4th year architecture student at New Jersey Institute of Technology

## Contact

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## Architecture Instagram

@architecturebyjenn

## Skills

- Photoshop
- InDesign
- Illustrator
- Rhinoceros
- Revit
- Enscape
- Microsoft Office

# Jennifer Garcia

## Education

### Ridgefield Memorial High School
Ridgefield, NJ

Graduated June 2020
National Honors Society 2019-2020

### New Jersey Institute of Technology
Newark, NJ

September 2020 - Present
Graduate in May 2025
Bachelor of Architecture (B.Arch)
Dean's List 2020 - Present

## Work Experience

### LLG Tax & Accounting
6820 Bergenline Ave, Guttenberg, NJ

2021-2022
Front Desk / Assistant

### Round2Resources, Volunteer
Hoboken, NJ

2023 - Present
Pick-up/ drop off donation boxes

## References

### Daniel J Rogers, Architect
New Jersey Institute of Technology
Adjunct Instructor
daniel.rogers@njit.edu

### Lourdes Garcia, Accountant
LLG Tax and Accounting
201-394-8536
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## Languages

- English
- Spanish

# JENNIFER GARCIA

ARCHITECTURE PORTFOLIO

## Contact

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@ARCHITECTUREBYJENN

## Languages

ENGLISH: NATIVE LANGUAGE

SPANISH: FLUENT

## Digital Skills

PHOTOSHOP/ INDESIGN/ ILLUSTRATOR: ADVANCED

RHINOCEROS: ADVANCED

REVIT: INTERMEDIATE

ENSCAPE: ADVANCED

MICROSOFT OFFICE: ADVANCED

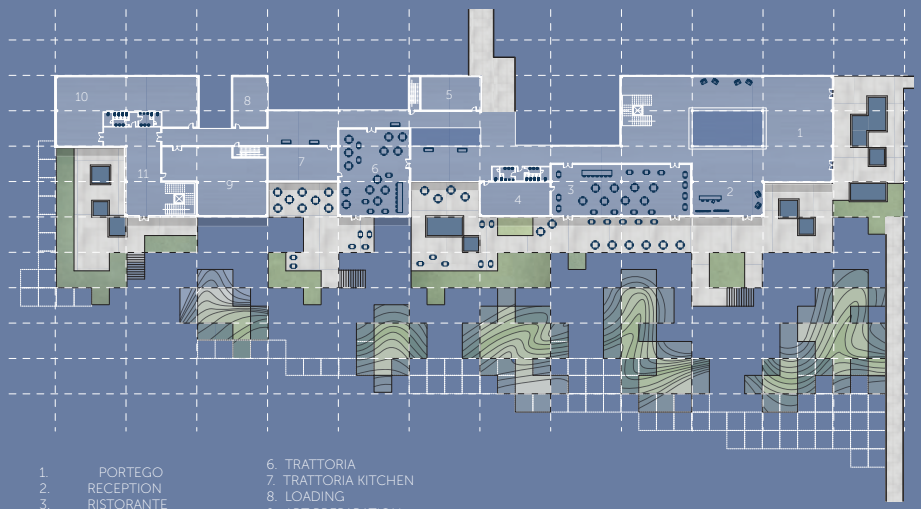
I AM CURRENTLY A 4TH-YEAR ARCHITECTURE STUDENT IN THE 5TH-YEAR PROGRAM AT NEW JERSEY INSTITUTE OF TECHNOLOGY. A LITTLE BIT ABOUT ME IS I IMMIGRATED TO THE UNITED STATES FROM CUBA AT THE AGE OF 2. BY THE END OF MY 5 YEARS AT NJIT, I SEEK TO ACQUIRE MY LICENSE. I'VE BEEN PASSIONATE ABOUT ARCHITECTURE SINCE I WAS 8 YEARS OLD, AND I AM CONSTANTLY SEEKING PERSONAL IMPROVEMENT. I AM PARTICULARLY PASSIONATE ABOUT GREEN ARCHITECTURE AND WORKING TOWARDS A SUSTAINABLE FUTURE.

# Table Of Contents

# URBAN OASIS

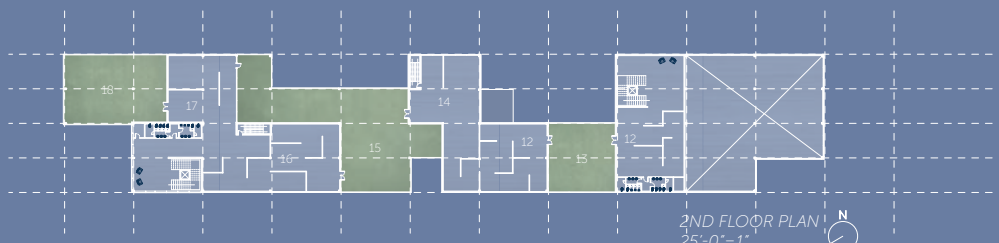
Venice is a fully man-made, and very unsustainable city, where cruise ships are constantly coming in and out, damaging the water's ecosystem. My museum for Canaletto's artwork, introduces a new type of architecture, featuring CLT, green walls and roofs, and solar panels, forming a juxtaposition with traditional Venetian architecture. In addition, my site doesn't only cater to visitors of the museum, but provides a space for animals to be welcomed into their own small environments on the site. This building is a productive participant in the city, as it also houses an oyster farm underneath the surface, actively cleaning Venetian waters and providing a healthier home for marine life. The galleries of the museum not only showcase all of Canaletto's works, but bring awareness to the preservation of the city by having collaged accent pieces that show oysters underneath the surface of the paintings

*imagining a brighter future for Venice.*



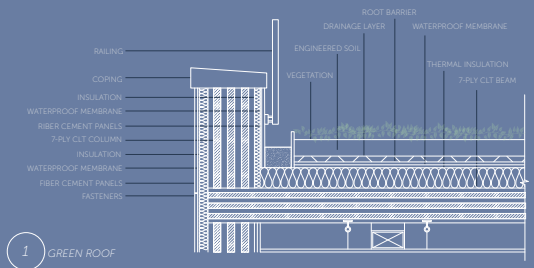
1. PORTEGO
2. RECEPTION
3. RISTORANTE
4. RISTORANTE KITCHEN
5. STAFF CHANGING
6. TRATTORIA
7. TRATTORIA KITCHEN
8. LOADING
9. ART PREPARATION
10. ART STORAGE
11. GATHERING/ TRANSITIONAL

The first floor of the museum includes the trattoria and ristorante, as well as art storages for easy access. The above floors feature the main art galleries of the museum.

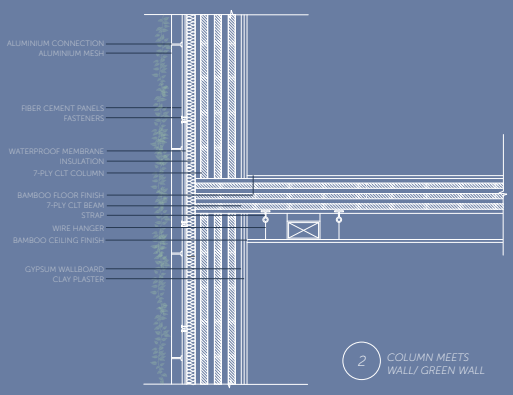


2ND FLOOR PLAN
25'-0"=1"

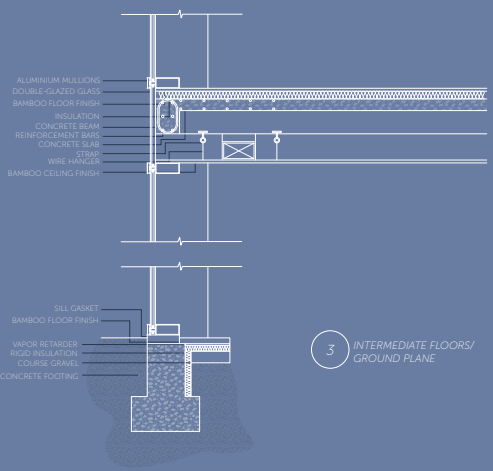
12. SKETCHES GALLERY
13. OUTDOOR COURTYARD 1
14. SHOP 1
15. OUTDOOR COURTYARD 2
16. ETCHINGS/DRAWINGS GALLERY
17. SHOP 2
18. OUTDOOR COURTYARD 3




