



TIFFANIE LEUNG
PORTFOLIO

| Selected Works | 2013 - 2017 |

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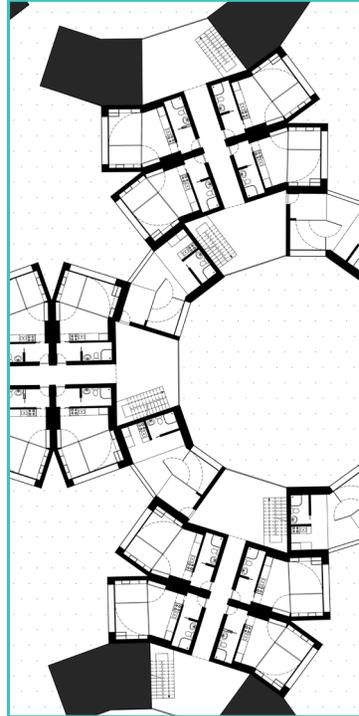
COMPETITION



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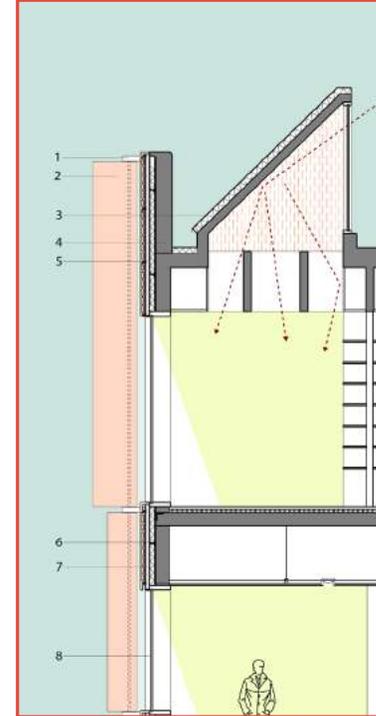
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THE NEW BANK OF ENGLAND

teasing classicism

Mixed-use public cultural complex :
| museum | gallery | shops | office |
| residential |

Individual Conceptual Project

Site: London
former Bank of England site

Date: 2017

Ambiguous Preservation Studio

Playing with positivity and negativity, the new Bank of England teases the classical style through repeated and sequential forms. The facade of the complex features a repeating elevation that appears to be inherently classical, but plays with asymmetry in pattern as well as games of positivity and negativity throughout the site.

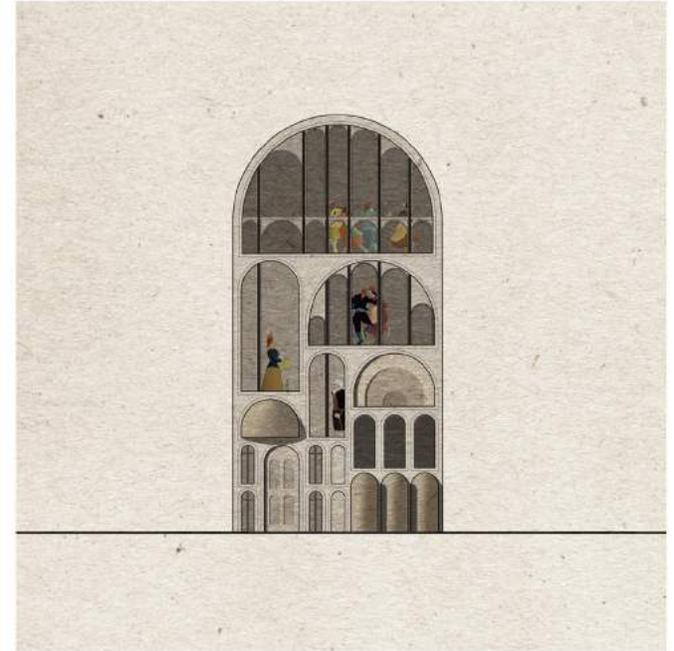
Organized in a thickened perimeter condition, the new Bank of England features larger cultural facilities that are embedded in the perimeter form, which hosts smaller commercial shops on the ground floor. The insertion of the larger cultural foci pushes the inner facade envelope inwards and outwards, also contributing to the positive-negative game evident in the elevation.

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Representational Elevation Studies



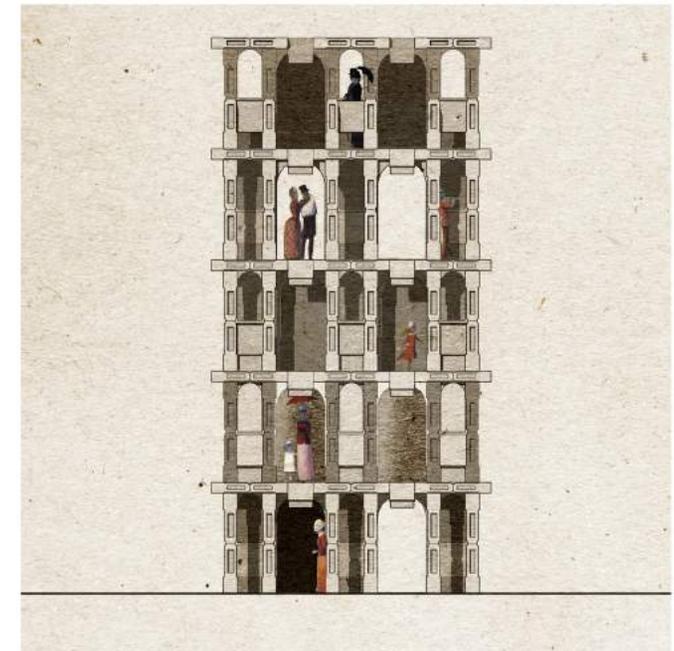
Positivity and Negativity



Systematic Noise



A Faintly Distinguishable Pair



Transforming Modulation



Plate 1



Plate 2



Plate 3



Peepshow Composite: *Grazing Cattle*

How does one preserve history? By using the perspective view as a device for further exploration, the peepshow served as a translation of the elevation drawing into 3-dimensional space. Construction from elevation to perspective and its subsequent deconstruction into Plates offered deeper levels of spatial comprehension. The resulting peepshow becomes a manifestation of explorations of preserved information across multiple mediums.



