

sym·po· si·um?

Columbia University
GSAPP, - M.S. AAD 20'
Helena Urdaneta



*To debates at Avery,
To our late night talks,
To our drunken discussions,
To the streets of New York
To my GSAPP fam.*



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SUPER TALL

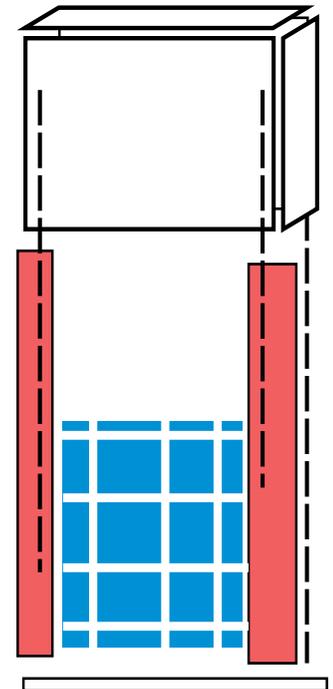
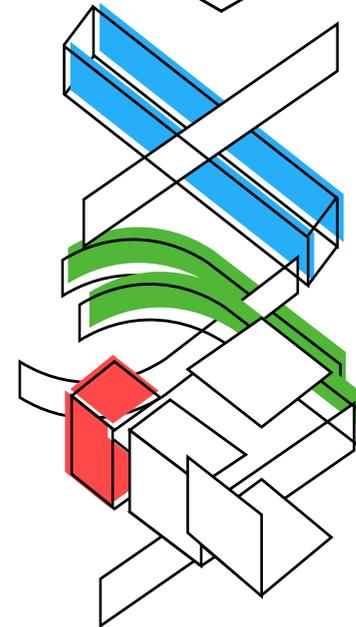
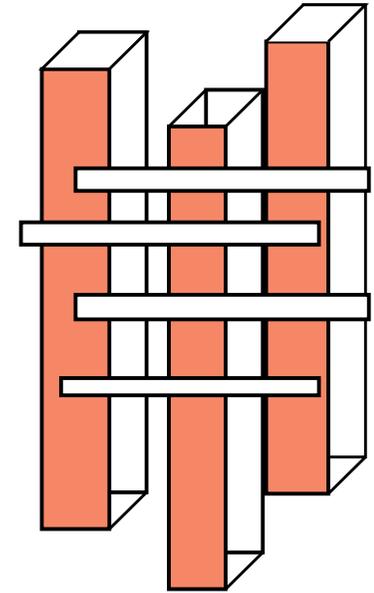
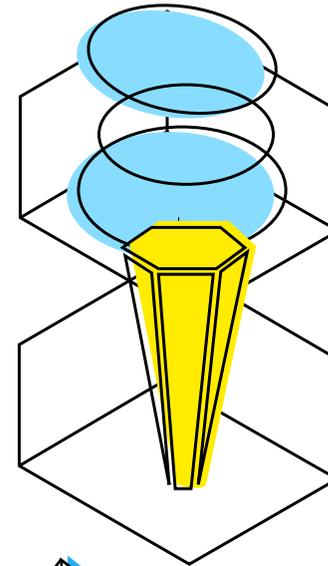
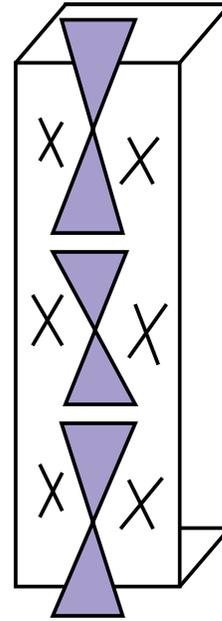
ULTRAREAL pp.



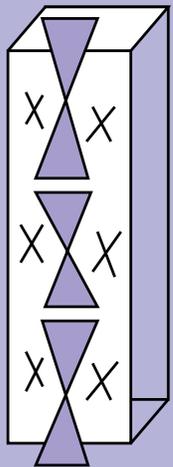
I believe our constant aspiration in our life should be growth, personal and intellectual. Growth, comes with changing our perception of what is true based on new, most accurate information. It leads us to recognize aspects we tended to overlook, to distinguishing right from wrong. No-one has the ultimate truth, truth is found by fragments as we advance through life. Nonetheless, we constantly find ourselves in the search of it, engaging on discussions to try and reach a verdict. But, this ultimate truth, is in constant change as new. Hence why, this search must be unceasing. This presented, is a summary of conversations, the result of multiple symposium in search of the truth. It represents part of my intellectual growth and shows, as I hope, the stage in which I find myself in.