1 GREEN ROOF

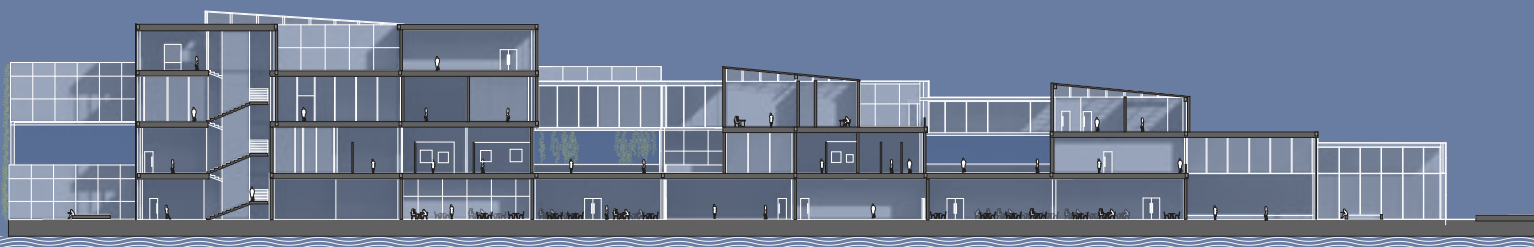


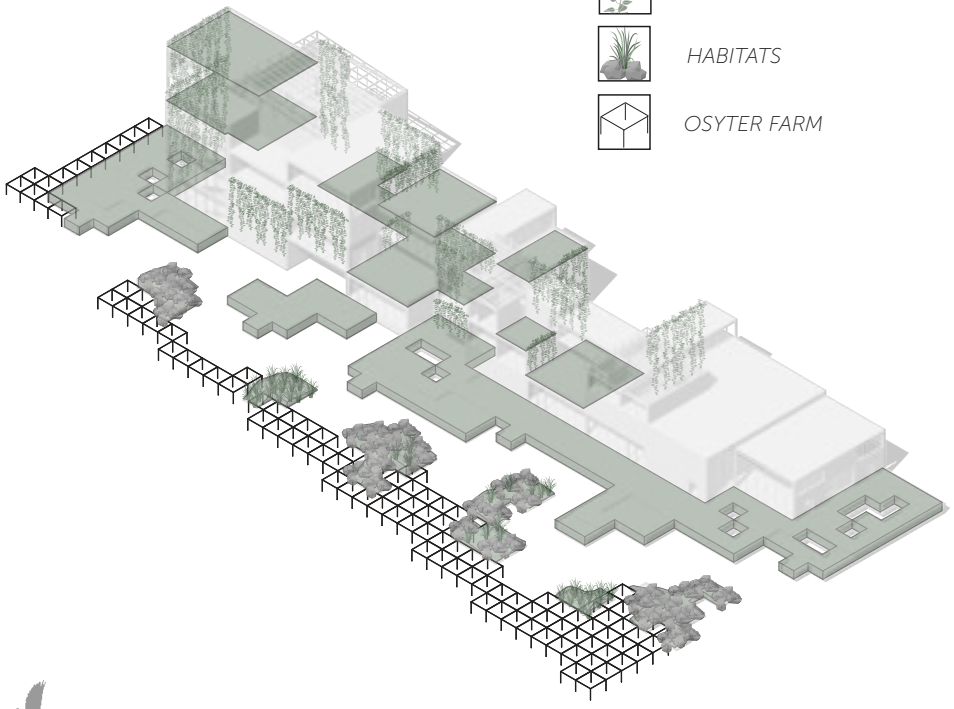

2 COLUMN MEETS WALL/ GREEN WALL



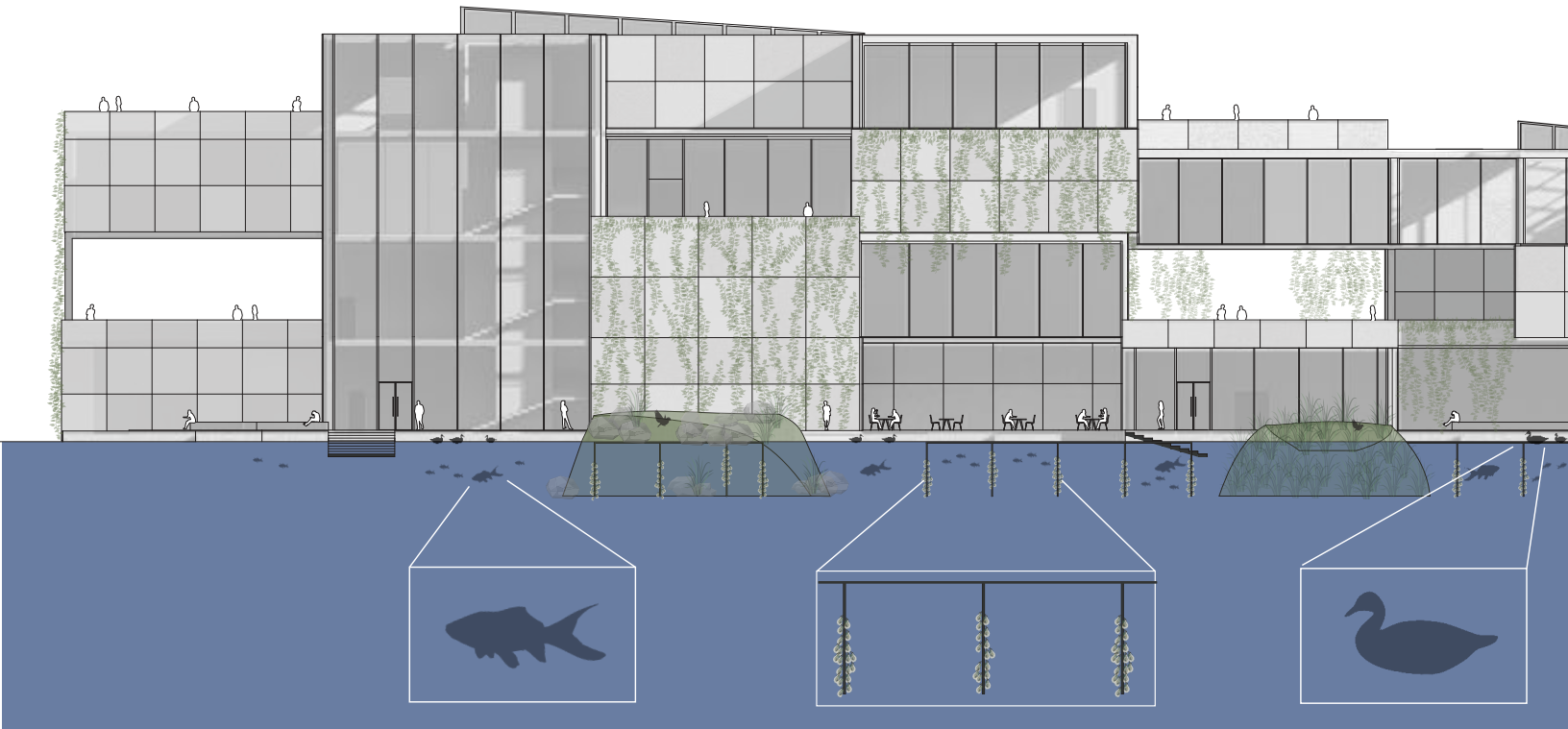

3 INTERMEDIATE FLOORS/ GROUND PLANE

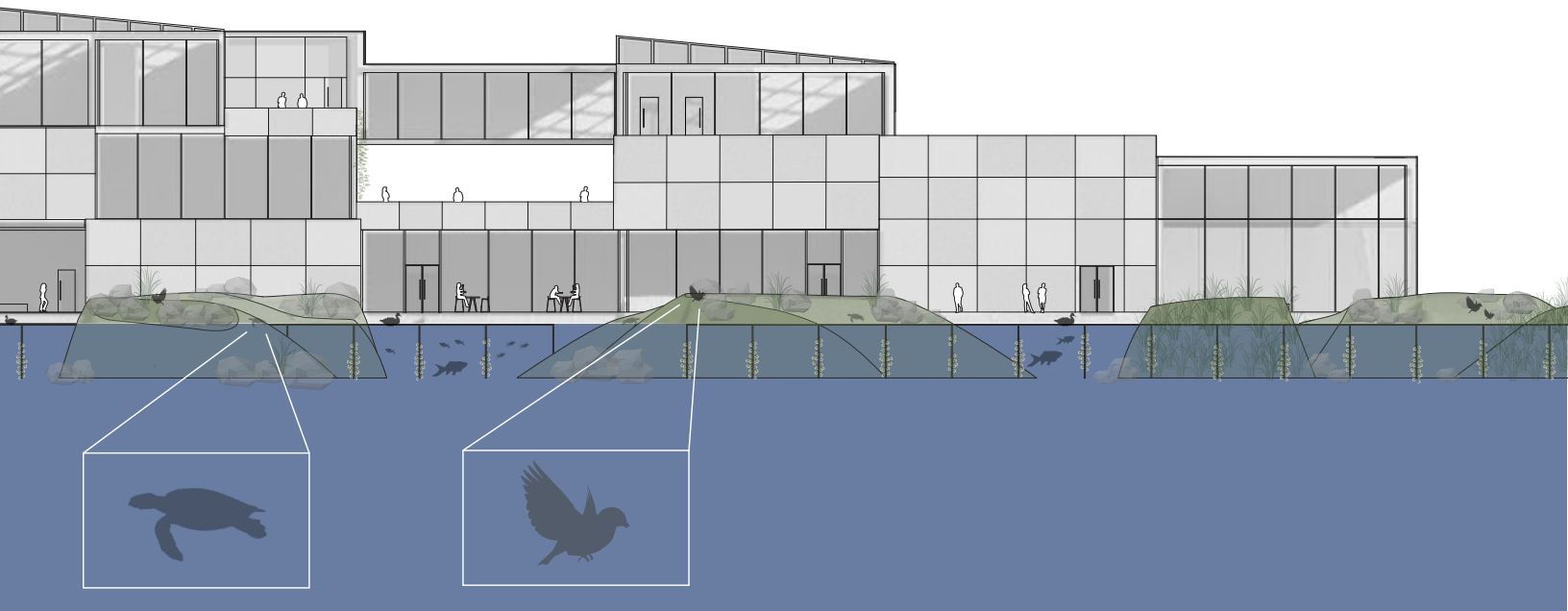
The first floor is made of a concrete structural system, for durability, and the above floors are made of CLT. The facade of the building includes an aluminium mesh, which allows plants to climb up the side of the building, creating green walls. Throughout the whole building, there are many green roofs incorporated into the design.






