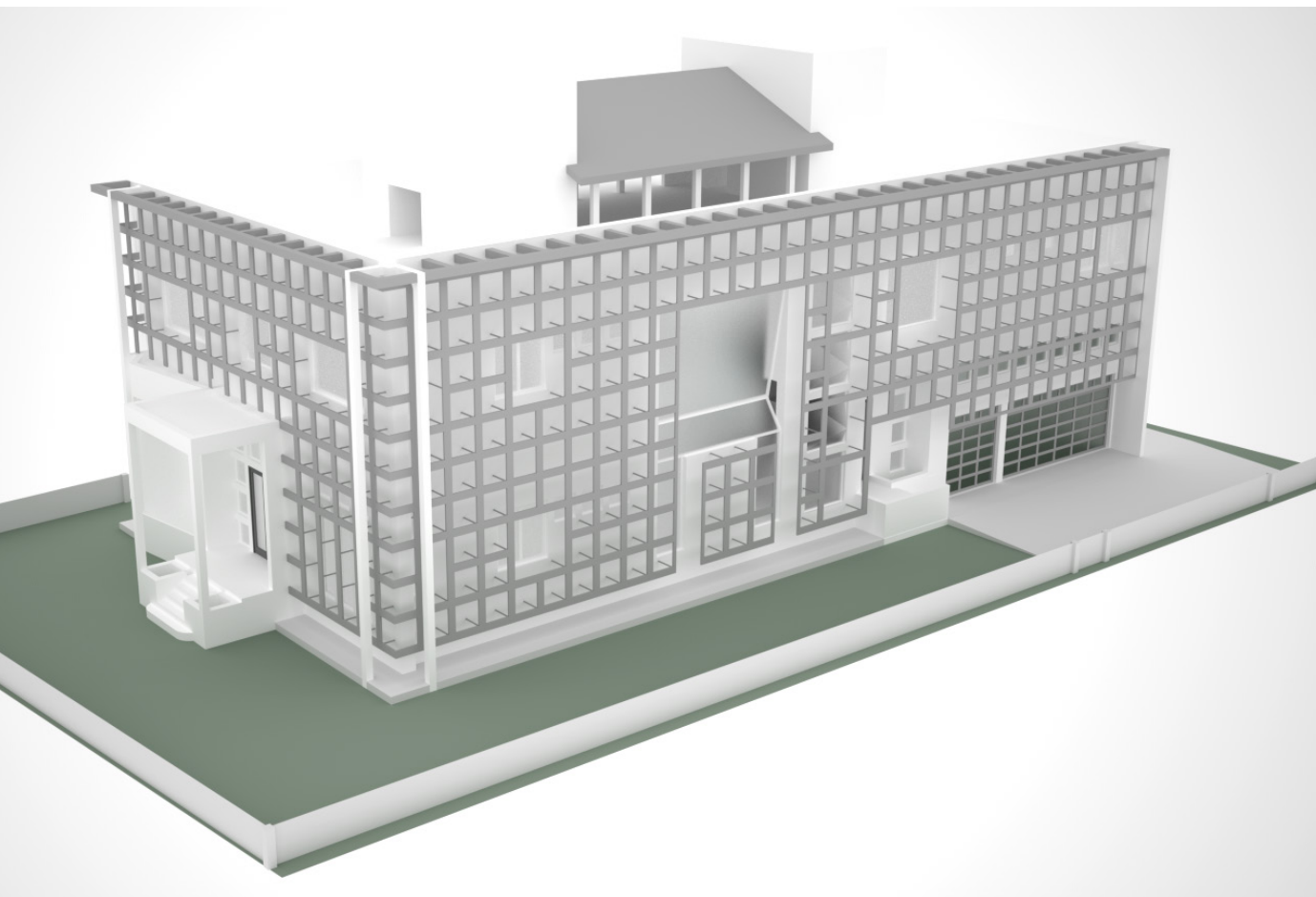


## House at Academy Street

Houston, TX

Misra & Associates, P.C.

Elevation in collaboration with fellow intern, Erik Weaver.





