SOCIAL INFRASTRUCTURE

Jiafeng Gu Graduation Portfolio

PROLOGUE

'The spectacle is not a collection of images, but a social relation among people, mediated by images.'
- Guy Debord (La Société du spectacle, I-16)

In this graduation portfolio, no spectacles is created to satisfy capitalism and elitism for their devastation to social life. Architecture and urban environment are not images of spectacles for selling but a infrastructure of social life for everyone's engagement. Five projects are presented to attempt to define different social infrastructure in response to the undergoing social transformation, such as the decomposition of nuclear families , the interdisciplinary development and the emergence of other new social relations. By reinventing the lifestyle of collective life in cities, architecture and urban space as social infrastructure tries to change the false diversity by capital to a real harmonious diversity.

CONTENT

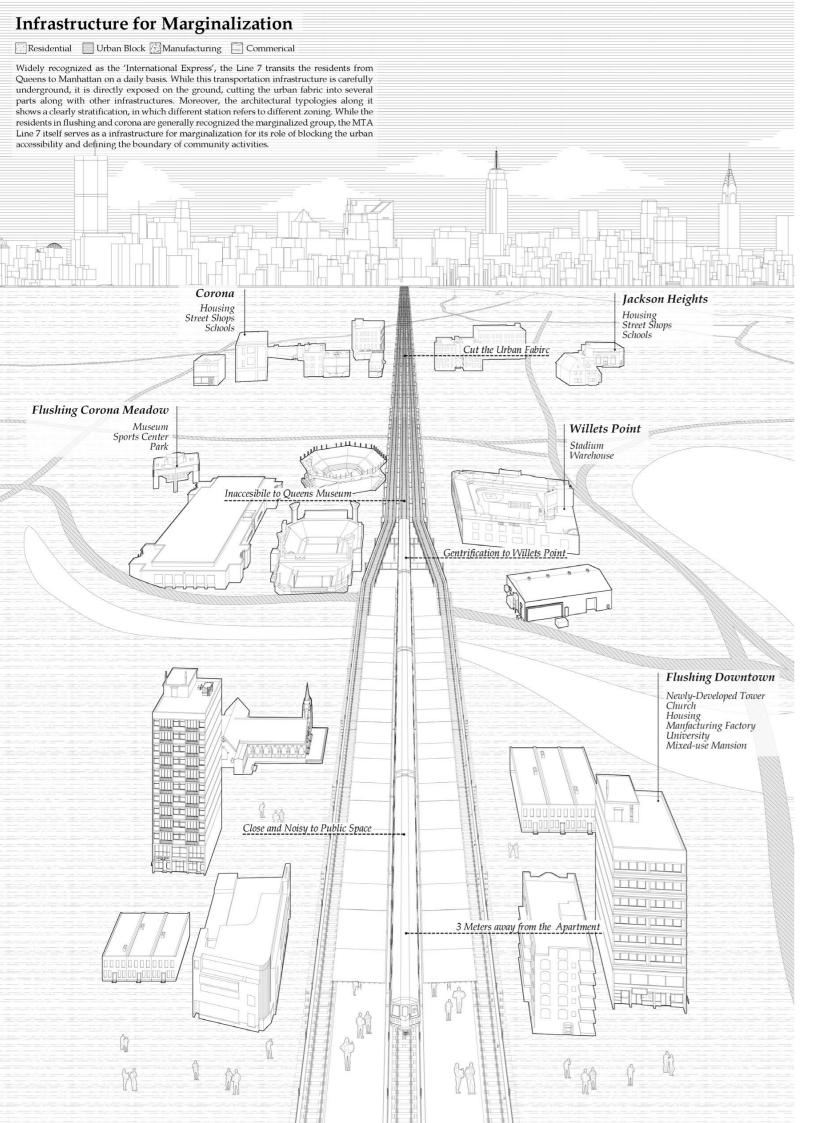
01 The Interim City	The Speculative City Critic: David Eugin Moon
02 Cross Bronx Incentive	Health Infrastructure Critic: Michael Bell
03 The Medical Re-gaze	Small Footprint Critic: Hilary Sample
04 Re-imaging Grid	Transitional Geometry Critic: Joshua Jordan
05 Avery as Garden	Generative Design Critic: Danil Nagy
06 Sharing as Armature	Facade Detailing Critic: Kevin Schorn

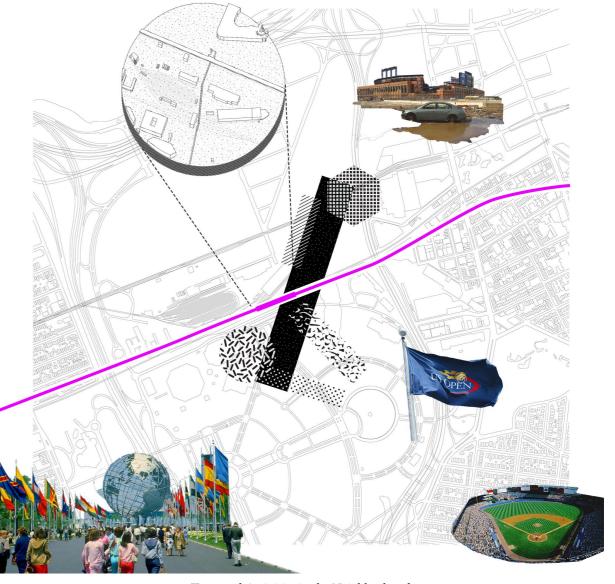


The Interim City

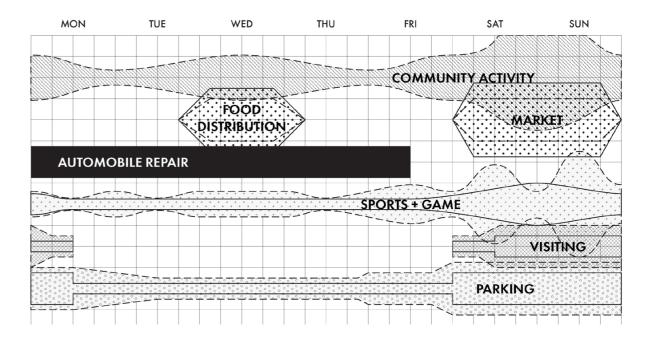
Critic: David Eugin Moon Studio: Adv SM Studio Site: Queens, NY Teamwork with Danlei Yang

