

Graduation Portfolio

Nuo Lyu | 2023-2024

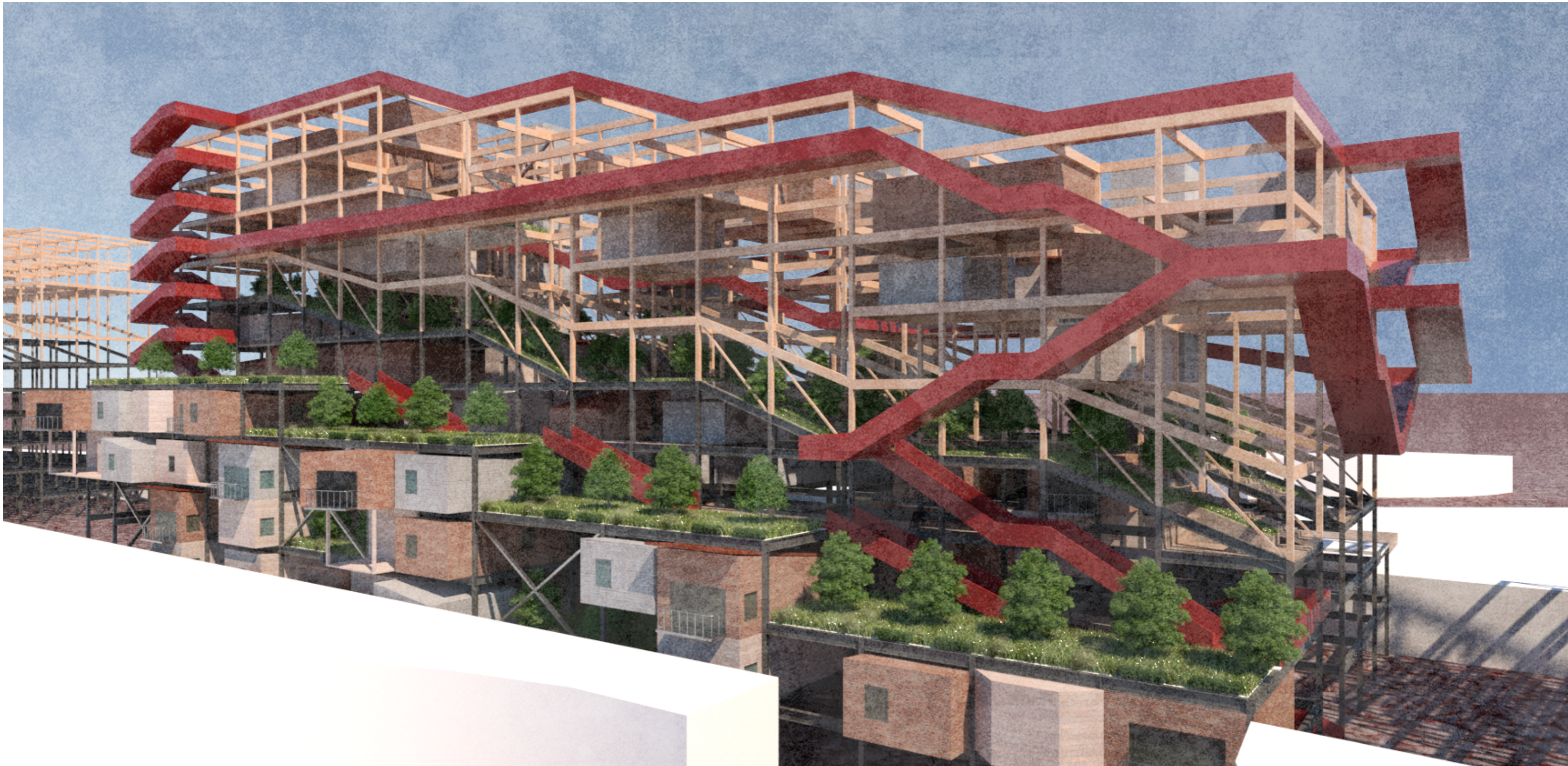
Content

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The Ritual Rest 4 Semester 3



Scaffolding

Tropical High Rise, Local and Universal Culture Connection

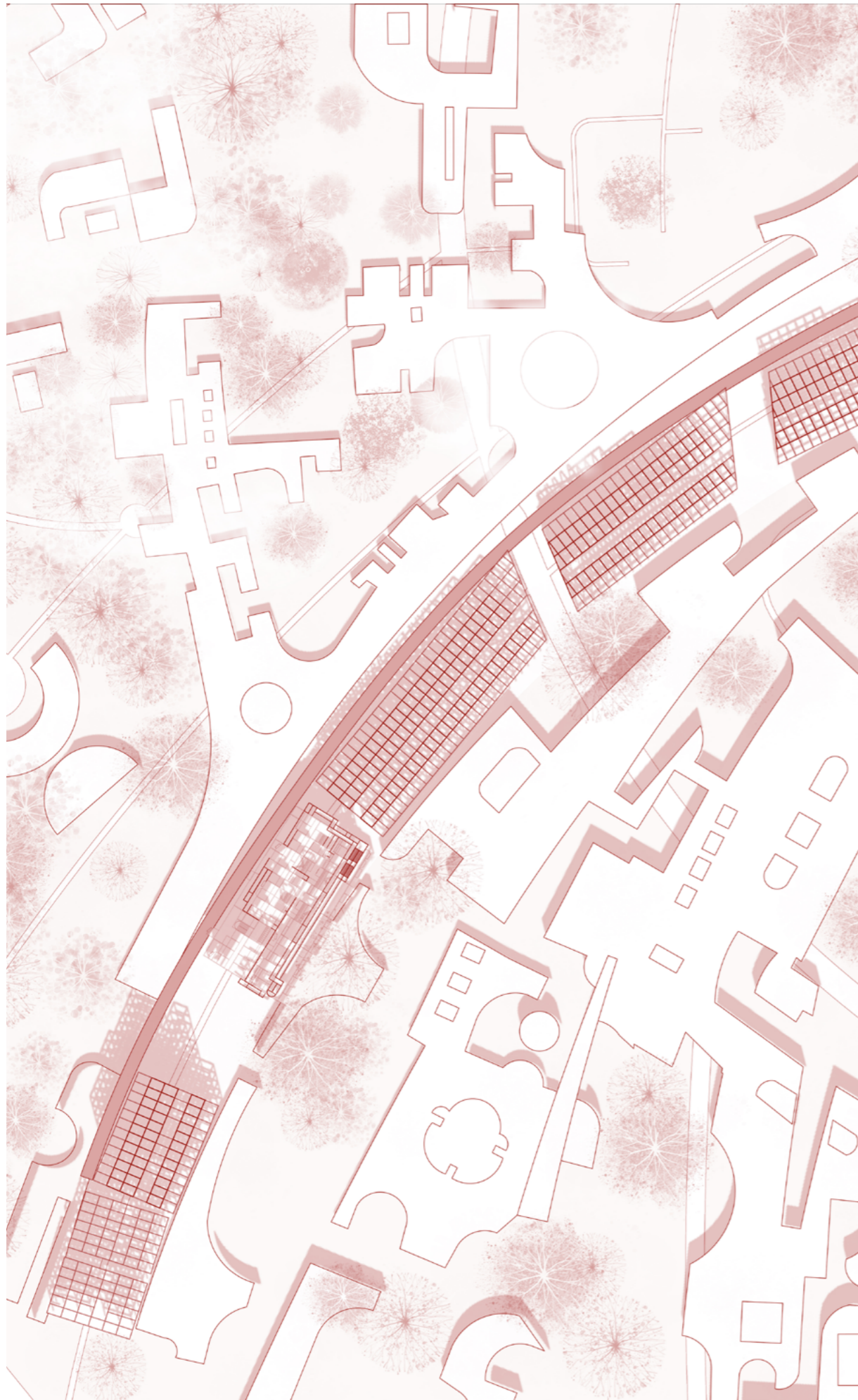
Group Project | ADS V

Tutor: Anupama Kundoo (info@anupamakundoo.com)
Summer 2023 (3 month)

Nuo Lyu | Yian Liu | Auroville | 2020

Locating in the southern part of India, the city locates in a dense greenery space. Instead of tearing down the surrounding landscape, architect Roger Anger decided to respect the surrounding area and existing nature, that the building should embrace the landscape.