You can see all the natural elements I have added to my building and site, to unite man-made and ecology



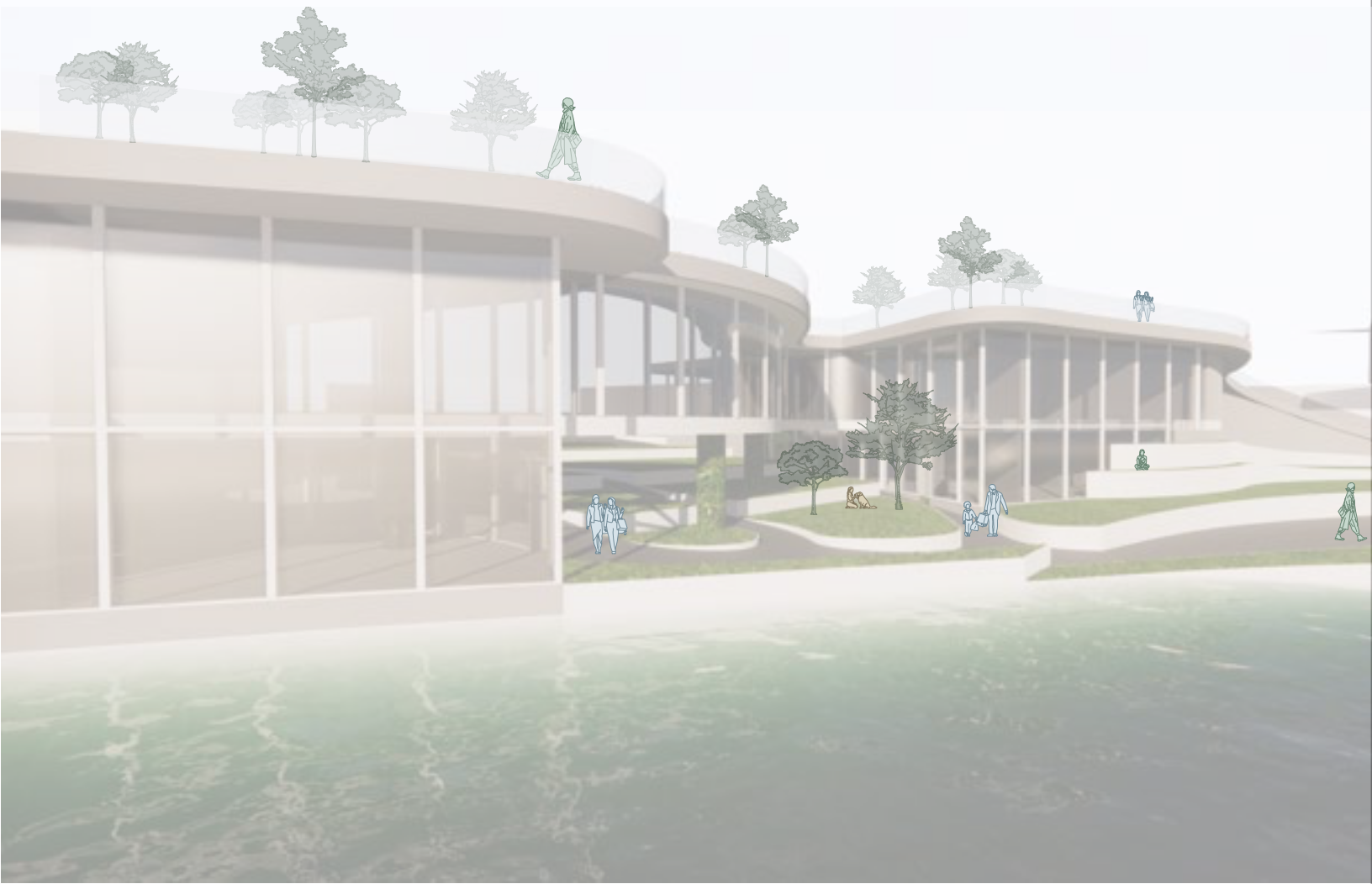


# Reclaimed Revival

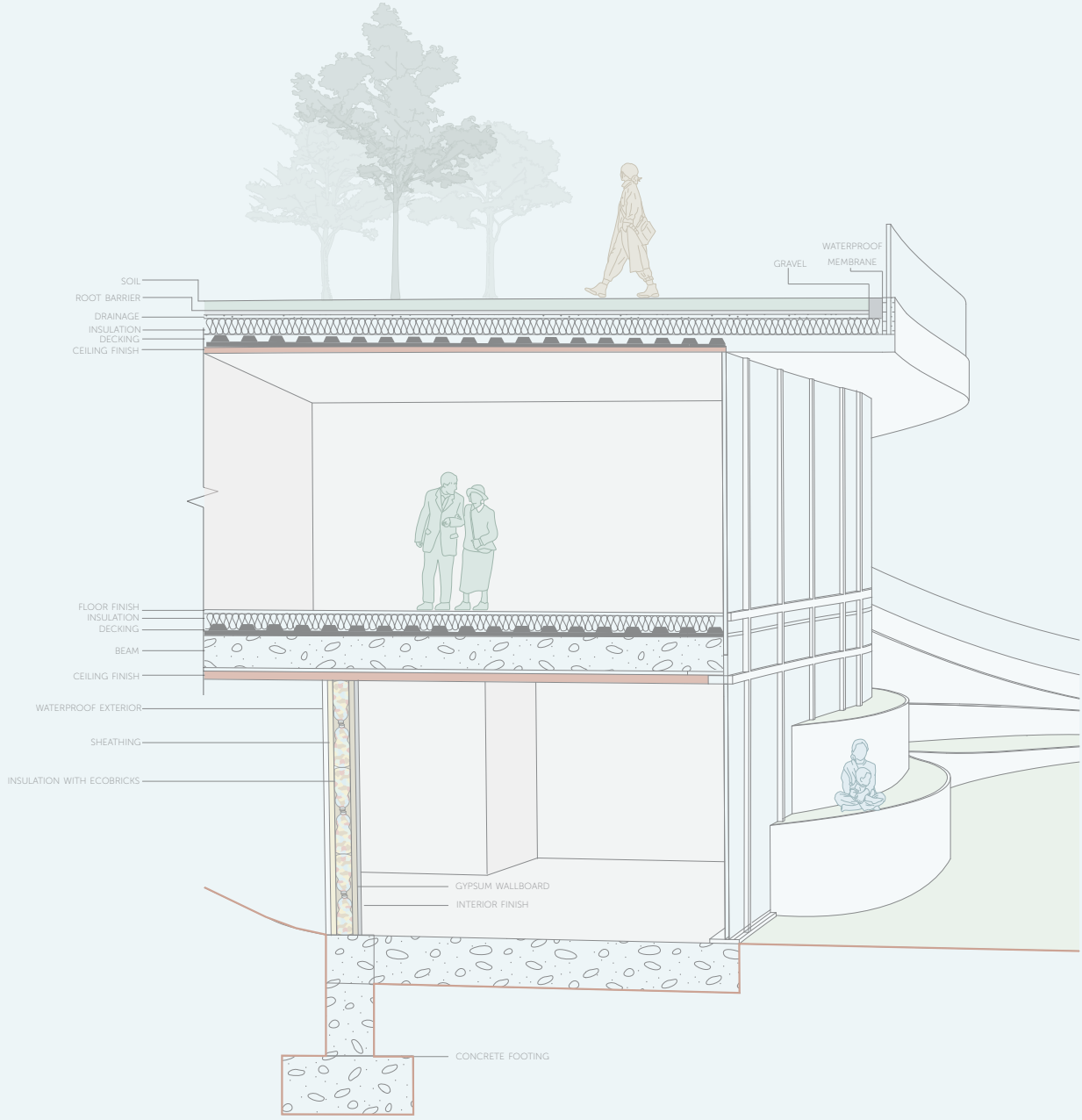
Giving new life to old materials and reviving a healthy relationship between nature and architecture

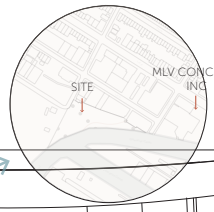
This research ecology center along the Gowanus Canal in Brooklyn, NY, takes advantage of the neighboring concrete manufacturing company, and puts the dirty garbage from the canal to good use in its insulation. This building is inspired by nature's blueprints, and is one with the land rather than just being placed on it. The use of green roofs and green walls throughout the site, further incorporates plant life into its design, taking a step towards building a healthy relationship between nature and architecture.