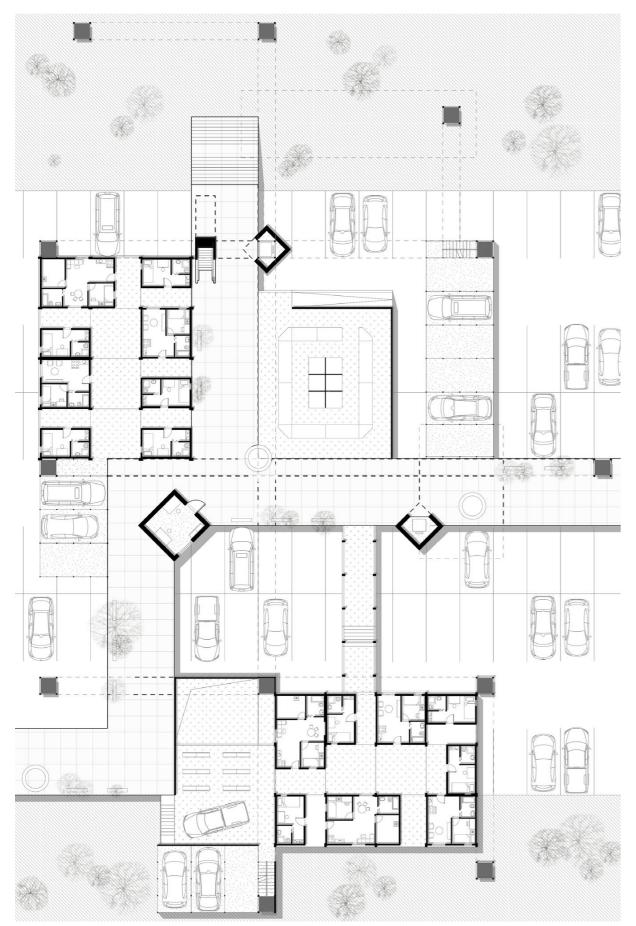
In response to the re-development crisis that takes place in Willet Point and Flushing Meadow during the first phase and the second phase of Mayor Bill de Blasio's plan, we propose developing a distributed interim community. This community would offer an alternative development as well as act as informal land use and economic framework for development for the neighborhood and empower the neighborhood to become a developer of its housing stock. The community facilitates construction permits and alternative mixed uses and densities to provide micro-loans by managing the break-up of large construction loans and subsidies.