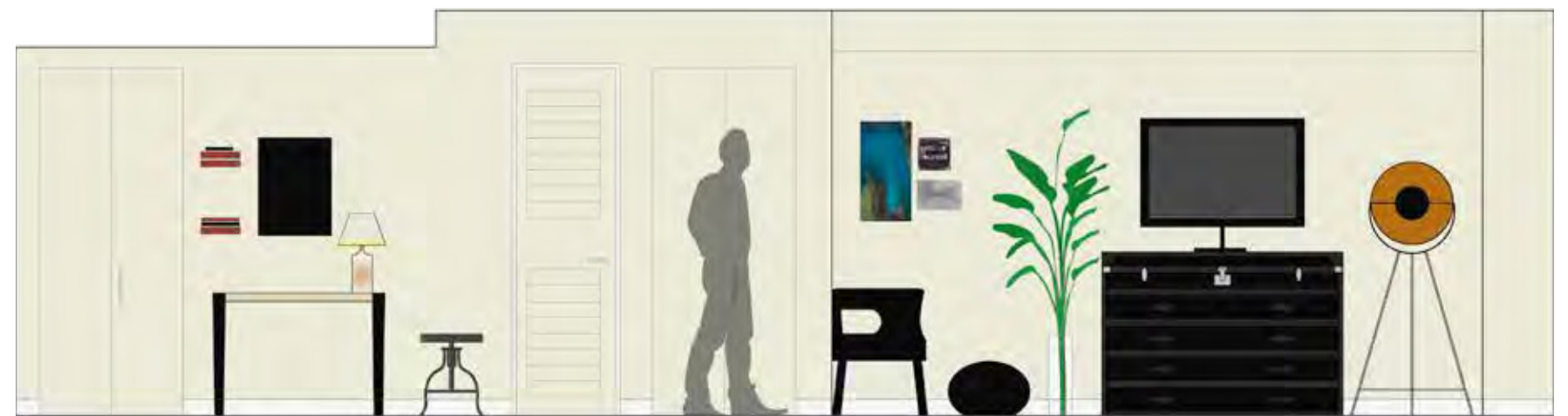
# MIDTOWN APARTMENT

DADAPT

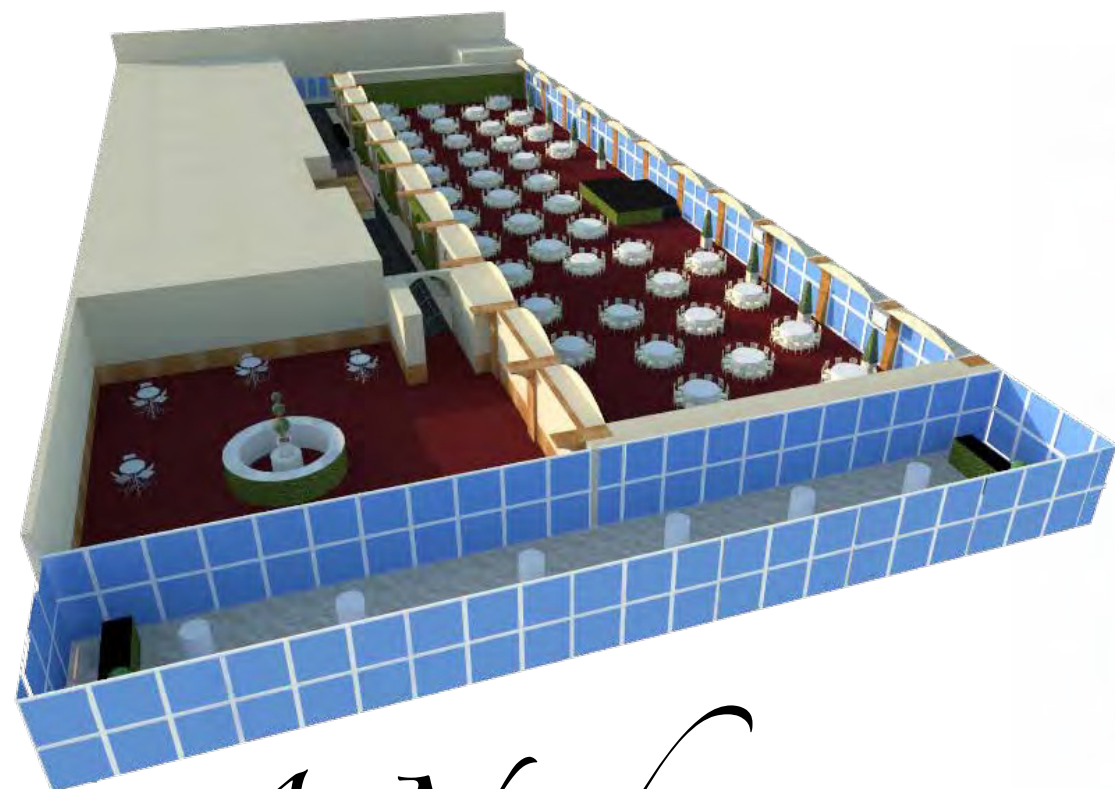
MANHATTAN,  
NEW YORK



*"A SAFE HAVEN  
WITHIN THE  
CONCRETE  
JUNGLE"*

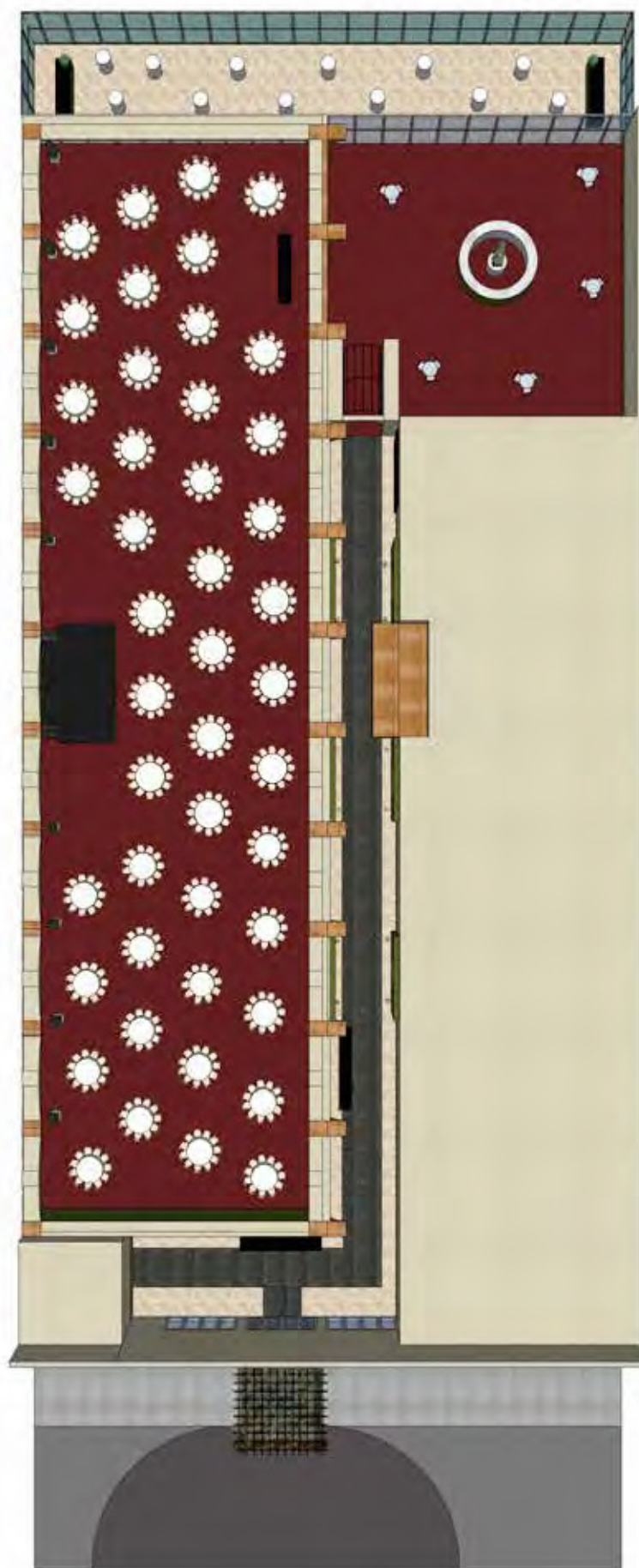






# *A Night in an English Garden*

CHELSEA PIERS  
MANHATTAN  
OVANDO

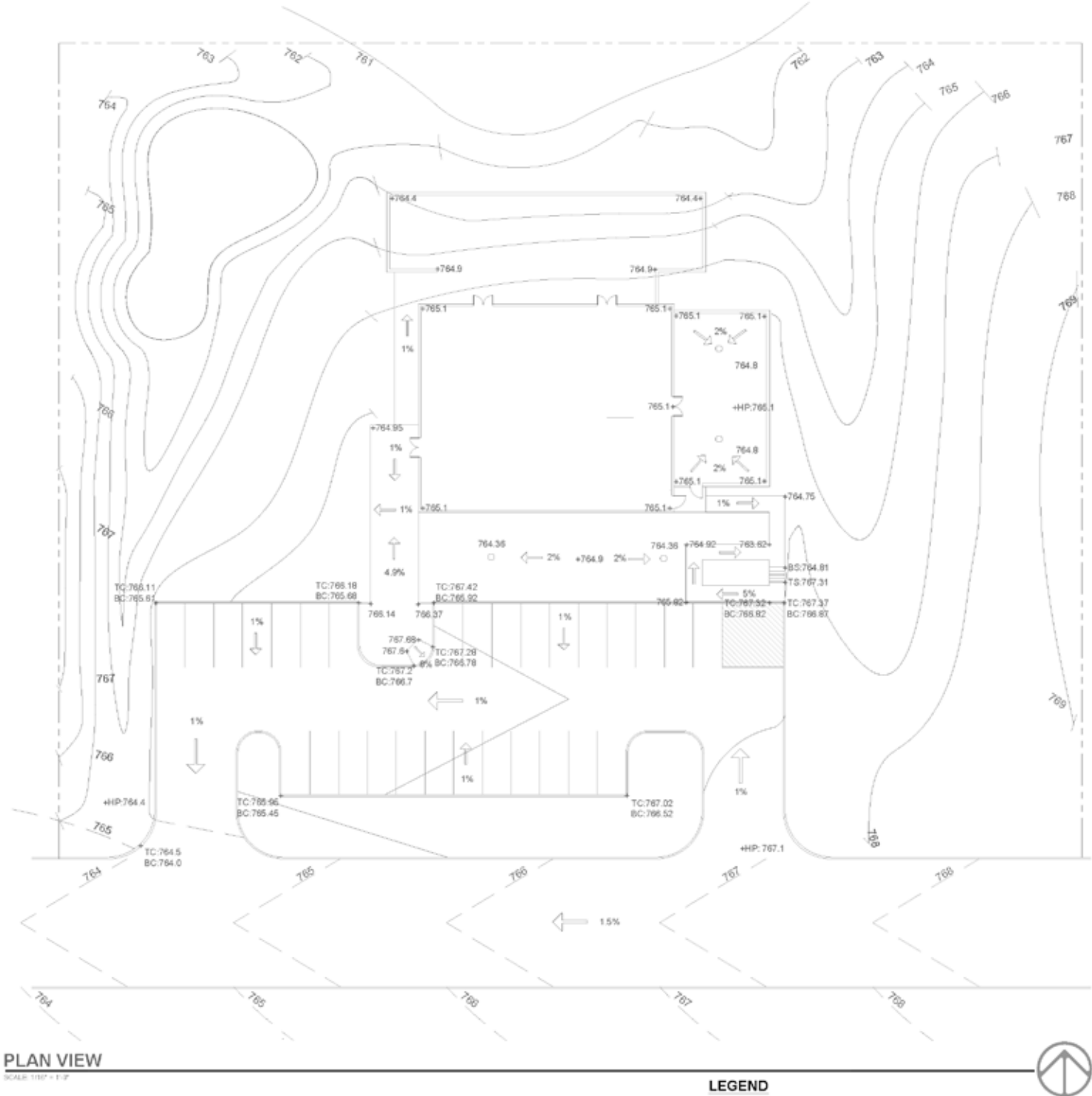




# Vista Peak Restaurant On The Hill

778 S. Garfield Ave.  
Monterey Park, CA 91754

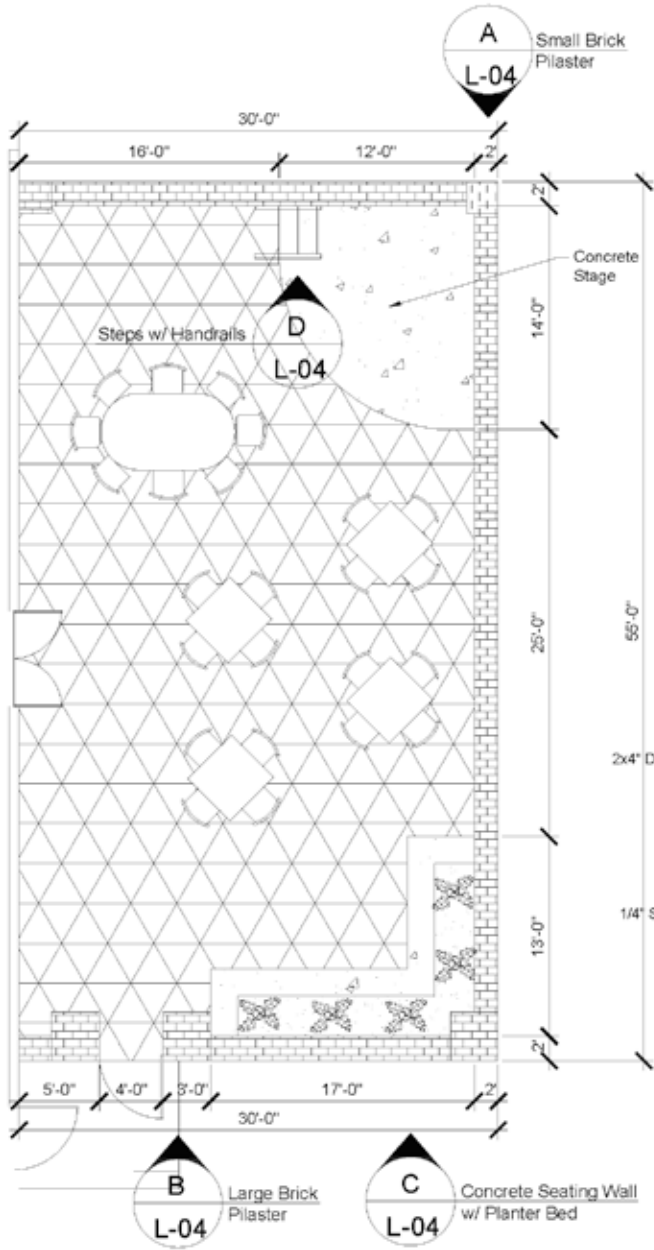
- List of Sheets:
- 0-.....Cover
  - L-01.....Grading Plan
  - L-02.....Staking Plan
  - L-03.....Patio Details
  - L-04.....Deck Details
  - L-05.....Water Feature Plan
  - L-06.....Water Feature Details
  - L-07.....Lighting Plan & Details
  - L-08.....Irrigation Plan
  - L-09.....Irrigation Details



PLAN VIEW  
SCALE: 1/8" = 1'-0"

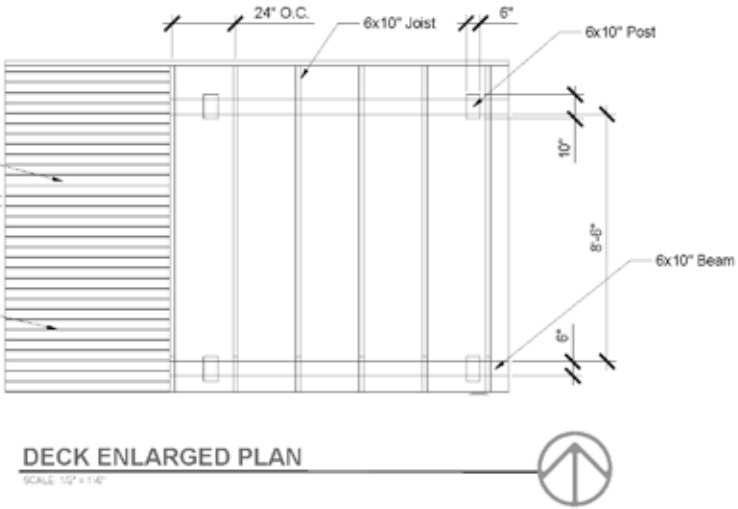
## GRADING PLAN

- LEGEND
- 1. TC: TOP OF CURB
  - 2. BC: BOTTOM OF CURB
  - 3. FFE: FINISHED FLOOR ELEVATION
  - 4. BS: BOTTOM OF STAIRS
  - 5. TS: TOP OF STAIRS
  - 6. RE: RIM ELEVATION

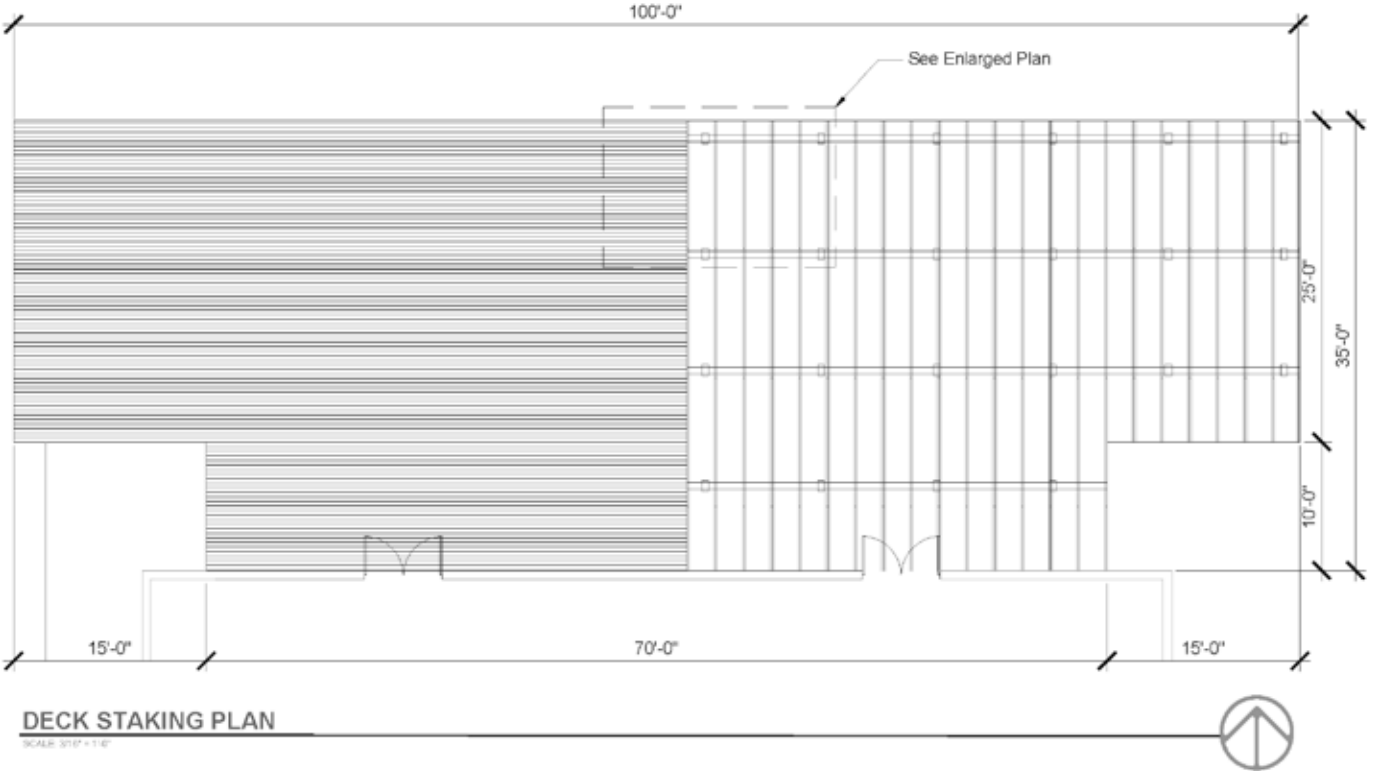


PATIO STAKING PLAN  
SCALE: 1/4" = 1'-0"