PART I. ADVANCED DESIGN STUDIOS

*Dan Wood
Bernard Tschumi
Enrique Walker*

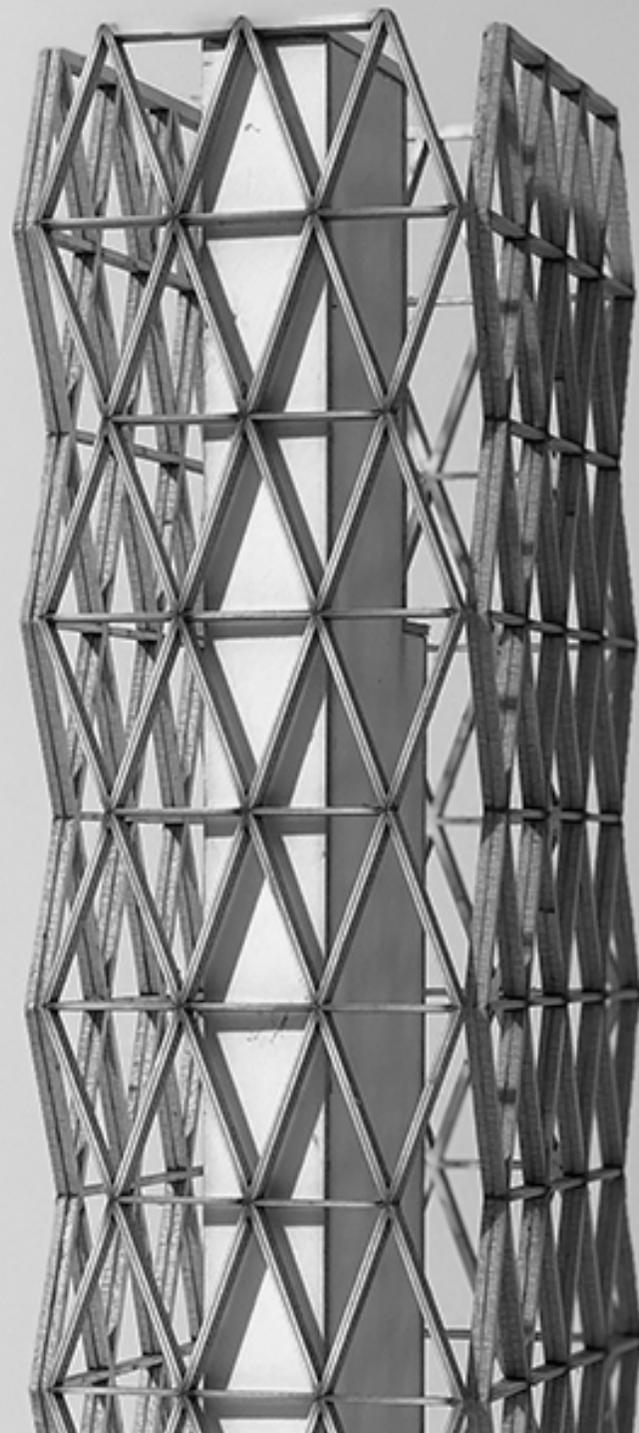
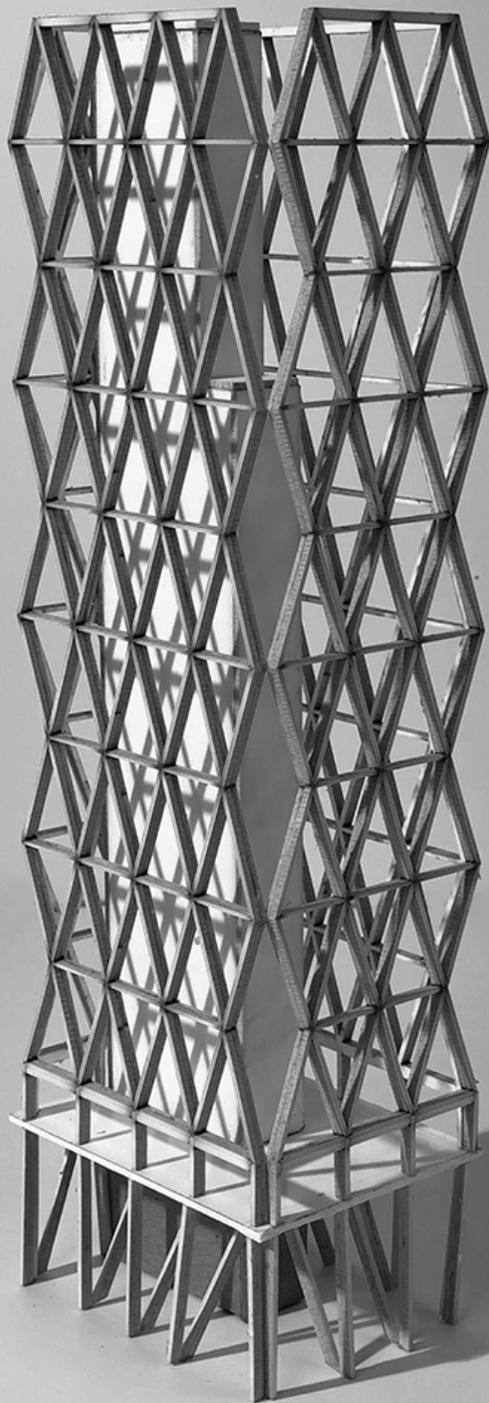