*Nature sets the precedent that humans must follow*
*-Cradle to Cradle*

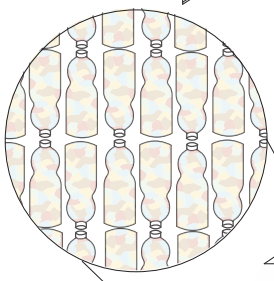



1 GALLERY
2 CAFE/BOOKSTORE
3 LOBBY
4 PUBLIC RESTROOMS
5 ADMIN OFFICE
6 LABORATORY
7 CAFETERIA/KITCHEN
8 GUEST RESEARCH APARTMENTS
9 INDOOR PUBLICEVENTS AREA
10 LIBRARY
11 MEETING SPACES
12 LOADING STORAGE
13 LOADING


SOIL
ROOT BARRIER
DRAINAGE
INSULATION
DECKING
CEILING FINISH
WATERPROOF
MEMBRANE
GRAVEL
FLOOR FINISH
INSULATION
DECKING
BEAM
CEILING FINISH
WATERPROOF EXTERIOR
SHEATHING
INSULATION WITH ECOBRICKS
GYPSUM WALLBOARD
INTERIOR FINISH
CONCRETE FOOTING

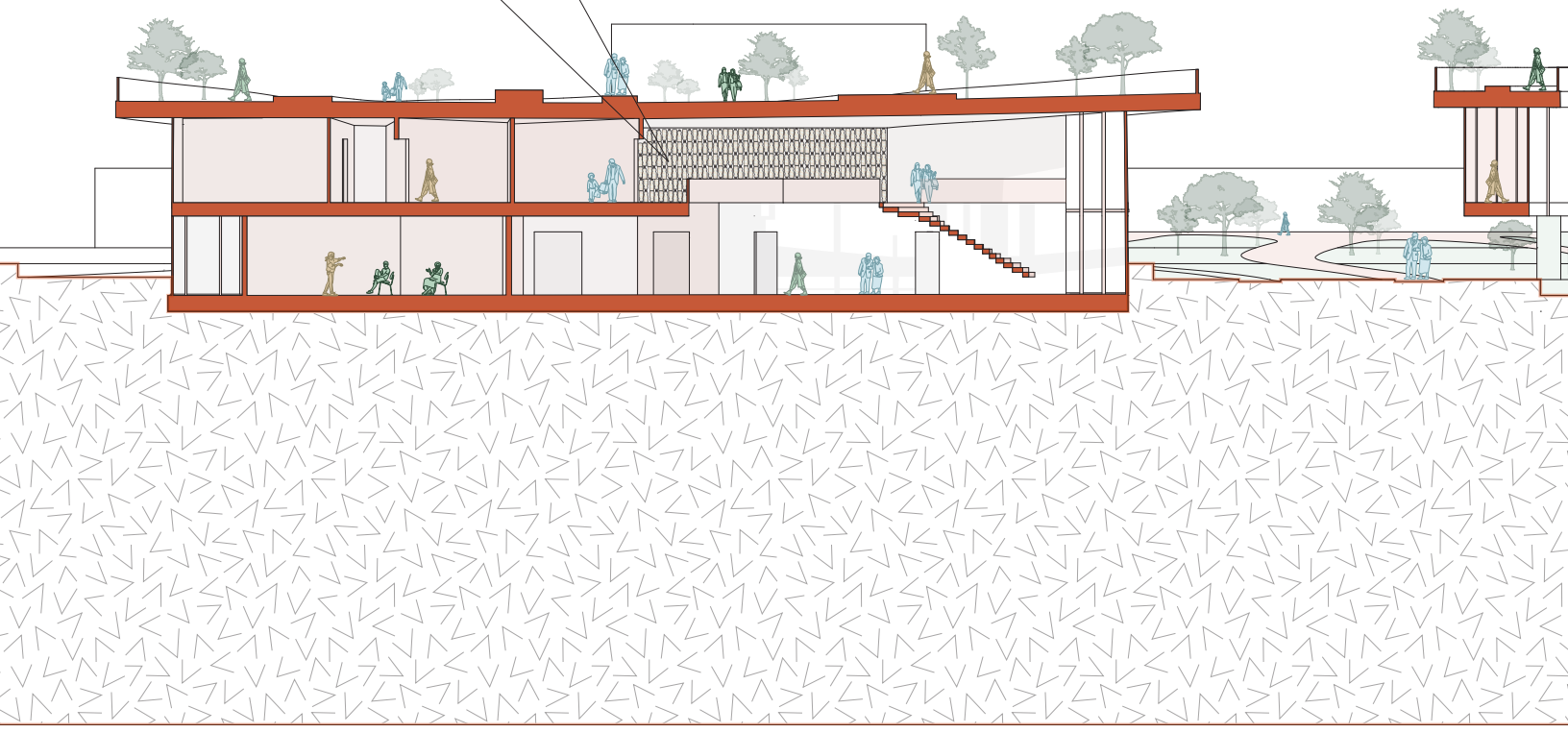


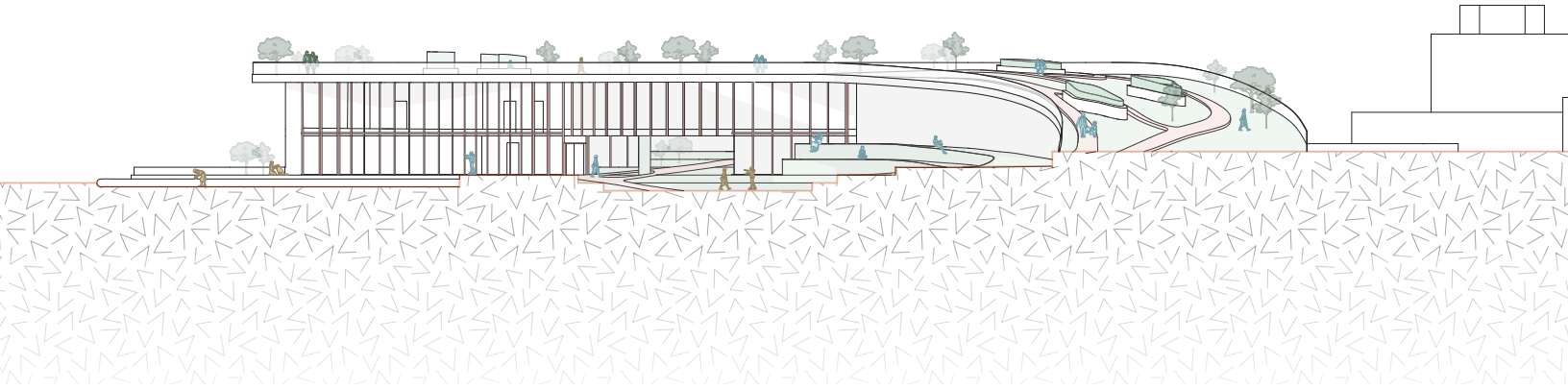

CONCRETE MADE OF GROUND WASTE GLASS AND GRAVEL

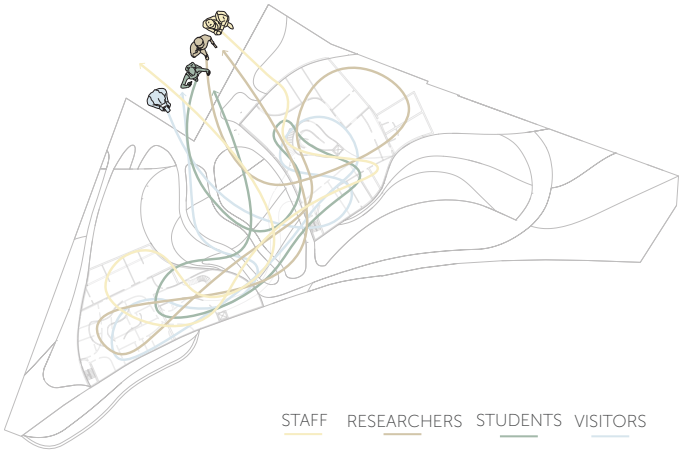


ECOBRICKS

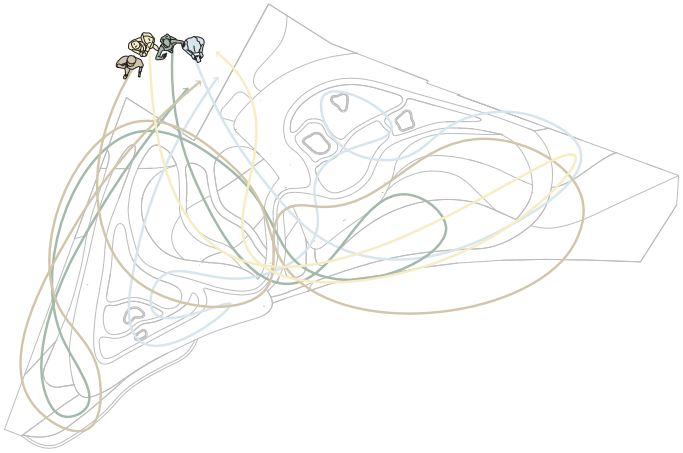
The garbage from the Gowanus Canal is collected and used to make ecobricks. The ecobricks are implemented into the building's insulation and are exposed throughout certain moments for visitors to see.