## CONSTRUCTION DOCUMENTS



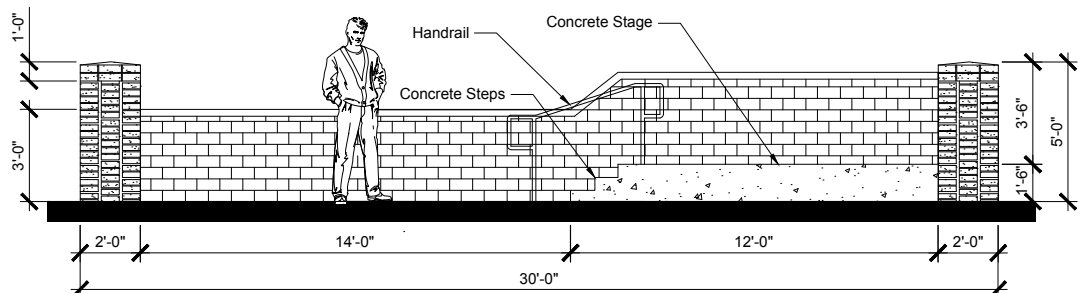
## STAKING PLAN



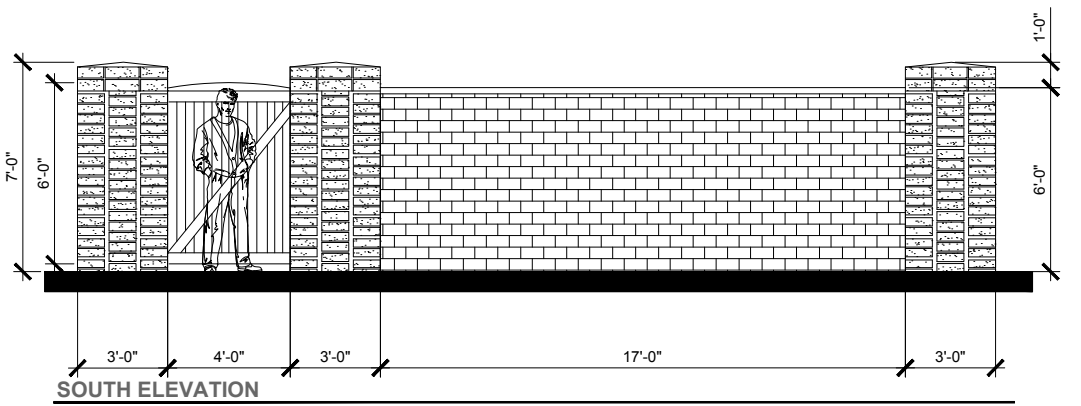
DECK STAKING PLAN  
SCALE: 1/8" = 1'-0"