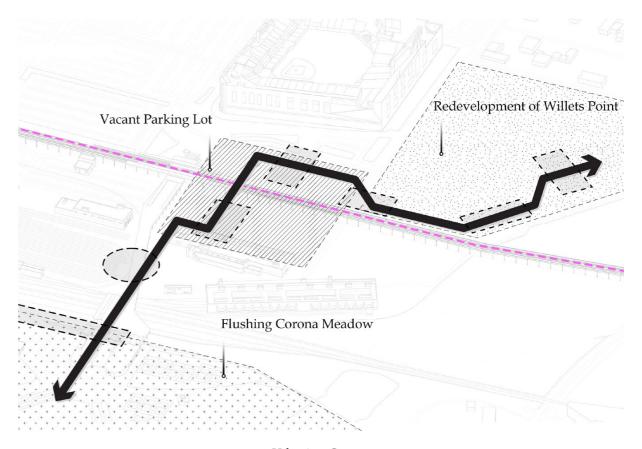


Temporal Activities in the Neighborhood





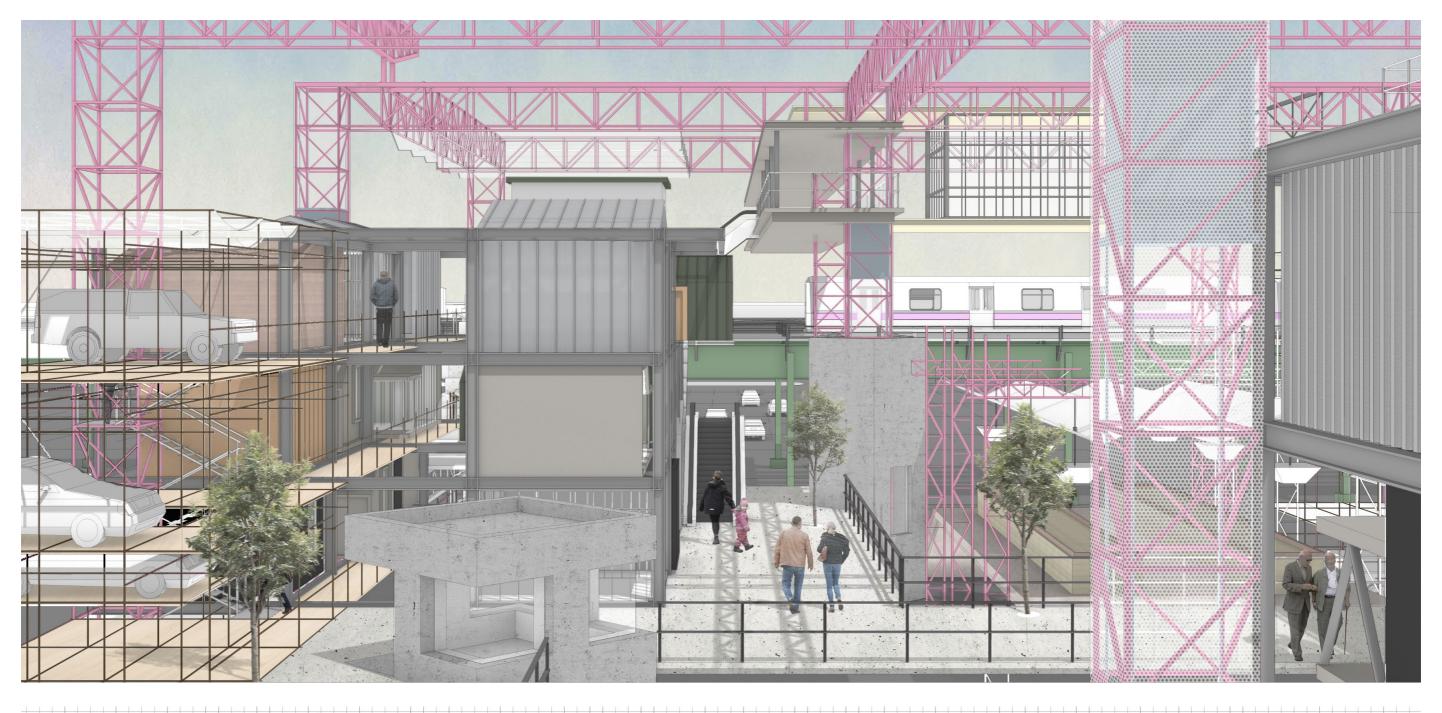
Second Floor Plan

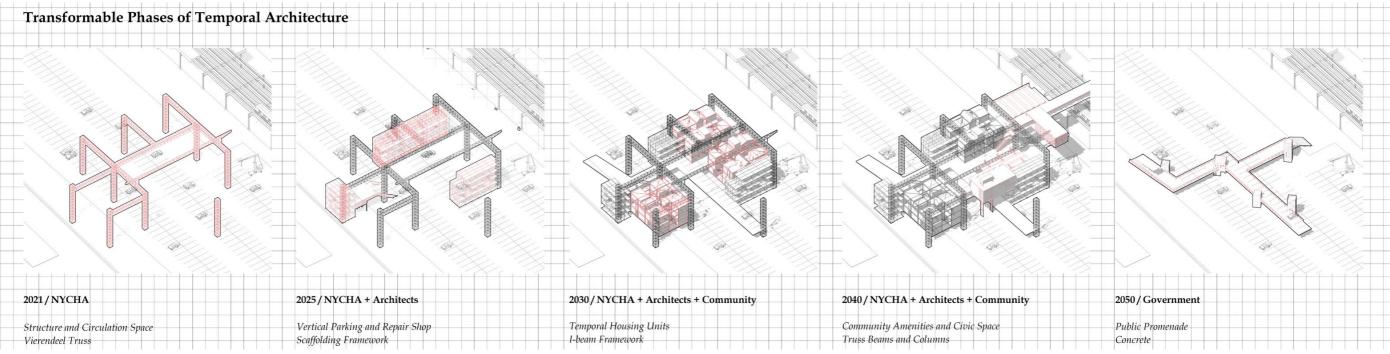


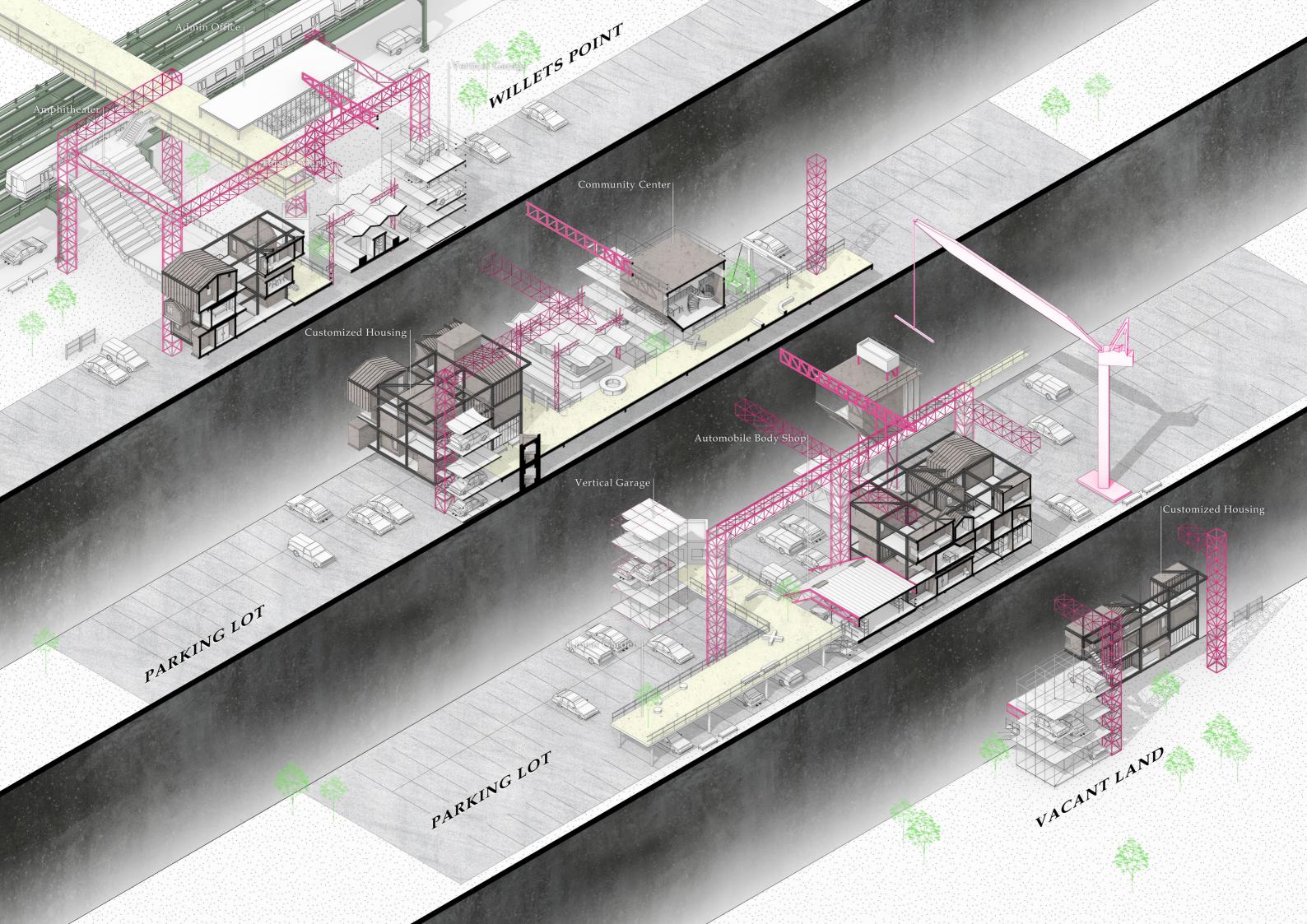
Urbanism Gesture

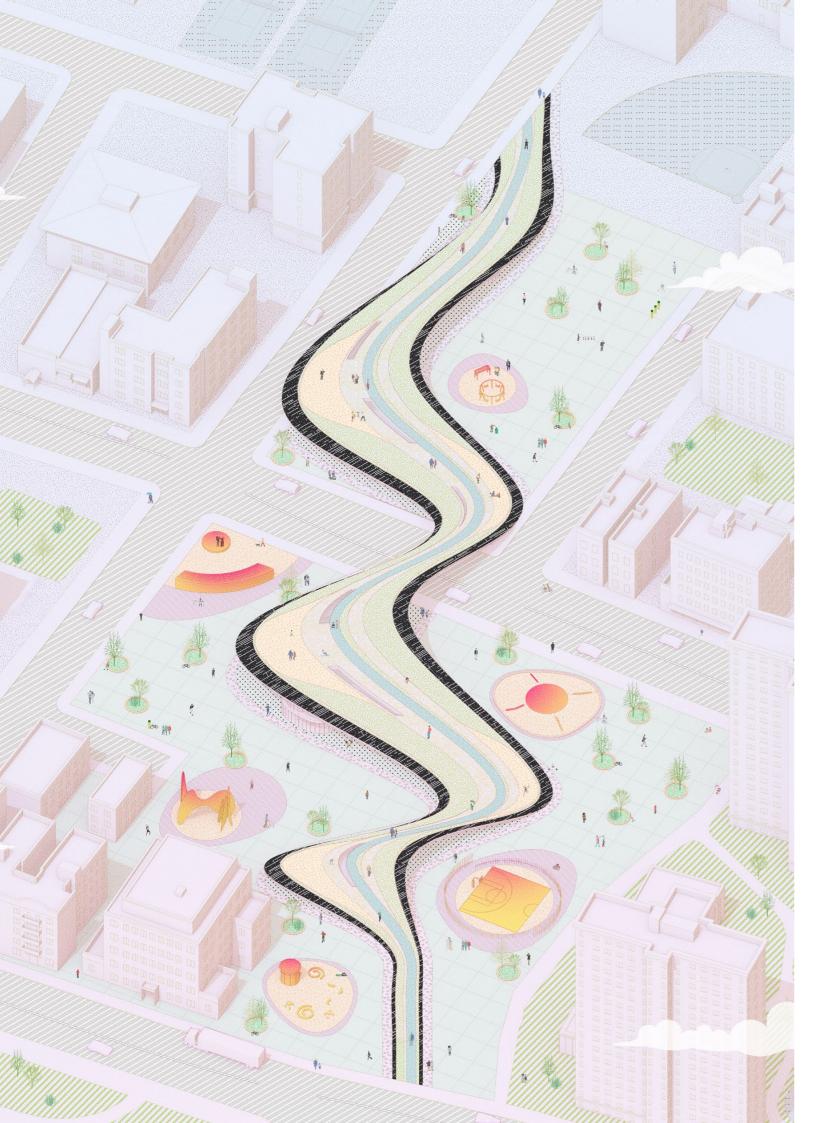


Section: Living and Producing









Cross Bronx Incentive

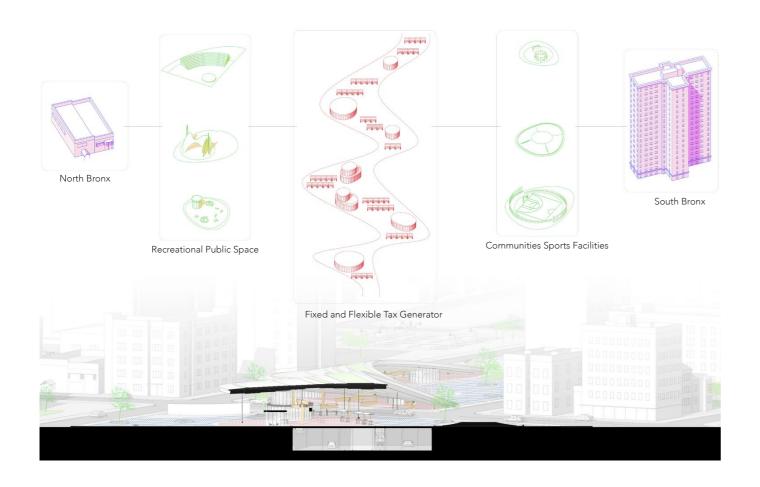
Critic: Micheal Bell Studio: Adv V Studio Site: Bronx, NY Teamwork with Qing Hou

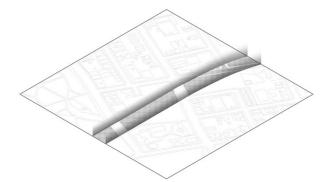
This collaborative course will imagine new ways to collaborate and expand what we see as the intermarriage of social policy and design intended to re-envision infrastructure that has harmed the well-being of those who are of colour or socio-economically disadvantaged.