Plate 4



Plate 5



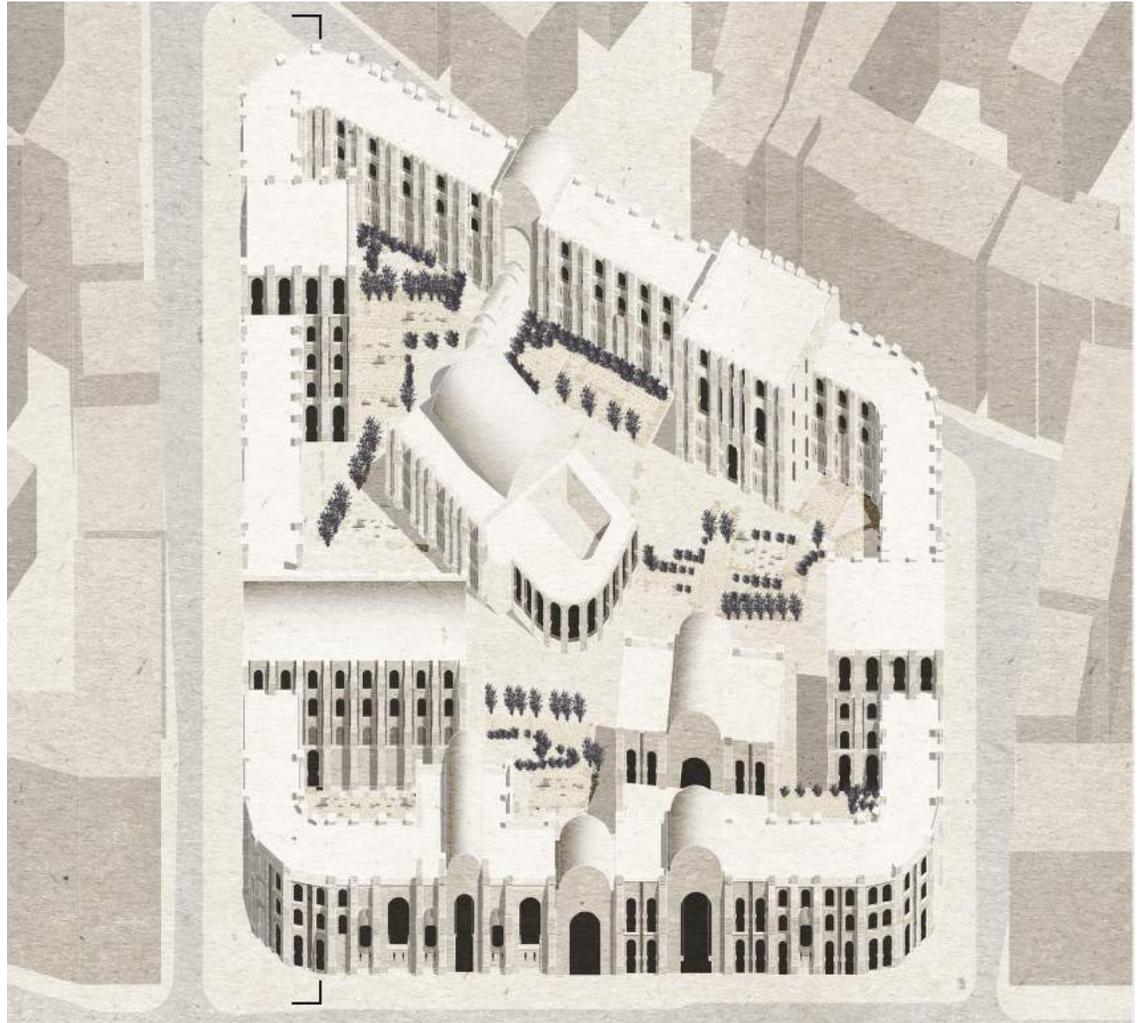
Plate 6



Central Promenade

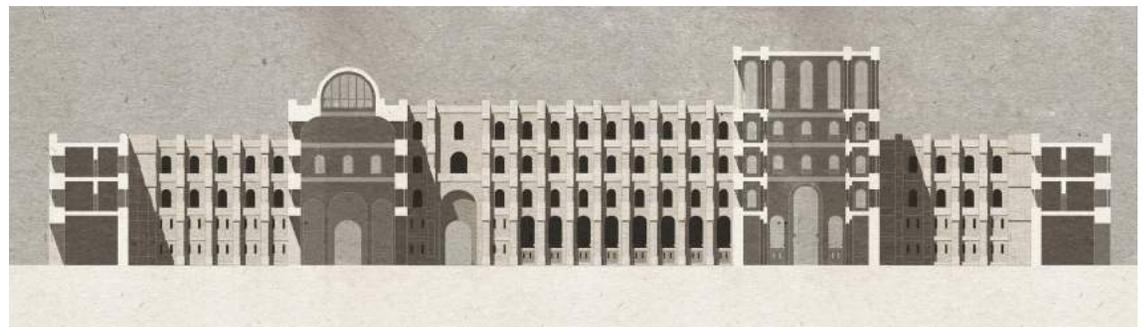


Peeking through an Entrance



Oblique Render

Watercolor Sketches



THE D.O.T.T.I.E. PROJECT

*Digitally Operated TecTonic
Integrated Environments*

Single-family residential home

Collaborative Team Project
*New Jersey Institute of Technology
Fujian University of Technology*