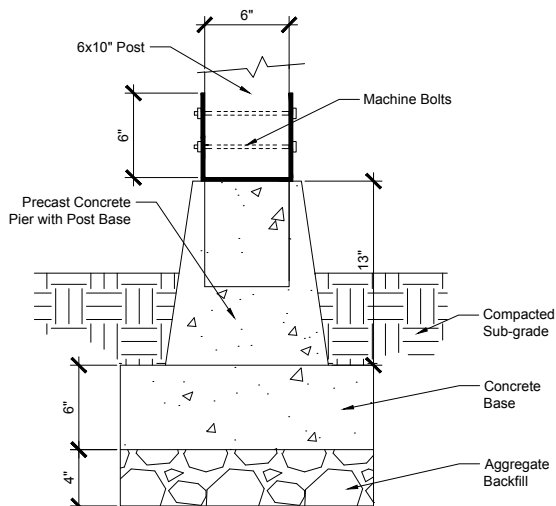
DECK DETAILS



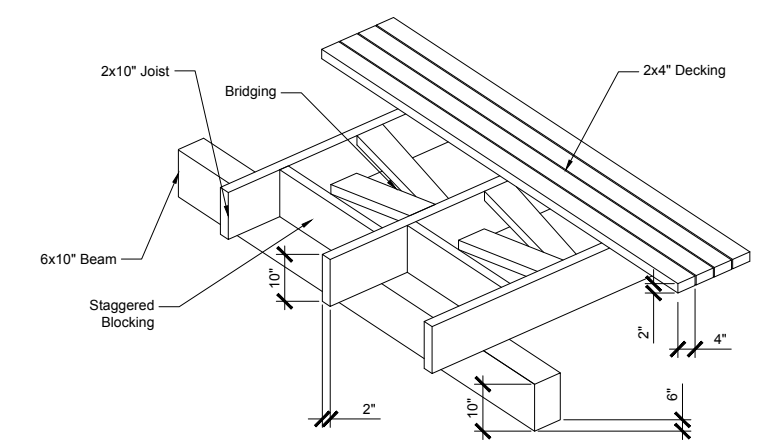
NORTH ELEVATION



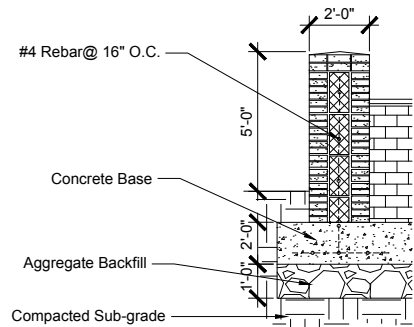
SOUTH ELEVATION



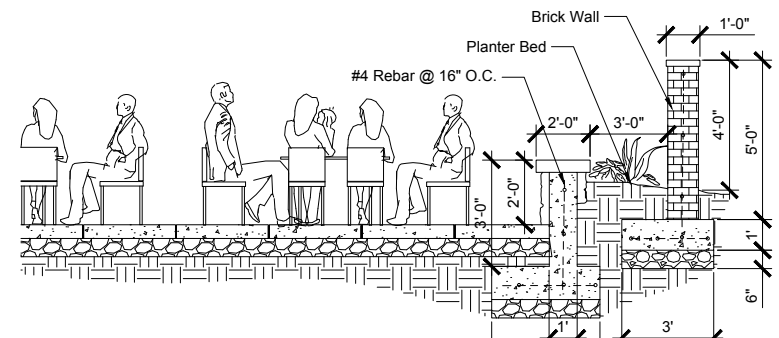
FOOTING TO POST



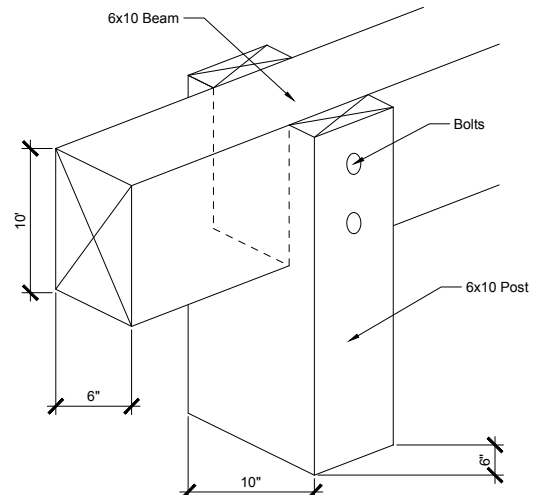
BEAM TO JOIST & JOIST TO DECKING



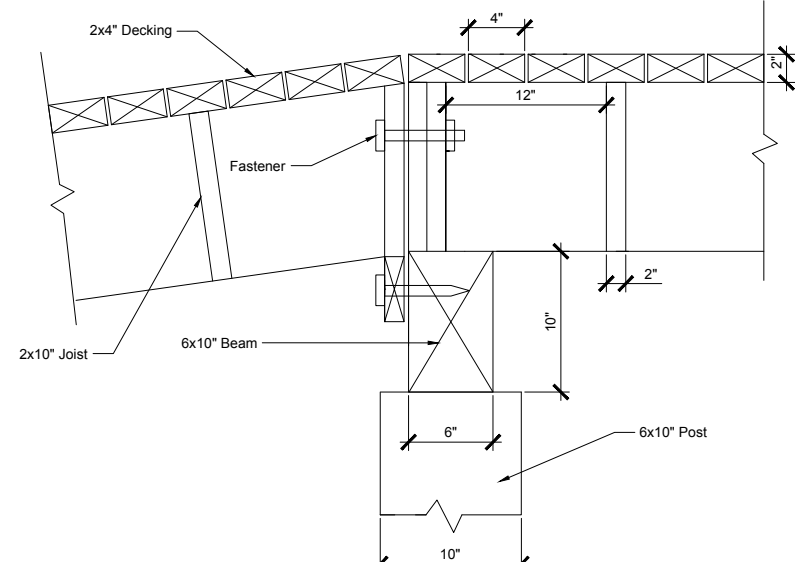
A SMALL PILASTER



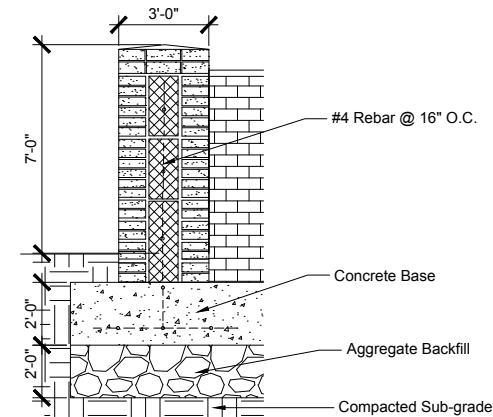
C SEATING WALL W/ PLANTER BED



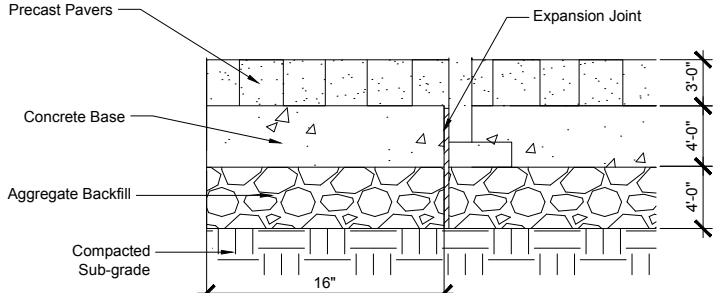
POST TO BEAM



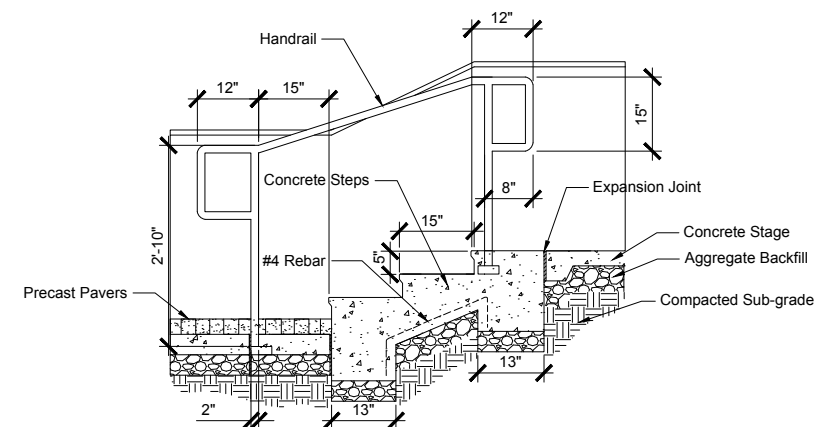
RAMP



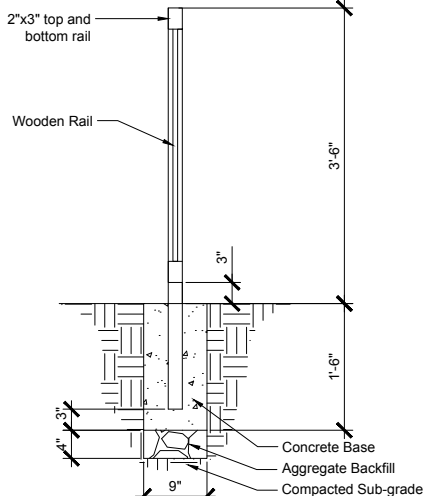
B LARGE PILASTER



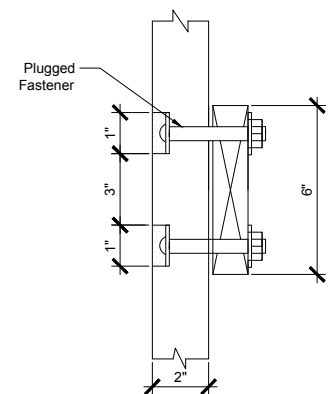
PAVING



D STEPS W/ HANDRAIL



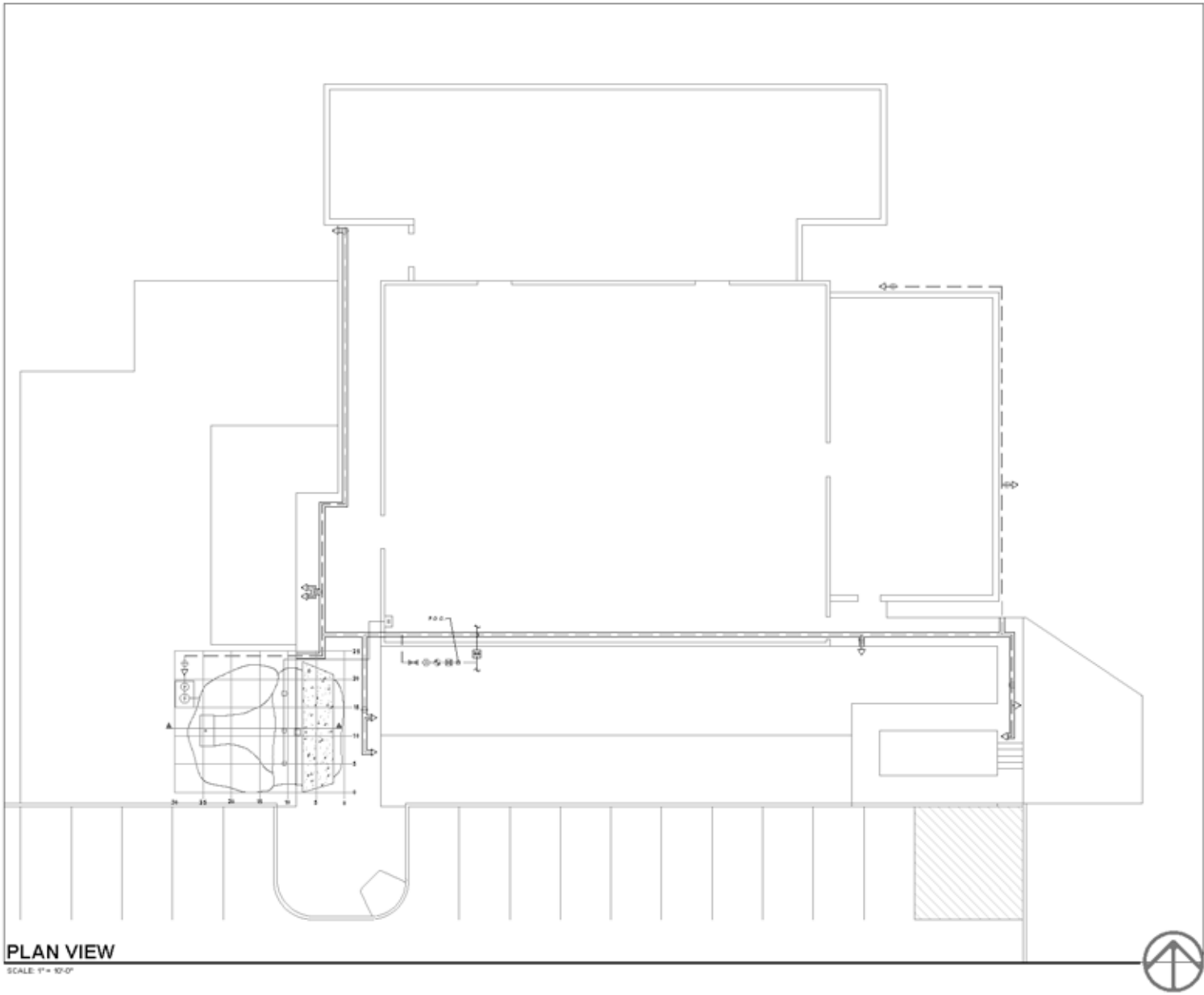
RAILING



FASTENER

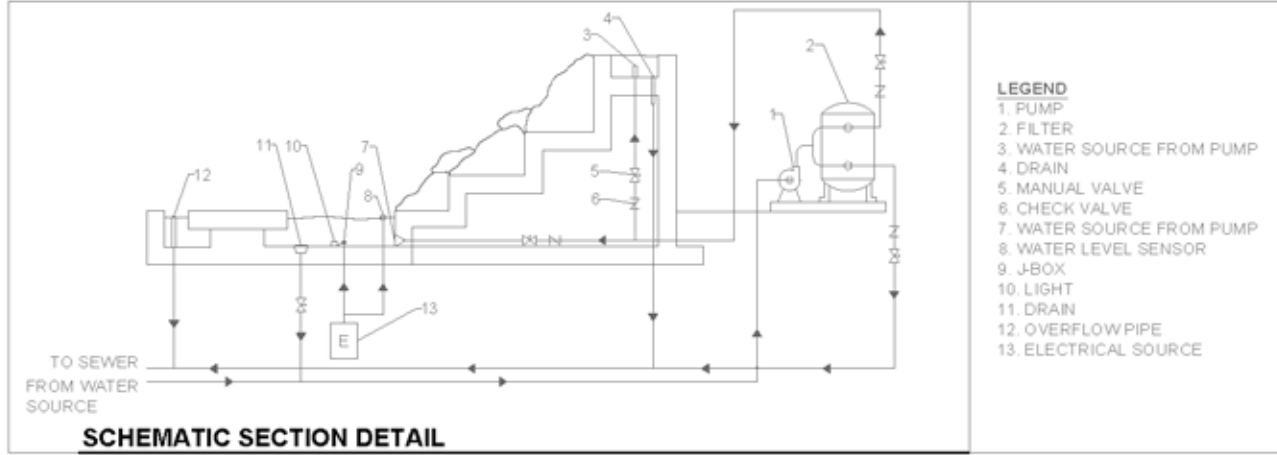
PATIO DETAILS





PLAN VIEW

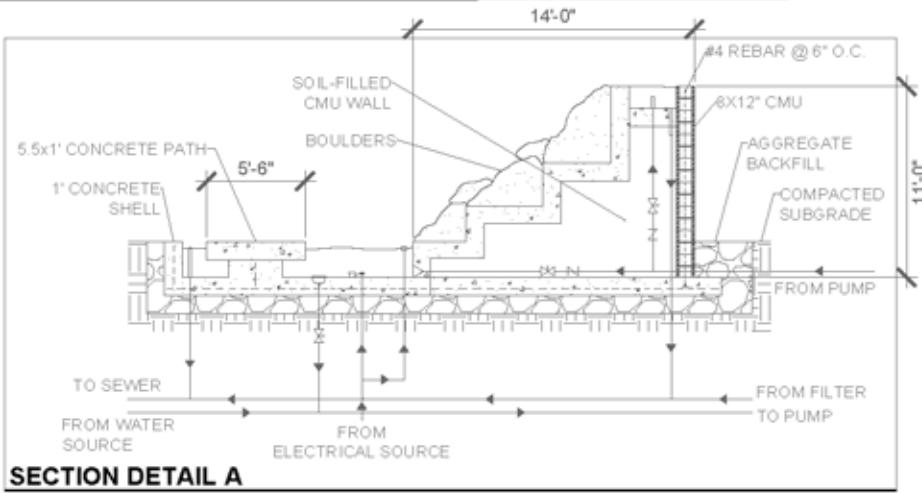
SCALE: 1" = 10'-0"



SCHEMATIC SECTION DETAIL

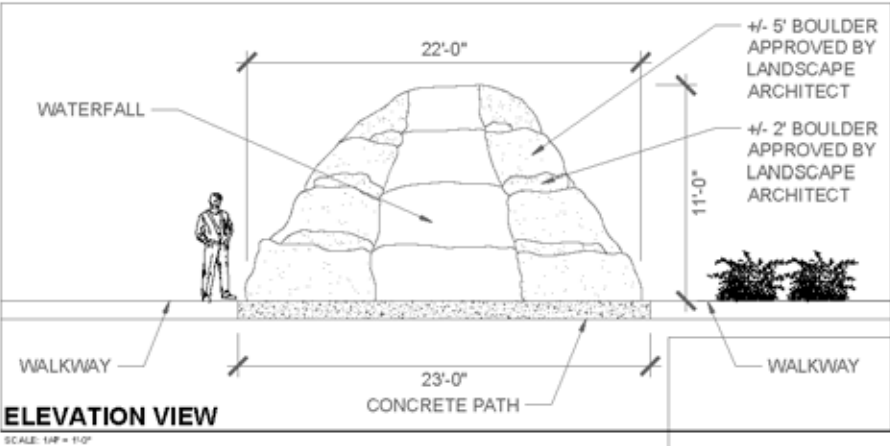
SCALE: 1/4" = 1'-0"

## WATER FEATURE DETAILS



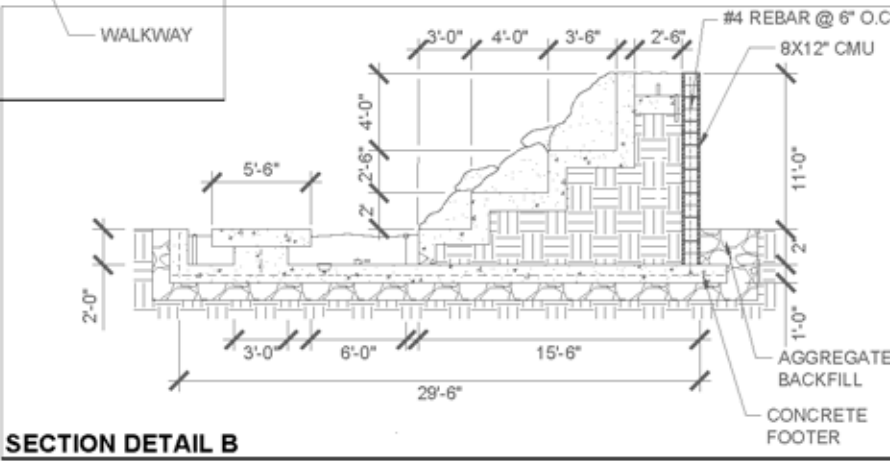
SECTION DETAIL A

SCALE: 1/4" = 1'-0"



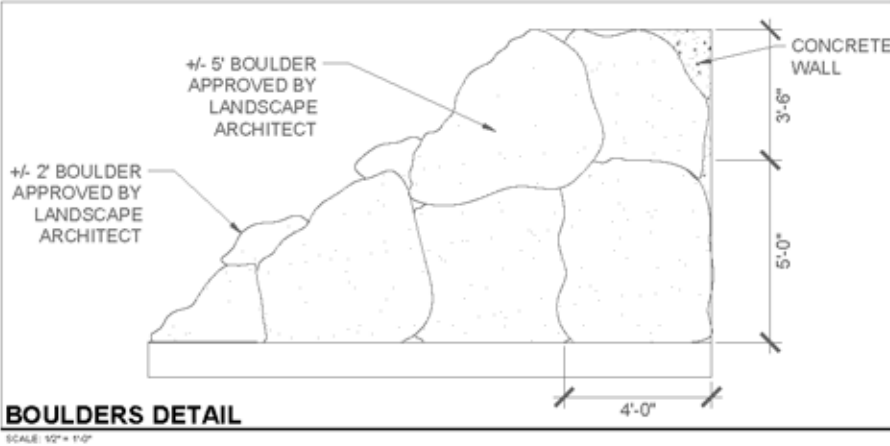
ELEVATION VIEW

SCALE: 1/4" = 1'-0"



SECTION DETAIL B

SCALE: 1/4" = 1'-0"