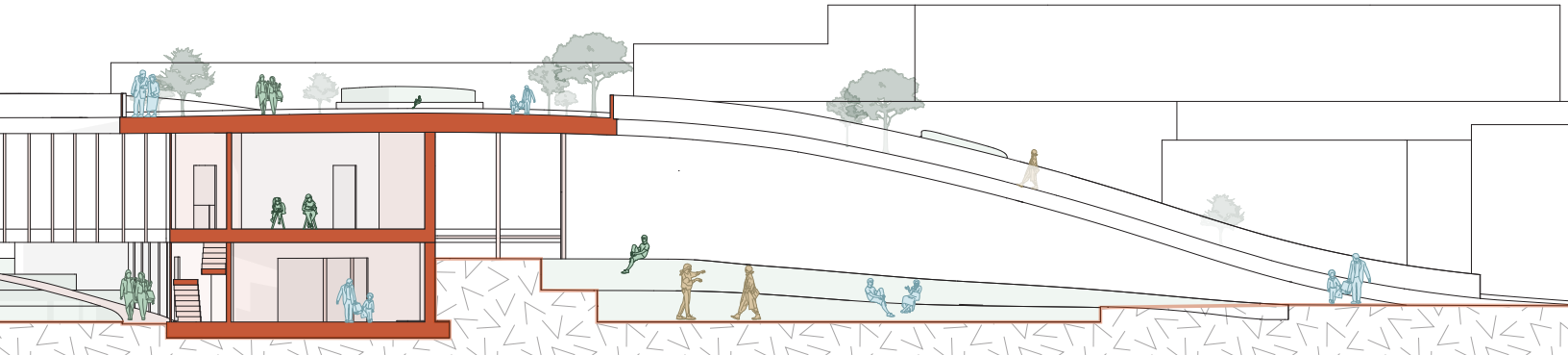






STAFF RESEARCHERS STUDENTS VISITORS

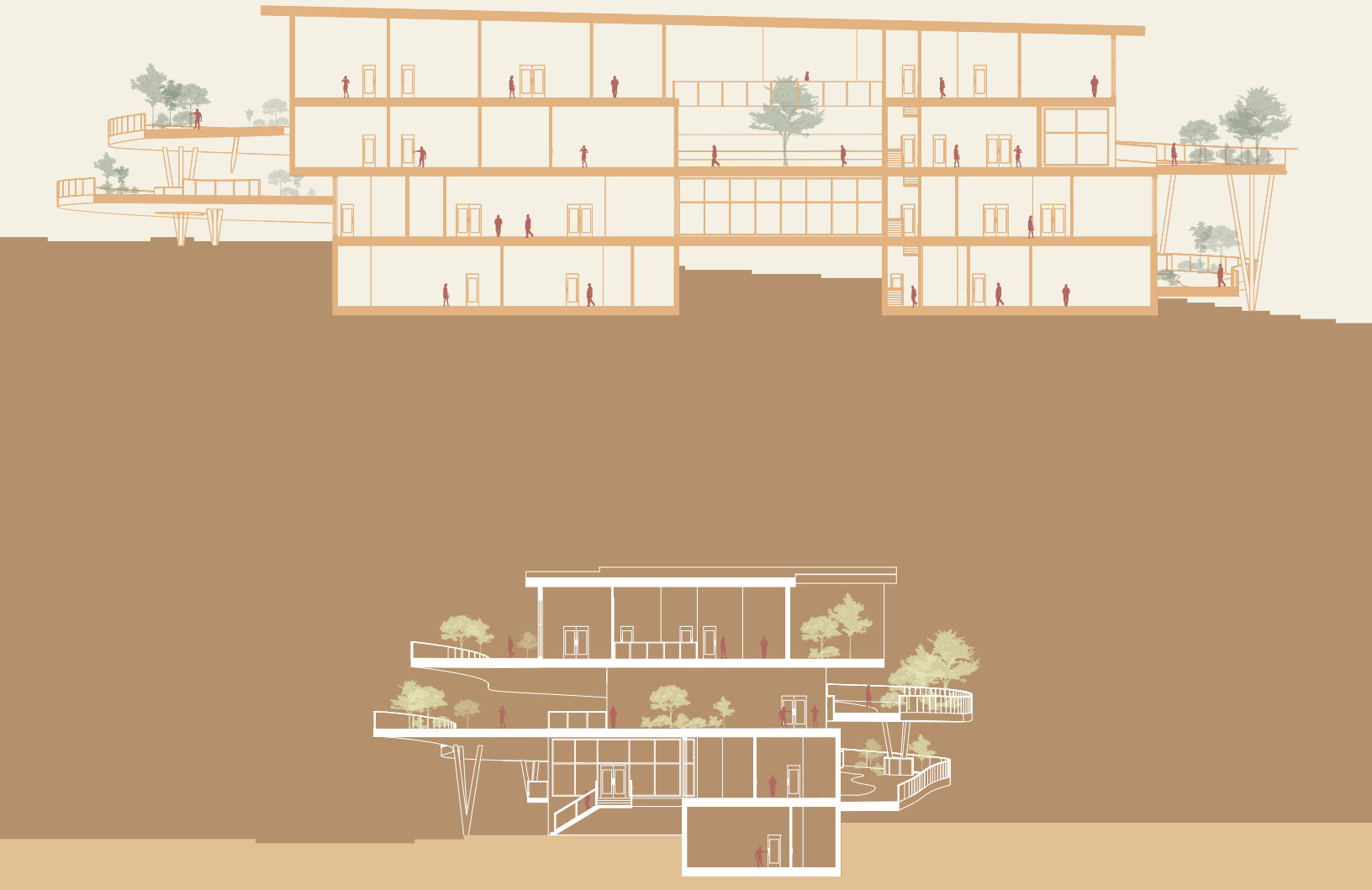


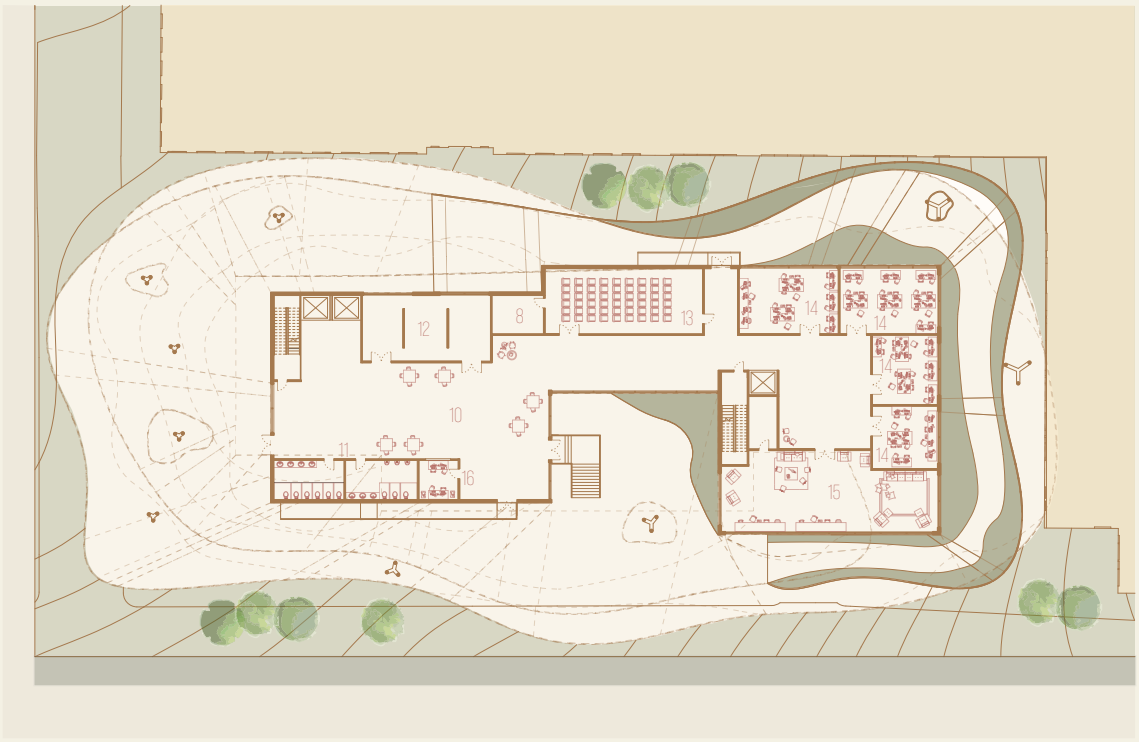


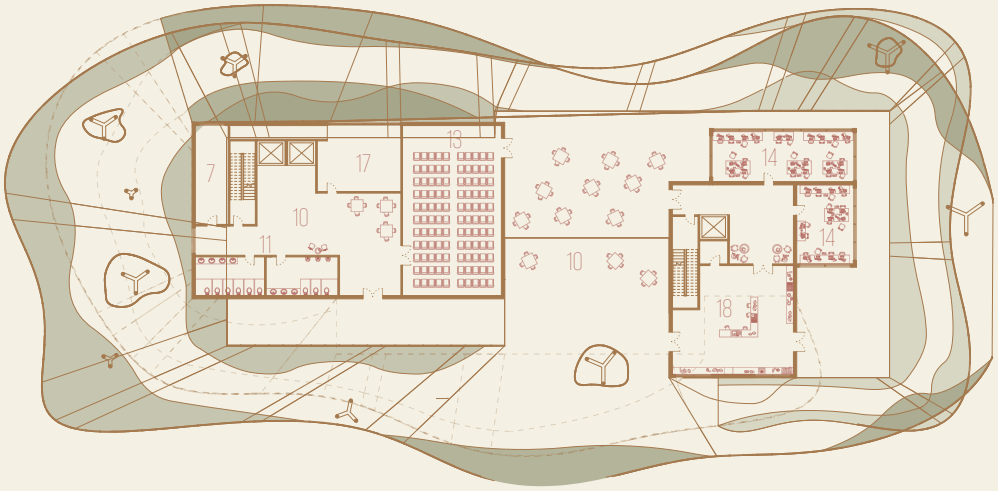
# *NJIT GARDENS*

This project to replace the NJIT bookstore revolves around the concept of circulation through the usage of ramps, terraces, and balconies. It features