To be more specific, the freeway, Cross Bronx Expressway is sunken at grade that physically separates the north and the south Bronx. In this project, I first analyze and design those needed public space and community service for the neighborhood, and then took those as attractions to squeeze and define a wavy gesture in response to the context. Then, it is lifted up to a curved roof structure for market as tax incentives to benefit the community both spatially and economically.

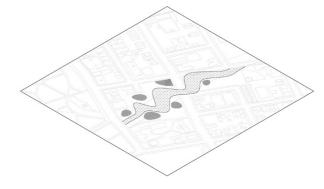


Economic Disparities between South and North Bronx

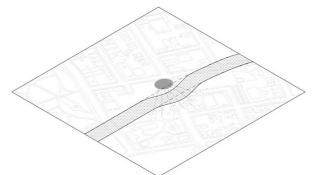




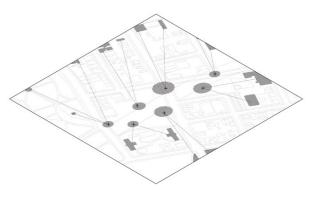
01 ExistingCBE as Structured Barrier



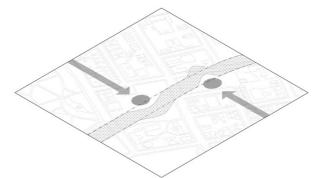
04 StrategyUse public space define Curvature



