

Pictured above is an exterior axonometric view of my design intervention for the historic Chicago Building--home to SAIC's Jones Hall student housing.

A contemporary body-double is built along the south facade of the existing building, mirroring its proportions and rectilinearity. The new building at once diversifies the program of the student housing, provides resources for students to reach their full creative potential, and introduces environmental systems which lower the overall energy consumption of the student housing. In doing so, it aims to increase the longevity of the historic building itself while improving the livelihoods of the users--artists--whose artistic practices are of top priority to the design.

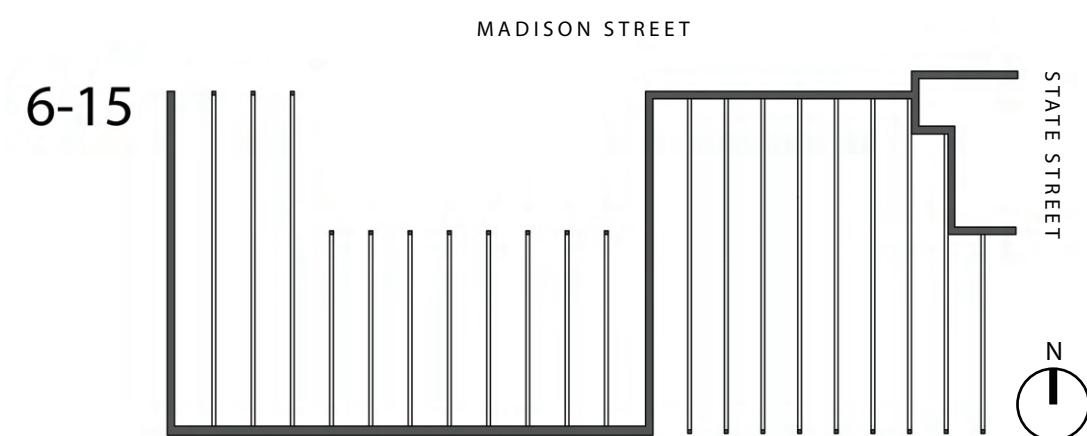
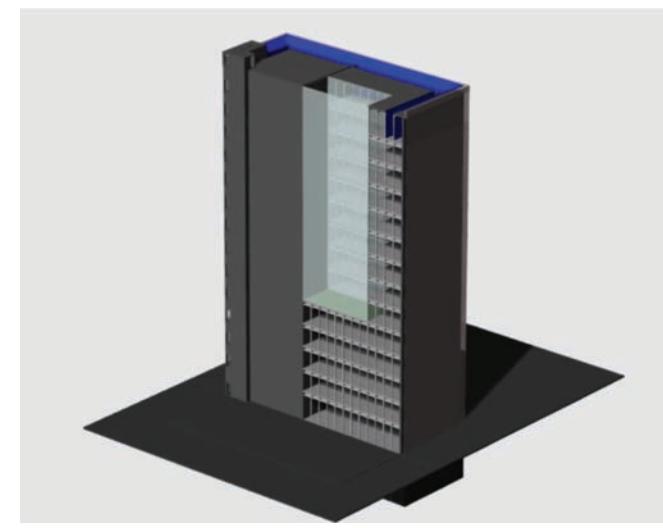
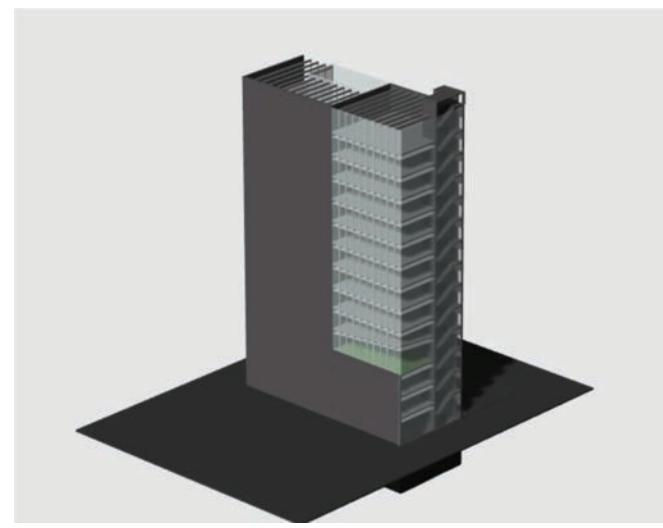
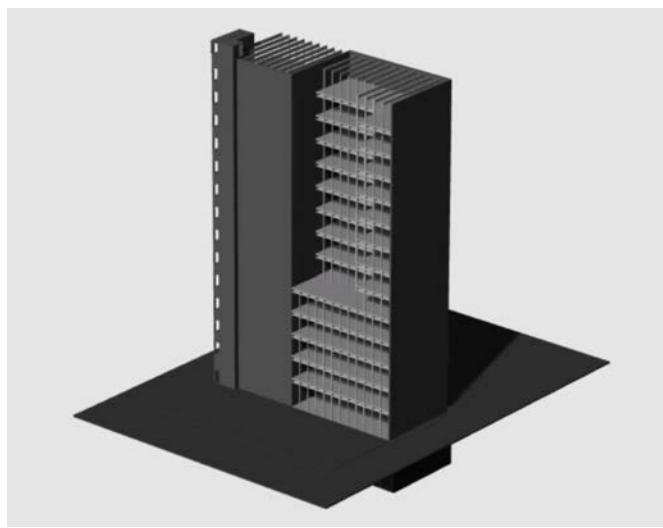
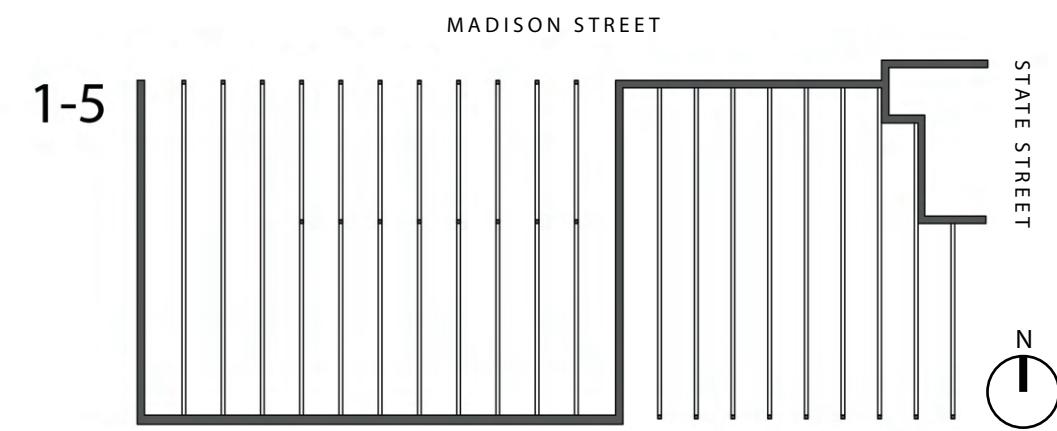
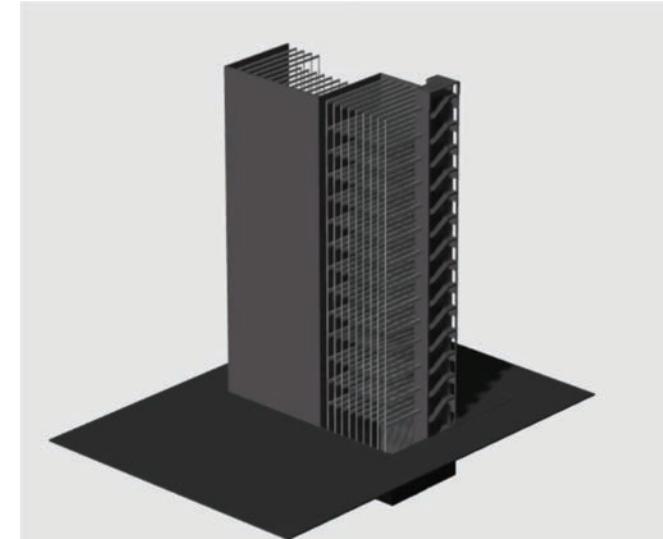
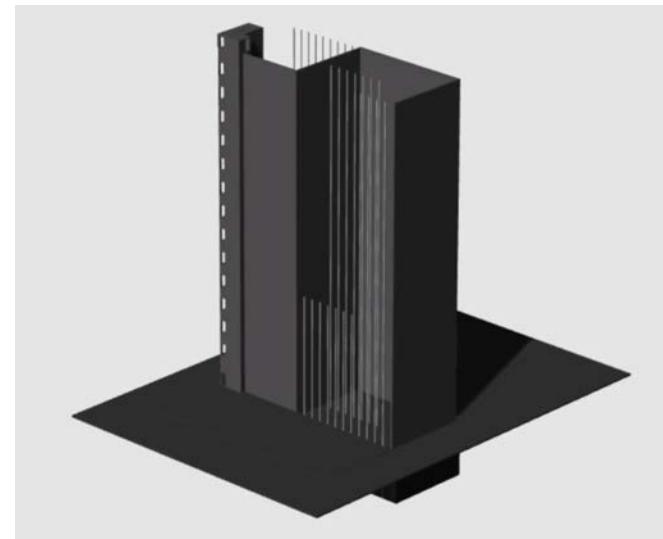
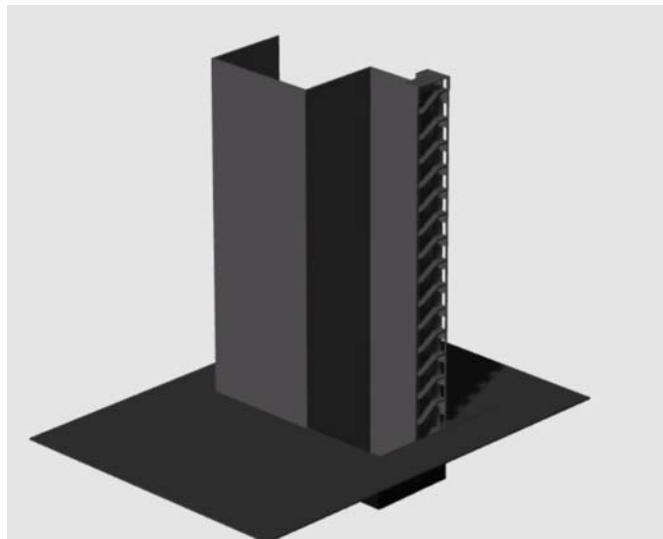
The new building envelope is made from a semi-transparent perforated metal skin. It at once takes advantage southern exposure, while regularizing solar gain.