Initially, the entire city was arguably small and divided into four different zones. The citizen within tends to interact and circulate through the crown road. The landscape between the different zones would be spread between the different buildings. The scaffolding design proposes an adaptive system in Auroville, India, to overcome the challenges posed by the monsoon season and incorporate cultural representation. By integrating modular designed houses with an innovative scaffolding system, construction can progress during the monsoon season, allowing for the continual growth and evolution of the architectural landscape while reflecting the diverse cultural backgrounds of Auroville's residents' housing. Under this very notion, the housing would continue to grow and constantly changing in the future.



scaffoldia

Village Connections

Nearby Villages around Auroville

ALANKUPPAM

CONNECTION

- Tharam Wood Fired Pizza Oven Maker
- Muthu Kuchiar Fabrication Works
- Raar Fabric Painting

KOTTAKARI

CONNECTION

- Earthweavers Auroville (Architectural Firm)
- Kottakari Farm Auroville
- Aurumuchram - windarra (Organic Farm)
- Harmony Farm
- Ayyarpatty Farm Auroville

EDAYANCHARADI

CONNECTION

- Semman studio
- Saral Bee Farm

KUILAPALDYAM

CONNECTION

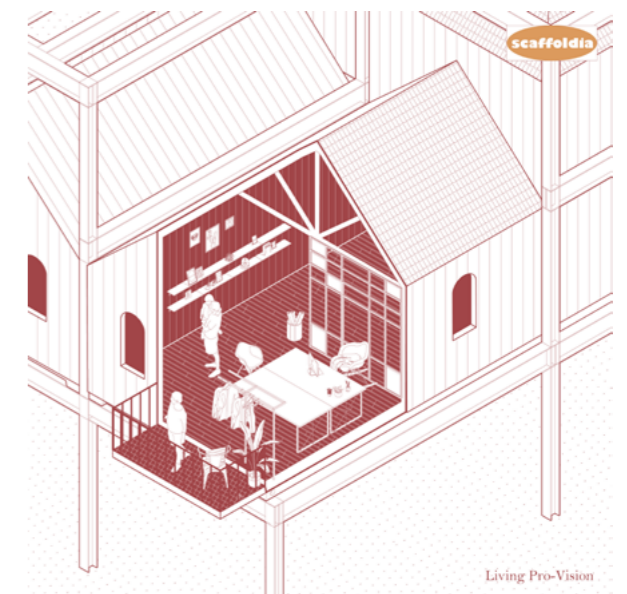
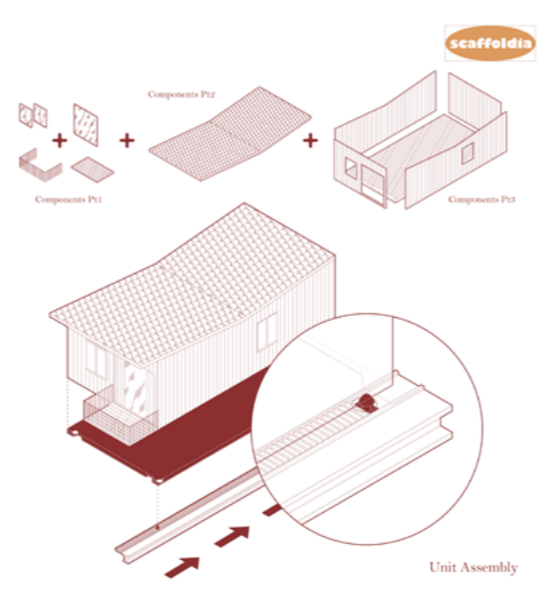
- Auroka (Machining manufacturer)
- Hot House Builders

SANJEERANI NAGAR

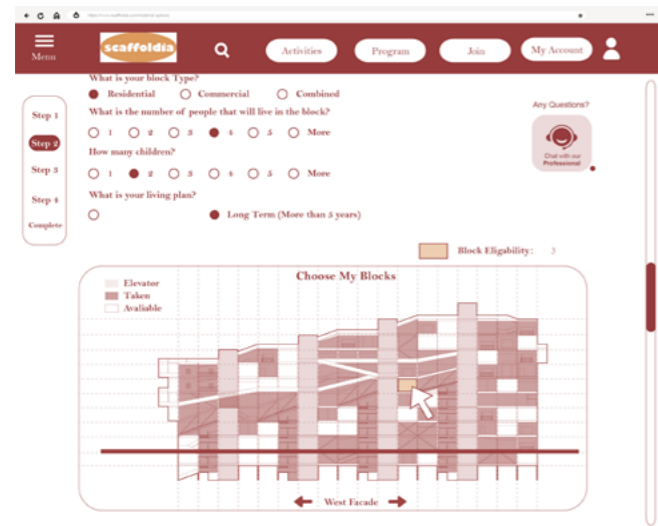
CONNECTION

- Peramal carpenter work shop
- Asha Construct on (Nonmetallic Mineral Mining and Quarrying)
- Sri Lakshmi Ferro Cement

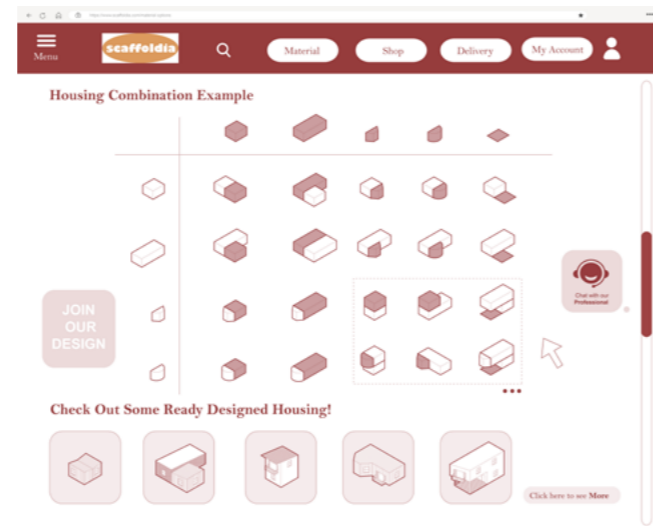




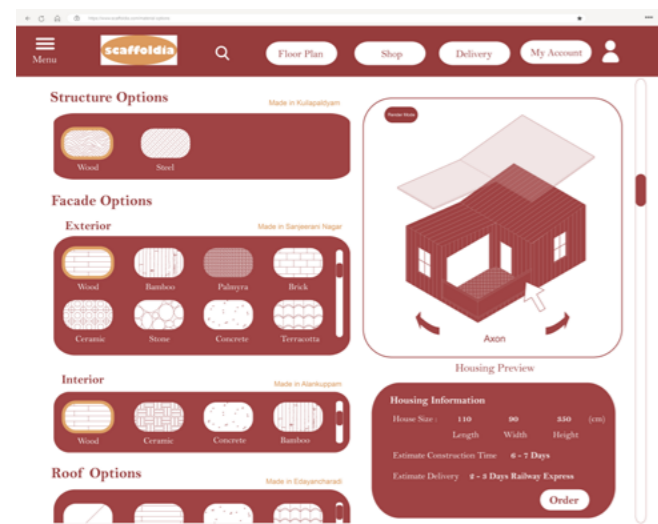
Buld Your Own House!