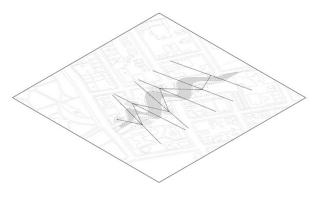
02 Idea Transform Barrier into Places



05 ConnectionPublic space connects neghborhood



03 MethodReshape the line into a Curve for Interaction



06 System Squeezed public market evens the disparities

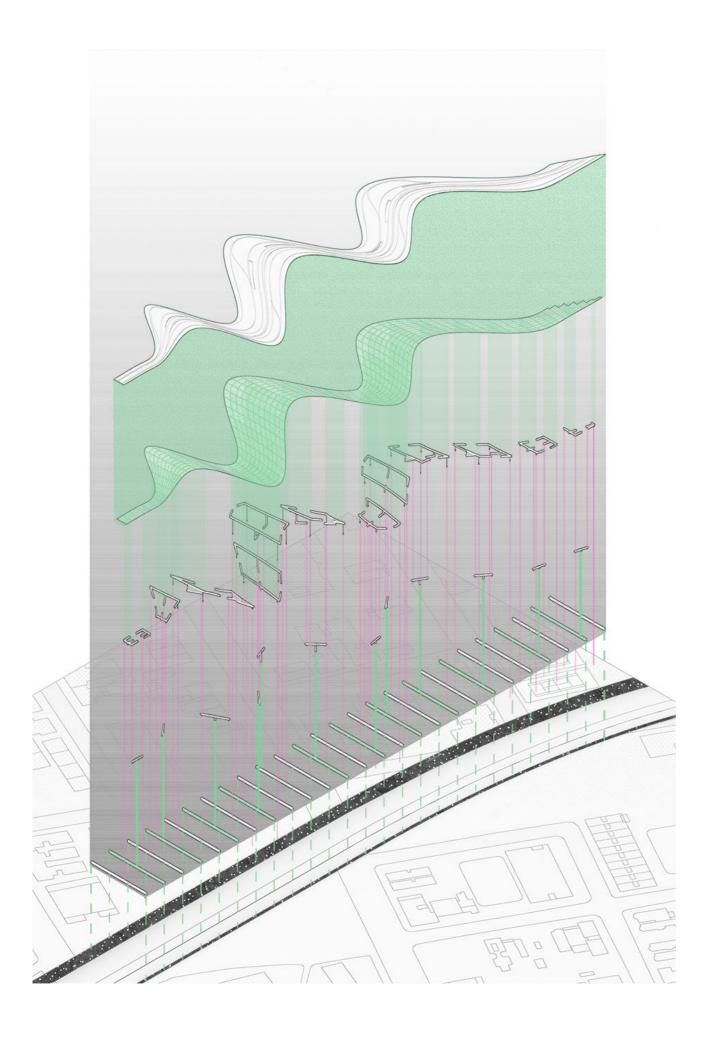


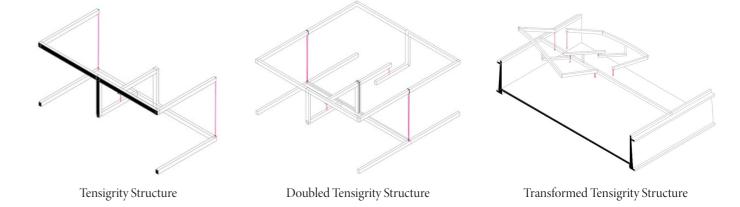
Construction Mock-up

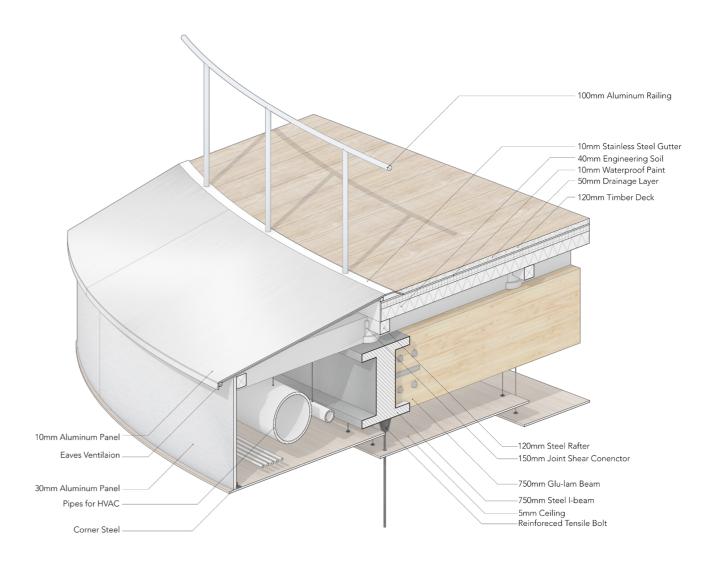




Ground Floor Plan







Tectonics of Roof and Structure





The Medical Re-gaze

Critic: Hilary Sample Studio: Adv VI Studio Site: Manhattan, NY Individual Work

The medical re-gaze, takes a vacant standard lot in Clinton neighborhoods to experiment an architectural critique on the relationships between the nurses and the patients, based on Michel focault's books, the birth of the clinic. In his book, Michel described the modern medical practices as a medial gaze. Once patients step into the clinic, they were gazed by the doctors and nurse's as objective cases rather than humans or patients who probably need care more than cure. Therefore, this project explore how clinic and nurse housing can co-exist and interact with each other to provide the patients a place for care.

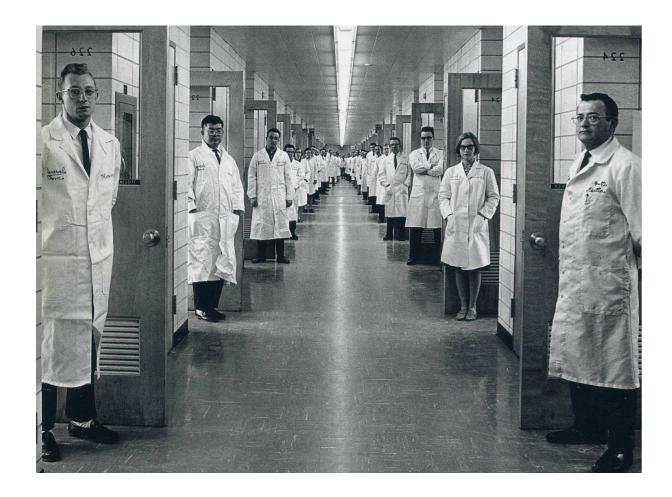
The design strategies begin with idea of the motion of circulation and public space in the lot. The backyard is firstly transformed into a courtyard in the middle of two blocks. Then a continuous L-shape circulation pierce through the courtyard to connect the street and the blocks. The corridor as a promenade visually interact with the courtyard. Eventually the void is transferred again into the solid as the clinic, where waiting area and the treatment area are juxtaposed against each other.

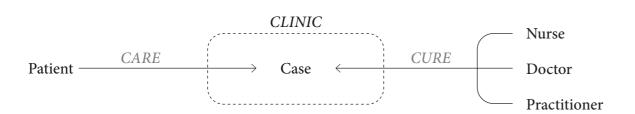
It ain't about the body, folks. It's about the words.