BOULDERS DETAIL

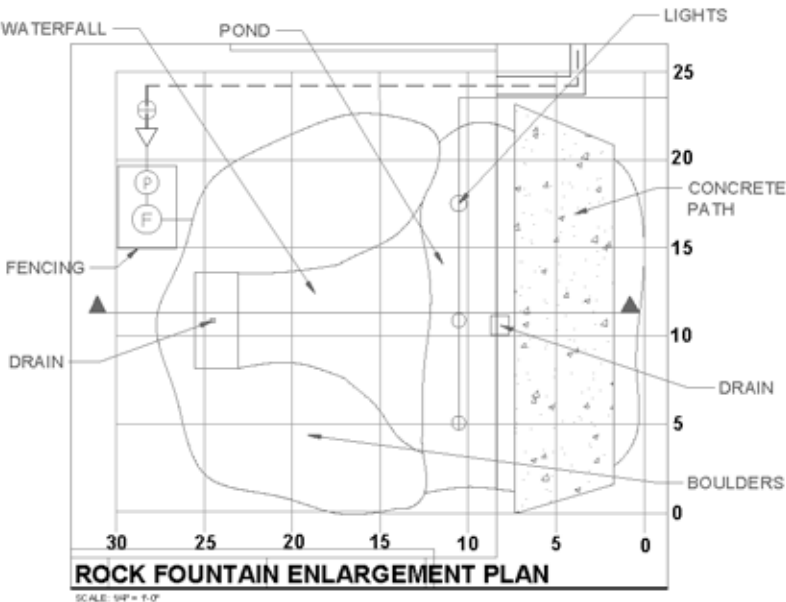
SCALE: 1/2" = 1'-0"

### WATER FEATURE NOTES

- THE CONTRACTOR SHALL VERIFY ALL DISTANCES AND DIMENSIONS IN THE FIELD AND BRING ANY DISCREPANCIES TO THE ATTENTION OF THE LANDSCAPE ARCHITECT FOR A DECISION BEFORE PROCEEDING WITH THE WORK.
- ALL WORK SHALL BE PERFORMED BY PERSONS FAMILIAR WITH FOUNTAIN CONSTRUCTION WORK AND UNDER SUPERVISION OF A QUALIFIED FOREMAN.
- THE FOUNTAIN CONTRACTOR SHALL PURCHASE ALL COMPONENTS, INSTALL ALL MECHANICAL ITEMS, AND PROVIDE ALL ELECTRICAL ITEMS TO THE ELECTRICAL CONTRACTOR FOR ELECTRICAL CONTRACTOR'S INSTALLATION.
- THE FOUNTAIN CONTRACTOR SHALL COMPLY WITH ALL THE LOCAL CODES GOVERNING FOUNTAIN CONSTRUCTION AS WELL AS THE LATEST PROVISIONS OF ARTICLE 680 OF THE NATIONAL ELECTRICAL CODE. INSTALL ALL SUBMERSIBLE ELECTRICAL EQUIPMENT FOR FOUNTAINS PER THE LATEST PROVISIONS OF ARTICLE 680 OF THE NATIONAL ELECTRICAL CODE.
- SPlicing OF UNDERWATER TYPE ST OR SD CORD SHALL OCCUR ONLY IN AN APPROVED UNDERWATER JUNCTION BOX AT THE SUMP OR PUMP FITS.
- THE FOUNTAIN CONTRACTOR SHALL PROVIDE WATER STOP FLANGE TYPE CONCRETE PENETRATION FITTINGS FOR EVERY PENETRATION OF THE POOL WALL OR FLOOR.
- PROVIDE MANUFACTURER'S DETAILED SHOP DRAWINGS OR ANNOTATED CATALOG CUTS OF ALL COMPONENTS FOR REVIEW BY THE LANDSCAPE ARCHITECT PRIOR TO ORDERING AND ASSEMBLING EQUIPMENT.
- THE FOUNTAIN CONTRACTOR SHALL PROVIDE TWO LOOSE LEAF OWNER'S OPERATION AND MAINTENANCE MANUALS FOR COMPLETED INSTALLATION PRIOR TO FINAL ACCEPTANCE BY OWNER OF FOUNTAIN INSTALLATION.
- GROUND FAULT INTERRUPTERS MUST BE INSTALLED IN ALL CIRCUITS SUPPLYING SUBMERSIBLE ELECTRIC FOUNTAIN EQUIPMENT PER THE LATEST PROVISIONS OF ARTICLE 680 OF THE NATIONAL ELECTRICAL CODE.
- RECOMMENDED MATERIAL FOR ALL PIPE AND CONDUITS SHALL BE PVC SCHEDULE 40.
- AUTOMATIC WATER LEVEL CONTROL TO BE PROVIDED IN ALL SYSTEMS.

### LEGEND

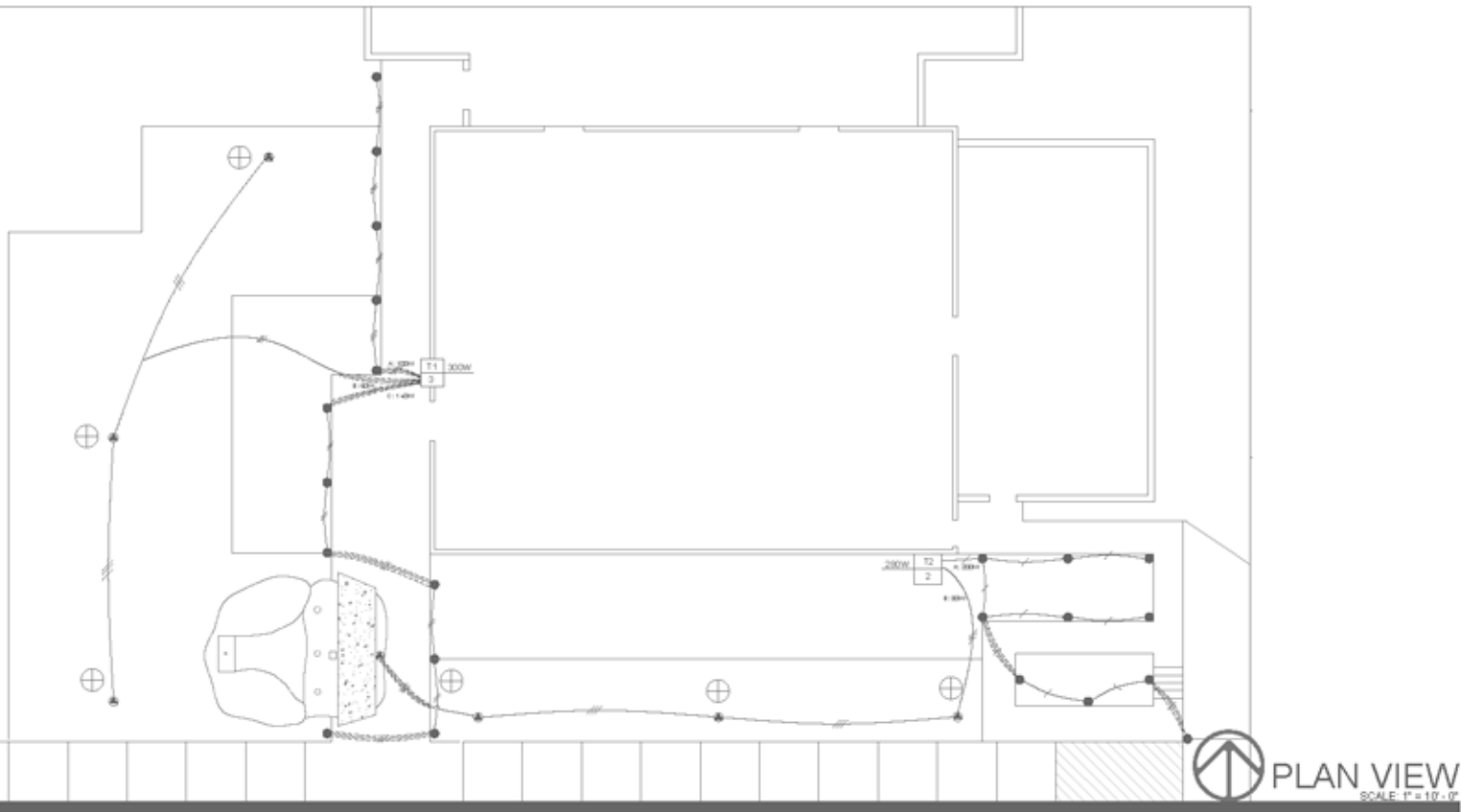
SYMBOL	DESCRIPTION
	PUMP
	FILTER
	ELECTRICAL SOURCE
	1" PLASTIC VALVE'S W/ FLOW CONTROL
	PVC SCHEDULE 40 BALL VALVE
	NORMALLY CLOSED MASTER VALVE-1-1/4" SIZE
	1-1/4" REDUCED PRESSURE BACKFLOW PREVENTER
	1-1/4" PRESSURE REGULATOR
	GATE VALVE, LINE SIZE
	EXISTING 3/4" POTABLE WATER METER, TO BE USED FOR IRRIGATION POINT OF CONNECTION
	MANLINE PIPING-SCHEDULE 40 P.V.C. -ALL 1-1/4" SIZE
	ELECTRICAL LINE
	SLEEVING FOR MAINLINE UNDER PAVING-SCHEDULE 40 P.V.C.-(TO BE 2x SIZE OF ENCLOSED PIPING)
	XFS SUB-SURFACE DRIPLINE W/ COPPER SHIELD TECHNOLOGY
	SLEEVING FOR VALVE WIRES UNDER PAVING-SCHEDULE 40 P.V.C.-2" SIZE, OR NOTED



ROCK FOUNTAIN ENLARGEMENT PLAN

SCALE: 1/4" = 1'-0"





LEGEND											
SYMBOL	MANUFACTURER	MODEL	DESCRIPTION	FINISH	LAMP	BEAM	WATTS	MOUNT	TRANSFORMER 1		
●	FX LUMINAIRE	CV-20-12R	PATHLIGHT	COPPER	XENON G4	4 FT	20W	CDS	100	140	200
●	FX LUMINAIRE	VL-20	DOWNLIGHT	COPPER	HALOGEN AR-11	83 IN	20W	---	---	60	80
⊕	FX LUMINAIRE	LX-300	TRANSFORMER	---	---	---	300W	---	---	300	280
⊕	---	---	TREE TRUNK	---	---	---	---	---	---	---	---