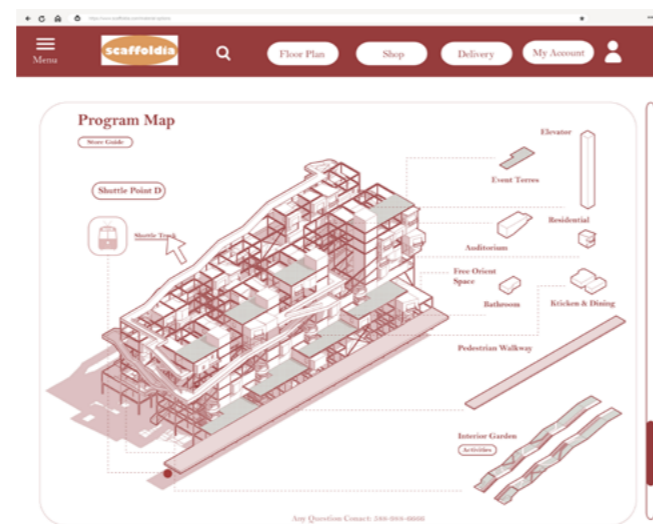
Step 1



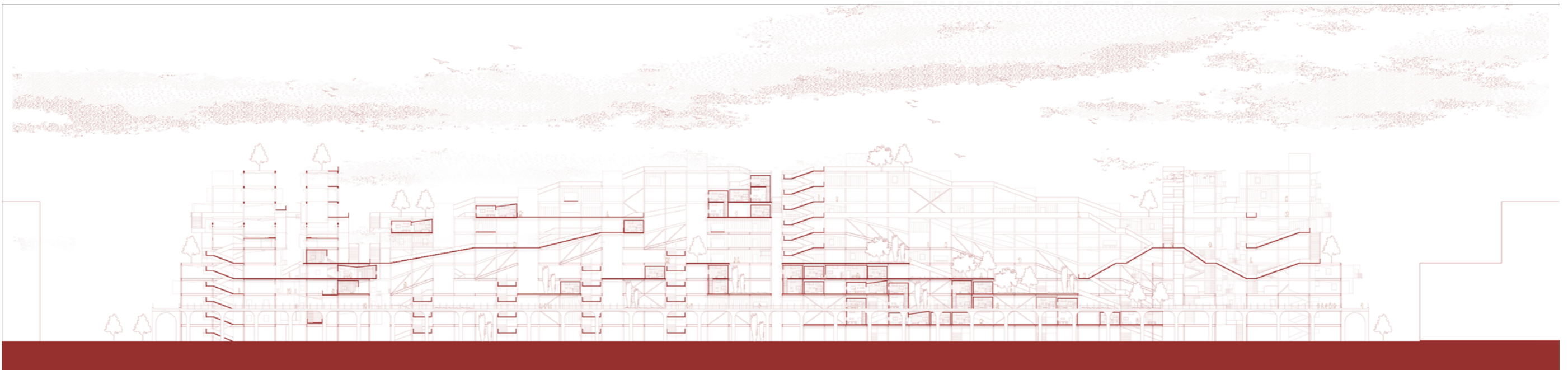
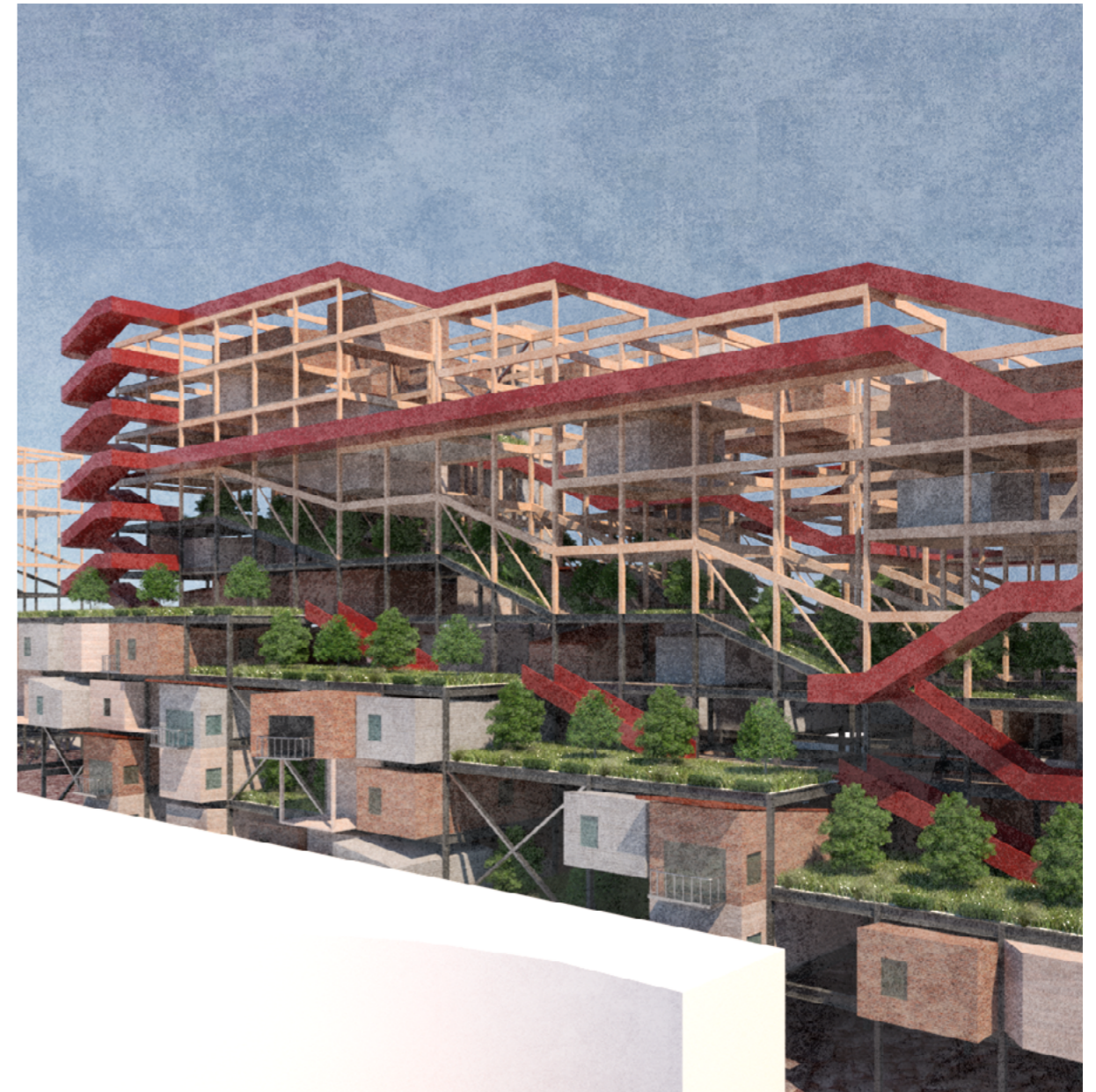
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