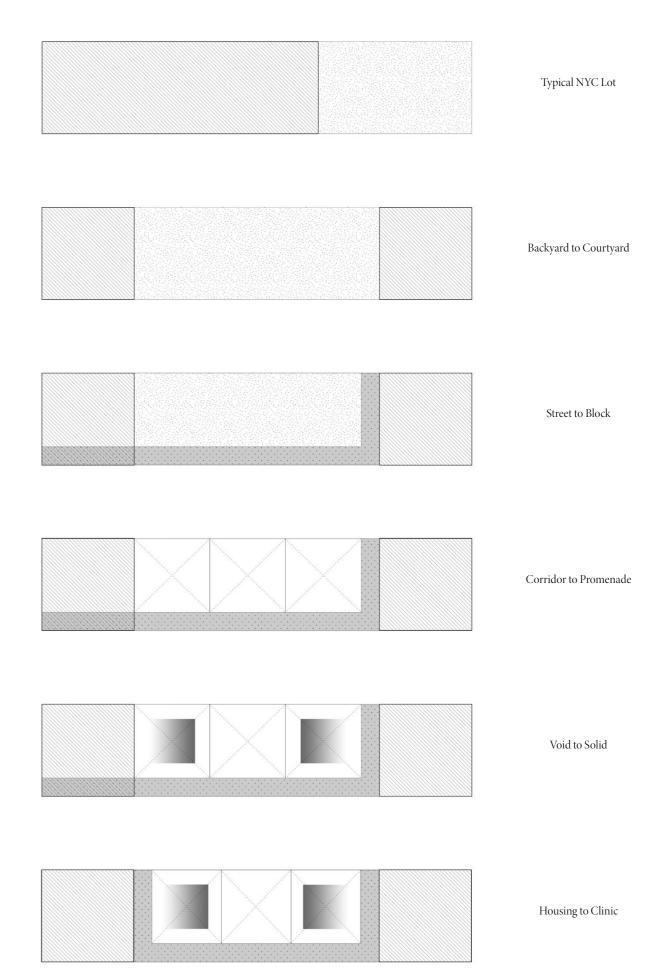
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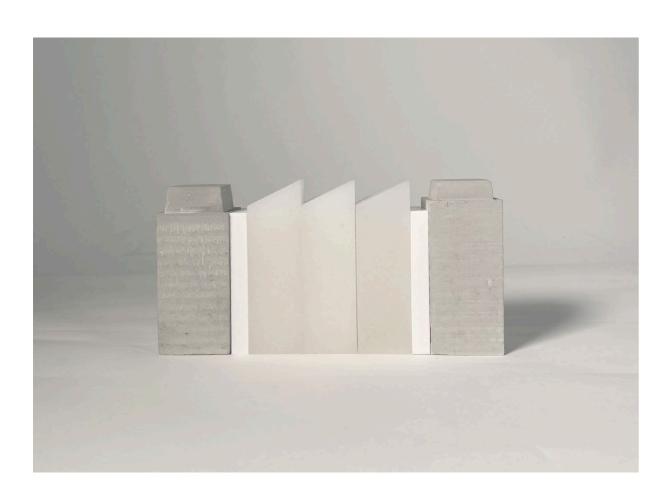
The clinic (the doctor's office) is built around the idea that the patient's body is doing the talking, and the doctor is only an objective observer.