----- SLEEVING FOR WIRES UNDER PAVING

----- WIRING SIZING CHART

----- #0 WIRE, DIRECT BURIAL LINE

----- #10 WIRE, DIRECT BURIAL LINE

----- #12 WIRE, DIRECT BURIAL LINE

----- T# W TOTAL WATTS

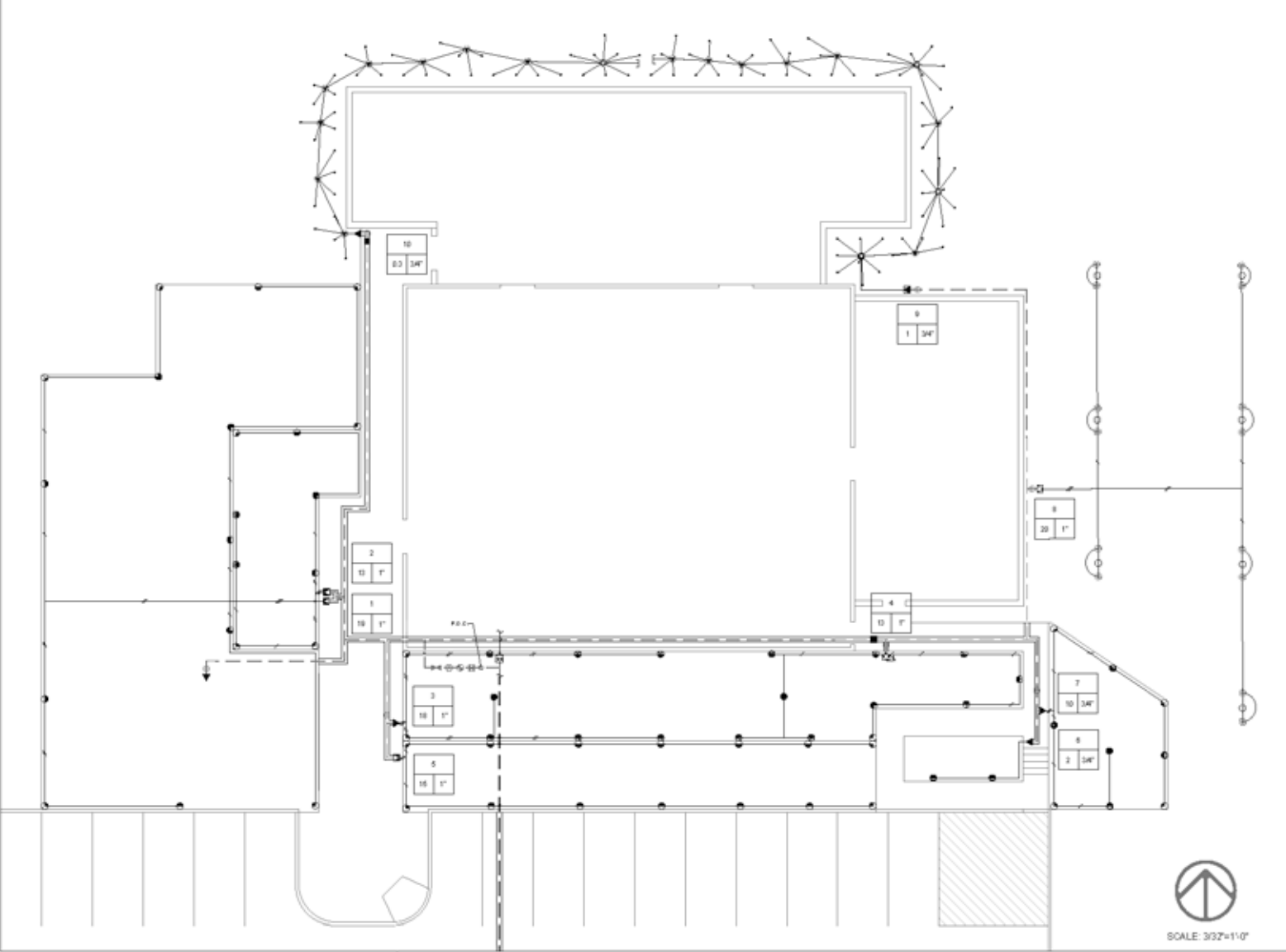
----- # OF CIRCUITS

## CONSTRUCTION NOTES

- The supply and installation of a 12 volt landscape lighting system which includes the fixtures specified on Lighting Legend as well as the installation of low voltage transformers and direct burial cable necessary to complete layout as shown. This lighting plan is diagrammatic and is intended to show general fixture locations and utilities. Contractor is responsible for necessary line (120v) and low voltage (12v) work to complete the lighting design as shown.
- All work performed is to comply with the Uniform Building Code, California Electrical Code Title 8, and all local codes and ordinances. Contractor shall possess all necessary licenses to complete described work and shall carry general liability and workers compensation insurance. Contractor is to obtain all necessary permits to complete work described.
- A contractor is to verify site measurements, grades, existing chase line sleeves, existing plant locations and existing utilities, equipment and switching controls. Contractor is to provide all necessary components and accessories to complete installation as specified.
- Cabling shown on plan is for fixture grouping only. Cable to be circuited and sized to provide a minimum of 10.5 volts and a maximum of 11.5 volts to all lighting fixtures. Refer to FX Luminaire®'s "Circuiting Guidelines" included with the transformer. Minimum underground low voltage cable size is 12-gauge multi-strand direct burial. Install cable along the edge of hardscape and mowstrips whenever possible. Minimum cable depth is 8". Contractor is to install 1" PVC chase line sleeves with sweep corner for any cable run under hardscape or difficult to access areas such as at grade decks and high impact areas such as color planters that receive seasonal color changes. Leave 24" loops at all fixture locations for final adjustment. All wire junctions shall be waterproofed with FX Luminaire® Litalsplice+C102™ connectors or APPROVED equal. Only fully encapsulated waterproof connectors rated for direct burial will be accepted. Black-faced connections will be rejected.
- Verify exact location with Landscape Architect or owner's agent before commencing installation. All fixtures shall be in a new, unused condition. Equipment shall be the type specified - there will be no substitutions without prior APPROVAL from Landscape Architect or Owner's agent. Install all equipment as per manufacturer's specifications and details.
- Shall be FX Luminaire® stainless steel PotenzaX Transformer sized to be 100% loaded. Transformers to be installed inconspicuously using plant material or site features to obscure a direct view of their locations. Avoid locations that are easily accessible to children or that are in a direct path of irrigation water. Install transformers 12" off finish grade and level. All wires leading to or from transformer shall be in conduit sleeve that is firmly affixed to mounting surface. All junction boxes and other equipment shall be UL approved for wet location. Plant transformers and any necessary junction boxes or conduit to match the surface on which they are mounted. Install transformers according to manufacturer's specifications and local codes. All exposed metal parts including transformers shall be permanently grounded in accordance with the National Electrical Code that is firmly affixed to mounting surface.
- Verify final fixture location prior to installation. Tree cable shall be 14-16 gauge brown or black low voltage two-conductor. Run 12 gauge cable only if 14 gauge will not provide fixtures with the 10.5 volt minimum. Install cable on the side opposite primary wire with nylon C-clips and a single stainless screw. Do not use staples, as the tree will expand, cutting into cable. Leave a slight slack in tree cable to allow for expansion of the tree. Make connections in FX Mini J-boxes using the included yellow wire nuts. If no Mini J-box is used, mount the connection so that the wire nuts are pointed up, preventing any water from collecting in them. Lightly spray paint wire and connection to match tree color - typically Kylon primer gray or flat black.
- Contractor is to coordinate a convenient time in the evening to test and align all equipment to the satisfaction of the Landscape Architect or Owner's agent.
- Upon completion and acceptance of the described work, the Contractor shall provide a guarantee for all workmanship and equipment for the period of one year from the date of acceptance. All warranty service work shall be performed at no cost to Owner and be done on site when possible.
- Before final payment is released, Contractor will provide Owner, at a predetermined cost, with a complete and reproducible drawing of the system layout as it was actually installed. This drawing should include the location of underground cable, chase line sleeves, and all fixtures and equipment.

## IRRIGATION NOTES

- DO NOT WILLFULLY INSTALL THE SYSTEM AS DESIGNED, WHEN IT IS OBVIOUS THAT OBSTRUCTIONS OR GRADE DIFFERENCES EXIST THAT WERE NOT KNOWN DURING DESIGNING. SUCH CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNERS AUTHORIZED REPRESENTATIVE, OTHERWISE THE IRRIGATION CONTRACTOR MUST ASSUME FULL RESPONSIBILITY FOR ANY REVISIONS NECESSARY.
- THIS DESIGN IS DIAGRAMMATIC. EQUIPMENT SHOWN IN PAVED AREAS IS FOR CLARIFICATION ONLY, AND IS TO BE INSTALLED IN PLANTING AREA WHEREVER POSSIBLE.
- UNLESS OTHERWISE NOTED, 120 VOLT ELECTRICAL POWER FOR CONTROLLER(S) TO BE PROVIDED BY OTHERS. THE IRRIGATION CONTRACTOR WILL MAKE FINAL ELECTRICAL CONNECTION TO AUTOMATIC CONTROLLER(S) FROM OUTLET PROVIDED BY OTHERS.
- ALL WIRES FROM CONTROLLER TO AUTOMATIC VALVES TO BE COPPER, DIRECT BURIAL, MIN. #14 GAUGE. INSTALL IN SAME TRENCH AS MAINLINE PIPING WHERE POSSIBLE. MIN. COVERAGE OVER WIRE TO BE 24". COMMON WIRE TO BE WHITE IN COLOR. CONTROL WIRES TO BE A DIFFERENT COLOR FOR EACH CONTROLLER USED. BUNDLE AND TAPE WIRES TOGETHER MIN. 10" ON CENTER.
- FINAL LOCATIONS FOR BACKFLOW PREVENTER(S) AND CONTROLLER(S) TO BE DETERMINED BY OWNERS AUTHORIZED REPRESENTATIVE.
- INSTALL EQUIPMENT AS PER DETAILS.
- PROVIDE MIN. 24" COVERAGE OVER ALL PRESSURE LINES, AND A MIN. OF 18" COVERAGE OVER ALL NON-PRESSURE LINES. ALL PIPING UNDER PAVING TO BE MIN. SCHEDULE 40 P.V.C. AND TO HAVE MIN. 24" COVER OVER PIPING.
- IRRIGATION CONTRACTOR TO FLUSH ALL LINES AND ADJUST ALL SPRINKLERS FOR MAXIMUM PERFORMANCE, AND TO PREVENT EXCESSIVE OVERSPRAY ONTO WALKS, DRIVES, BUILDINGS AS MUCH AS POSSIBLE. THIS SHALL INCLUDE SELECTING THE BEST DEGREE OF ARC TO FIT ACTUAL SITE CONDITIONS.
- ALL SHRUBBERY SPRINKLERS ADJACENT TO PARKING LOT OR ALONG WALKS OR ROADS WILL BE INSTALLED WITH HIGH POP-UP BODIES.
- IRRIGATION CONTRACTOR WILL INSTALL SWING CHECK VALVES OR SPRING LOADED CHECK VALVES AS REQUIRED TO ELIMINATE EXCESSIVE DRAINAGE FROM LOW SPRINKLERS. THIS WILL BE IN ADDITION TO ANY CHECK VALVES SHOWN ON PLAN.
- ALL P.V.C. MAINLINE FITTINGS TO BE "LONG SOCKET" TYPE AS MANUFACTURED BY DURA COMPANY.
- UPON COMPLETION, IRRIGATION CONTRACTOR TO SUPPLY TO OWNER, A COMPLETE SET OF REPRODUCIBLE "AS-BUILT" DRAWINGS. DRAWINGS WILL SHOW LOCATION OF ALL VALVES, CROSSINGS, QUICK COUPLING VALVES, ETC. EACH CONTROLLER TO HAVE ITS OWN CONTROLLER CHART. CHART WILL CLEARLY SHOW EACH AREA SPRINKLED IN A DIFFERENT COLOR, AND WILL BE LAMINATED BETWEEN 2 LAYERS OF 10 MIL. CLEAR PLASTIC.
- INITIALLY THE IRRIGATION SYSTEM TO BE CONNECTED TO POTABLE WATER LINE. WHEN AVAILABLE SYSTEM WILL BE CONNECTED TO RECLAIMED WATER LINE. SYSTEM TO BE INSTALLED IN STRICT ACCORDANCE WITH REQUIREMENTS AND REGULATIONS PERTAINING TO THE USE OF RECLAIMED WATER FOR IRRIGATION SYSTEMS.
- THE IRRIGATION SYSTEM SHALL BE FULLY GUARANTEED FOR A PERIOD OF ONE YEAR FROM DATE OF ACCEPTANCE BY OWNER. ANY DEFECTIVE MATERIALS OR POOR WORKMANSHIP SHALL BE REPLACED OR CORRECTED BY IRRIGATION CONTRACTOR AT NO COST TO OWNER.



# PLAN

THAT OBSTRUCTIONS OR GRADE  
ITIONS SHALL BE BROUGHT TO THE  
RIGATION CONTRACTOR MUST ASSUME

CLARIFICATION ONLY, AND IS TO BE

S) TO BE PROVIDED BY OTHERS, THE  
MATIC CONTROLLER(S) FROM OUTLET

T BURIAL, MIN. #14 GAUGE. INSTALL  
R WIRE TO BE 24". COMMON WIRE TO  
H CONTROLLER USED. BUNDLE AND TAPE

DETERMINED BY OWNERS AUTHORIZED

\* COVERAGE OVER ALL NON-PRESSURE LINES.  
MIN. 24" COVER OVER PIPING.