Solar Decathlon Competition Entry

Site: Dezhou, China

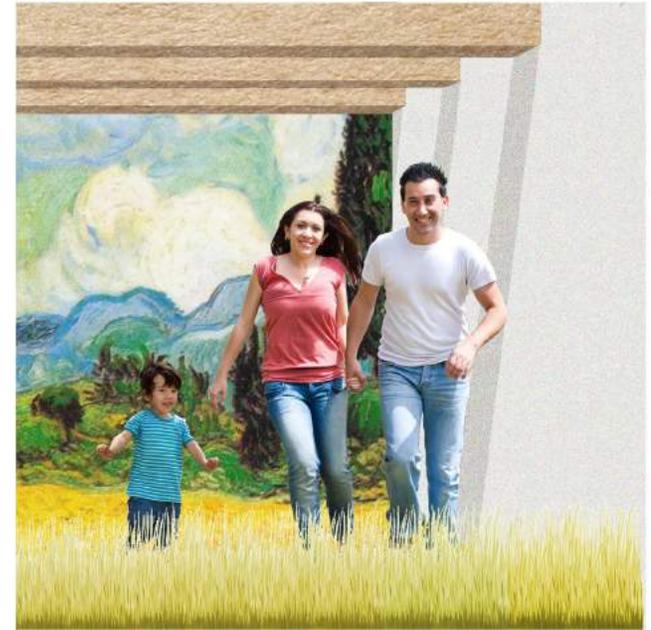
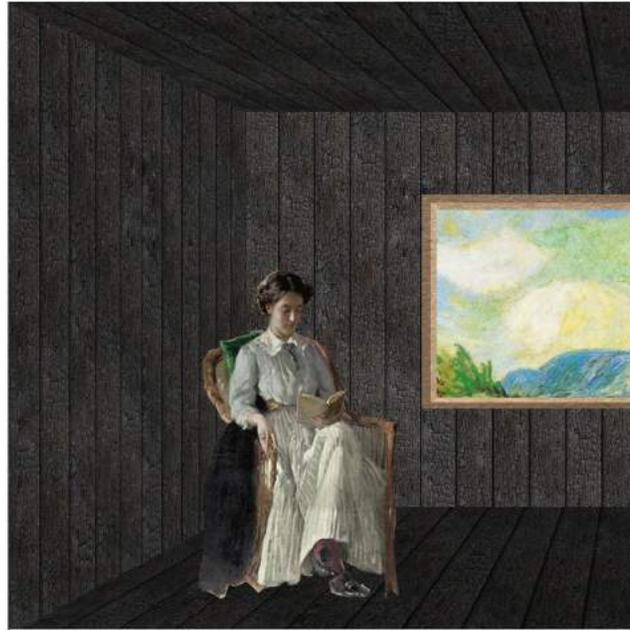
Date: 2017-18

Co-op Interdisciplinary Studio

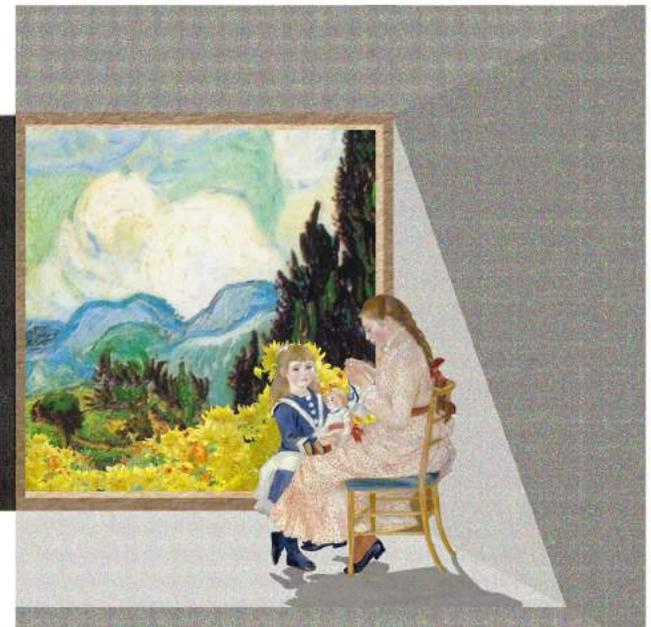
The D.O.T.T.I.E. Project Project was a collaboration between NJIT and FJUT for the Solar Decathlon China Competition in 2017-18. The main goal for our design was to explore how four generations could live and coexist harmoniously together in a net-zero home of the future.

The general layout is based off of traditional Chinese dwellings with a modern approach. The central, double-height space in the house acts as a meeting place for the family and frames special moments throughout the house. Nooks and openings act as frames for various special moments, and symbolize the playfulness, structure, and flexibility of the dwelling. This “memory wall” symbolizes the harmony between the four generations.

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Inside-Outside: Clear Separation

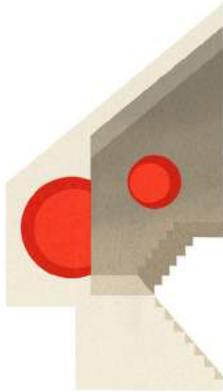


Outside-Inside: Ambiguous Separation

Fragment 1



Fragment 2



Memory Room through a Frame



Memory Room Sketch

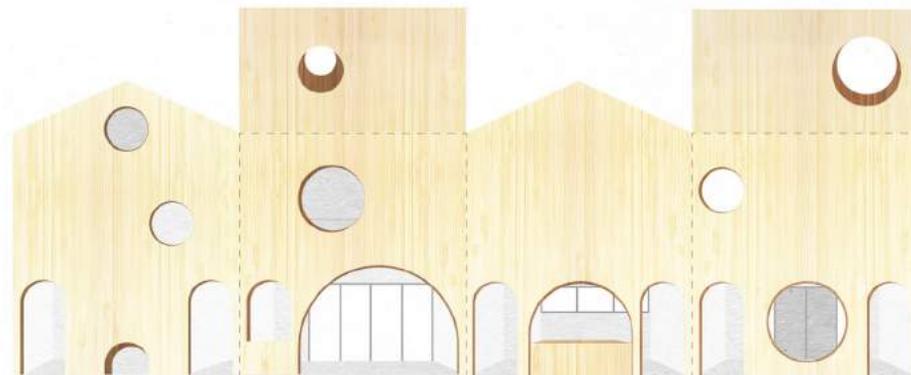


In the team, I was tasked with developing the visual representation of the project. In order to appropriately depict multi-generational domesticity in D.O.T.T.I.E.'s architectural language, digital collaging of the expressionist style was used to evoke a sense of timeless nostalgia and familiarity. With digital collaging techniques, spatial and generational relationships could be explored without the burden of hyper-realism.