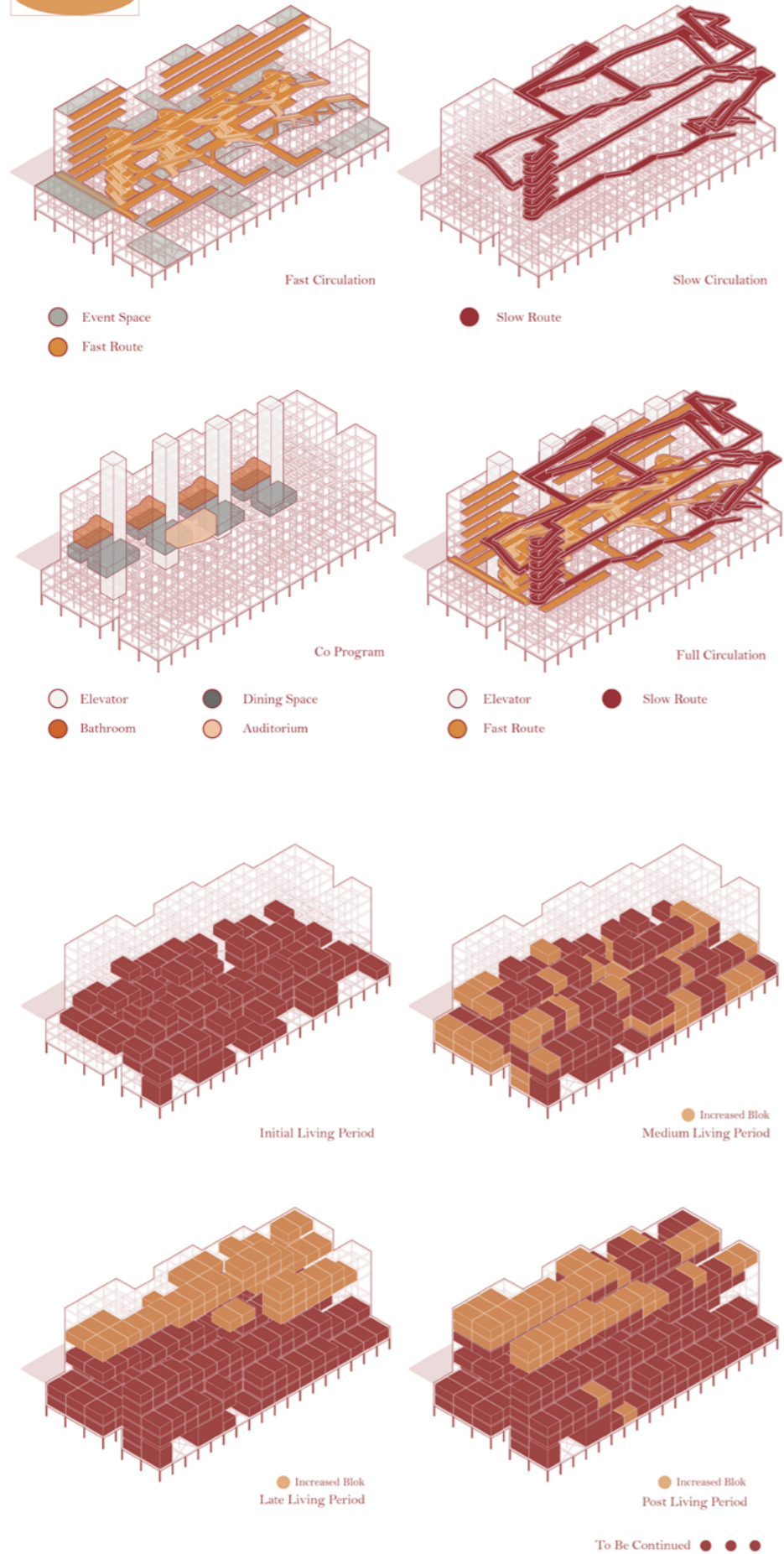
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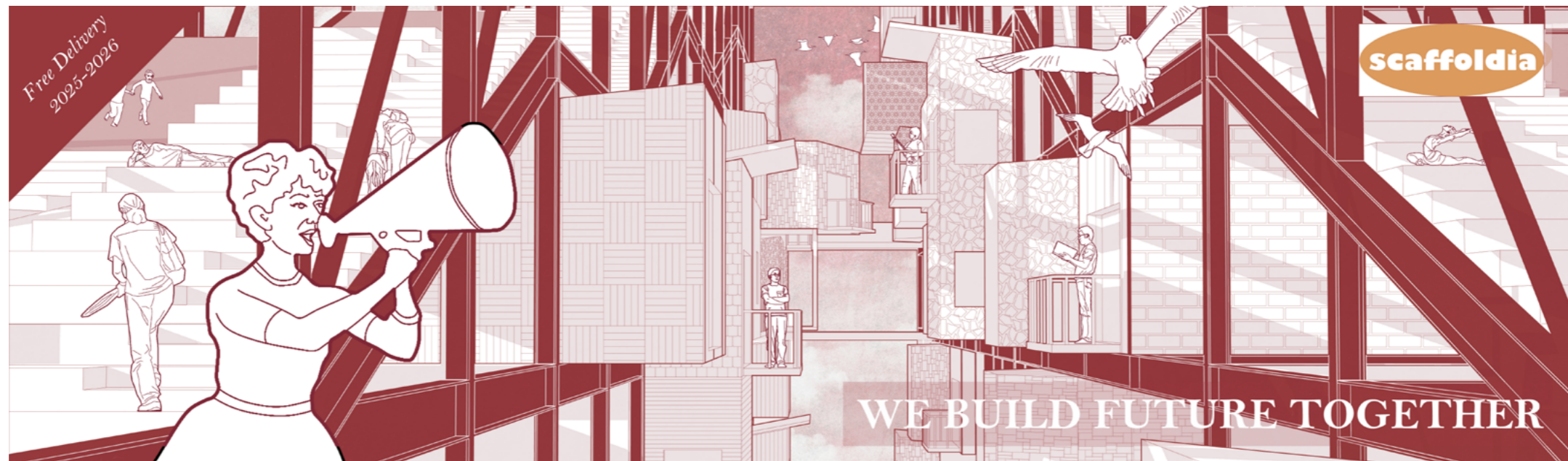
Step 4