# MADISON 007

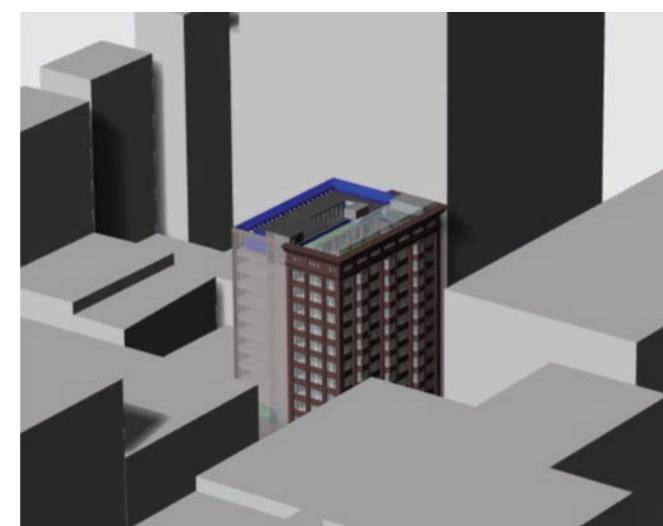
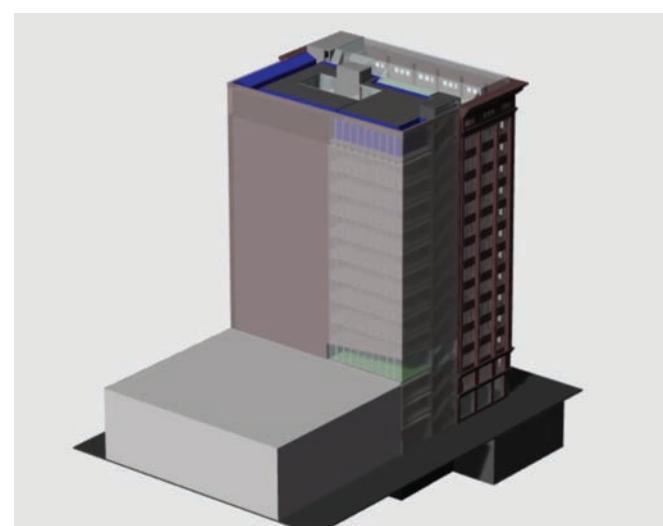
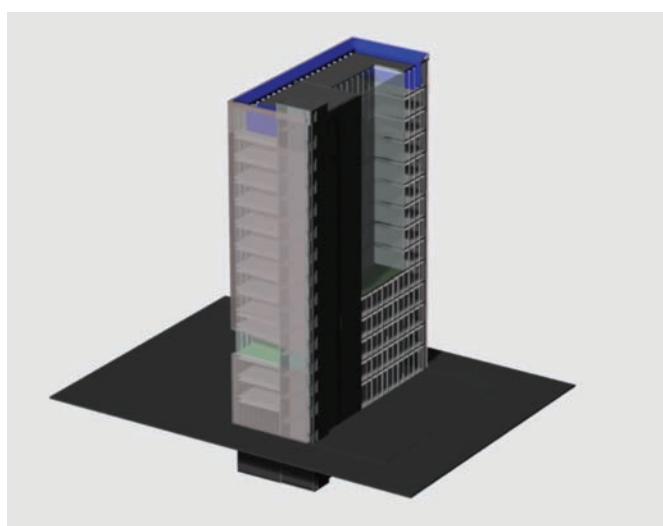
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• INARCH 6210-001: GRAD STUDIO 5 | FALL 2019

• STUDENT: LEILA KHOURY



Structural plan drawing of the new building.



Stills from an animation which depicts the structure of the new building.

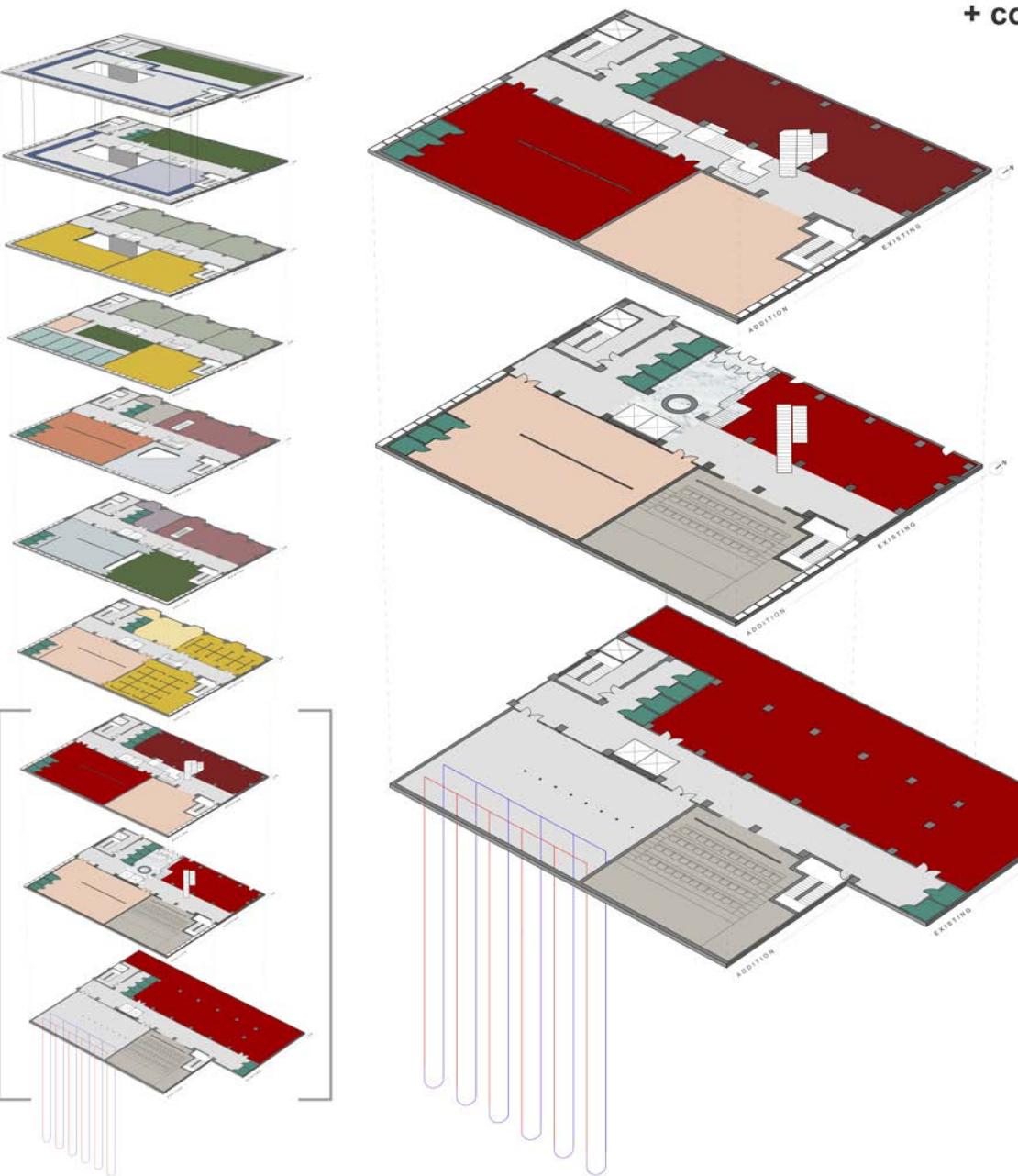
link: <https://vimeo.com/377425403>

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Opening the program to community participation, the basement, ground floors, and second floors are open to the public. These floors embody a tri-fold purpose: bringing public art programming to the public, engaging SAIC with social enterprise workplaces, and exhibiting the work of both SAIC students and a larger community of artists in Chicago together.

The basement of the new building includes a geothermal system for heating and cooling the building.

## B1-2 public spaces for SAIC + community benefit

2

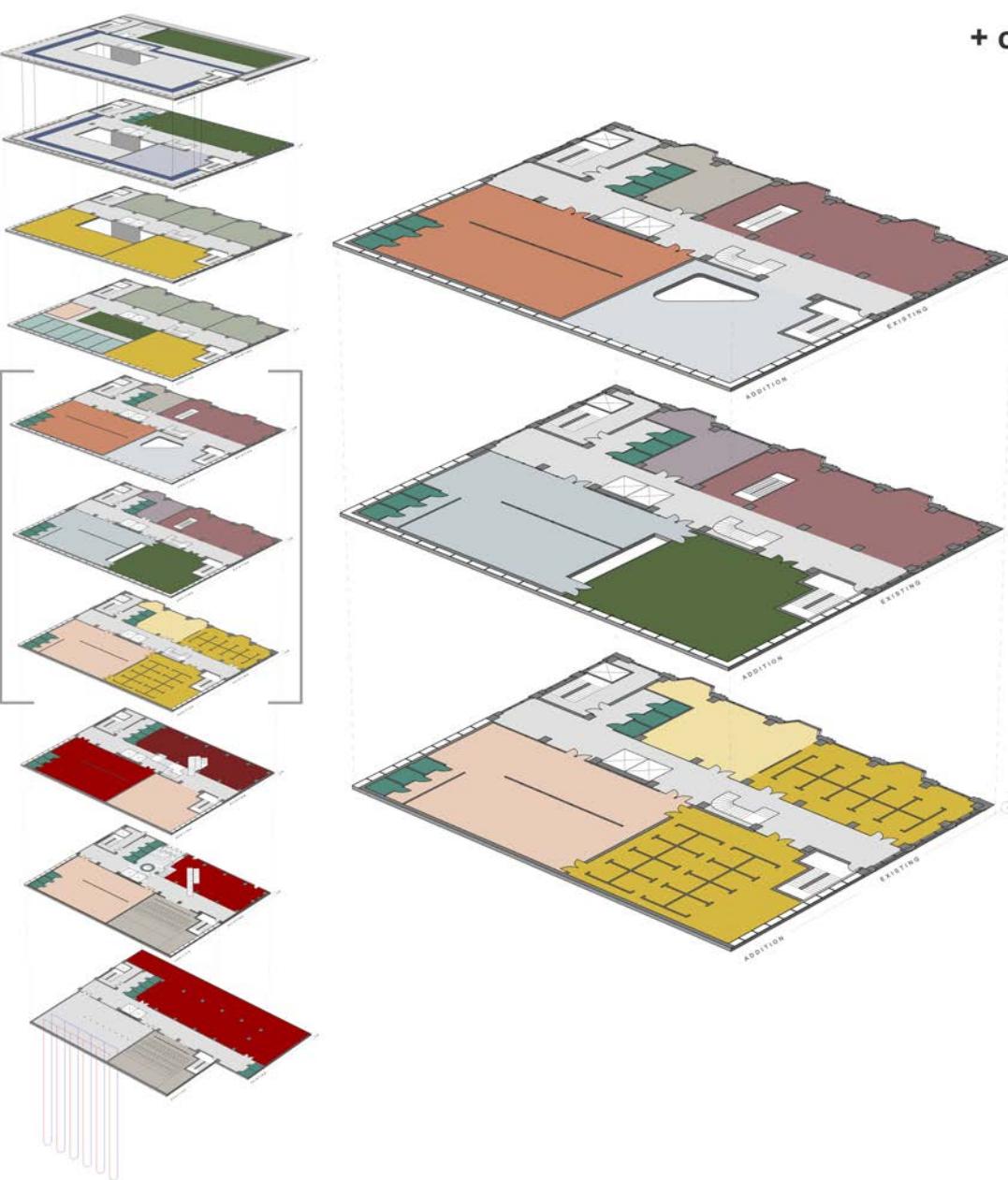
- social enterprise (food co-op)
- social enterprise (SAIC craigslist)
- gallery
- restrooms