Framed Memories



Memory Room Unfolded Elevation



THE LOTUS

a penrose tiling

Residential Micro-Unit Housing

Group Project

Academic Concept

Task: 100 Units / Acre
Horizontal Aggregation

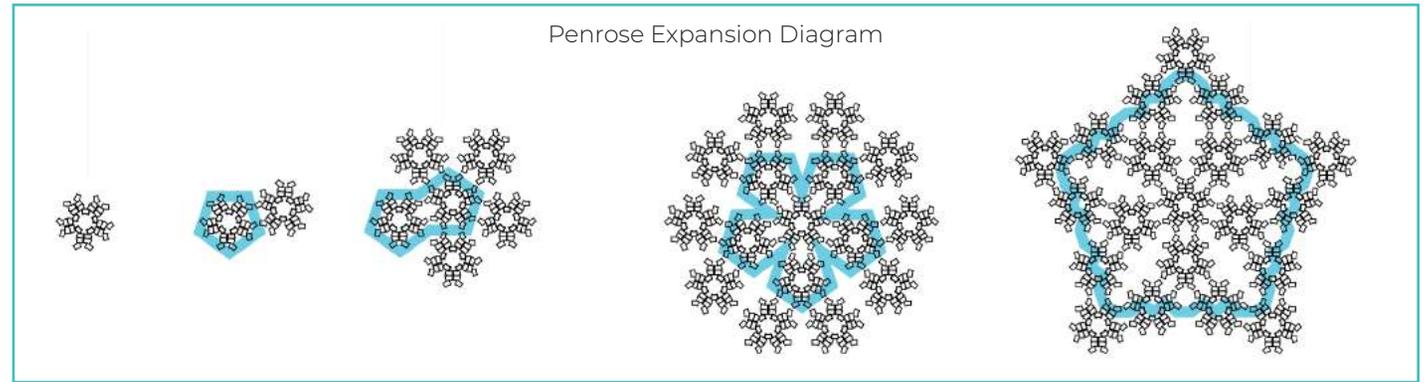
Date: 2016

Housing Studio

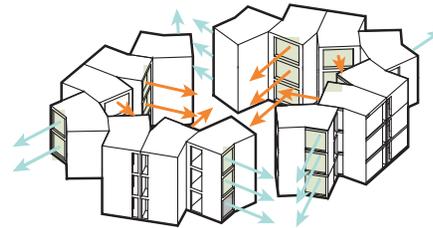
The Lotus is a ninety-six micro-unit housing project located on a single acre. The horizontal aggregation of the units employs penrose tiling as an organizational strategy. The radial repetitions and geometric fractalization allows for future expansion.

Each unit is oriented strategically to give a view allowing the unit to expand through perception. As a secondary effect, the units' configurations form unique spaces that serve as inner courtyards for community gatherings and smaller intimate connection spaces. Allowing for one-to-one connections with neighbors and friends, the project effectively generates more opportunities of socialization at both the intimate and community scale.