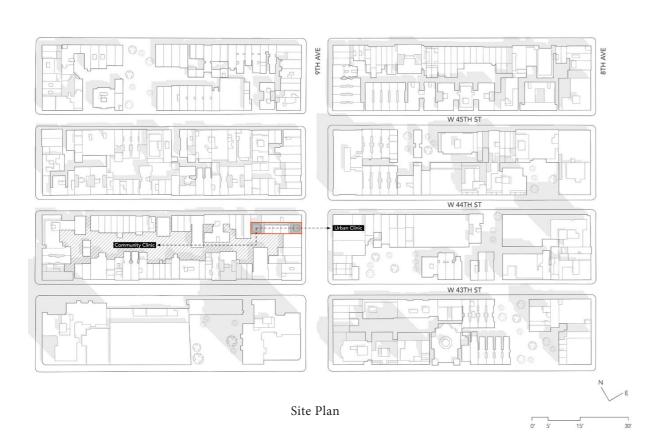
-Michel Foucault

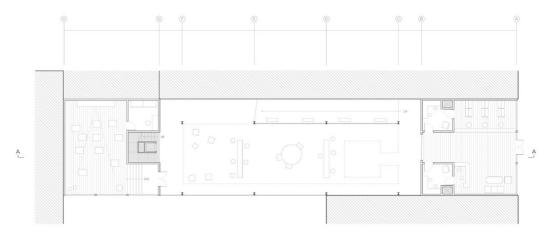




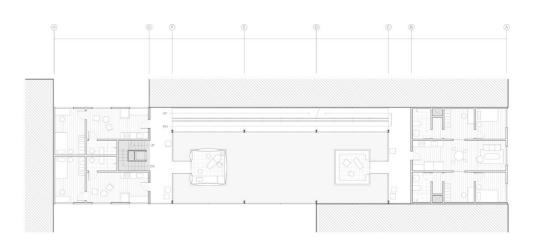








Ground Floor Plan



Typical Floor Plan

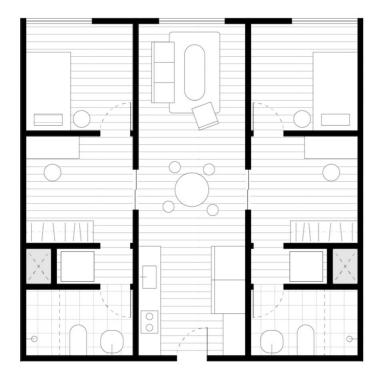


Roof Plan





Housing: Shared Living

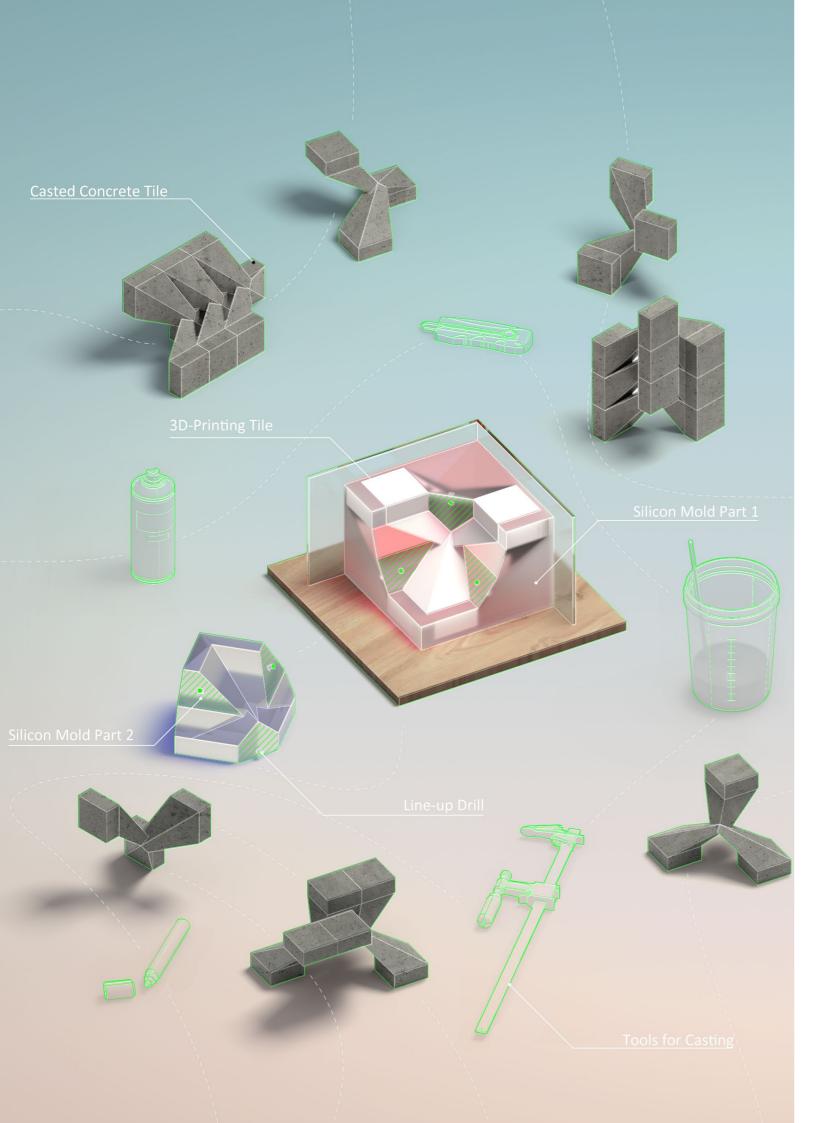




Clinic: Waiting Area

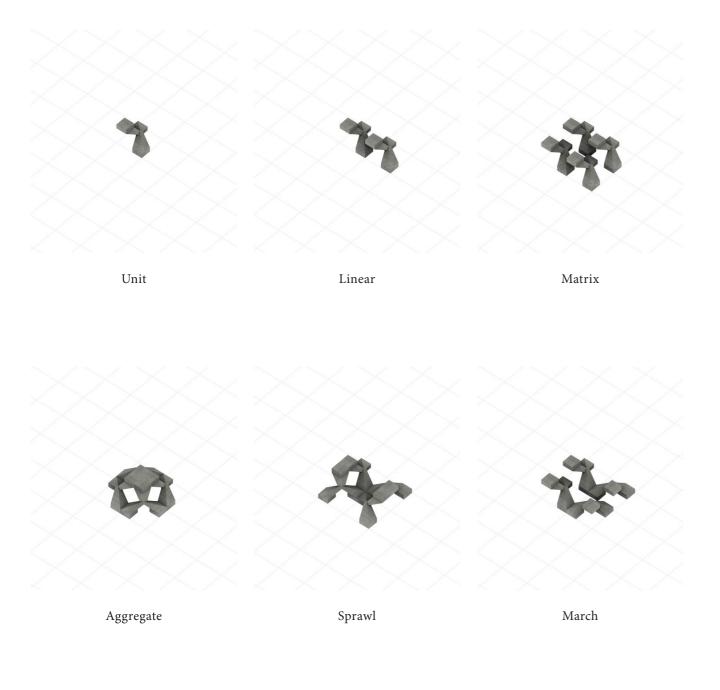


Clinic: Treatment Room



Re-imagining Grid

Critic: Joshua Jordan Course: Transitional Geometry Individual Work





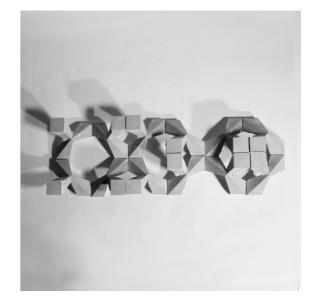
Block

Tower

Podium







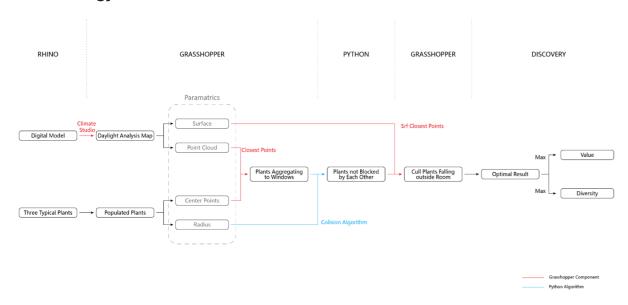
Vertical Grid Planar Grid



Avery as a Garden

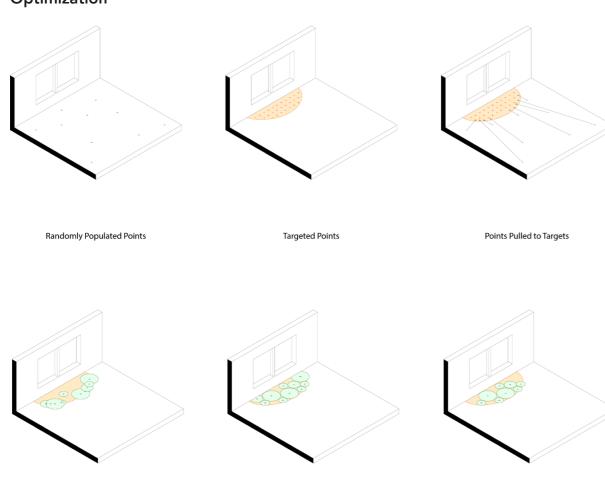
Critic: Danil Nagy
Course: Generative Design
Teamwork with Ruisheng Yang, Qingning Cao, Yifei
Yuan, Wanqi Jiang