1

- historic lobby
- social enterprise (book store + cafe)
- gallery
- lecture hall
- restrooms

B1

- social enterprise (public makespace)
- lecture hall
- geothermal system
- restrooms

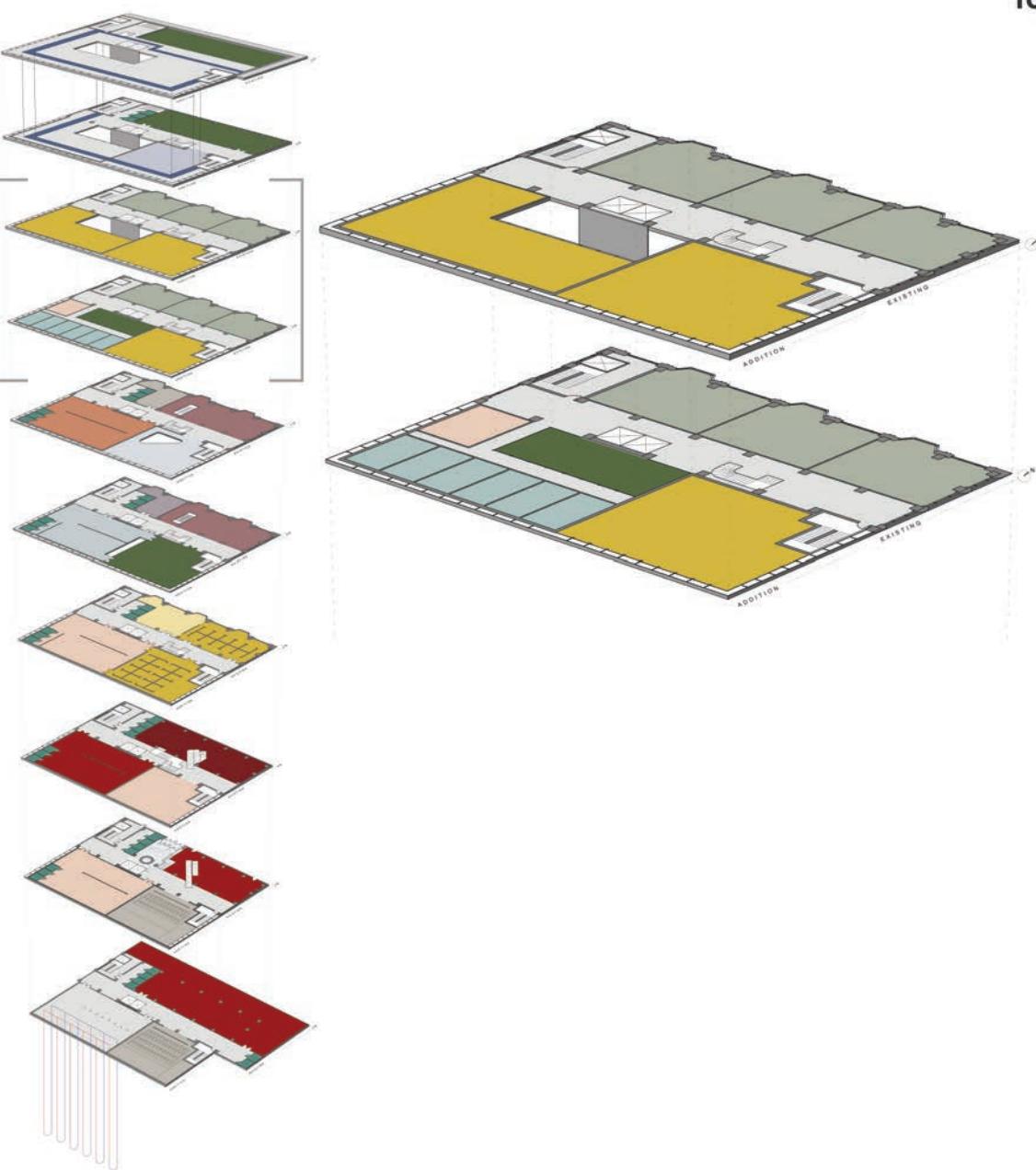


The next few floors are dedicated to student life, health, socialization, and artmaking. The third floor studios are ideal for artists who enjoy working in the company of others and organizing studio visits.

A lush winter garden on the fourth floor alleviates the stress of school and the long Chicago winters. It is visible from every vantage point of the floor, as well as from street-level on State.

Gathering spaces take various forms: some quiet and intimate, others chattier and busy.

6-13

live-work apartments  
for the communal  
and the solitary

The sixth-thirteenth floors are dedicated to the housing. Various living options are available for the various needs and lifestyle choices.

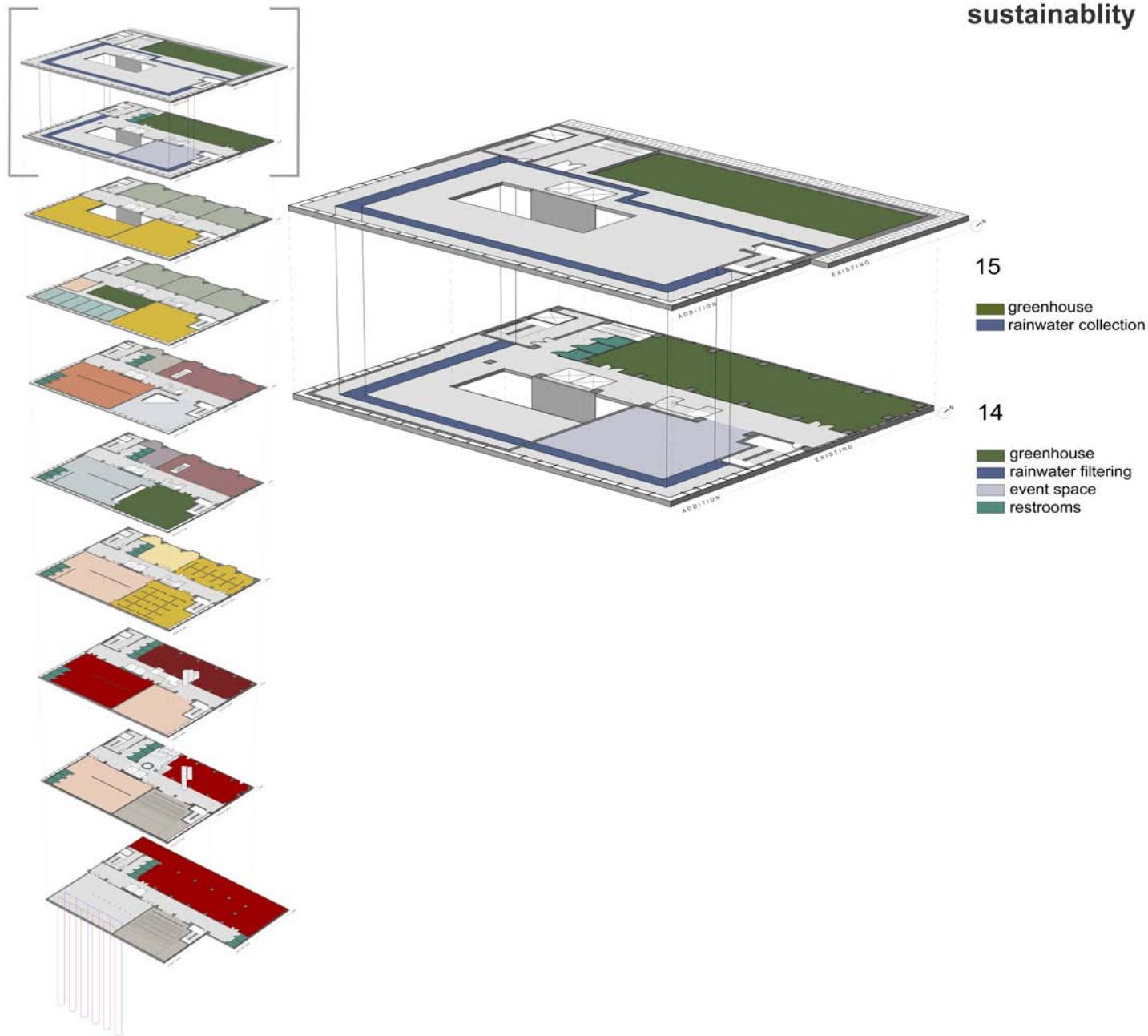
Within the historic envelope, housing takes form in normative apartment-style units that fit up to four students.

The housing within the new building takes form in large, open DIY spaces that are left to the whims of the students. They may build, deconstruct, work, live, and design as they please.

7-13

4-person apartment  
live/work apartment

6

greenspace (atrium)  
4-person apartment  
live/work apartment  
1-person apartment  
shared studio

The fourteenth (penthouse) floor and roof are interconnected with two environmental systems: A greenhouse and rainwater harvesting system.

The greenhouse provides produce for the two cafes within the building and utilizes the resulting compost.