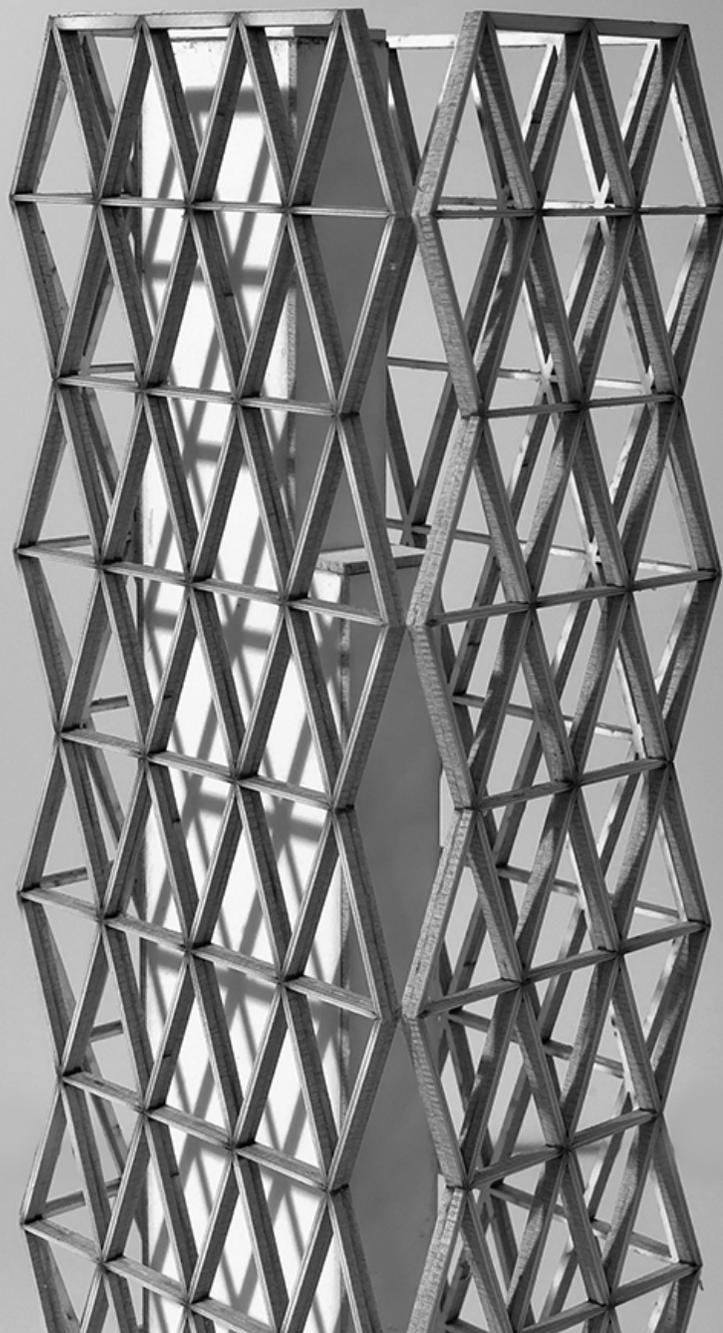
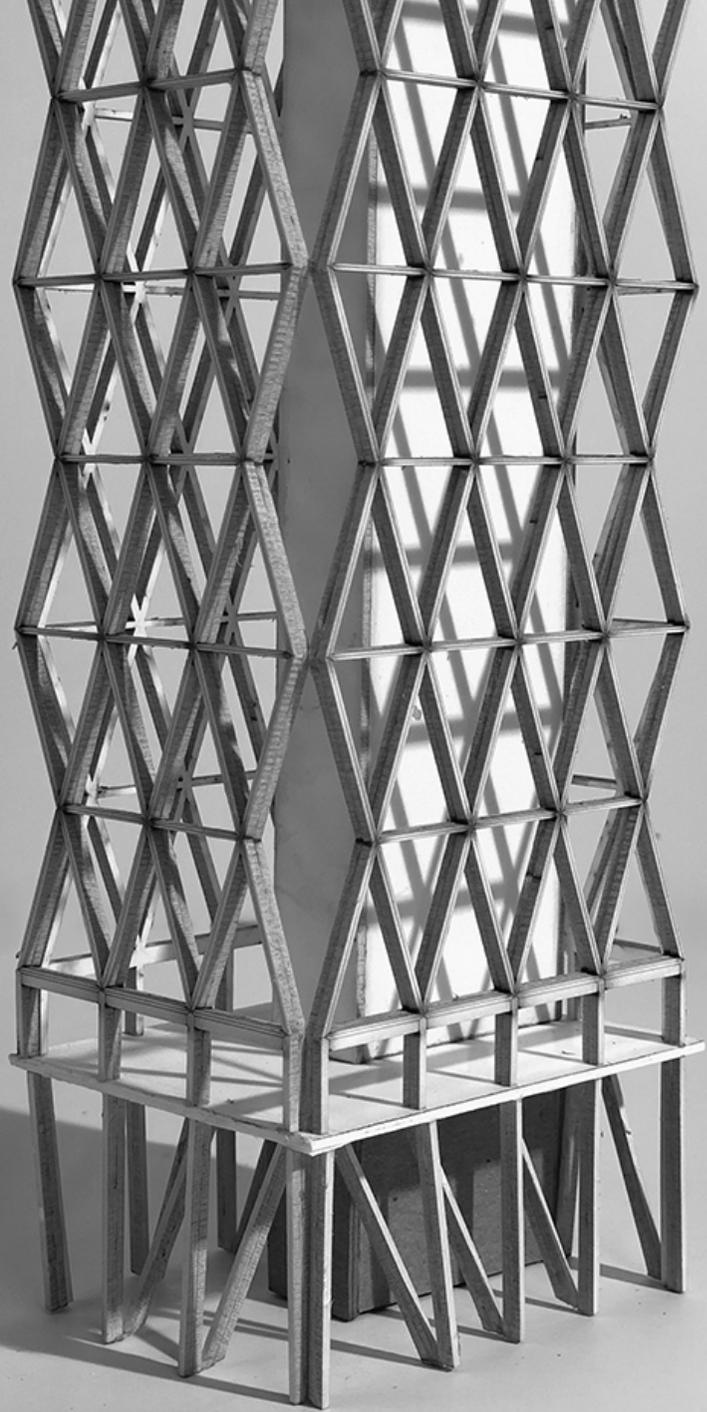
Diagrid System: Hearst Tower New York, NY