one main ramped terrace bordering the entirety of the building, which is used as gardens for the students to grow their own crops and organic foods. Meals can later be prepared in their own kitchen on the second floor.

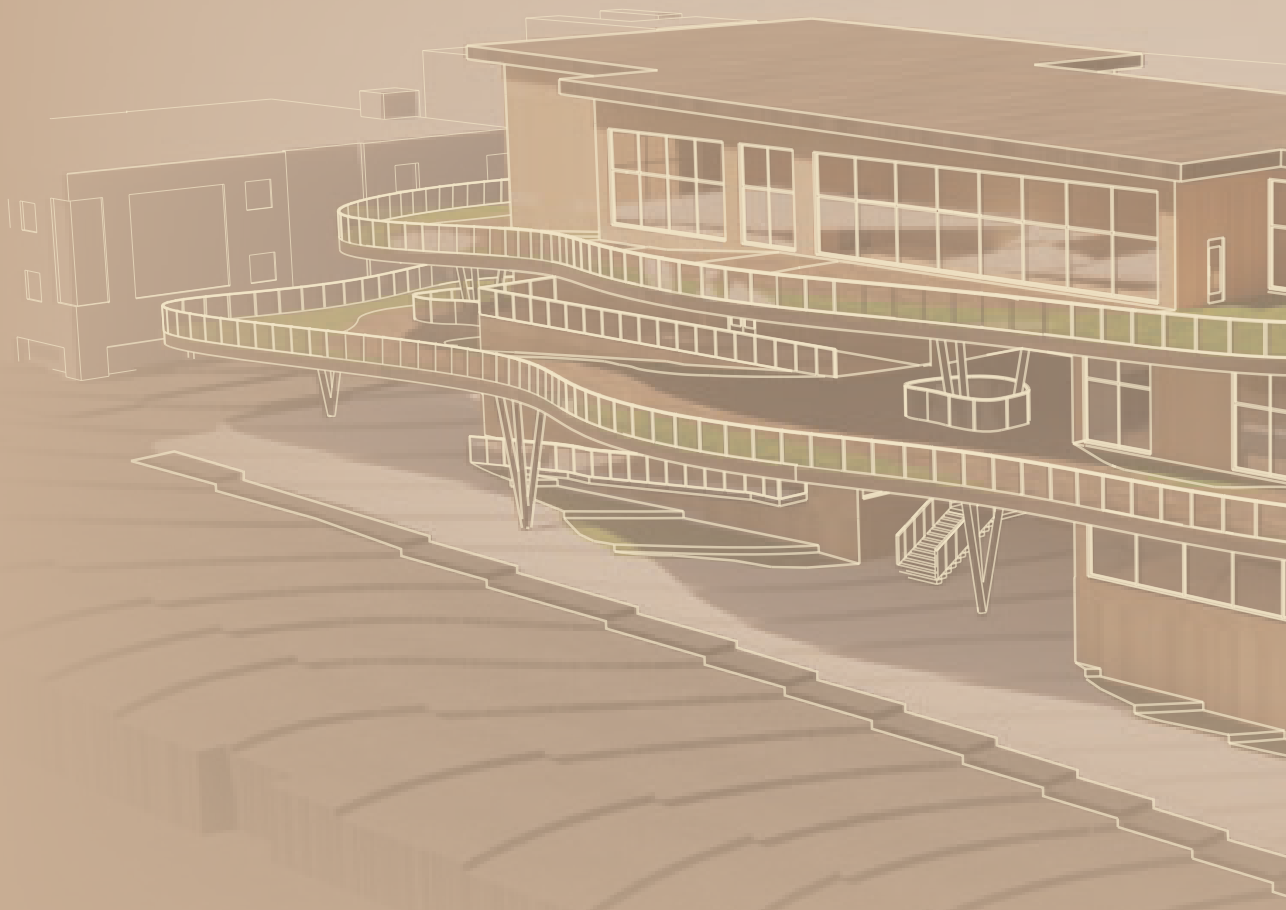
Through cultivating their own food, students can have healthier, more organic, and sustainable options of food.