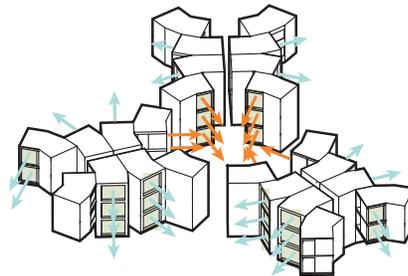
9 | the lotus



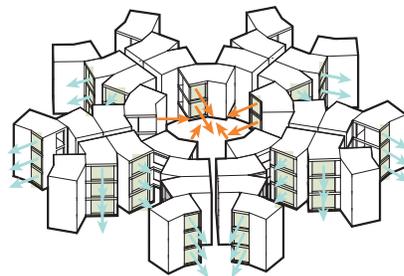
Module Set A



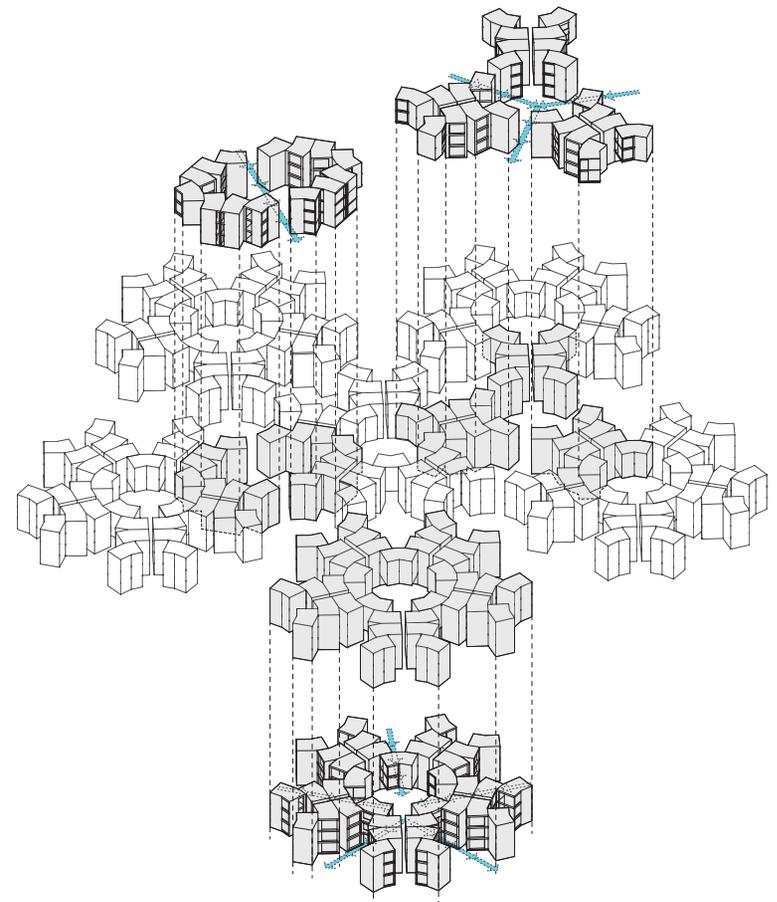
Module Set B

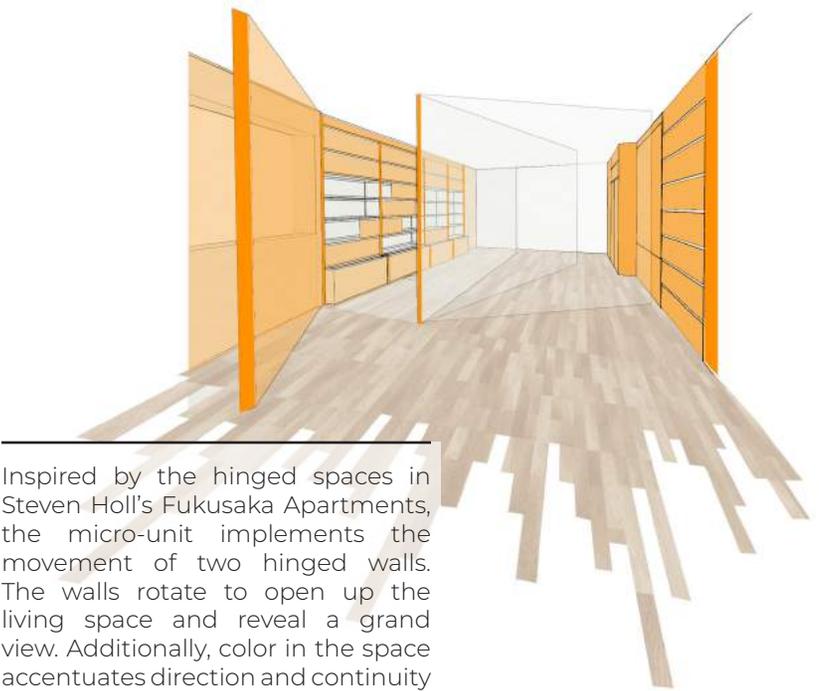
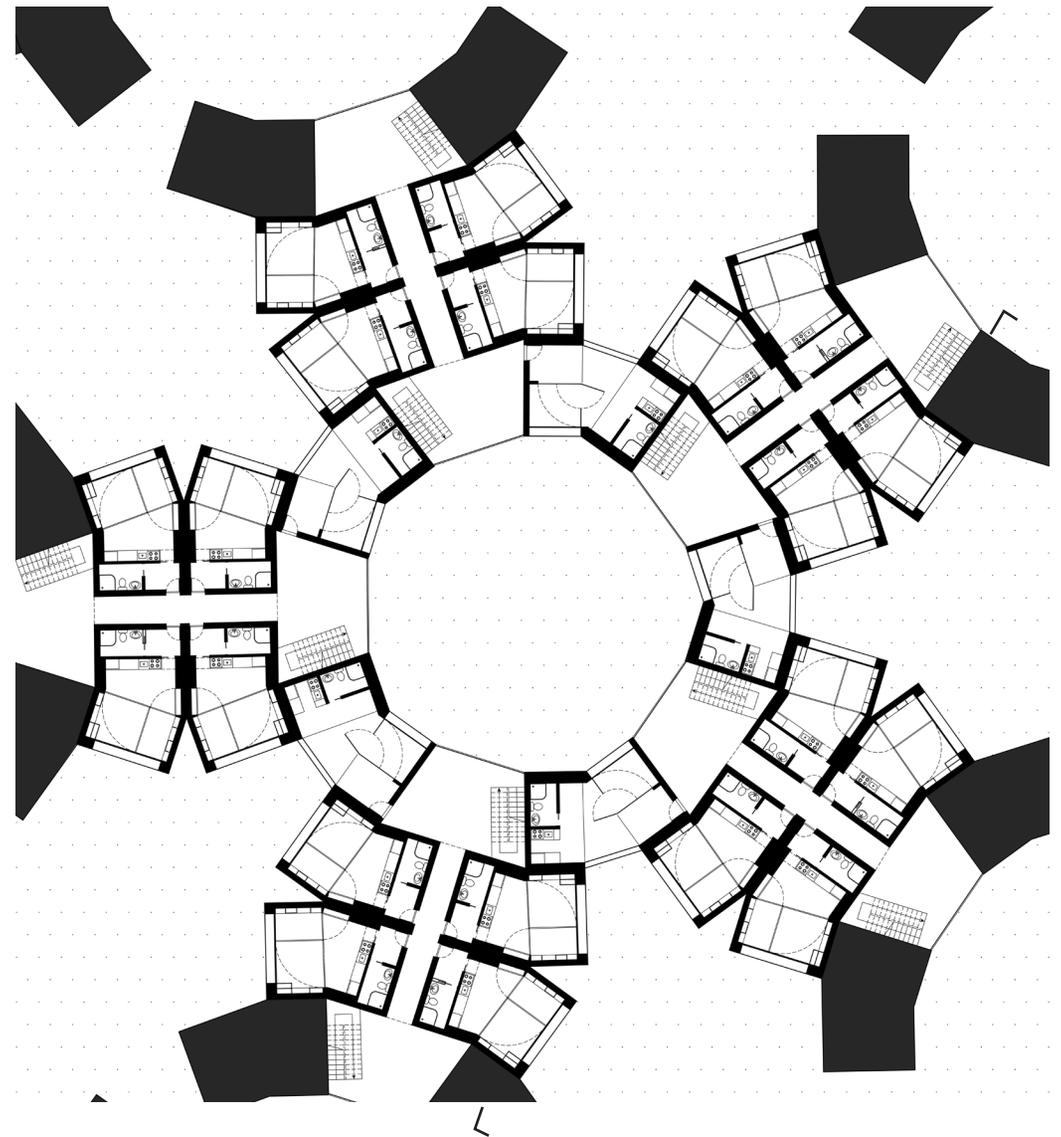
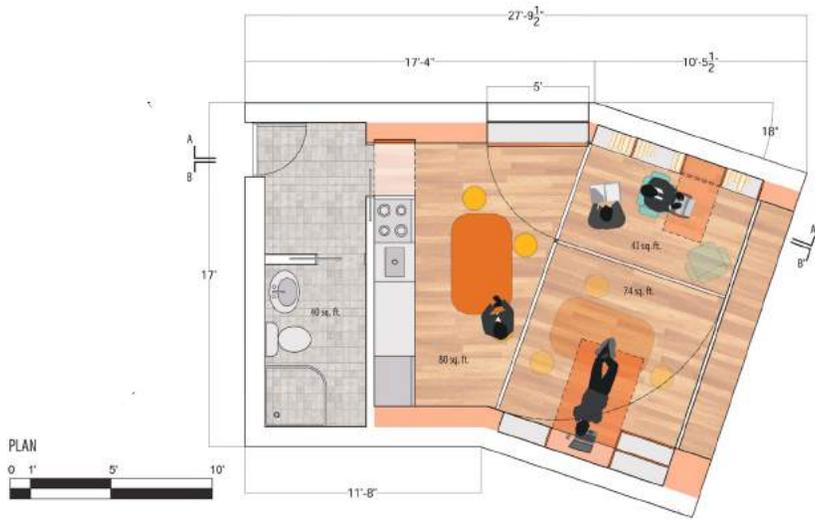


Module Set C



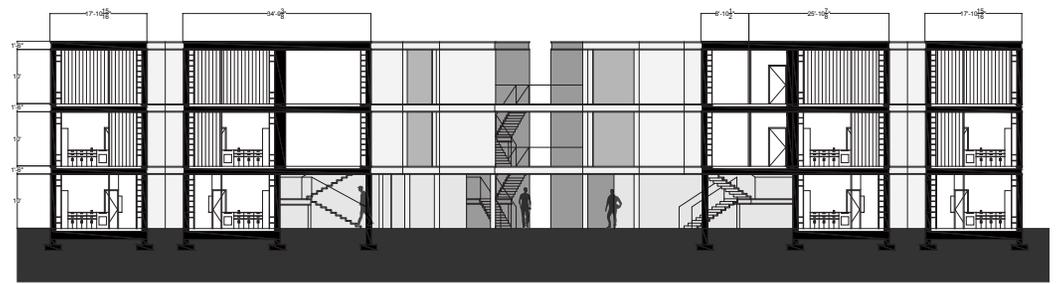
Circulation Diagram





Inspired by the hinged spaces in Steven Holl's Fukusaka Apartments, the micro-unit implements the movement of two hinged walls. The walls rotate to open up the living space and reveal a grand view. Additionally, color in the space accentuates direction and continuity once the living space(s) are opened up.

