

PROJECT DETAILS FOR FINAL SUBMISSION

Project Title:

Systematic Community

Student's Full Name:

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Instructor's Full Name:

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Course:

Design 3

Studio Brief Title:

A Home is Not a House

Short Project Description (100 words max.):

The Systematic Community exposes the fundamental home systems. These systems are invisible to our eyes, however, without them we cannot carry out our domestic lives. I reimagined a Chinatown shophouse to take into account environmental factors and sunlight analysis. Rooms are arranged using these constraints and vents and pipes are exposed using a suspension system. The pipes extend throughout the whole shophouse community of 10 houses. All of these houses are connected through the central systems. Pods also hang from these pipes in order to clear the back alley promoting socialisation between neighbours and interactions with the systems themselves.

Full Project Narrative/Text Description (300 words max.):

The Systematic Community is a community which exposes the fundamental home systems which make a home function properly. These systems are invisible to our eyes and hidden beneath our walls, however, without them we cannot carry out our domestic lives. I reimagined a Chinatown shophouse to take into account environmental factors. Daylight hours determine where each room is placed depending on the amount of natural light an activity needs. Flooding activity transforms the bottom floor into a mostly empty space, moving every room up one floor. Furthermore, spaces are grouped by how the home systems are connected, with the rooms that use water pipes staying close together. The house has two layers to it. First, the concrete material which are the walls and floors of the rooms, a mix of concrete and glass. The concrete shows that the room is private whereas the glass can be seen from the outside. The second layer is the polycarbonate shell that wraps around the entire building. The translucent material creates a microclimate inside. It also further plays with the idea of an entirely exposed building.

Furthermore, the pipes extend throughout the whole shophouse community of 10 houses. All of these houses are connected through the central HVAC system, water tank and electric circuit which is placed outside the homes. There are pipe structures which hang between two rows of shophouses in the back alleys. These elevated spaces or pods are made to increase the usage

of space in the area. Taking activities which are done at the ground floor and placing them upwards. Socialisation pods which promotes the communications between neighbours and space for gardening which has a water feeding system from the main water pipe.

The system is placed at the center of everyone's lives in this community, showing its importance but also having ways to interact with it.