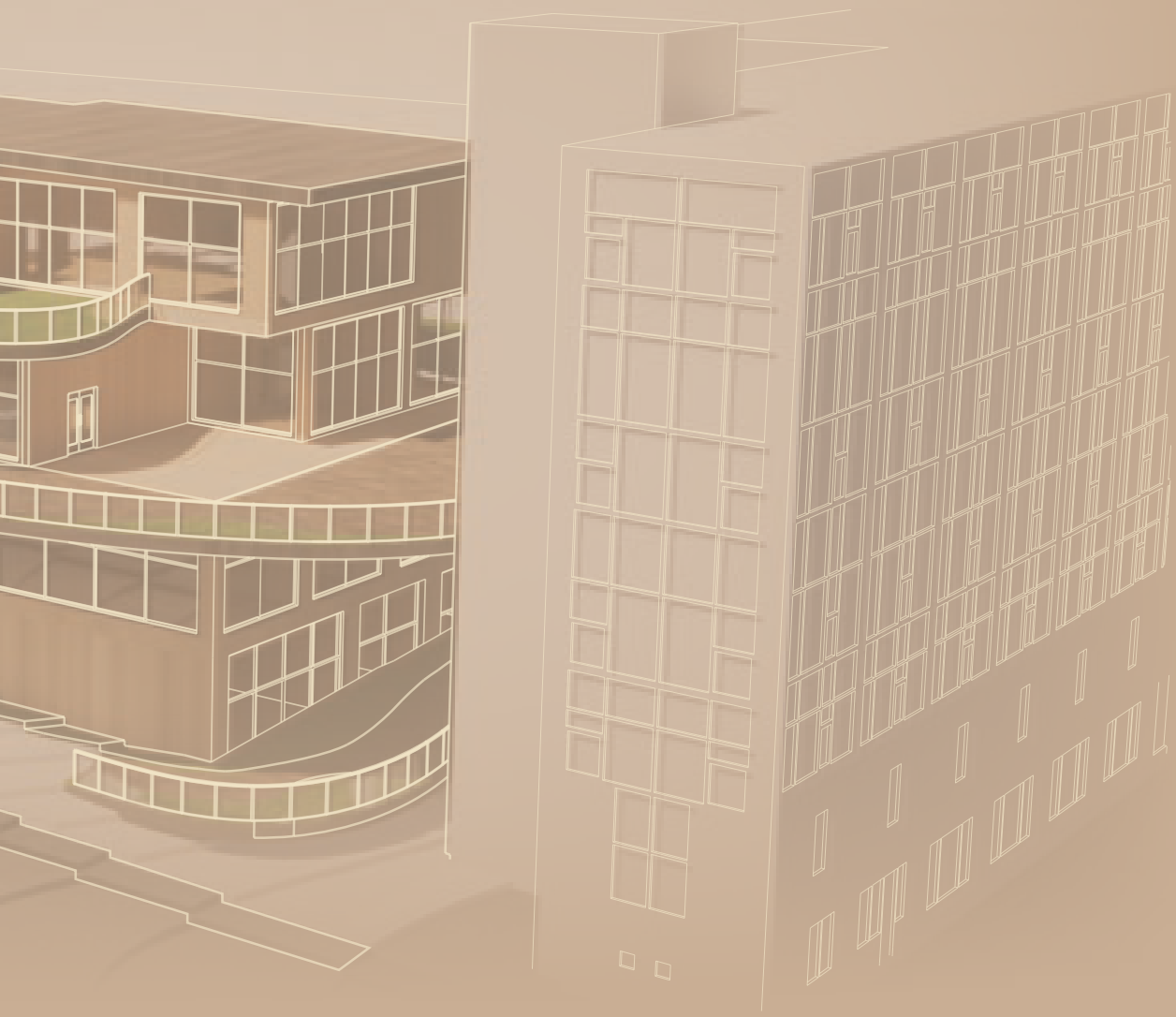


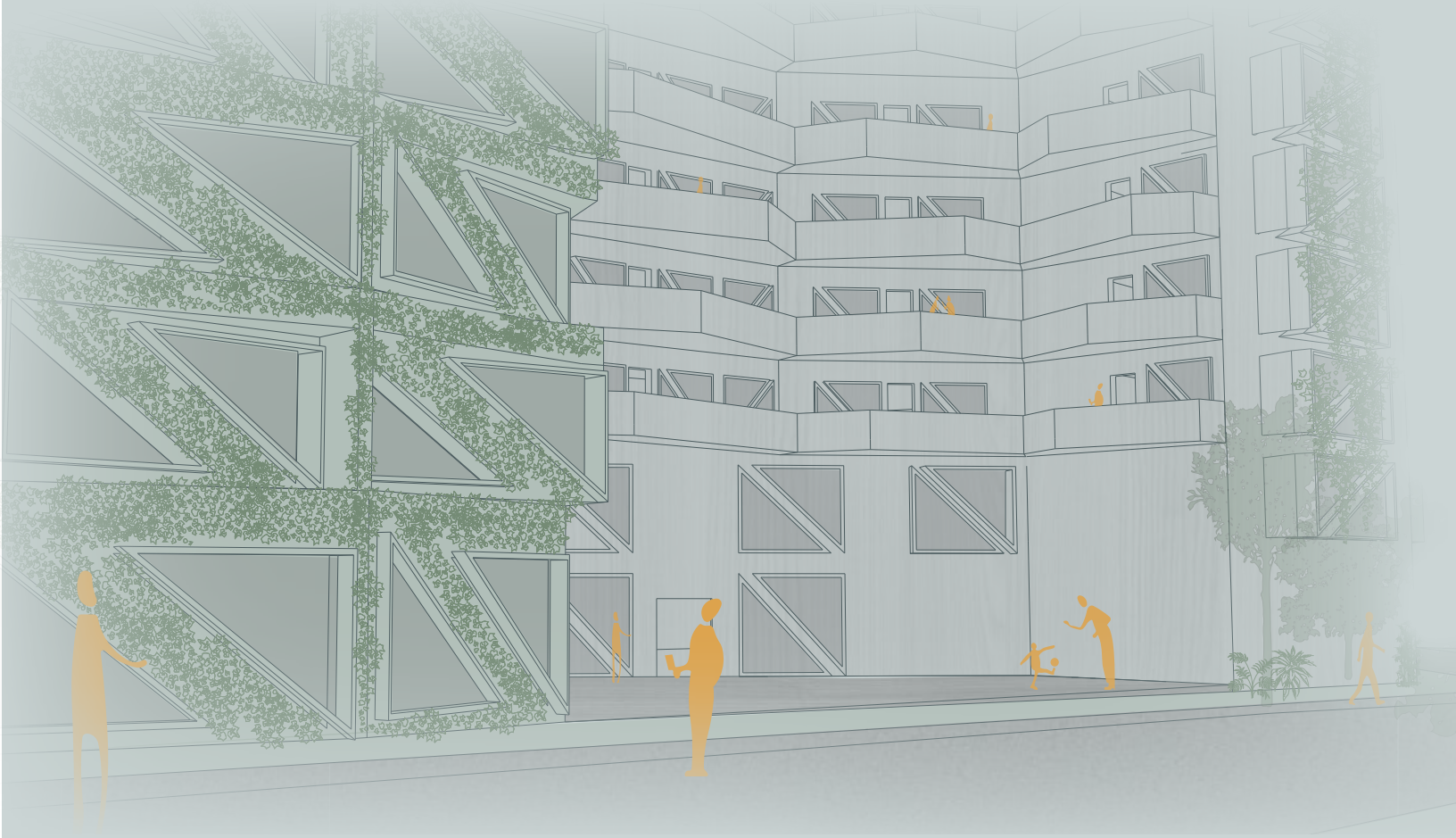



This project allows students to be able to experience some greenery while studying, at New Jersey Institute of Technology. Apart from providing students with a healthier option of food, studies show that plants serve as a stress-reliever and increase creativity. The ramped terrace makes it easily accessible to everyone and provides access points at all levels of the building.





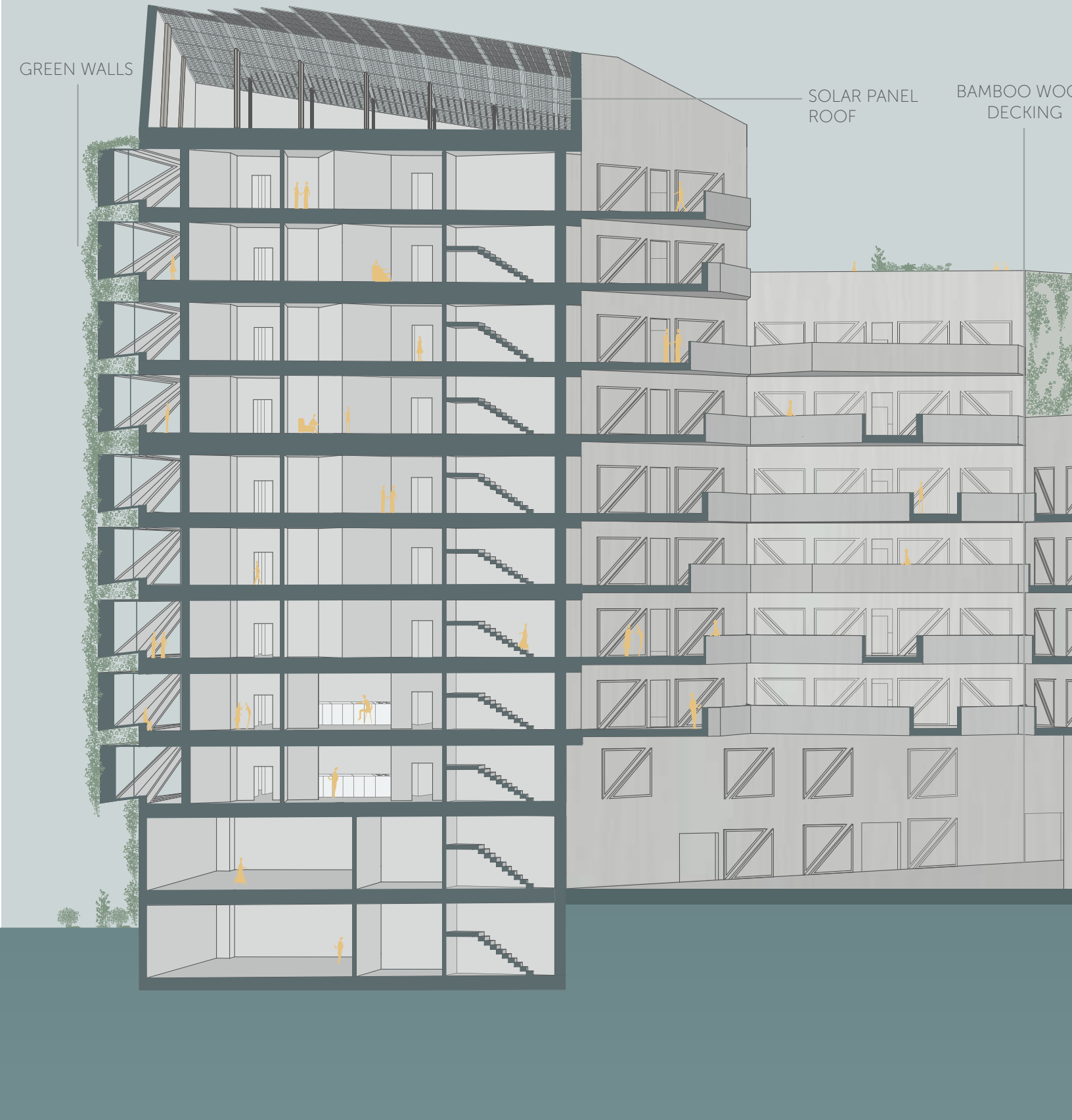


# *NATURE MEETS ARCHITECTURE*

With 40% of carbon emmissions coming solely from buildings, it's time to take action and create a healthy relationship between nature and architecture.