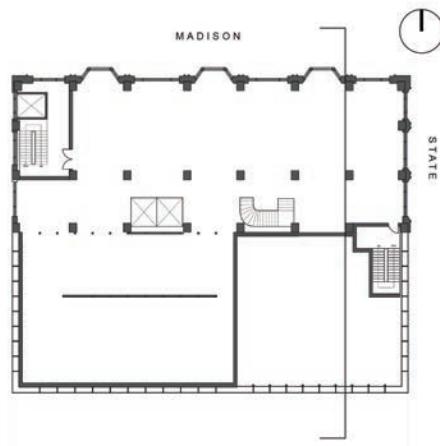
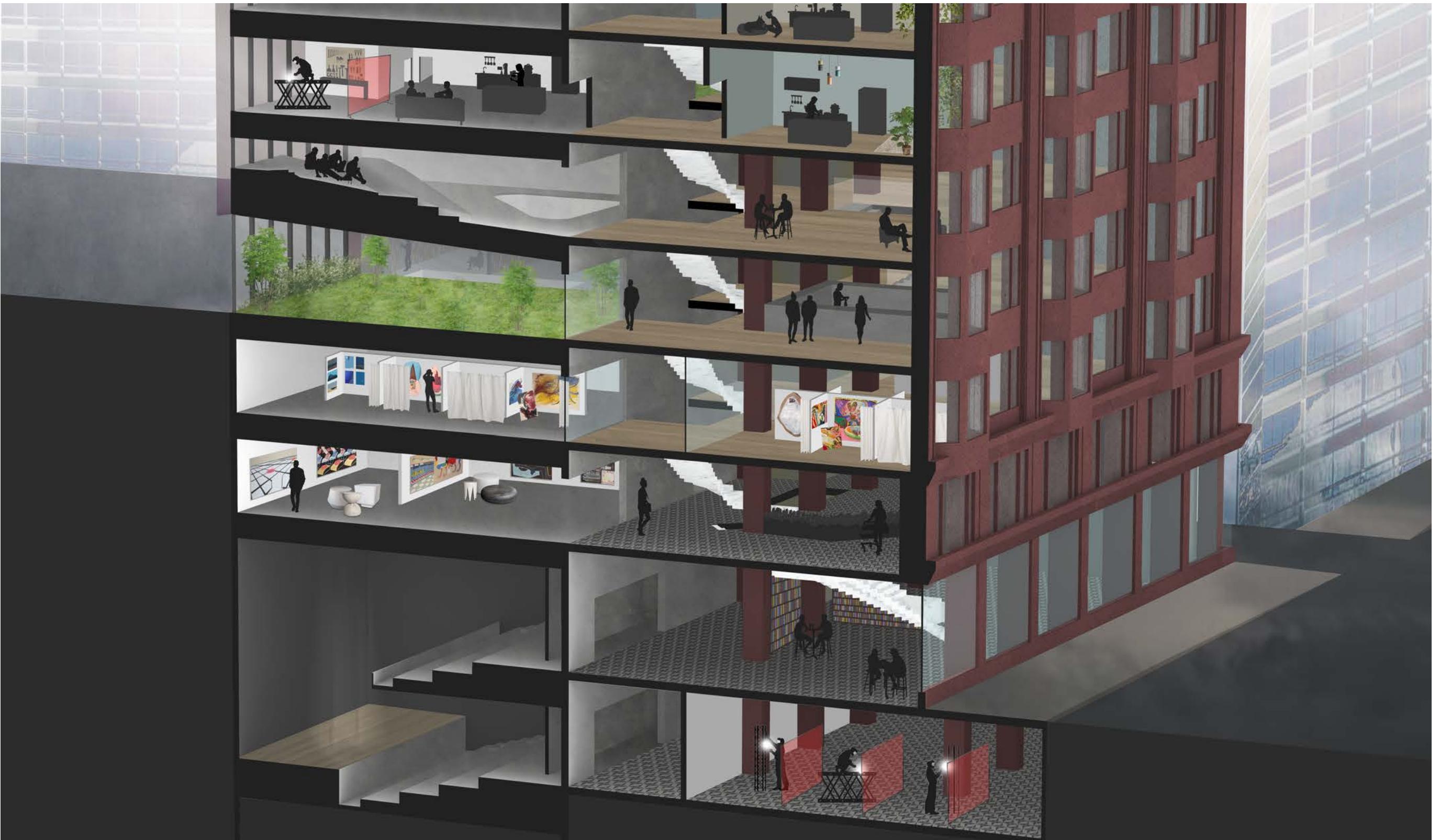
Rainwater is collected through a funnel that wraps the parameters of the roof, then filters through interior walls on the fourteenth floor.

The fourteenth floor is a multi-purpose event space, in which users are exposed to the environmental systems around them. These systems become the interior itself.



### Concept Model

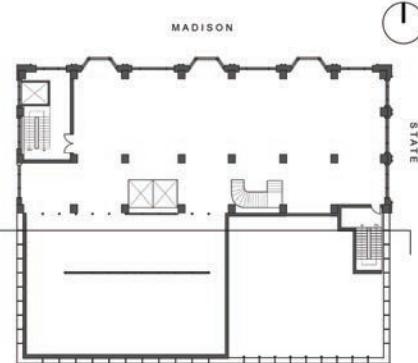
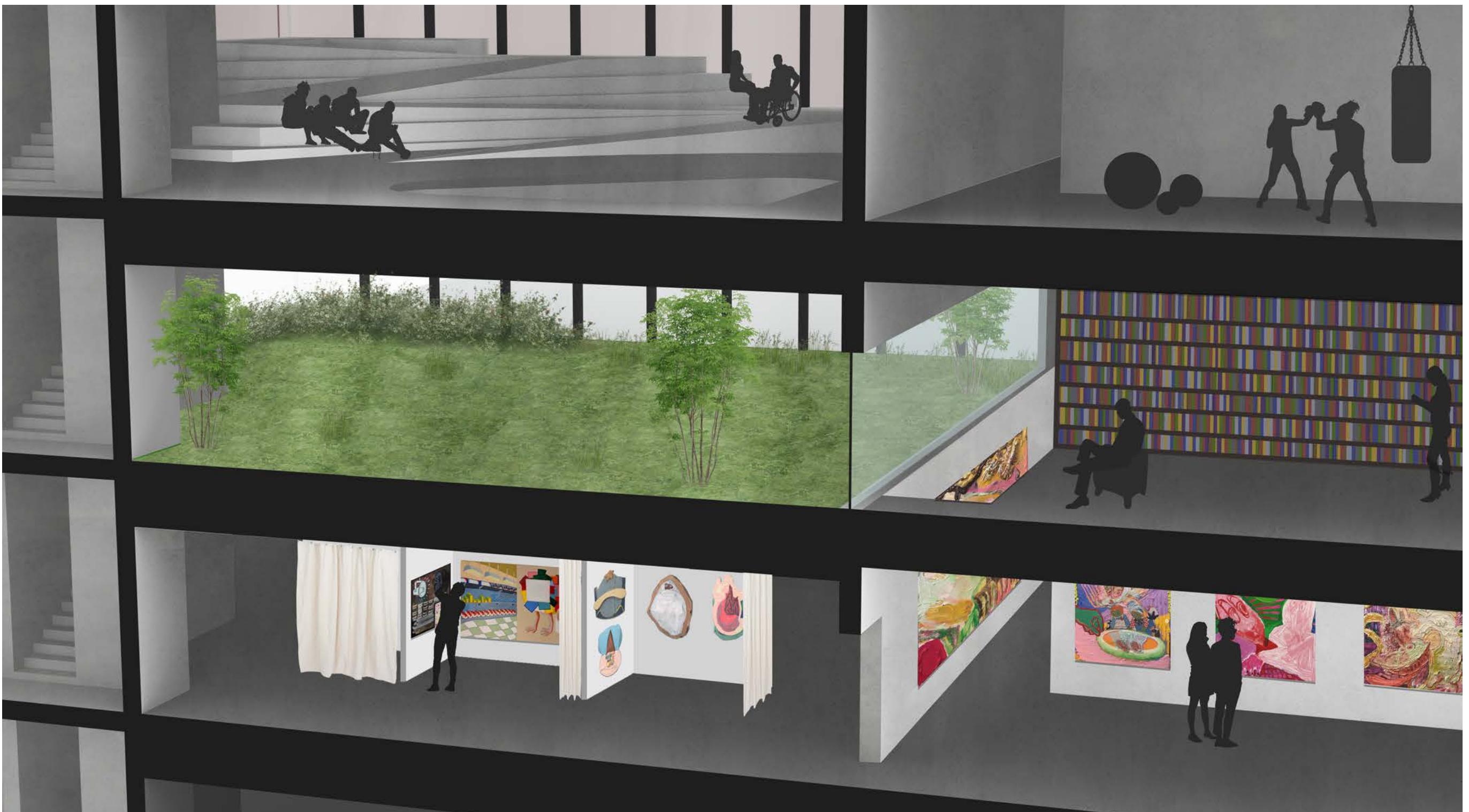
This model demonstrates the permeability and intersections of live, work, and exhibition spaces.  
My aim in re-designing the student housing for Jones Hall is to embrace these three modes of life.  
Drawing from my own experience as an art school student, I have found this lifestyle to be favorable  
and often sought out by students off-campus or outside the context of school entirely.



Perspectival section cutting north-south through the new and historic buildings.

The historic elements of the Chicago Building are restored and exposed: Its terra-cotta facade, marble staircase, and terrazzo floors are in full view. The latter two become central features of the public spaces and circulation.

Artnmaking, exhibition, and green spaces are made visible through sliding glass doors and hole-punched floors. These design choices symbolize and encourage a sense of permeability and intersectionality in the artnmaking practice and everyday lives of the artists.



Perspectival section cutting east-west through the new building.

This image emphasizes the permeability, intersectionality, and overlapping nature of an artist's personal life and artistic practice.

The architecture of the building itself is simple. The interior is defined by the visibility of student artwork, which changes and develops indefinitely.

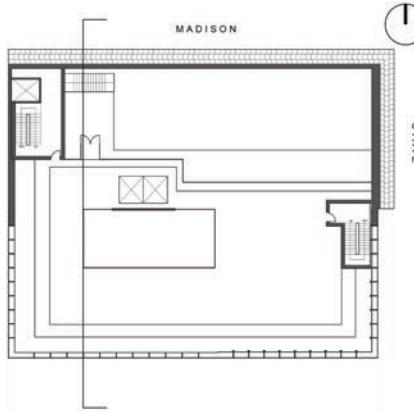
Spaces are enclosed when they warrant privacy. But when opportunities arise to glimpse an exhibit or a pocket of greenspace, they take form in hole-punched floors and panoramic vistas.