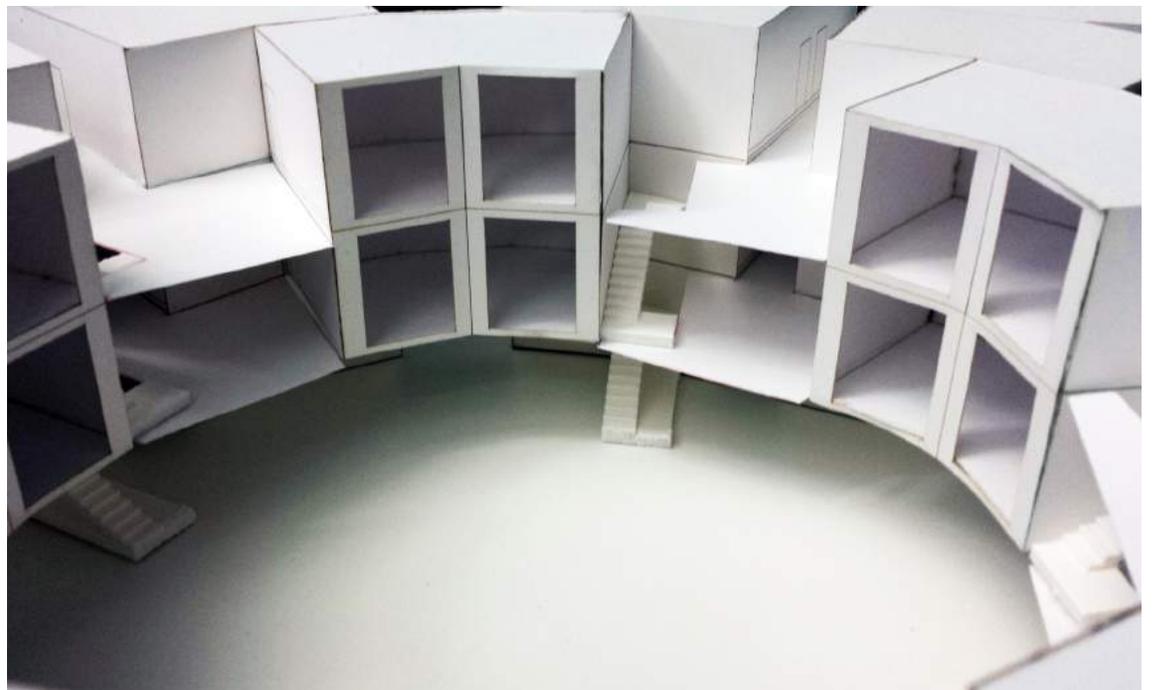
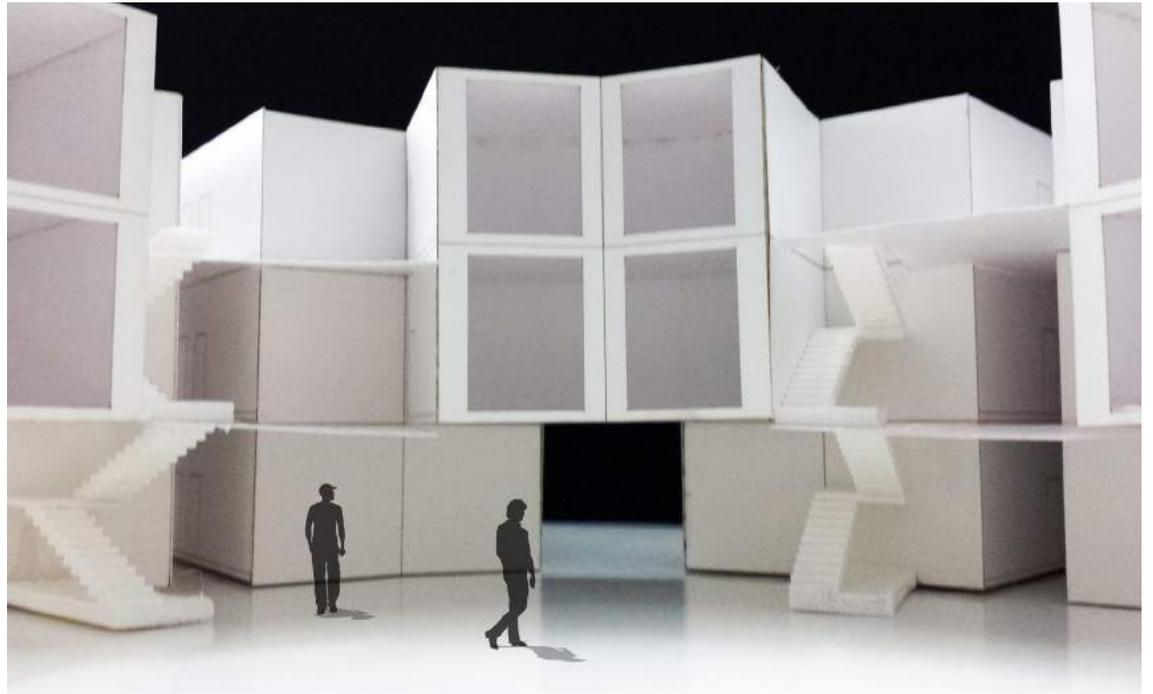
Unit Net Area: 304 sf
Unit Gross Area: 444 sf