FOR MAXIMUM PERFORMANCE, AND TO  
AS POSSIBLE, THIS SHALL INCLUDE

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E YEAR FROM DATE OF ACCEPTANCE  
PLACED OR CORRECTED BY IRRIGATION

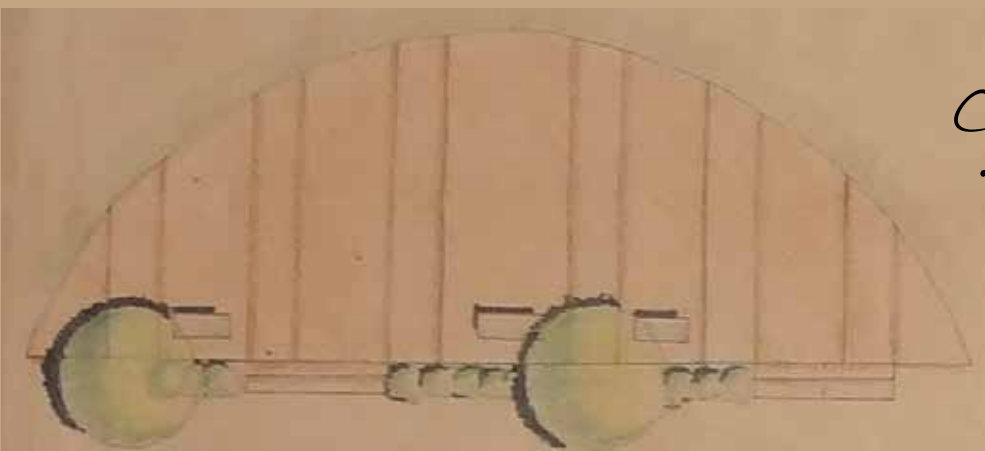
## LEGEND

SYMBOL	MANUFACTURER	MODEL #	DESCRIPTION	GPM	RAD.	P.S.I.
●	RAIN BIRD	1804-SAM-8H	MATCHED PRECIPITATION RATE NOZZLES	0.42	8	20
●	RAIN BIRD	1804-SAM-12F	MATCHED PRECIPITATION RATE NOZZLES	2.10	10	20
●	RAIN BIRD	1804-SAM-12H	MATCHED PRECIPITATION RATE NOZZLES	1.05	10	20
●	RAIN BIRD	1804-SAM-15H	MATCHED PRECIPITATION RATE NOZZLES	1.50	12	20
●	RAIN BIRD	1804-SAM-15Q	MATCHED PRECIPITATION RATE NOZZLES	0.75	12	20
●	RAIN BIRD	1804-SAM-6-VAN (180 Arc)	VARIABLE ARC NOZZLES	0.49	5	20
●	RAIN BIRD	1804-SAM-10-VAN (360 Arc)	VARIABLE ARC NOZZLES	2.32	8	20
●	RAIN BIRD	1804-SAM-12-VAN (180 Arc)	VARIABLE ARC NOZZLES	0.93	10	20
●	RAIN BIRD	1804-SAM-12-VAN (270 Arc)	VARIABLE ARC NOZZLES	1.39	10	20
●	RAIN BIRD	1804-SAM-15-VAN (180 Arc)	VARIABLE ARC NOZZLES	1.50	12	20
●	RAIN BIRD	1804-SAM-15-VAN (270 Arc)	VARIABLE ARC NOZZLES	2.25	12	20
●	RAIN BIRD	1804-SAM-18-VAN (180 Arc)	VARIABLE ARC NOZZLES	2.35	15	20
●	RAIN BIRD	1804-SAM-18-VAN (90 Arc)	VARIABLE ARC NOZZLES	1.17	15	20
●	RAIN BIRD	1300A-F	ADJUSTABLE FULL-CIRCLE BUBBLER	1.40	-	20
●	RAIN BIRD	EMT-6XERI	6 OUTLET MANIFOLD			
●	RAIN BIRD	XBD-81	XERI-BIRD 8 MULTI-OUTLET EMISSION DEVICE			
▼	RAIN BIRD	075-DV	3/4" PLASTIC VALVES W/ FLOW CONTROL			
▼	RAIN BIRD	100-DV	1" PLASTIC VALVES W/ FLOW CONTROL			
▼	RAIN BIRD	LFV-075	3/4" LOW FLOW DV VALVES			
▼	RAIN BIRD	LFV-100	1" LOW FLOW DV VALVES			
▼	RAIN BIRD	3-RC	QUICK-COUPLING VALVES			
●	NIBCO	4660-S	PVC SCHEDULE 40 BALL VALVE			
●	SUPERIOR	3000	NORMALLY CLOSED MASTER VALVE- 1-1/4" SIZE			
●	FEBCO	825Y	1-1/4" REDUCED PRESSURE BACKFLOW PREVENTER			
●	WILKINS	500	1-1/4" PRESSURE REGULATOR			
●	NIBCO	T-113	GATE VALVE, LINE SIZE			
■	EXISTING 3/4" POTABLE WATER METER, TO BE USED FOR IRRIGATION POINT OF CONNECTION.					
						
MAINLINE PIPING-SCHEDULE 40 P.V.C. -ALL 1-1/4" SIZE.						
LATERAL PIPING CLASS 200 IPS PLASTIC P.V.C.						
SLEEVING FOR MAINLINE UNDER PAVING-SCHEDULE 40 P.V.C.-( TO BE 2x SIZE OF ENCLOSED PIPING)						
XFS SUB-SURFACE DRIFLINE W/ COPPER SHIELD TECHNOLOGY						
SLEEVING FOR VALVE WIRES UNDER PAVING-SCHEDULE 40 P.V.C. -2" SIZE, OR NOTED						
LATERAL PIPE SIZING CHART						
						
1/2" 0 G.P.M. TO 3.00 G.P.M.						
3/4" 3.1 G.P.M. TO 6.00 G.P.M.						
1" 6.1 G.P.M. TO 12.00 G.P.M.						
1-1/4" 12.1 G.P.M. TO 20.00 G.P.M.						



# SUBURBAN ALLUVIUM

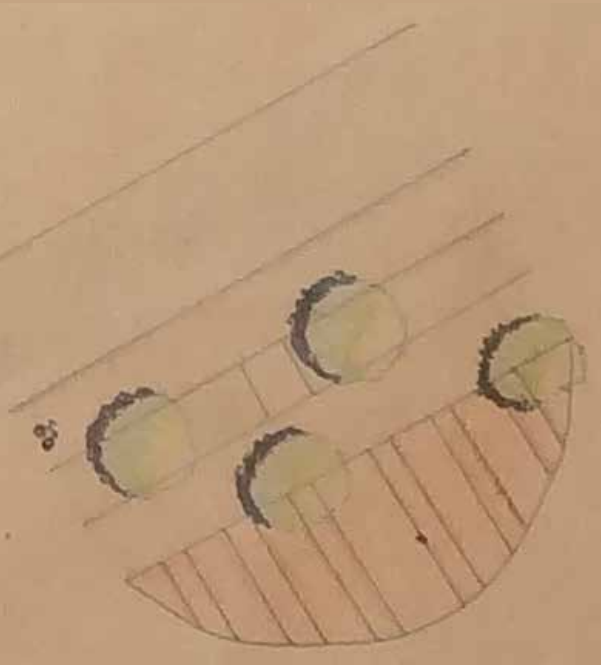
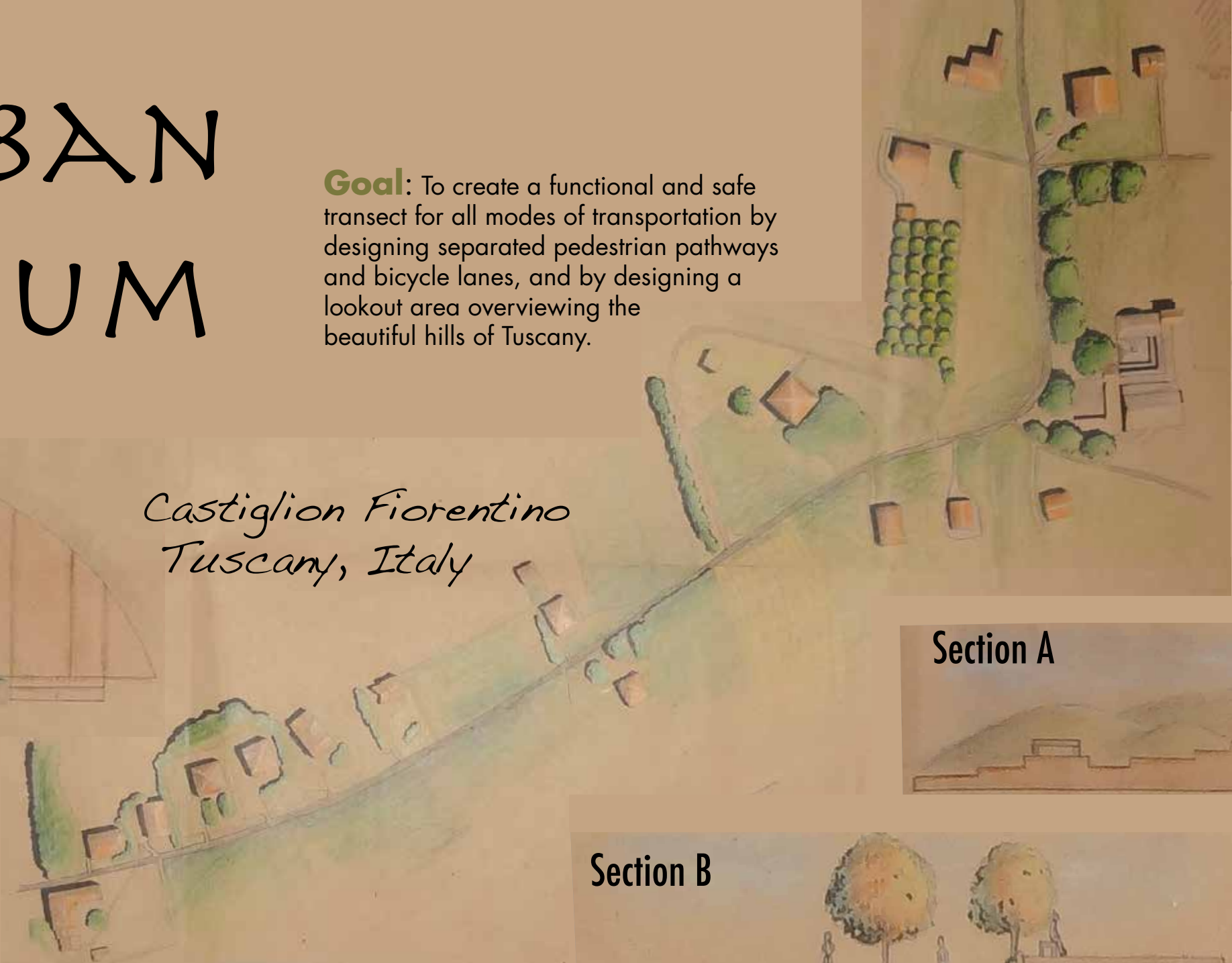
**Goal:** To create a functional and safe transect for all modes of transportation by designing separated pedestrian pathways and bicycle lanes, and by designing a lookout area overlooking the beautiful hills of Tuscany.