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Perspectival section cutting north-south through the new building.

This section demonstrates two environmental systems which serve both the new and historic buildings, as well as the various housing types.

The two-story greenhouse on the historic roof supplement the various cafes throughout the building and utilize their compost in return.

Rainwater collected on the roof is funneled into dense interior walls on the fourteenth floor. The walls contain sand and aggregates to filter the water, a system made entirely visible to the users.

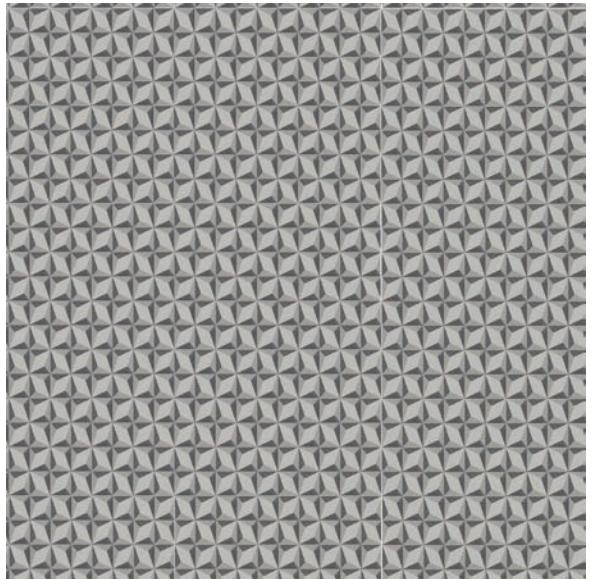
The housing units in the historic building are fairly conventional, while those in the new building take form in flexible DIY spaces. They begin as blank slates, and the users have absolute liberty to build and design them as they please.



## Historic Materials...



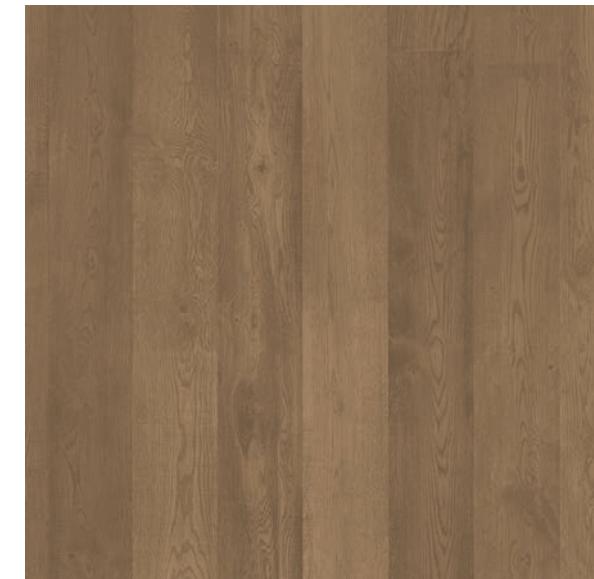
white carrara marble staircase



terrazzo mosaic floor



terra cotta facade



hardwood flooring

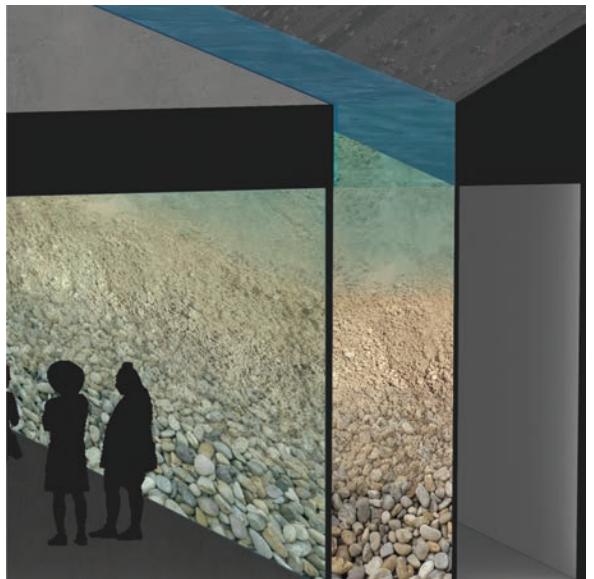


brass elevators

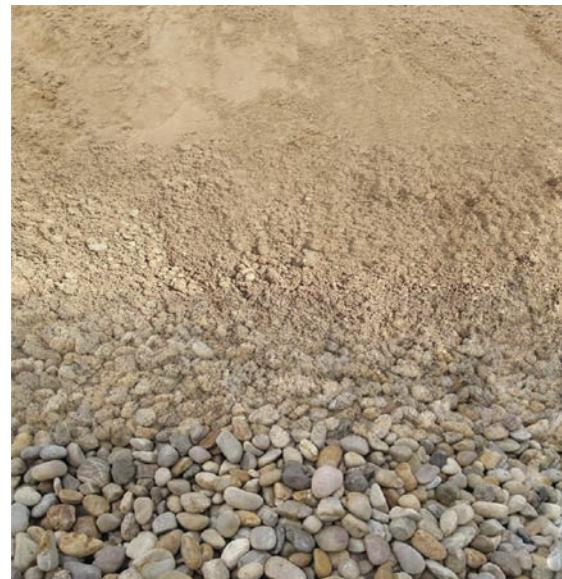
## New Materials...