Micro-Scale: Wall Rotating to Reveal a View



Macro-Scale: Courtyard Views



THE NEW JEFF

*same rhythm,
new tune*

New York Public Branch Library
| Library | Restaurant | Cafe |

Individual Project

Comprehensive Project

Site: Greenwich Village, New York

Date: 2017

Comprehensive Integrated Studio

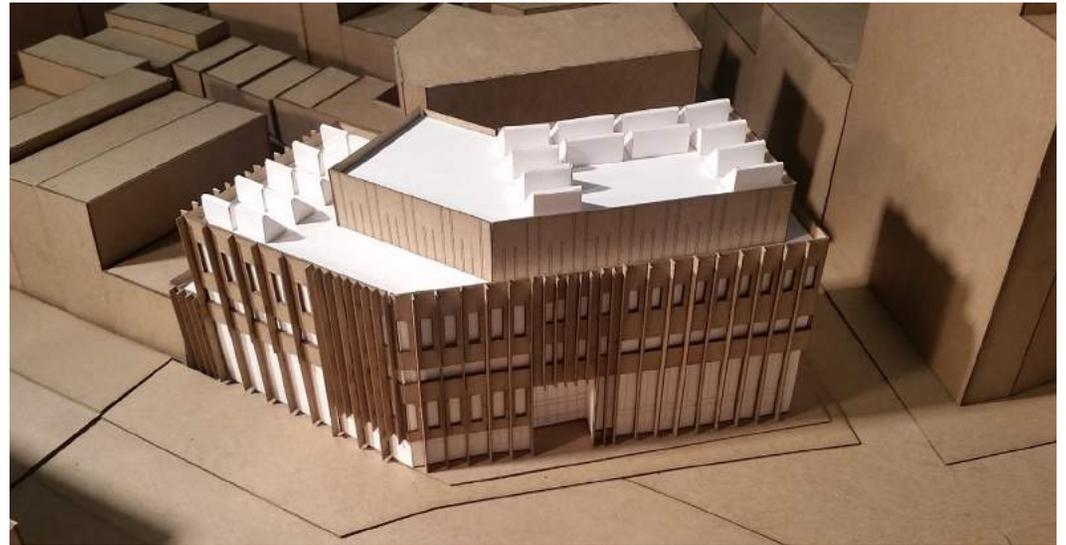
The New Jeff is a fresh tune inserted into the lyrics of the Greenwich Village Historic District. Responding to the rhythmic language of the surrounding context, the library continues and merges with the undulation of the active pedestrian street level. Contrasting with the bold presence of the Old Jefferson market Library, the New Jeff subtly blends with the surrounding context and ties the streets together.

Inside the library, the primary teen and adult reading spaces bask in indirect light cascading from skylights above. Light monitors allow eastern light to enter the building and indirectly bounce through a waffle beam system onto the reading spaces below, wrapping library patrons in a soft white light.

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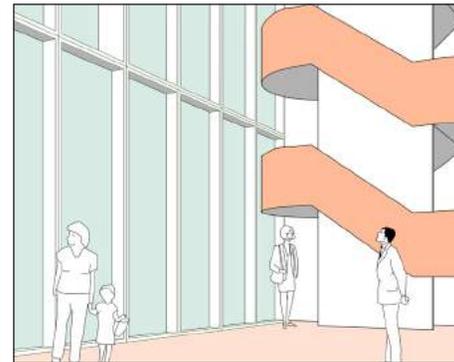
Massing Studies