Methodology



Optimization

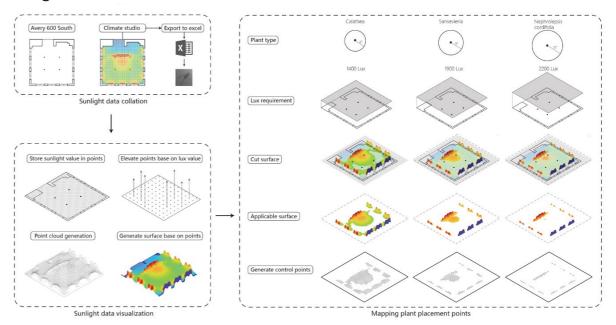
Overlapped Shadow



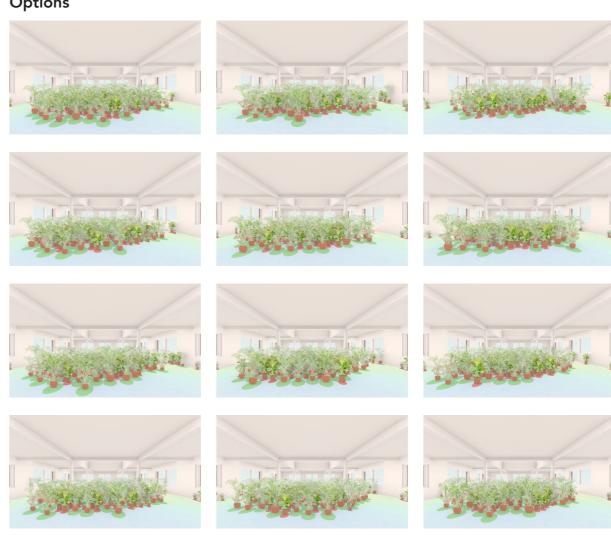
Circles Tangent to Each Othher

Culled Circles outside the Room

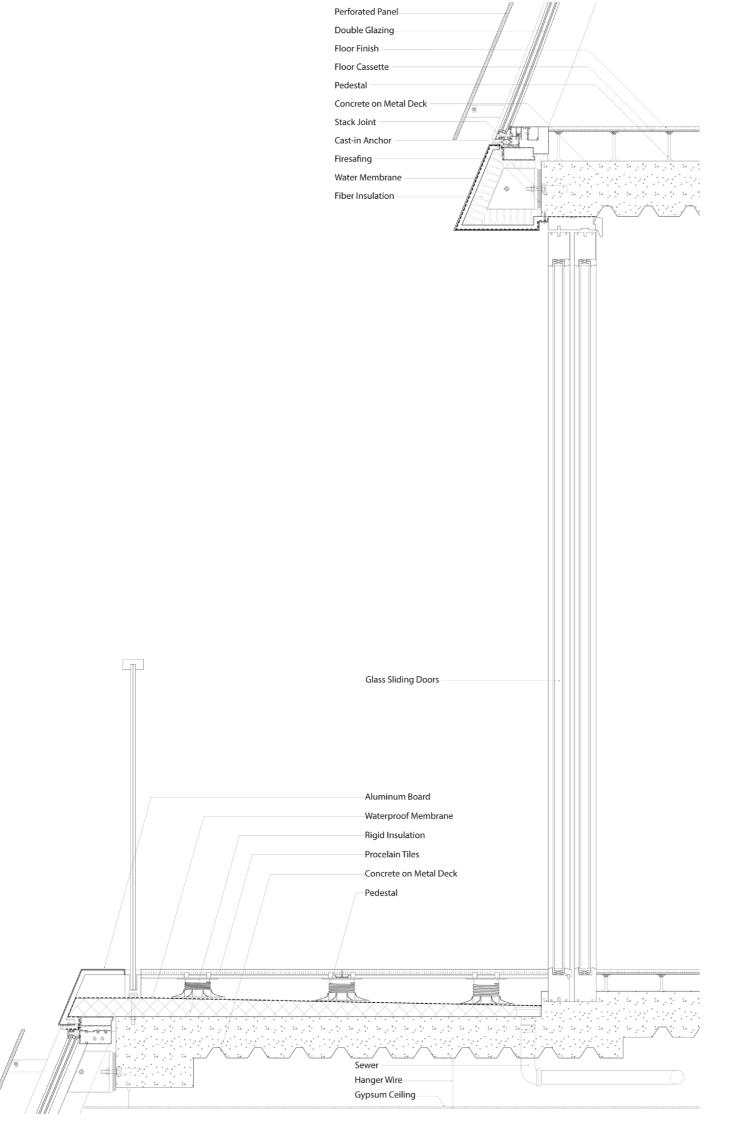
Sunlight and Plants Placement



Options



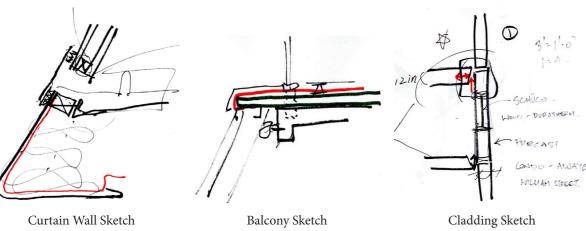


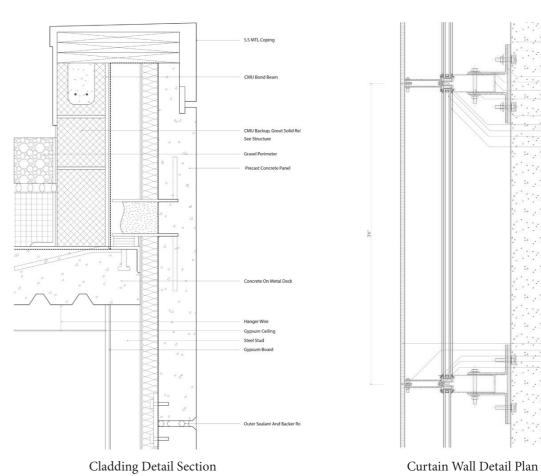


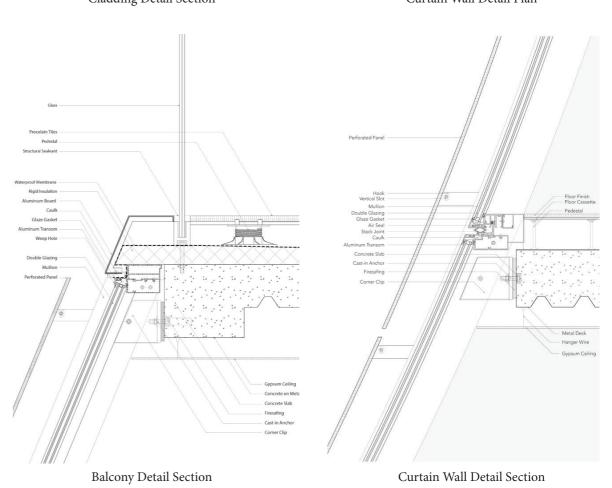
Sharing as Armature

Critic: Kevin Schorn Course: Facade Detailing Team Work with Duo Xu, Hao Ma









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