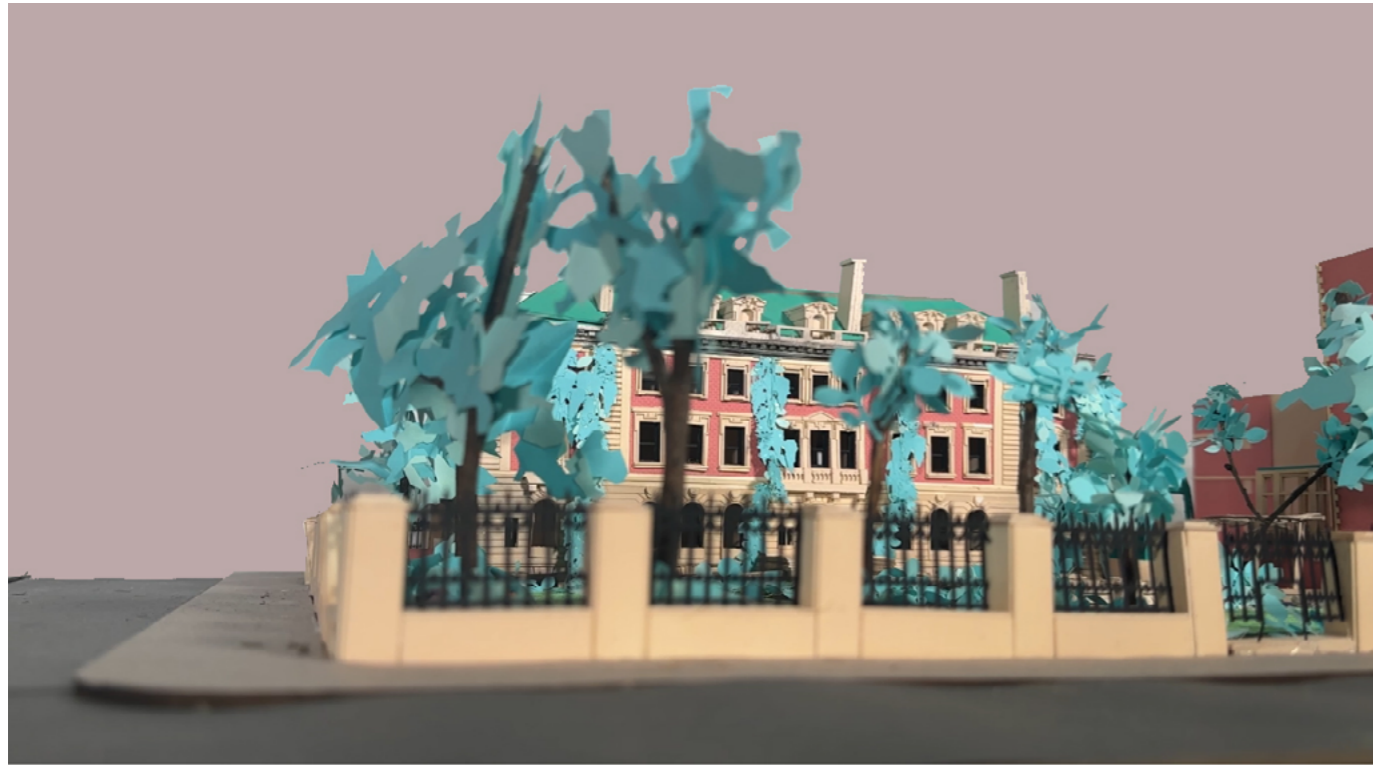


scaffoldia



View from center park





Physical Model of current Cooper Hewitt

META Museum House

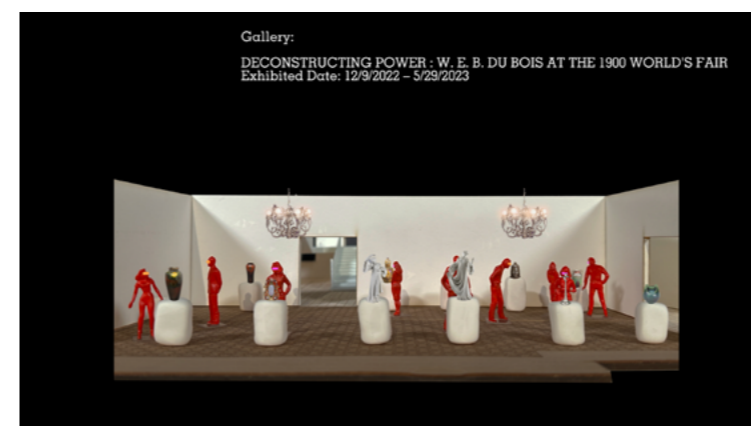
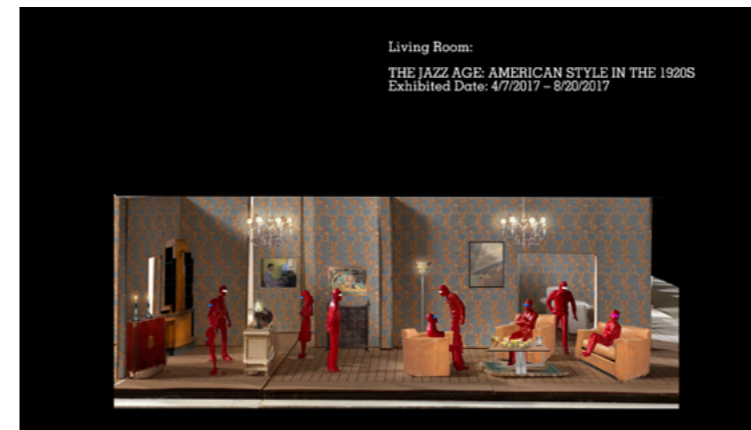
Future Museum and Exhibition Transformation (Cooper Hewitt)

Studio Work | Individual Work | Fall 2023

Tutor: Jing Liu (liu@so-i.org)

Nuo Lyu

Museums have evolved from their ancient origins as private collections to their transformation into centers of public education in the 18th century. The project explores the limitations of traditional museums, where passive observation often limits immersive art experiences. The narrative proposes a future museum built on new technologies such as Mixed Reality (MR), envisioning a more interactive and accessible approach. The project introduces the concept of a virtual museum, the Carnegie Maison, emphasizing its potential to revolutionize the museum experience by providing maximum access and immersive exhibitions. The project details the integration of technology, furniture and various scenarios within the museum. Drawing inspiration from Marry Ping's de-materialized designs, the project discusses the role of so-called "furniture", but also planes and objects, in the future of architecture and space, opening up an exploration of human interaction with the material plane as well as the future of virtual space.



Video Clips

Meta Museum House Video Link

<https://youtu.be/53hoU8p97qI>

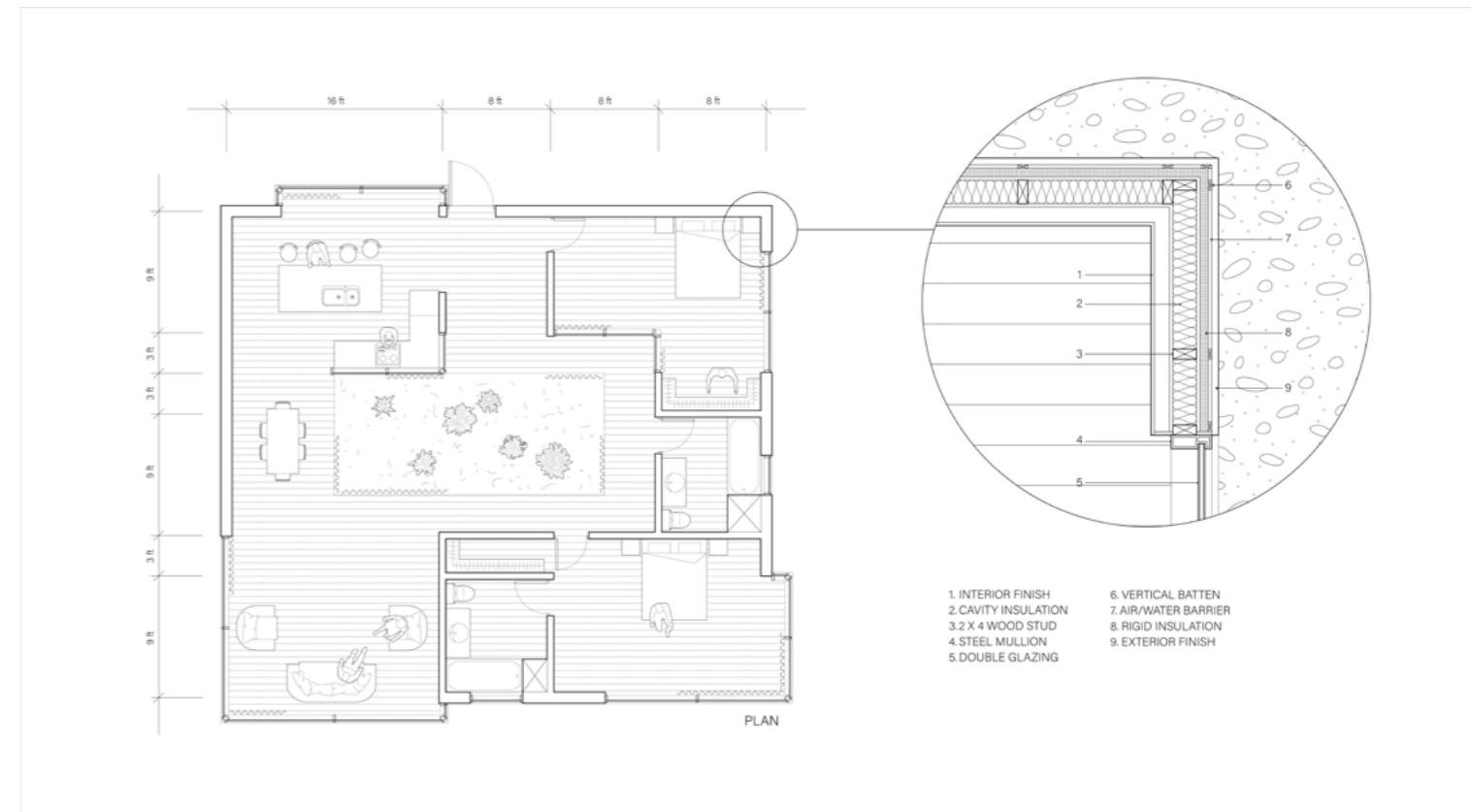
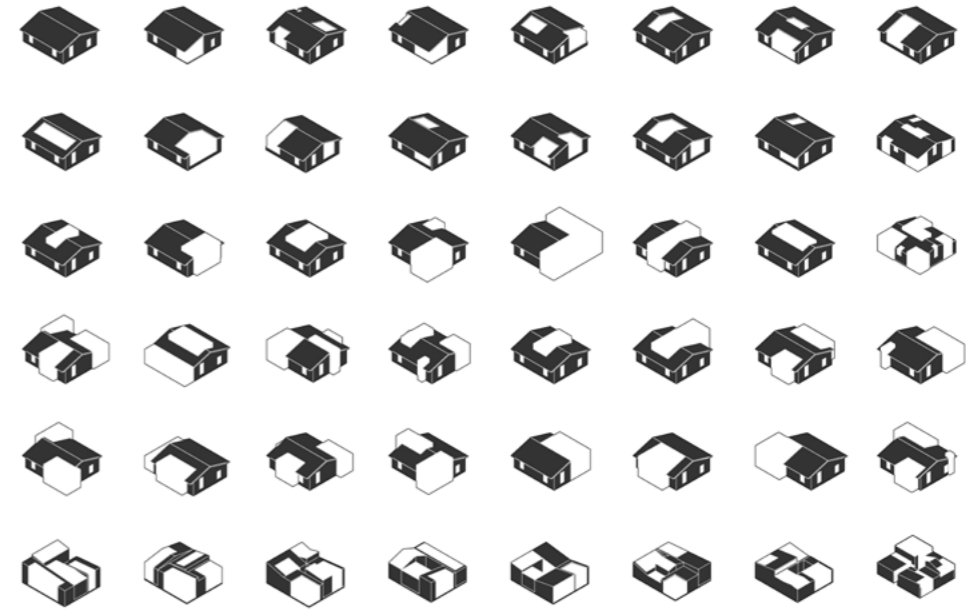