*Exploring the
Skyscraper*









Vertical City: A Prismatic Neighborhood



*Re-thinking the
Skyscraper*

What is the future of skyscrapers? As population grows, demand for increases. In a city like New York, there is nowhere to go but up.

This prismatic glass tower aims to challenge the typical skyscraper typology into a solution driven mechanism able to encompass diverse neighborhoods and services required for the citizens to leave a fully varied life without the need of ever leaving the tower.

Each area is developed around public spaces, and encompasses 3 different mechanisms of movement through a green band. An illusion of free transit, as you would in the city. Education, pharmacies and post offices are complemented by sports, bars and a cinema.

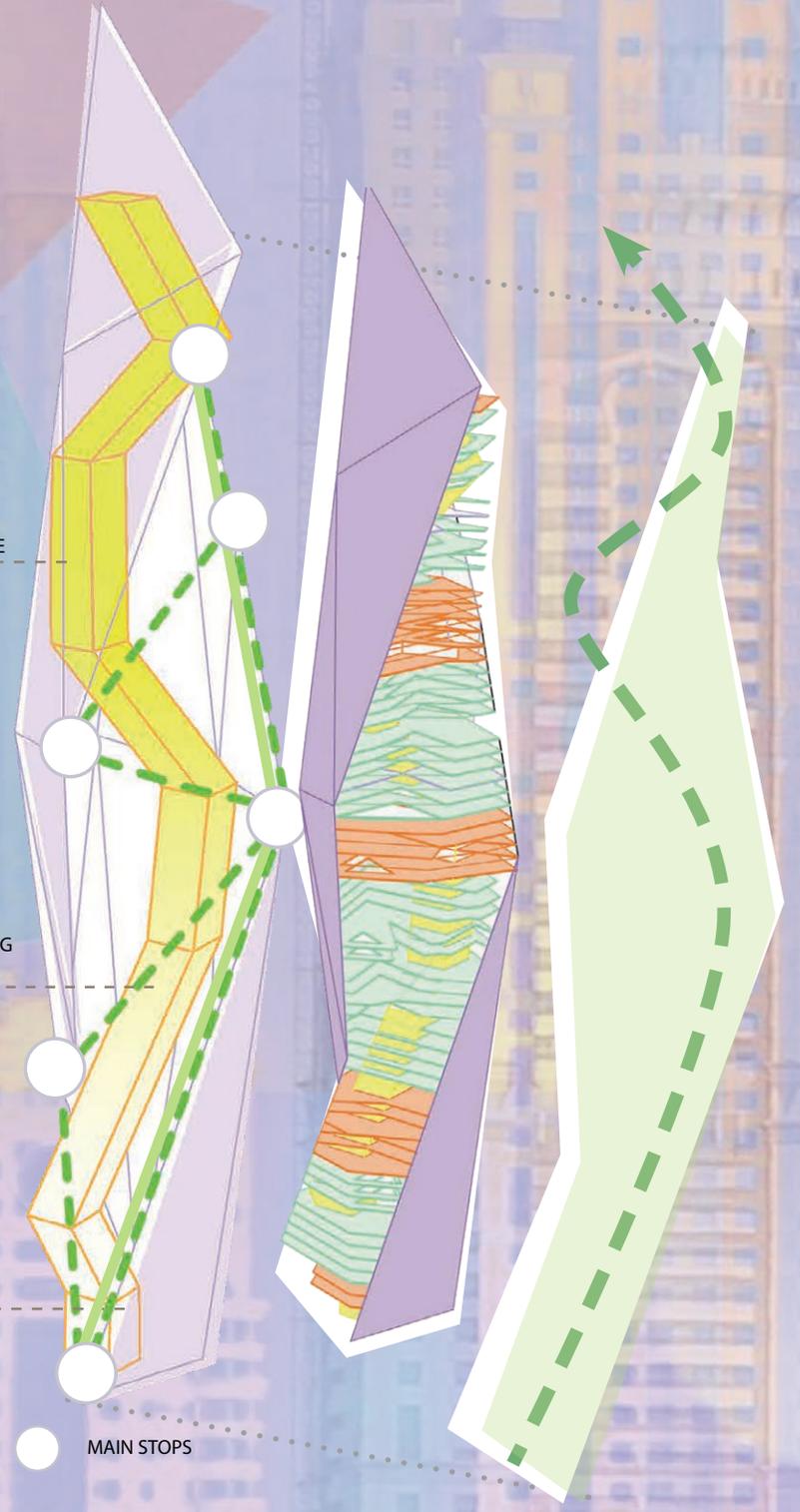


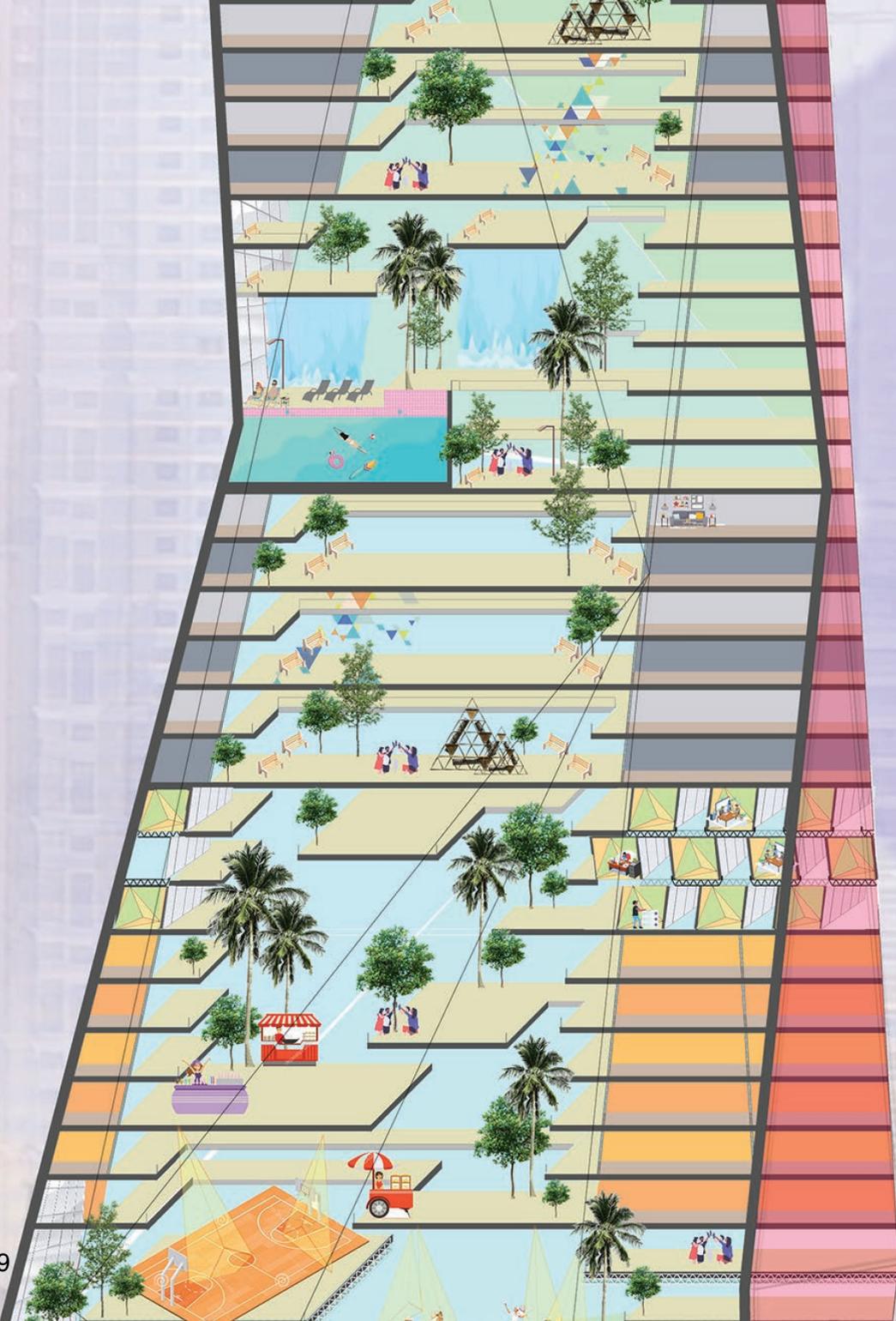
SHIFTED CORE

SELF-PEDALING SYSTEM

CABLE CAR

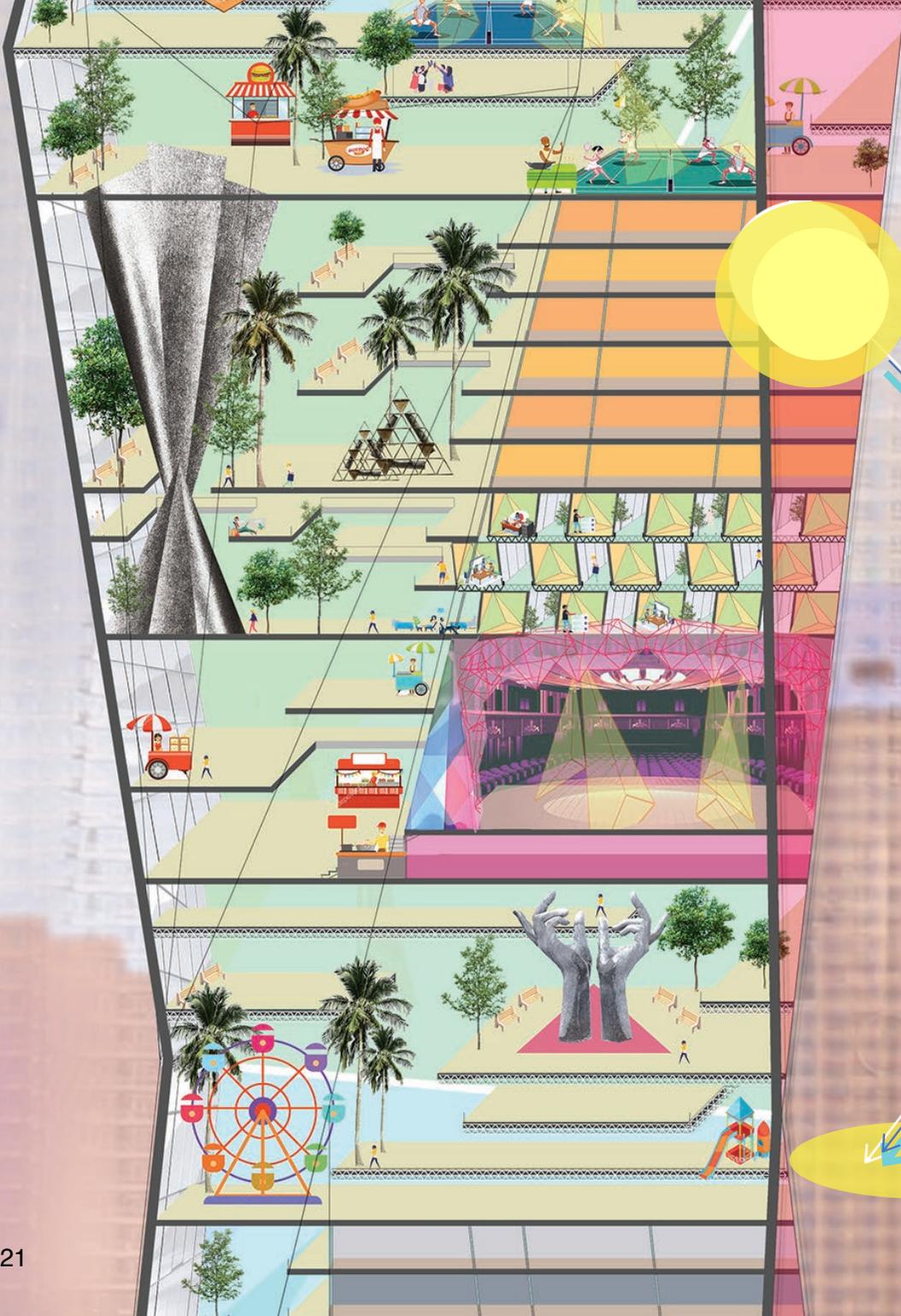
MAIN STOPS



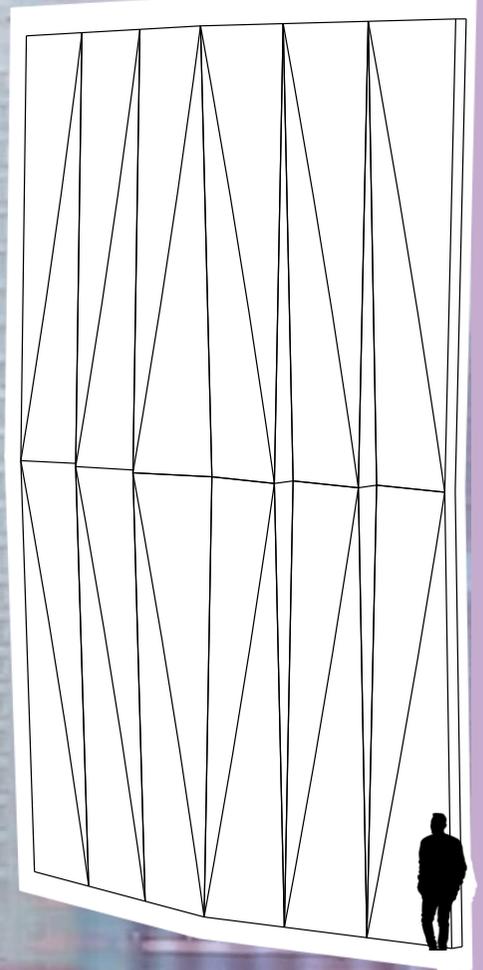
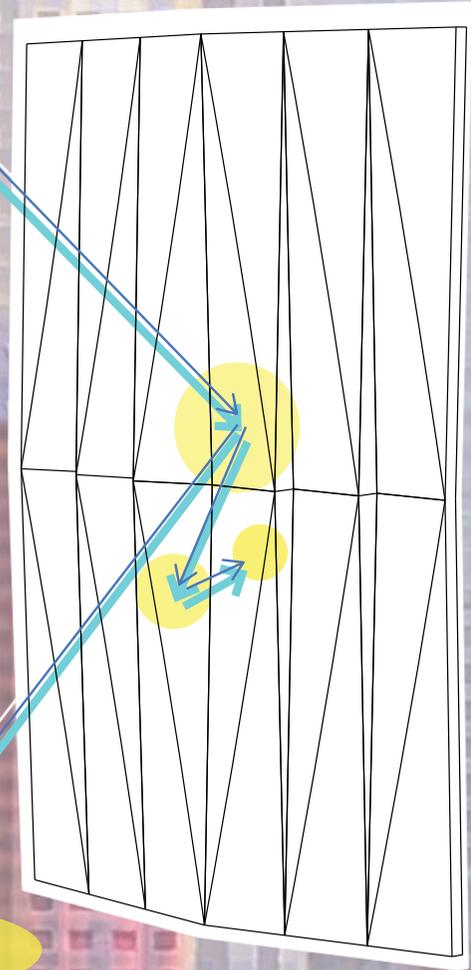