Final Model



Exterior Back Courtyard



Atrium



Adult Reading Room



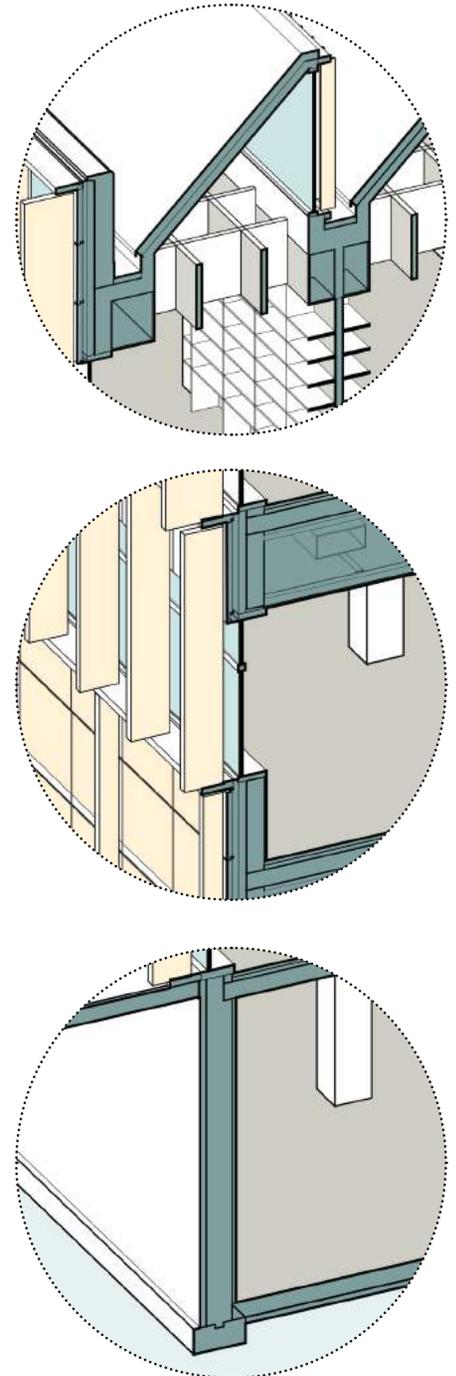
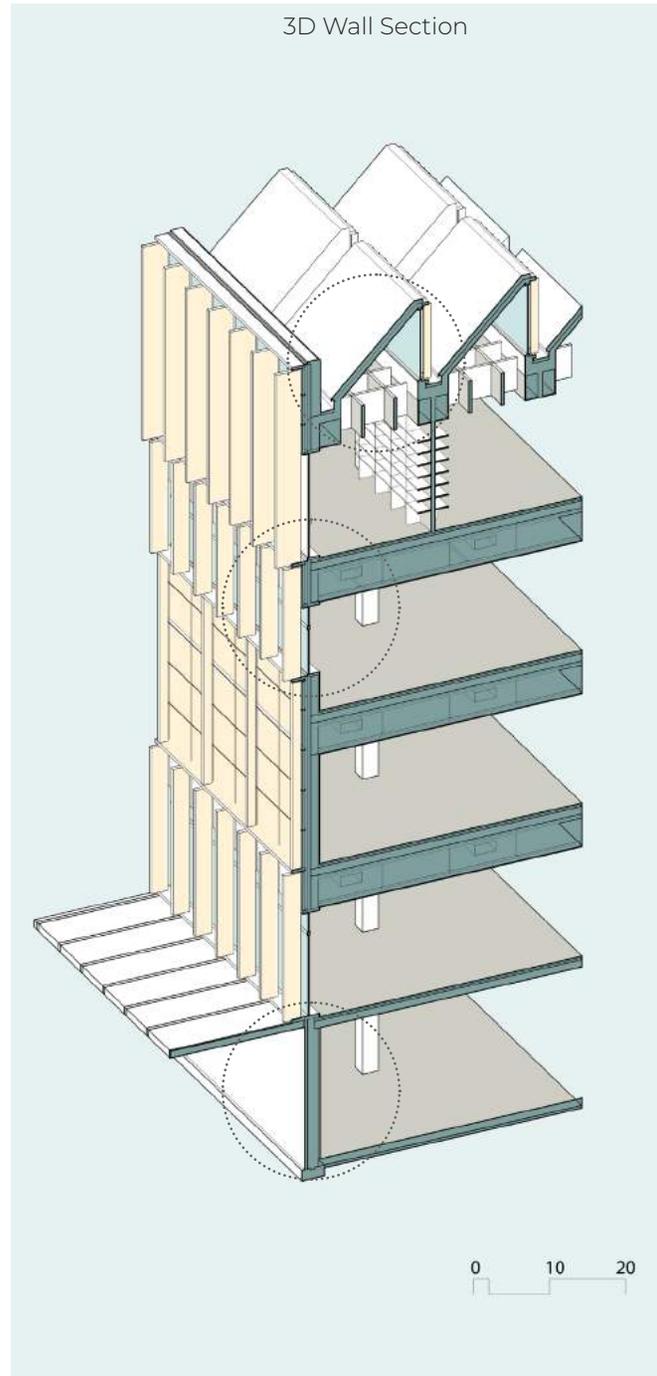
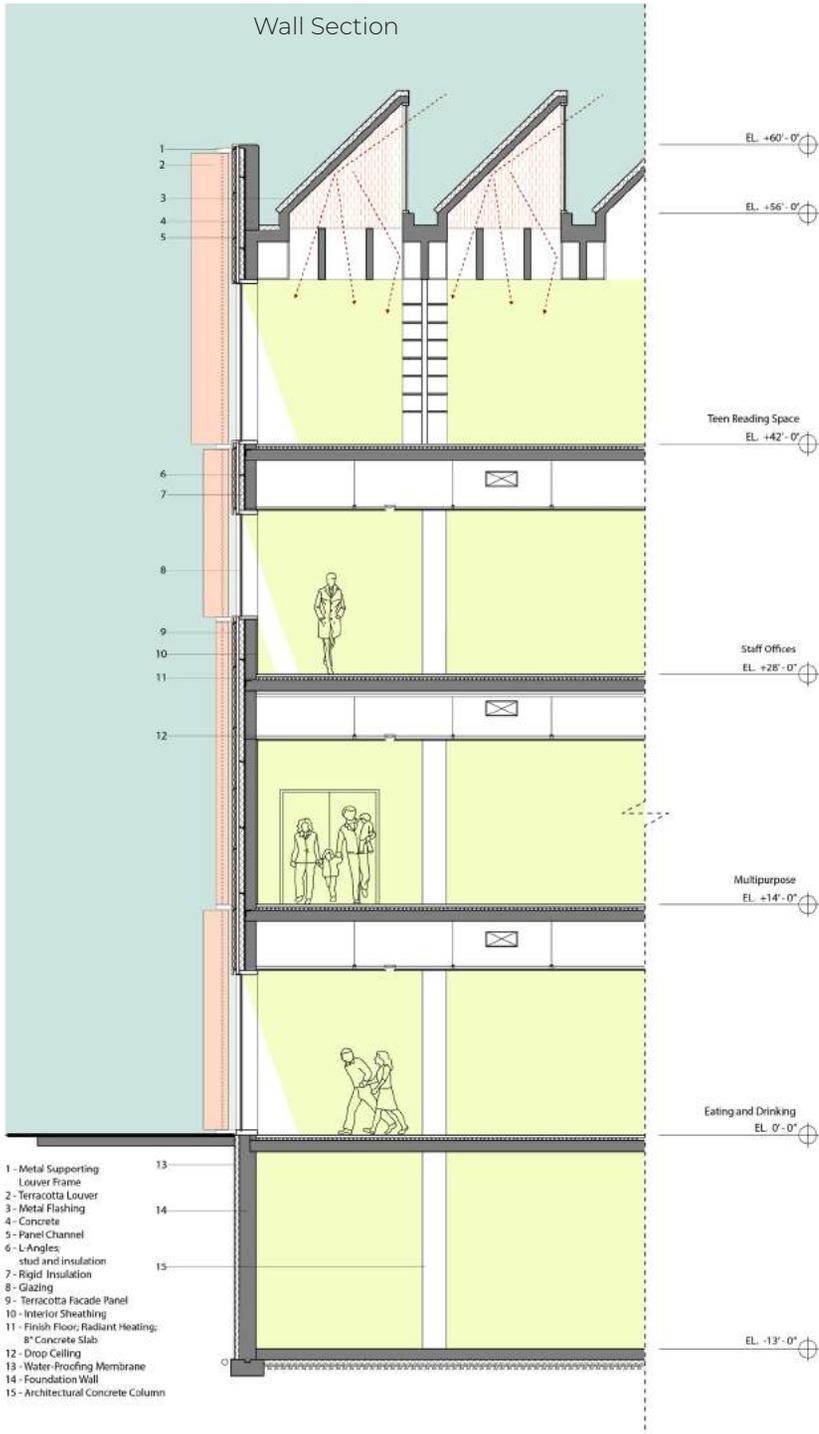
SIXTH AVENUE

GREENWICH AVENUE

CHRISTOPHER STREET



- GROUND FLOOR
SCALE: 1/16" = 1' - 0"
- 1 - Library Lobby
 - 1a - Library Receptors; Book Drop/Pick Up
 - 2 - Library Store
 - 3 - Atrium
 - 4 - Rentable Public Space
 - 5 - Cafe
 - 6 - Restaurant
 - 6a - Bar
 - 6b - Kitchen
 - 6c - Outside Eating Space
 - 15 - Restrooms
- Commercial
 - Library



Thank you for
your consideration!