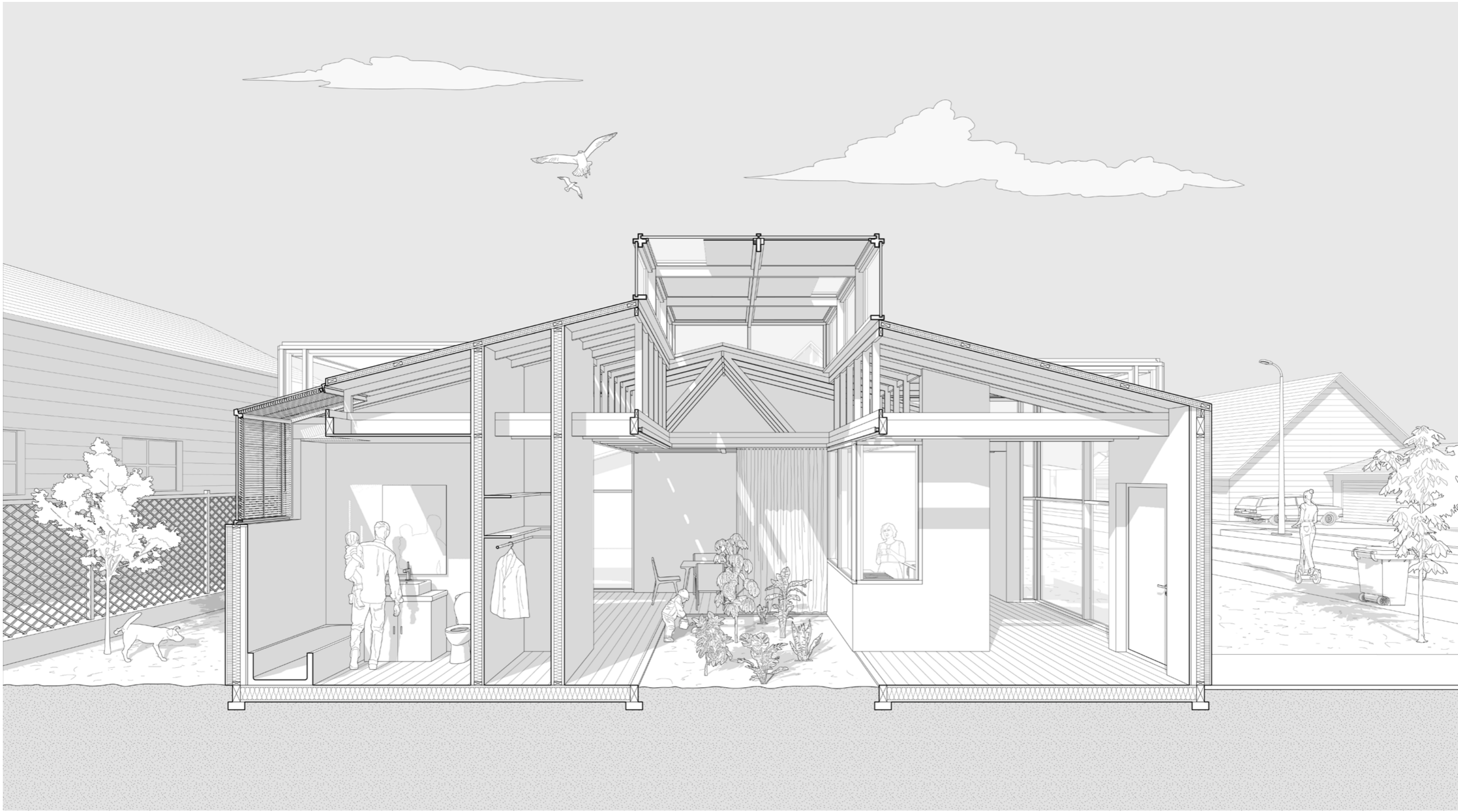
Lightvittown

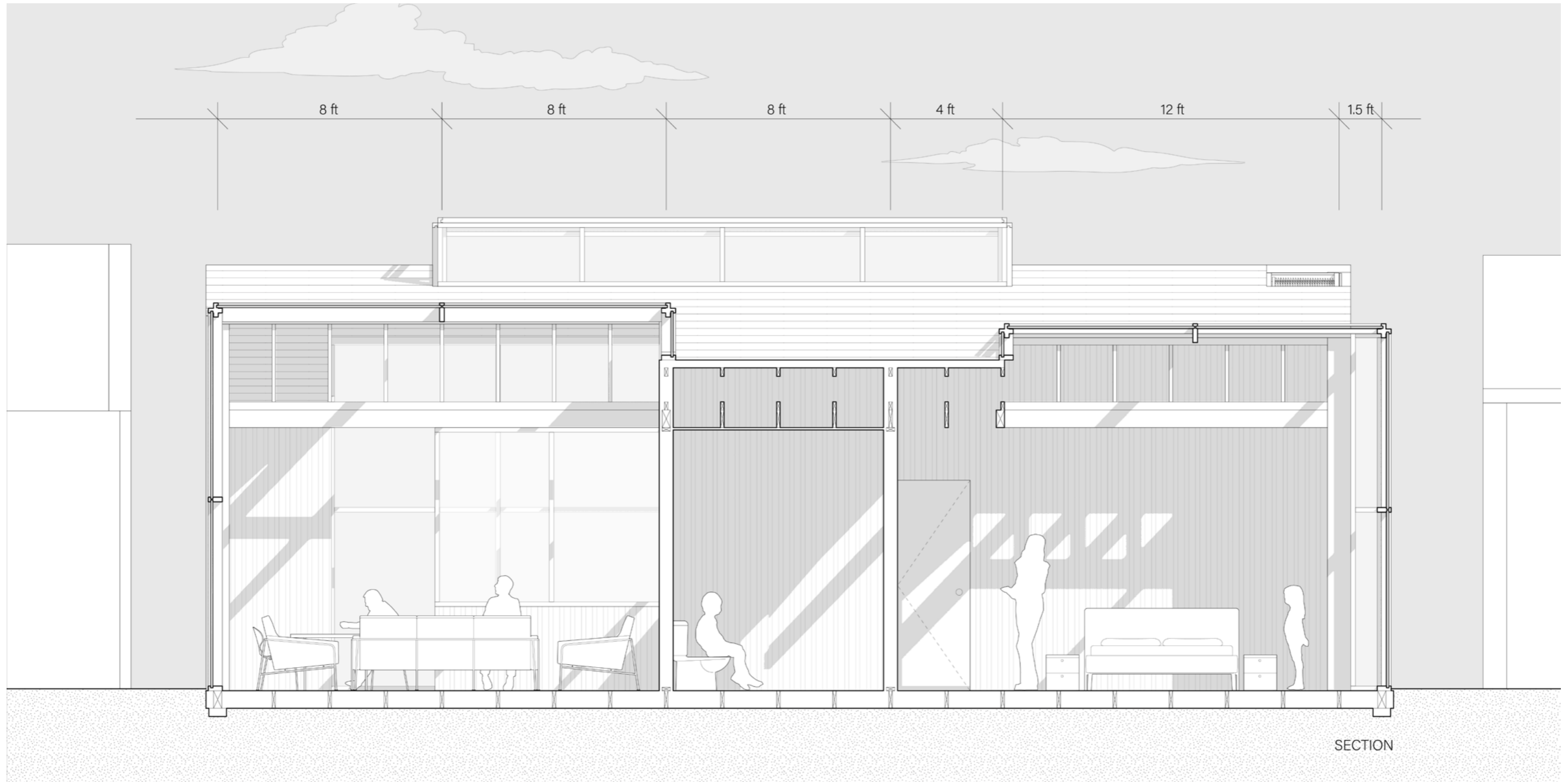
A Reality Stronger than Fiction
Studio Work I Group Work I Spring 2024
Tutor: Michael Bell (mjb92@columbia.edu)
Nuo Lyu | Zhexu Yang