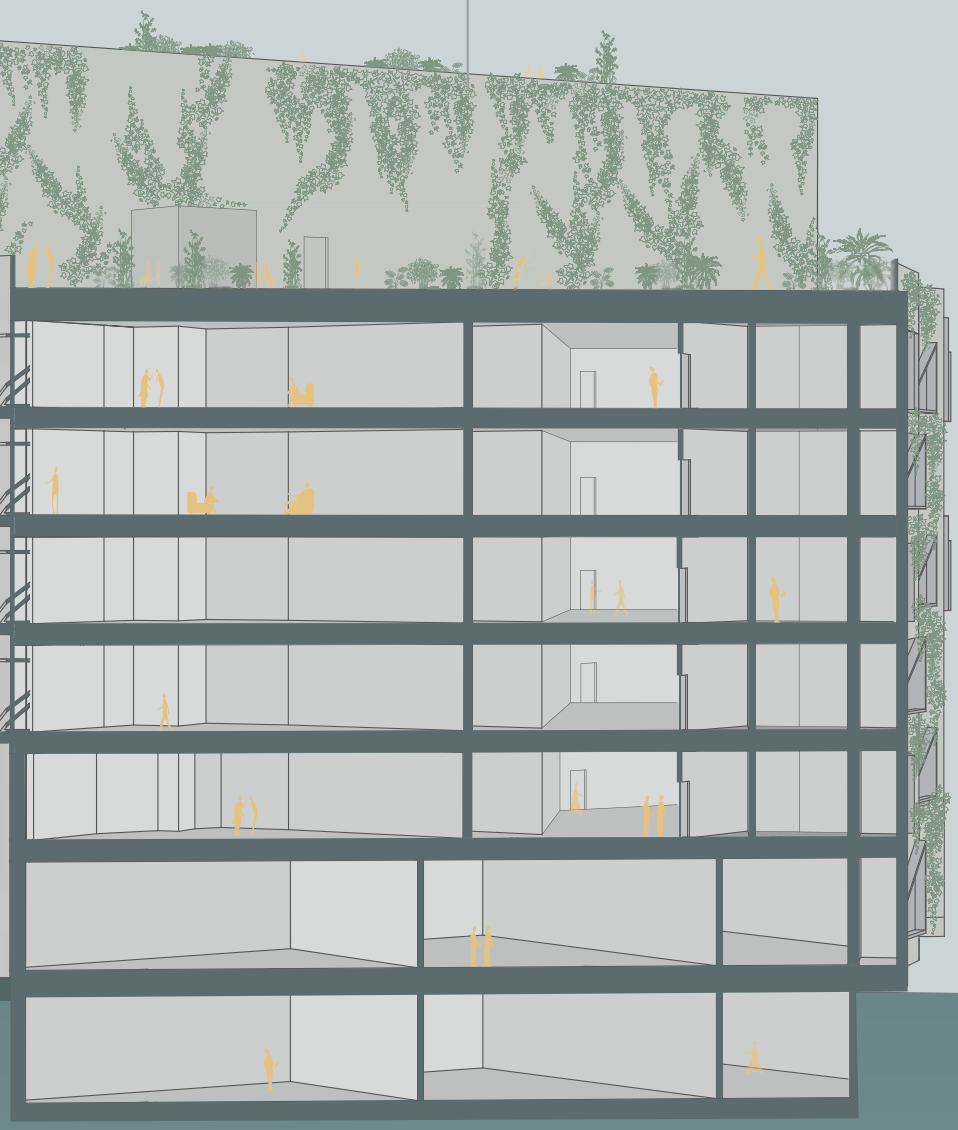
This building does just that, with a CLT structure, green roofs, green walls, and other sustainable materials. A green facade hangs over apartments' windows, to provide shade during the summer, and allow maximum sunlight during the winter. It also helps with insulation and acoustic buffering, while the plants themselves help increase residents' mood, creativity, and decrease stress.

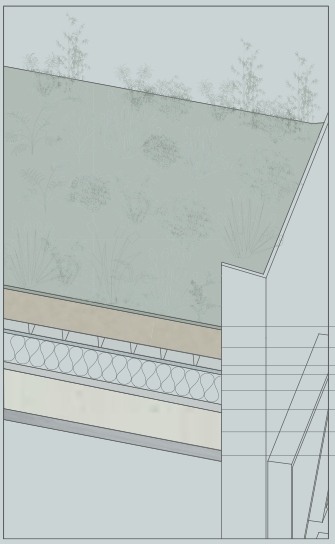

THE RELATIONSHIP BETWEEN NATURE AND ARCHITECTURE IS SYMBOLIZED THROUGH THE JUXTAPOSITION OF THE GREENERY AND THE VERY ANGULAR BUILDING. THE ANGULARITIES CONTINUE THROUGHOUT THE INTERIOR AS WELL, TO CREATE AN INTERESTING EXPERIENCE FOR RESIDENTS.

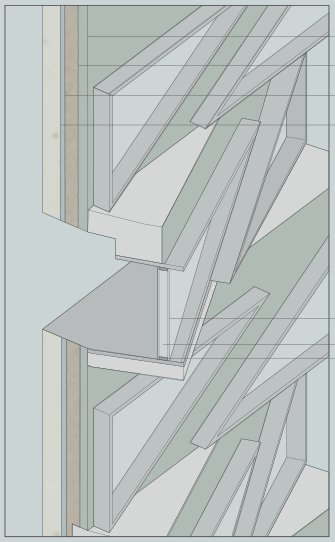

GREEN WALLS
SOLAR PANEL ROOF
BAMBOO WOO
DECKING

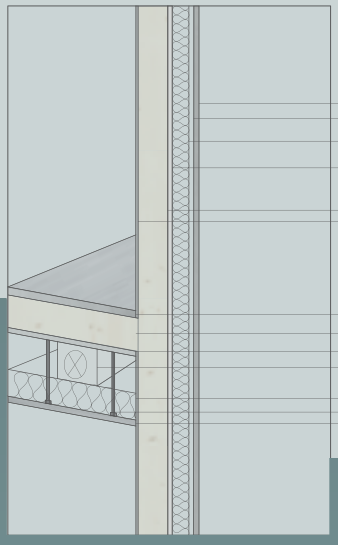
OD

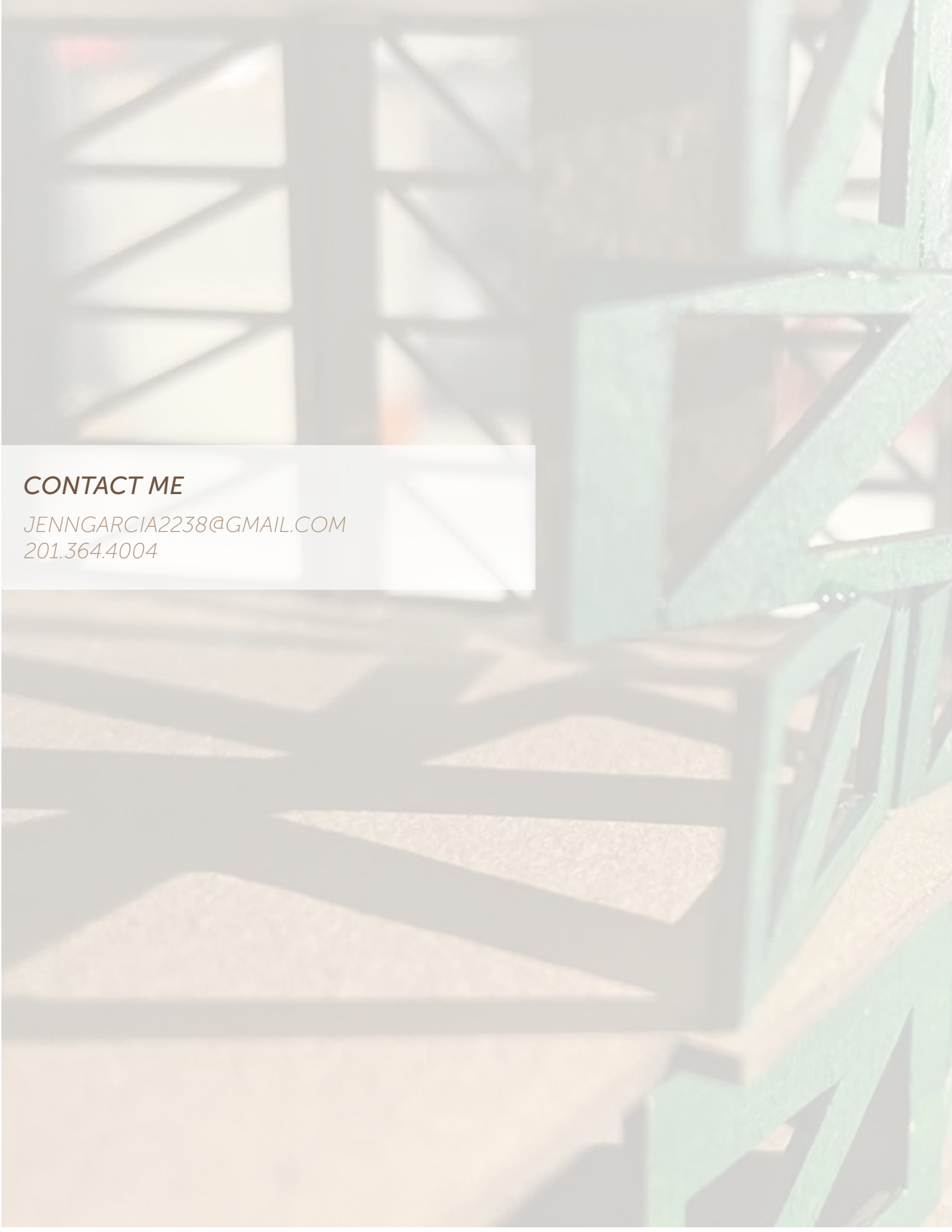
GREEN ROOFS







## CONTACT ME

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