poured concrete



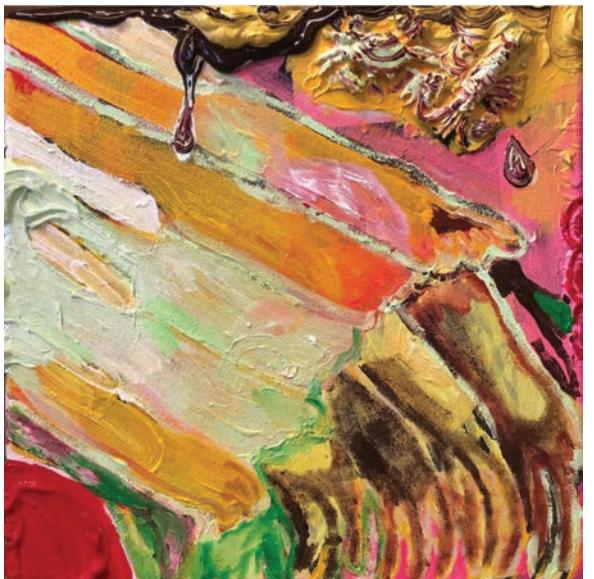
aggregate + sand water filtratiton



water filtration close-up



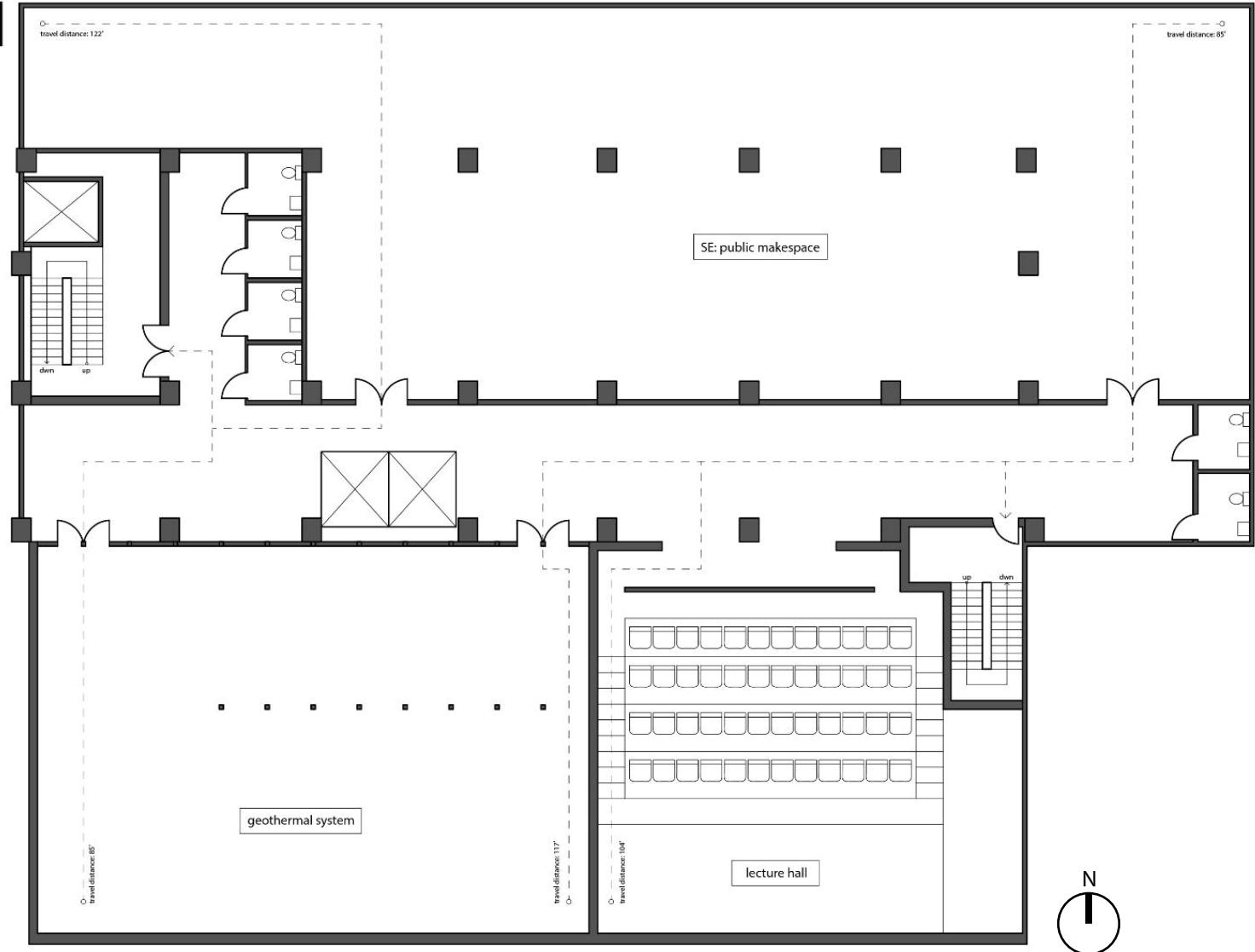
green spaces



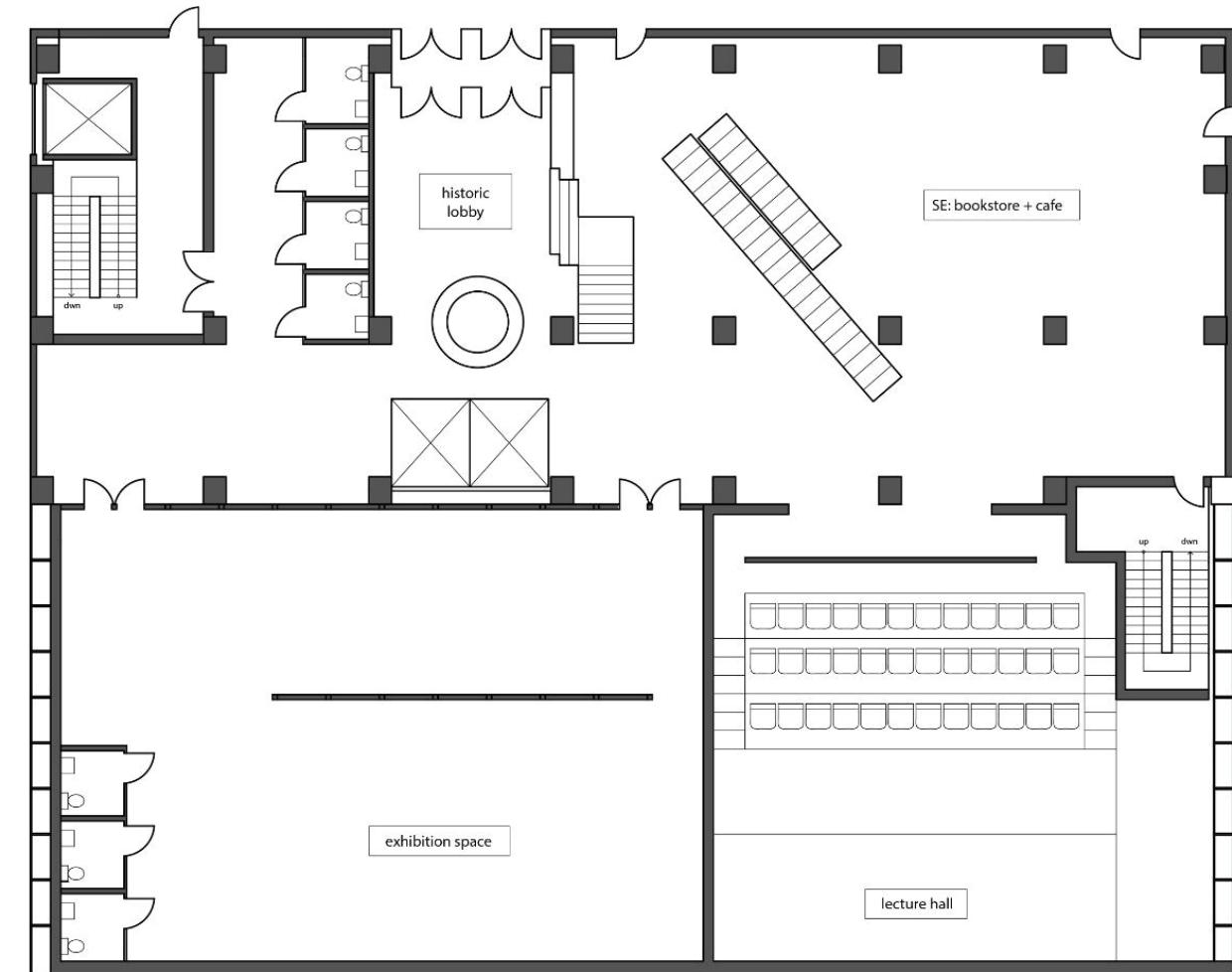
\*Student Artwork:

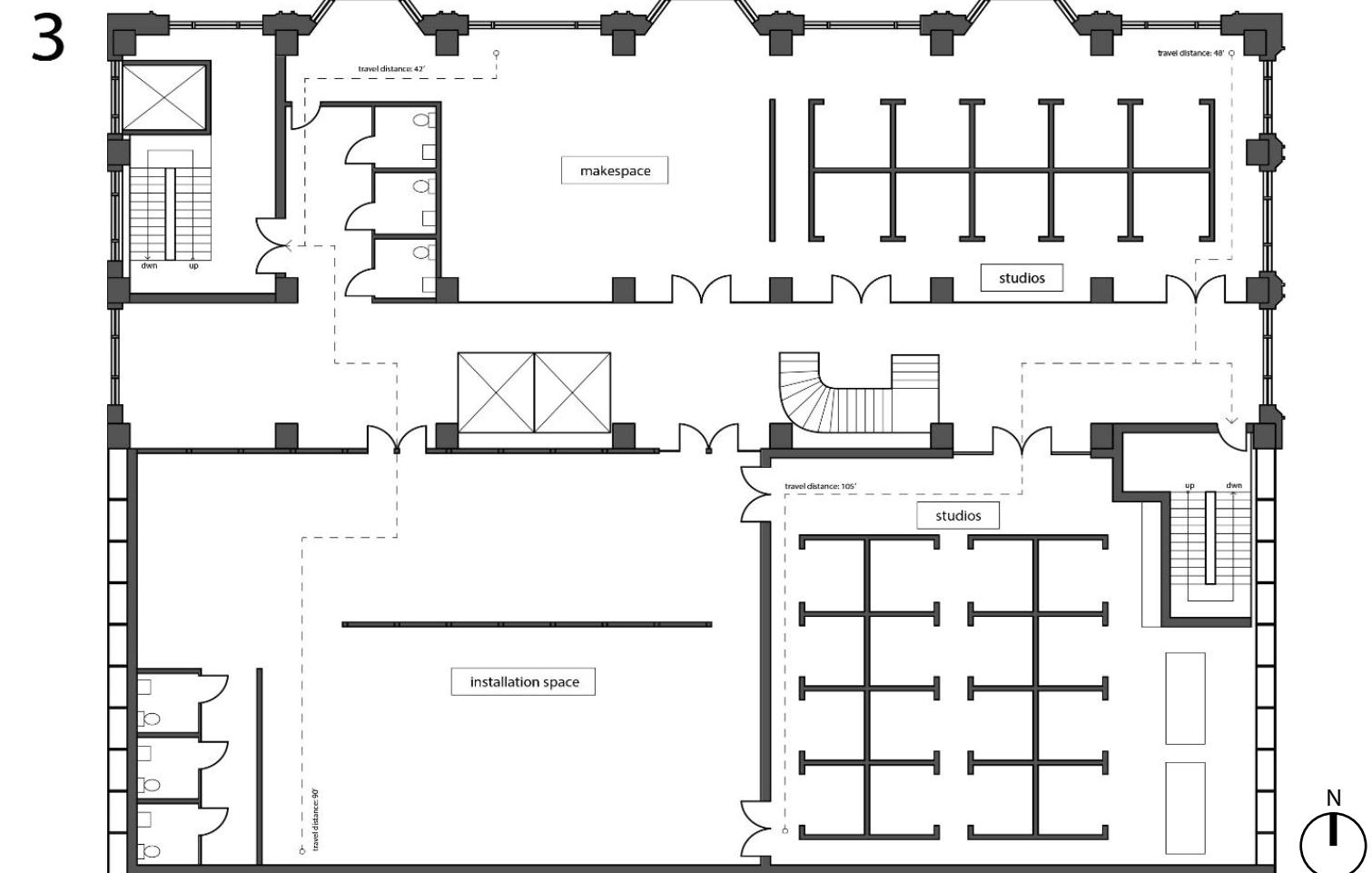
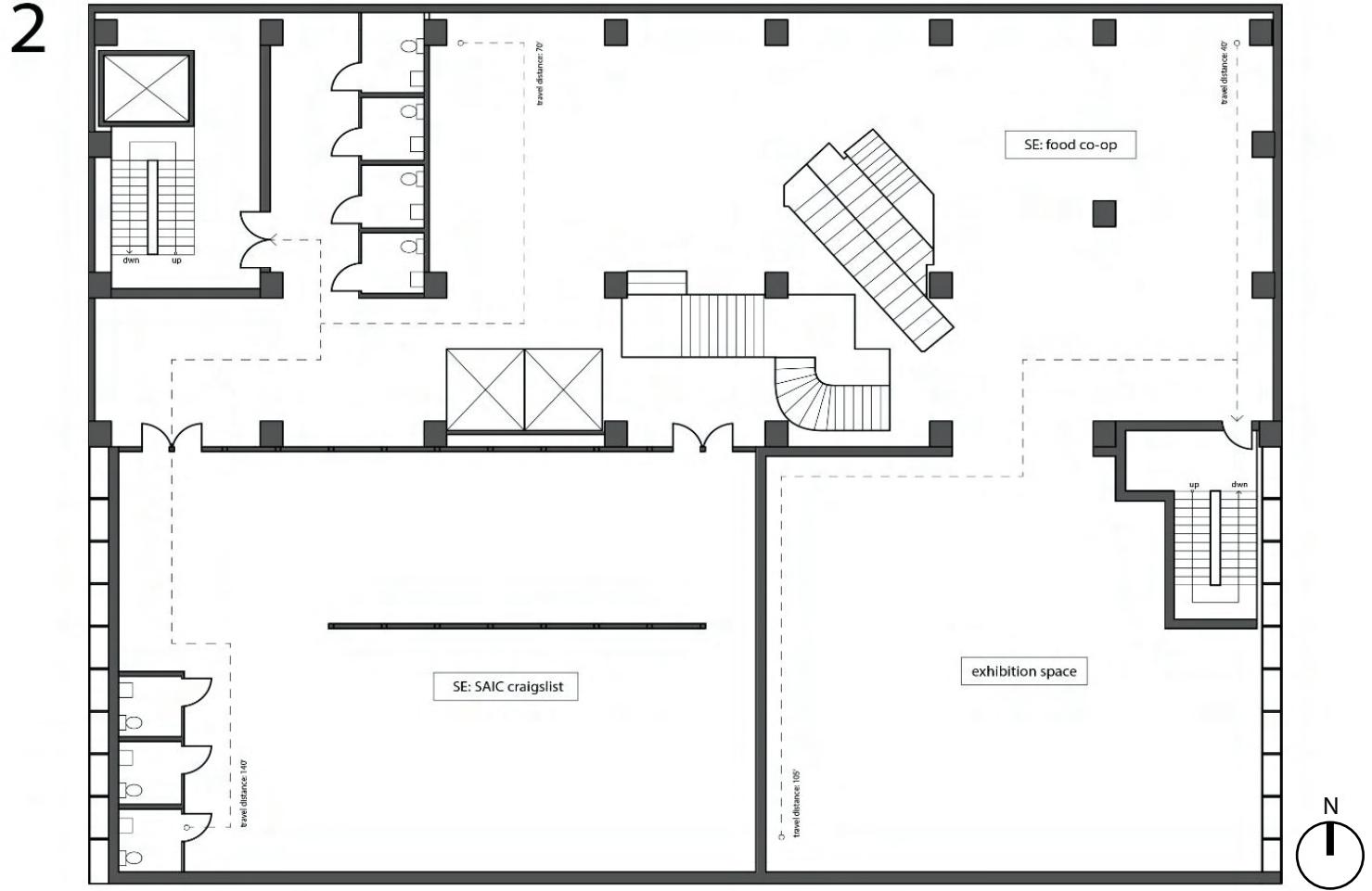
Student artwork is the design driver of this project. It is the characteristic of the interior which I am most interested in. The architecture is intentionally simple so that it may be dressed in a dynamic, ephemeral, ever-changing skin of the users' creative processes.