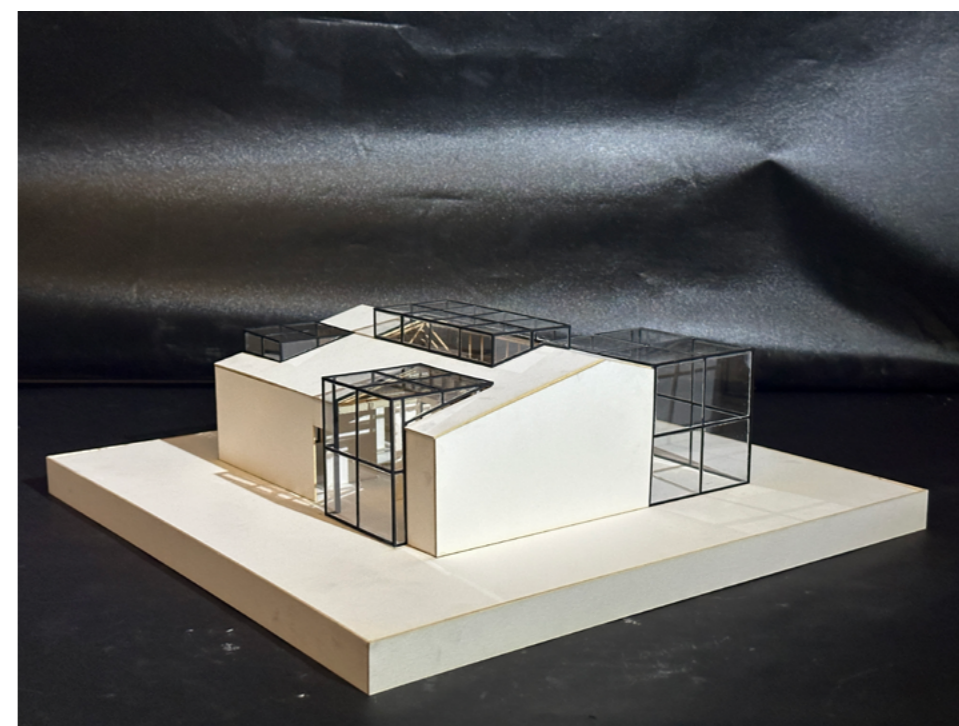
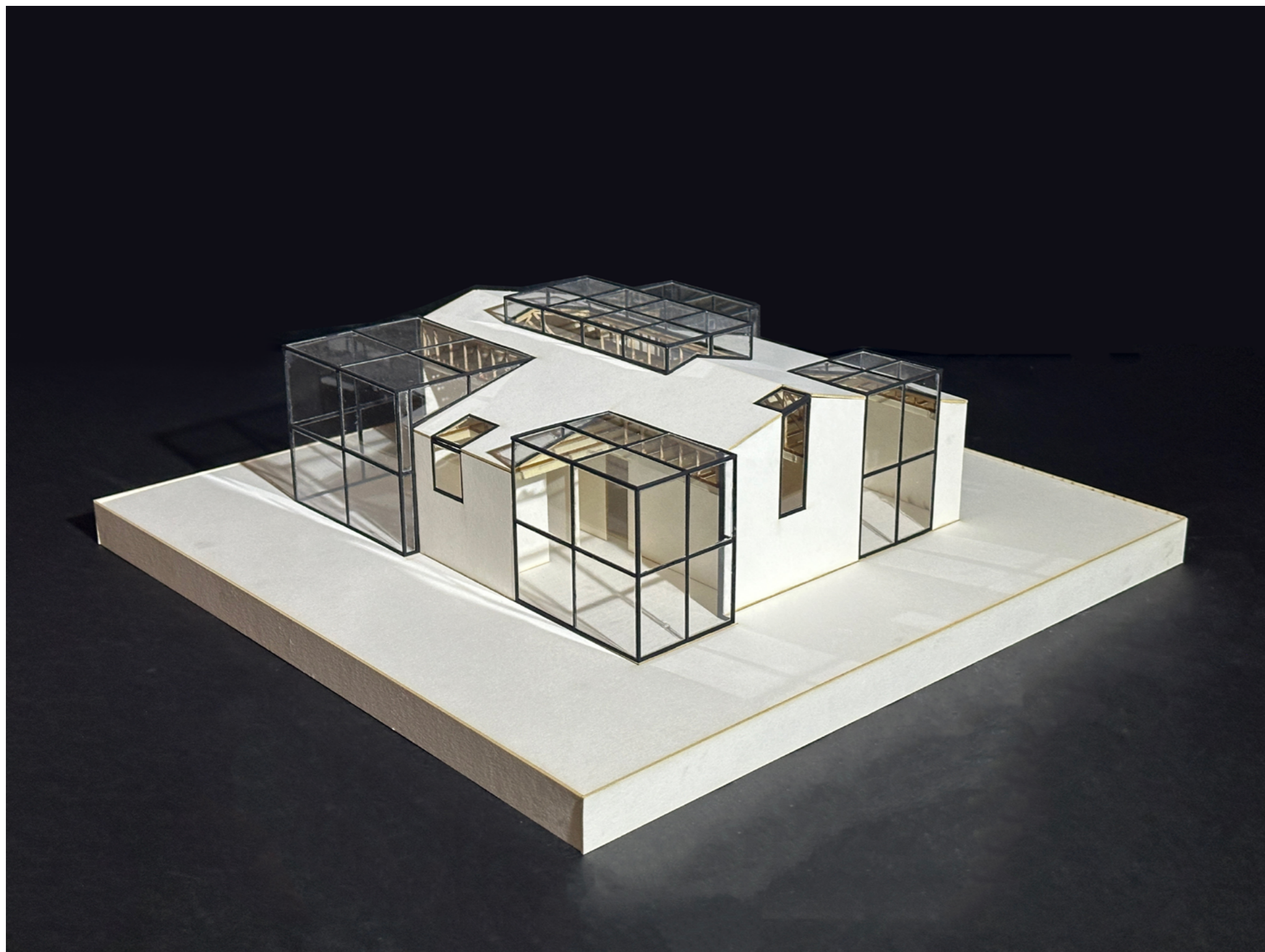
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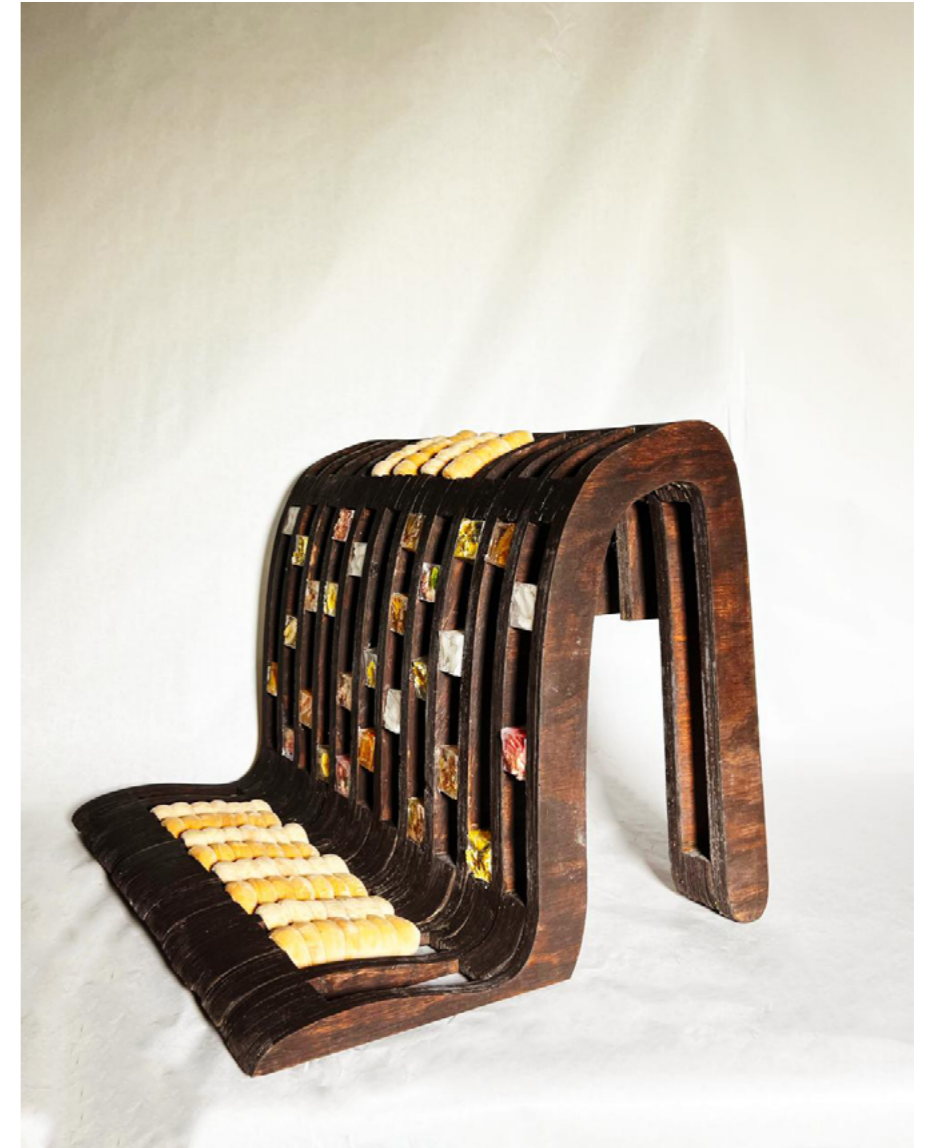
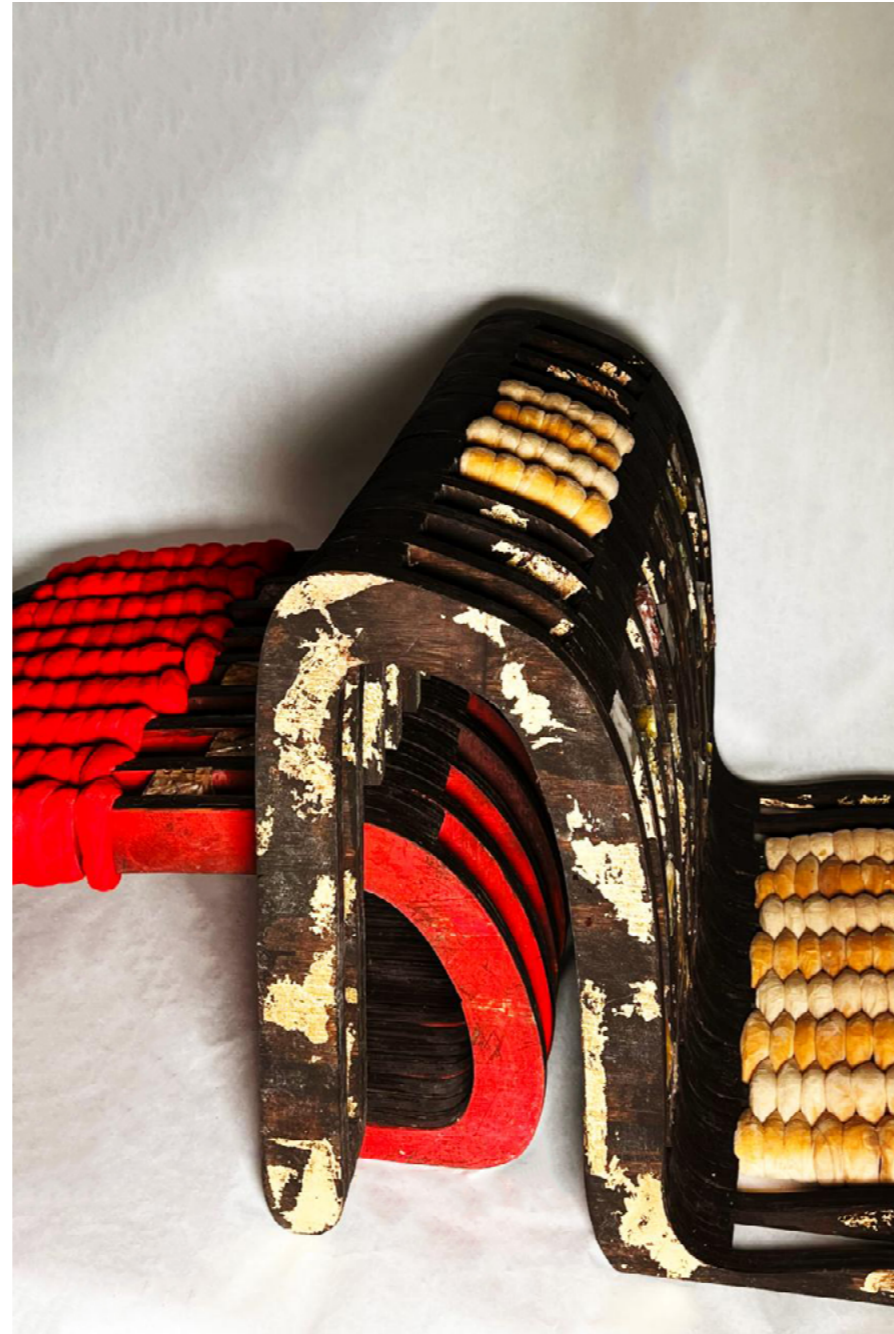
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The Ritual Set

Subject Object

Class Work I Group Work I Spring 2024

Tutor: Suchitra Reddy (sr4047@columbia.edu)

Nuo Lyu | Poompoom