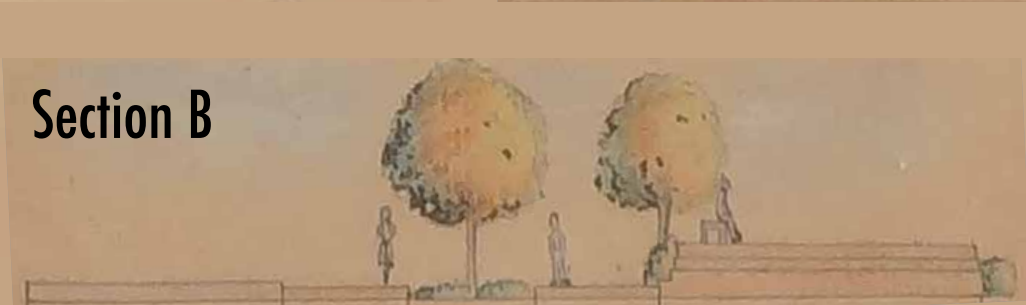
Viewing Platform

*Castiglion Fiorentino  
Tuscany, Italy*

Transect

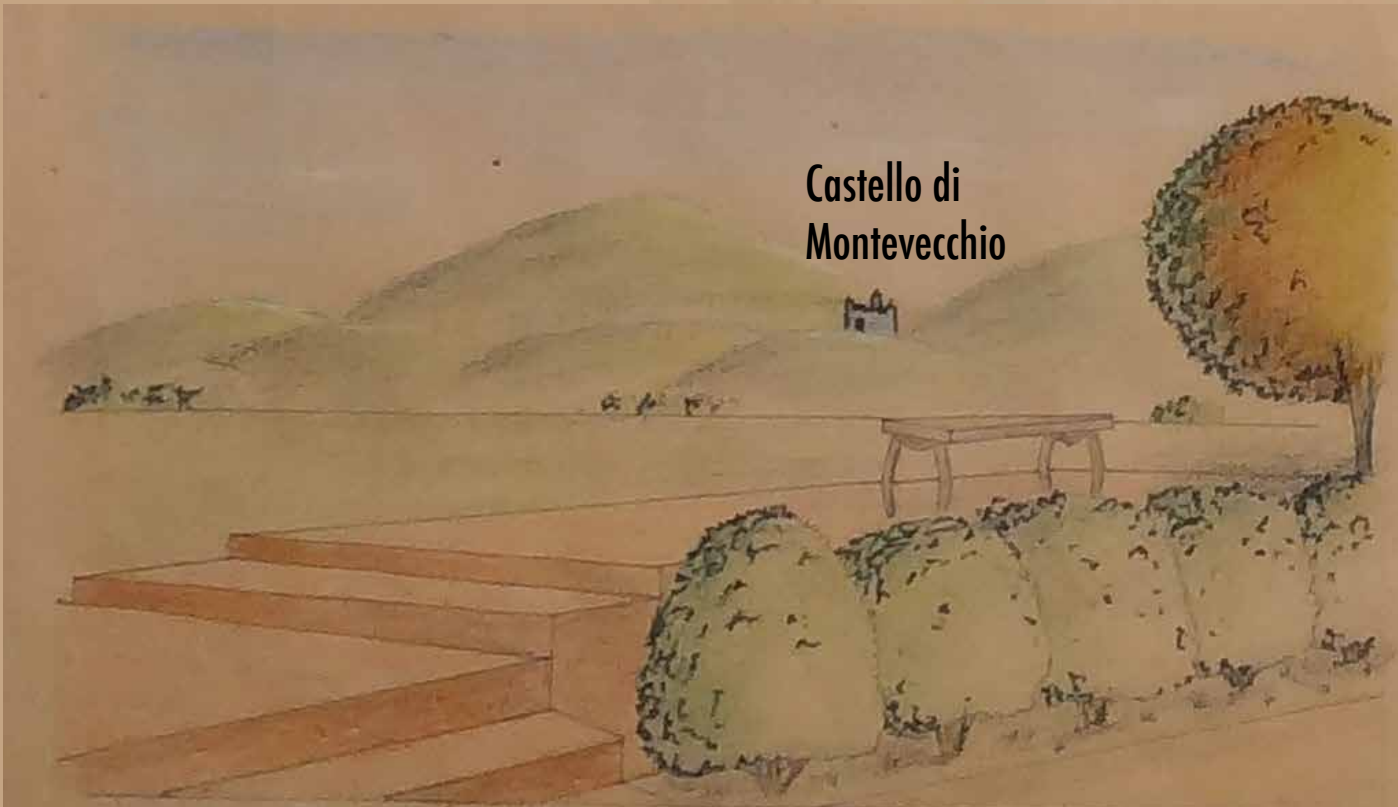


Section A

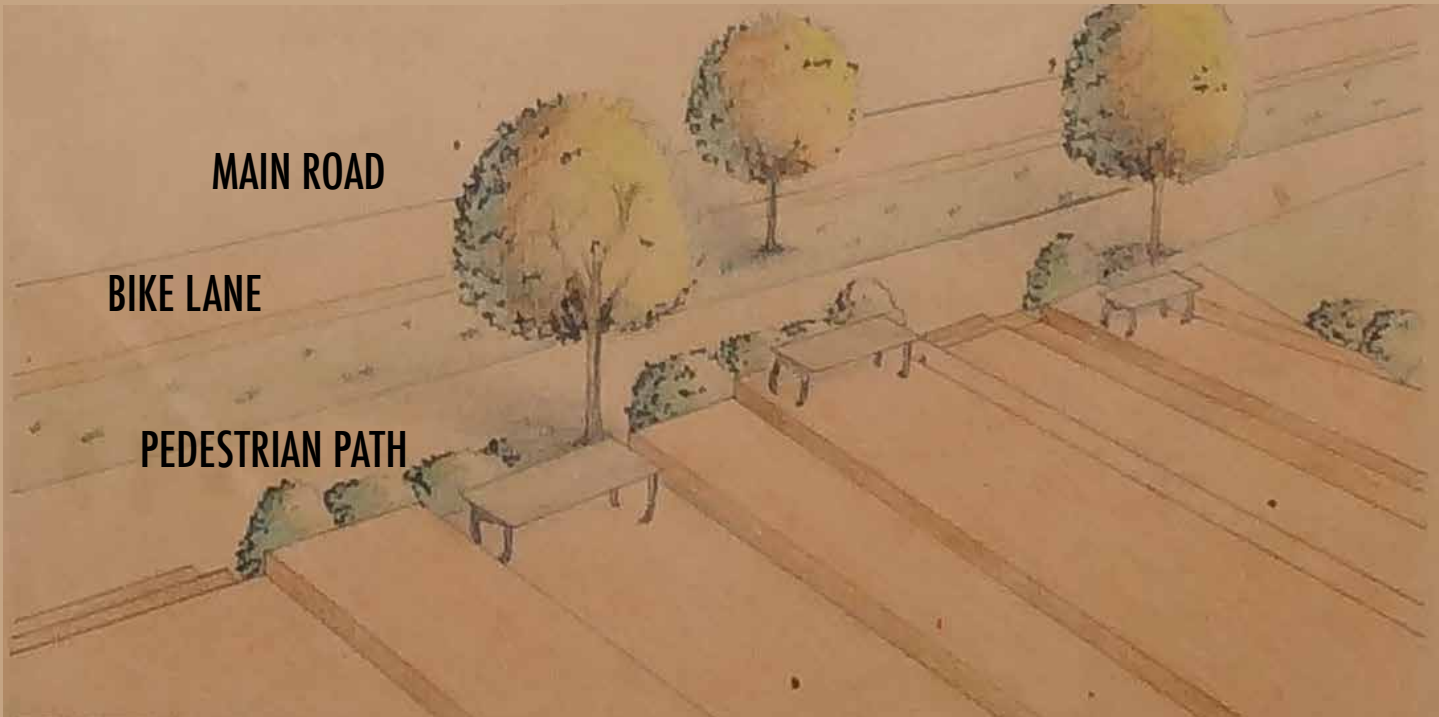


Section B

The platform is designed at the different heights representing the heights of the rolling hills, and curved to represent its curvature.



*Castello di  
Montecatini*



MAIN ROAD

BIKE LANE

PEDESTRIAN PATH



# URBAN

## South Park District

## Downtown Los Angeles, California

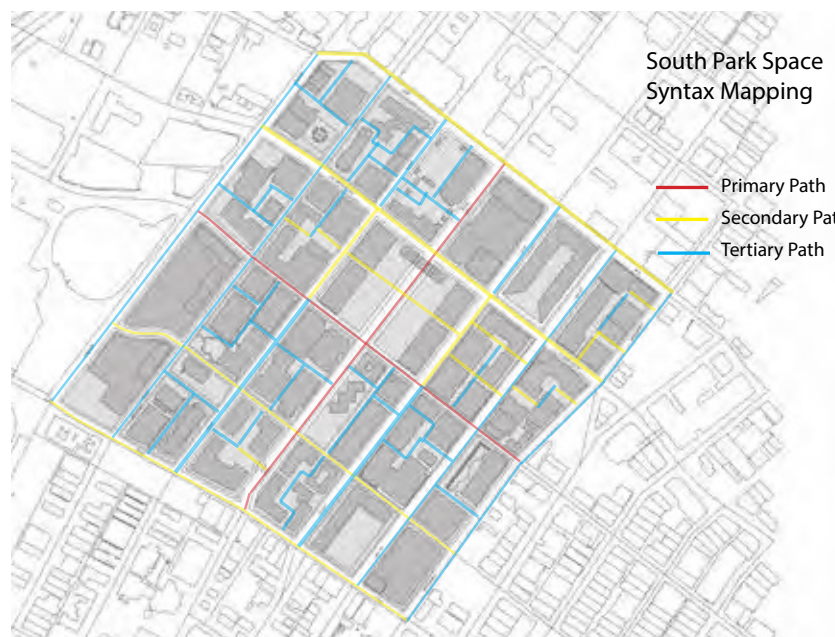
**GOAL:** To provide an enhanced urban experience, while simultaneously promoting a sense of residential community within Downtown Los Angeles.



**OBJECTIVES:**

- Design plazas and open spaces
- Promote sustainability
- Provide a pedestrian-friendly environment
- Enhance the streetscape experience
- Convert unused spaces for public gathering
- Create more community opportunities
- Promote mixed use development
- Provide Inclusionary Housing
- Create more development for better security
- Promote a better shopping and dining experience
- Provide bicycle lanes

### OPEN SPACE OPPORTUNITIES



### PEDESTRIAN TRAFFIC



### VEHICULAR TRAFFIC



### BICYCLE TRAFFIC



# URBAN EXPERIENCE



# RESIDENTIAL + BUSINESS



## PARK SPACE





# URBAN

South Park District

*Downtown Los Angeles, California*

## SOUTH PARK







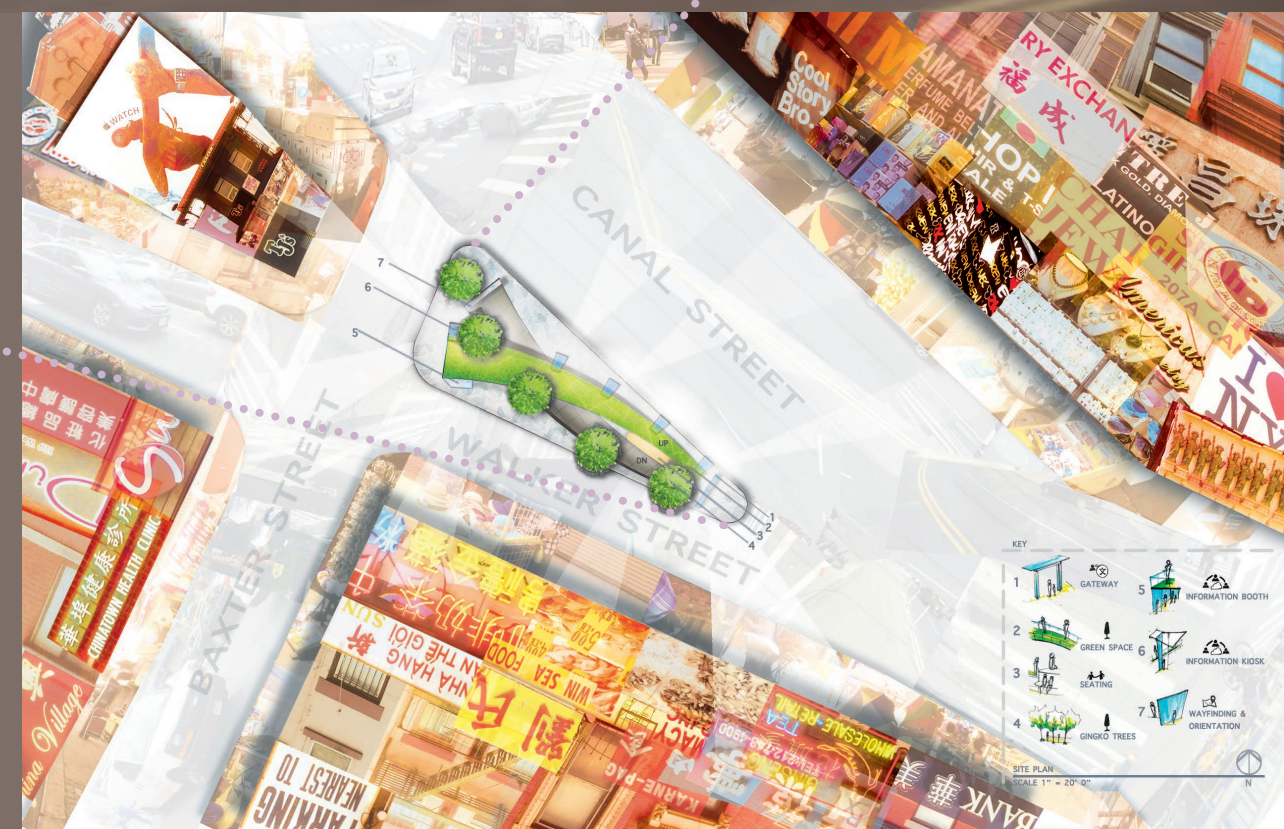
# GATEWAY TO CHINATOWN

New York, NY

Kushner Studios

Renders in collaboration with fellow interns:

Ruchita Chandsarkar, Boyu Liu, and Romeo Romulo





THANK YOU.