B1

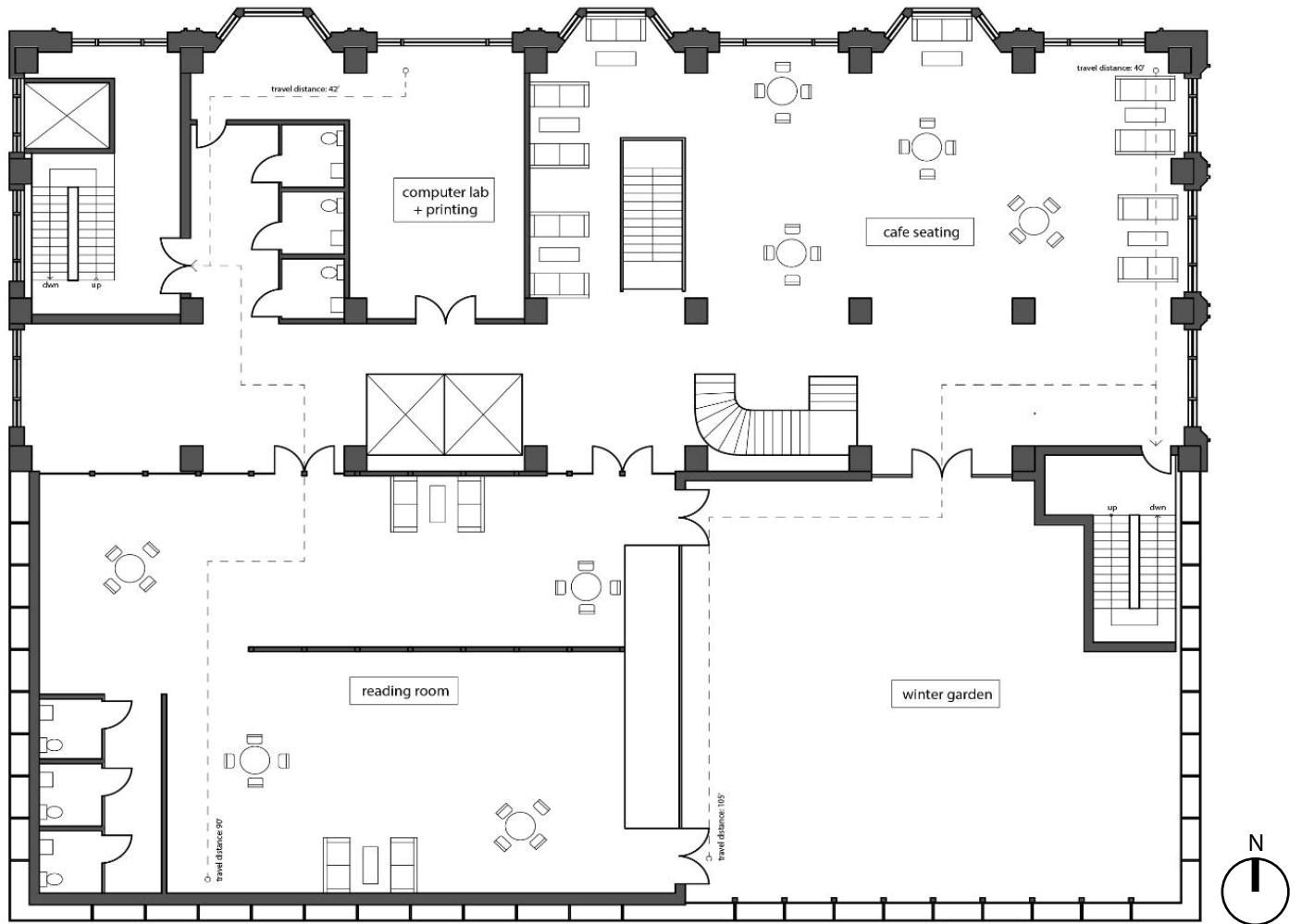


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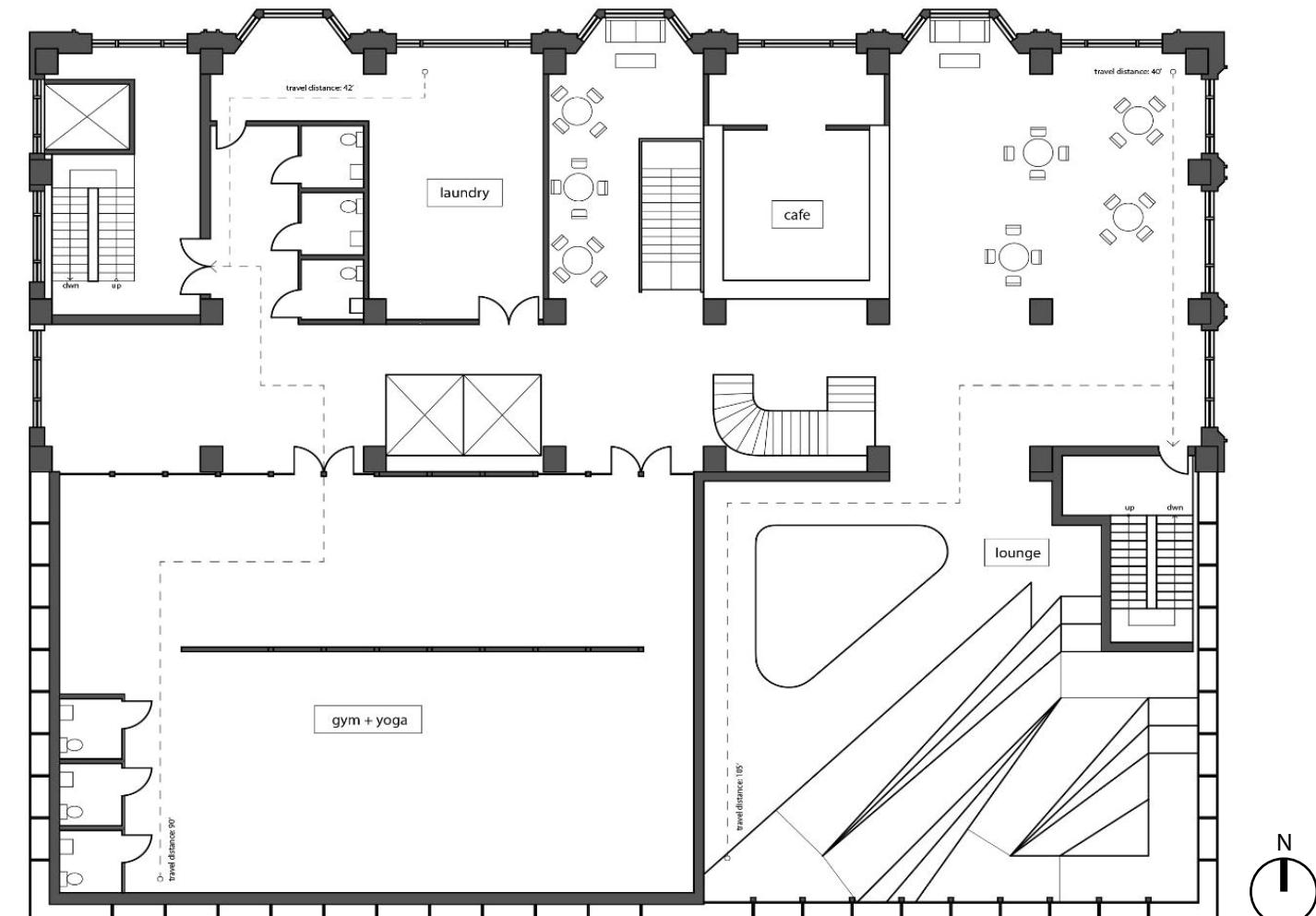