FLOOR REQUIREMENTS LEADING MASSING

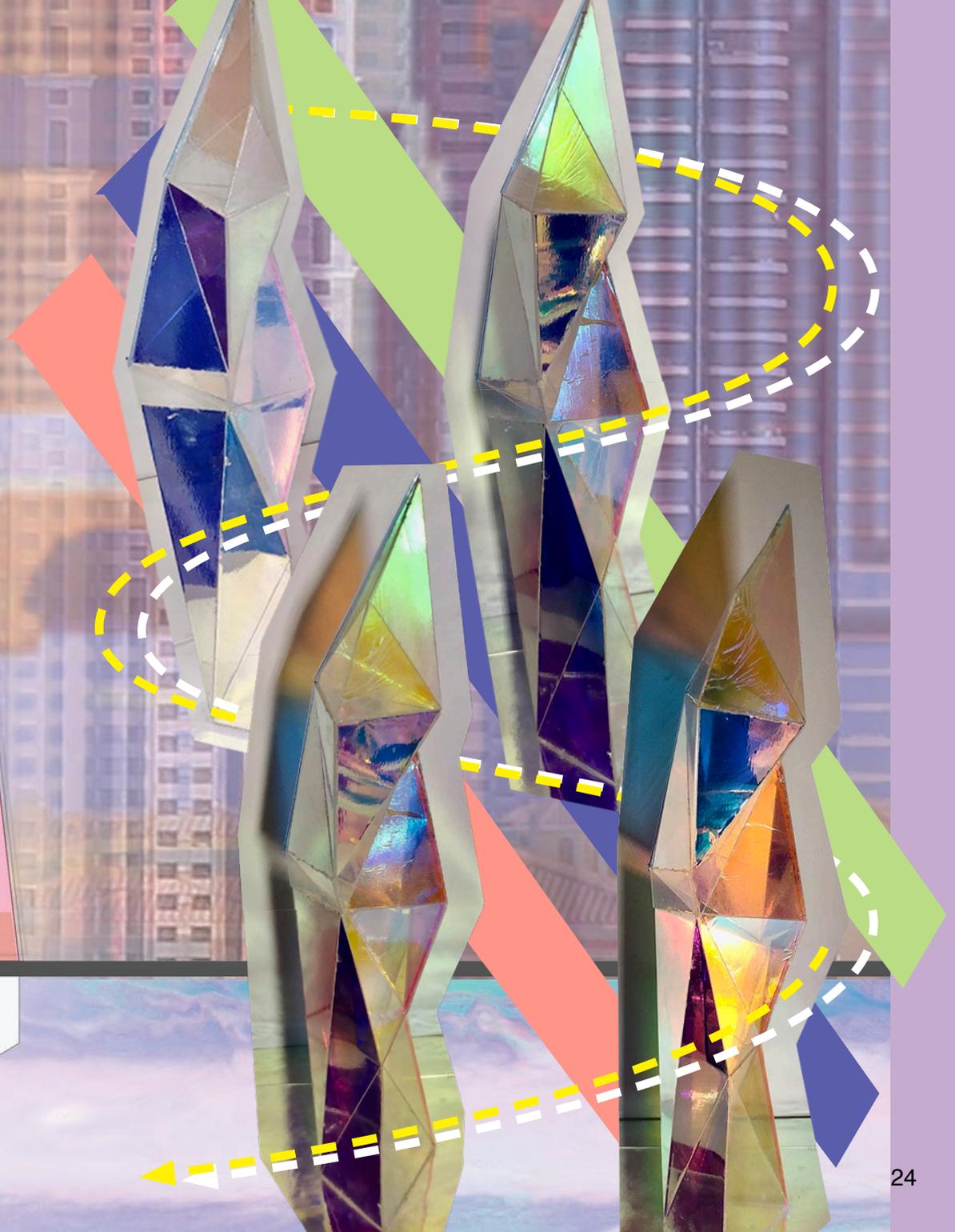
FROM THE STREET TO THE TOP



- Solar radiation absorption **+ 52.4%**
- Indoor natural light **+ 19%**
- Interior Glare **- 20%**
- Cooling requirement **- 6.5%**
- Fan requirement **- 5.7%**
- Heating requirement **- 1.5%**