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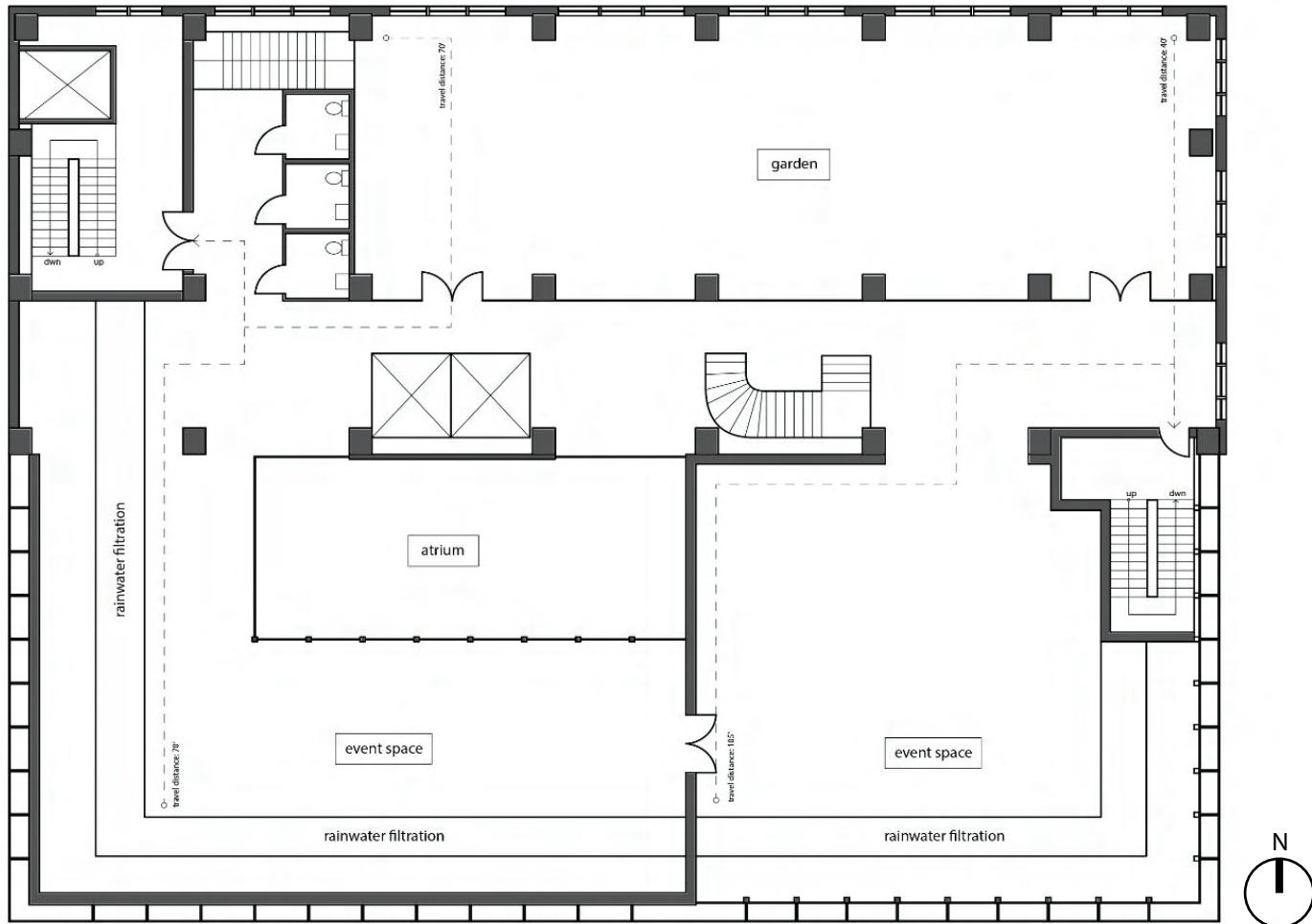


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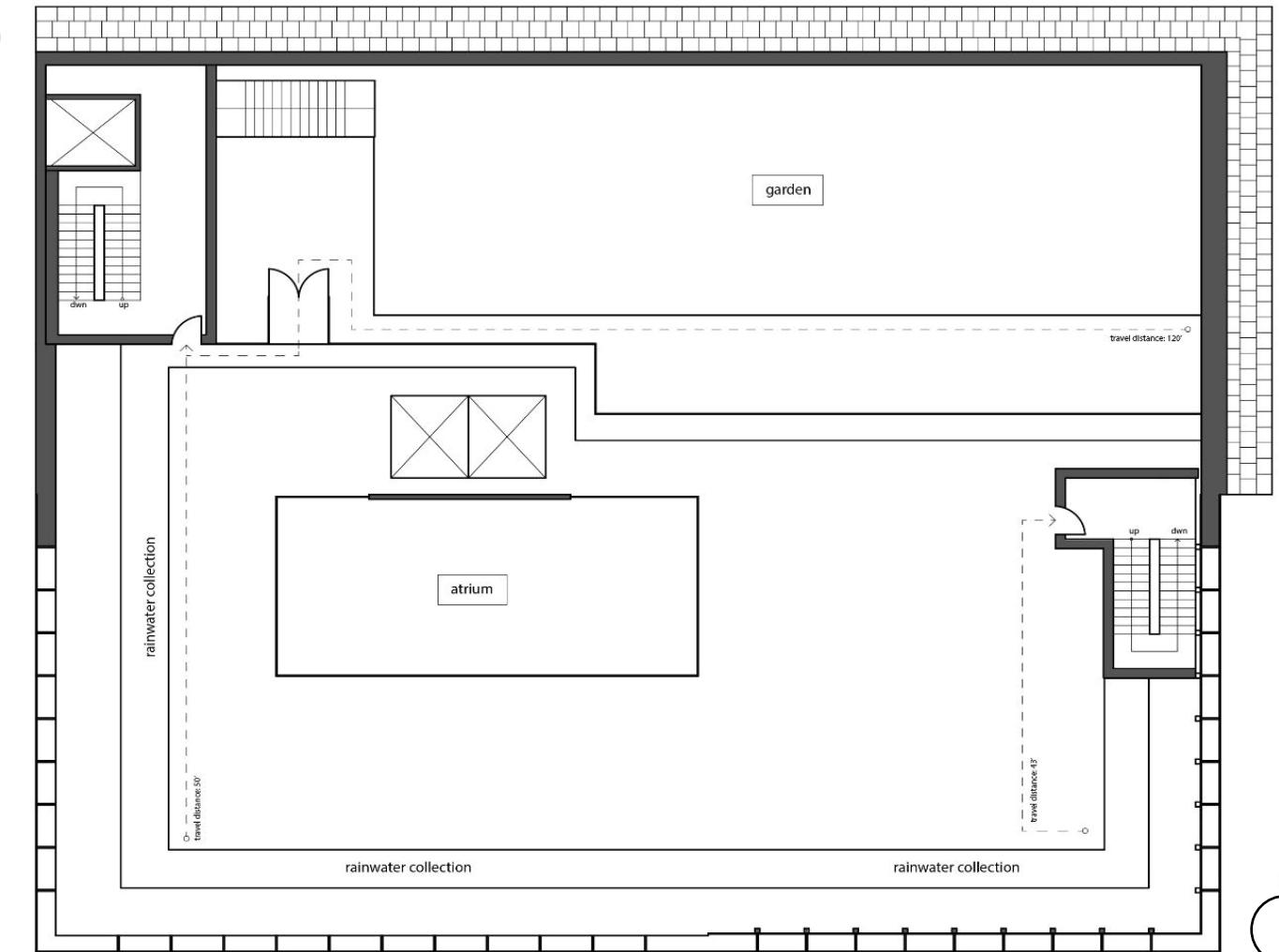




14



15



## Occupancy Schedule

B1					
Occupancy Type	Code	Room	Area (SF)	Area Per	# Occupants
Mercantile	13-56-130	Retail	4500	30	150
Assembly (C-2)	13-56-070	Lecture Hall (fixed seating)	48		
		Public Makerspace	5000	20	250
			<b>Total: 448</b>		

1

Occupancy Type	Code	Room	Area (SF)	Area Per	# Occupants
Mercantile	13-56-130	Restaurant	1500	30	50
Assembly (C-2)	13-56-070	Lecture Hall (fixed seating)	36		
		Gallery	2880	20	144
			<b>Total: 234</b>		

2

Occupancy Type	Code	Room	Area (SF)	Area Per	# Occupants
Mercantile	13-56-130	Retail	1800	60	30
Assembly (C-2)	13-56-070	Gallery	1980	20	99
			<b>Total: 137</b>		

3

Occupancy Type	Code	Room	Area (SF)	Area Per	# Occupants
Assembly Units (C-2)	13-56-070	Studios	2820	20	141
		Installation Room	2126	20	106
		Makespace	1100	20	55
			<b>Total: 300</b>		

4

Occupancy Type	Code	Room	Area (SF)	Area Per	# Occupants
Assmebly Units (C-2)	13-56-070	Laundry	560	6	94
		Library	2280	20	114
Mercantile	13-56-130	Vending	1950	60	33
Misc. (J)	13-56-220	Winter Garden	1980	20	99
			<b>Total: 340</b>		

5

Occupancy Type	Code	Room	Area (SF)	Area Per	# Occupants
Assembly Units (C-2)	13-56-070	Gym	2190	100	22
		"Library" Lounge	1755	20	88
		"Library" Printshop	560	20	28
Mercantile		Vending	1950	60	33
			<b>Total: 170</b>		

6

Occupancy Type	Code	Room	Area (SF)	Area Per	# Occupants
Assembly Units (C-2)	13-56-070	Studio	336	20	17
Misc. (J)	13-56-220	Greenspace	817	20	41
Multiple Dwellings	13-56-040	Single Room (6)	220	125	6
		Quad Room (3)	890	125	12
		Loft Room A	1980	125	up to 16

## Plumbing Schedule

FLOOR	WC			LAV		
B1	Type	# Occupants	# Required	Total	# Required	Total
	Assembly	448	1: 1-100(M) 2: 1-100(F)	4	1: 1-200(M) 8	2
						2

1	Type	# Occupants	# Required	Total	# Required	Total
	Restaurant	50	1:30 up to 90(M) 1:25 up to 100(F)	2	1:50(M) 1:50(F)	1
	Assembly	180	1: 1-100(M) 2: 1-100(F)	2	1: 1-200(M) 4	1

2	Type	# Occupants	# Required	Total	# Required	Total
	Mercentile	30	1:25 up to 100(M) 1:15 up to 90 (F)	2	1:40(M) 1:40(F)	2
	Assembly	99	1: 1-100(M) 2: 1-100(F)	1	1: 1-200(M) 2	1

3	Type	# Occupants	# Required	Total	# Required	Total
	Assembly	300	1: 1-100(M) 2: 1-100(F)	3	1: 1-200(M) 6	2
						2

4	Type	# Occupants	# Required	Total	# Required	Total
	Assembly	307	1: 1-100(M) 2: 1-100(F)	3	1: 1-200(M) 6	2
	Mercentile	33	1:25 up to 100(M) 1:15 up to 90 (F)	2	1:40(M) 1:40(F)	1

5	Type	# Occupants	# Required	Total	# Required	Total
	Assembly	116	1: 1-100(M) 2: 1-100(F)	1	1: 1-200(M) 2	1
	Health Club	22	1:30 up to 90 (M) 1:25 up to 100 (F)	2	1:50 (M) 1	1
	Café	33	1:30 up to 90(M) 1:25 up to 100(F)	1	1:50(M) 1	1

6	Type	# Occupants	# Required	Total	# Required	Total
	Assembly	58	1: 1-100(M) 2: 1-100(F)	1	1: 1-200(M) 2	1
	Apartments	27	1:1-10	3	1:1-10	3

7 thru 13	Type	# Occupants	# Required	Total	# Required	Total
	Apartments	39	1:1-10	4	1:1-10	4

## Travel Distance (all floors)

Code	Occupancy Type	Distance (Ft)





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