THE SKIN
MODULAR PRISMATIC GLASS FACADE
MAXIMIZING EFFICIENCY



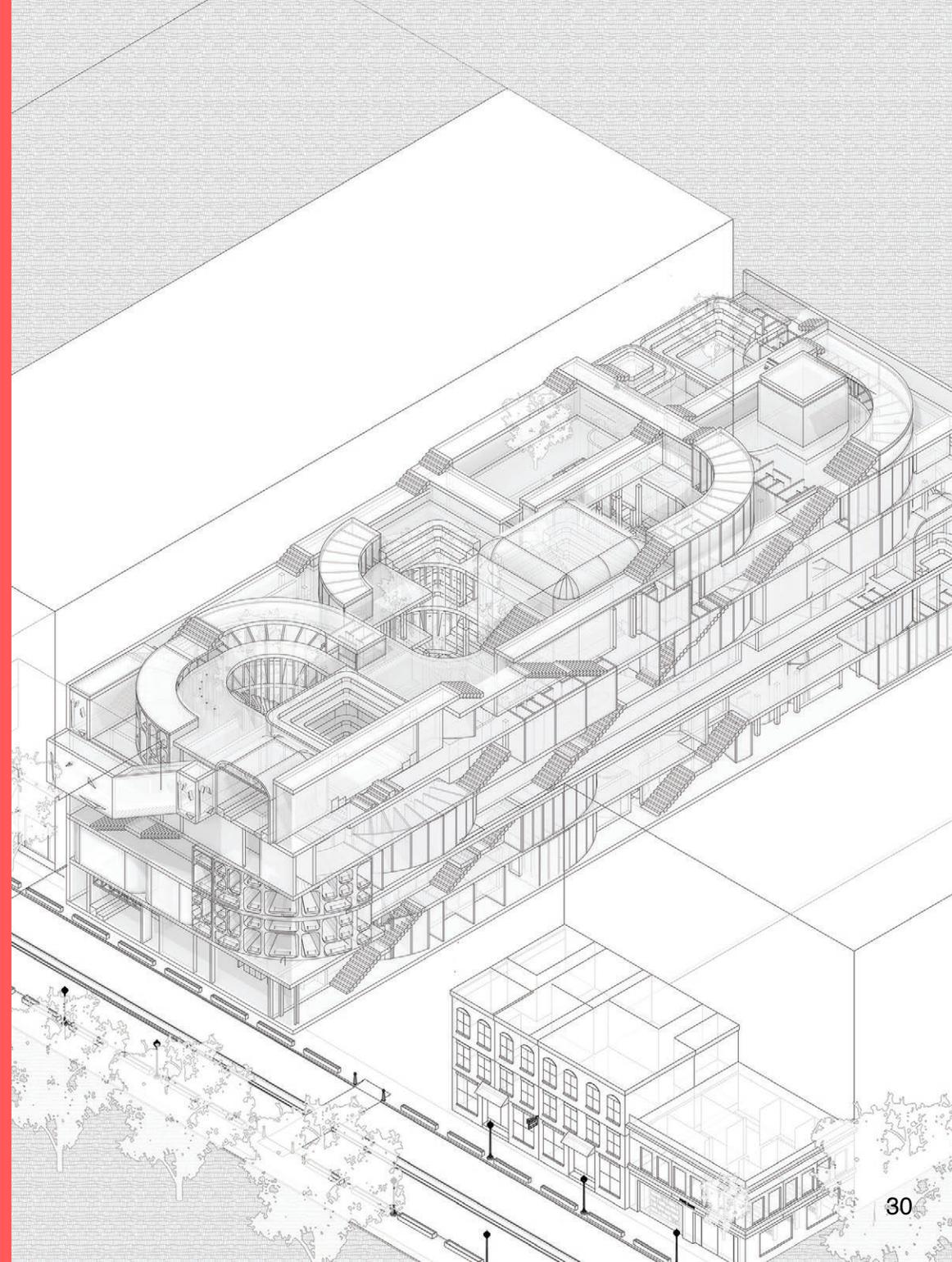


THE INTENTION: NOT YOUR AVERAGE SKYSCRAPER
THE TOP: PUBLIC SPACE. ENCOURAGE VERTICAL TRANSIT
THE STREET: CONNECTING BUILDING + CITY

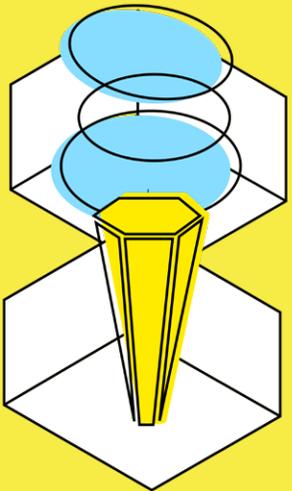


ADV STUDIO V A NEW TYPE OF...

Bernard Tschumi
Fall 2019



Movement: The Fixed + The Flexible



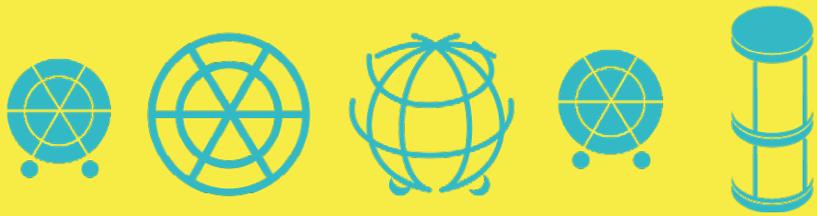
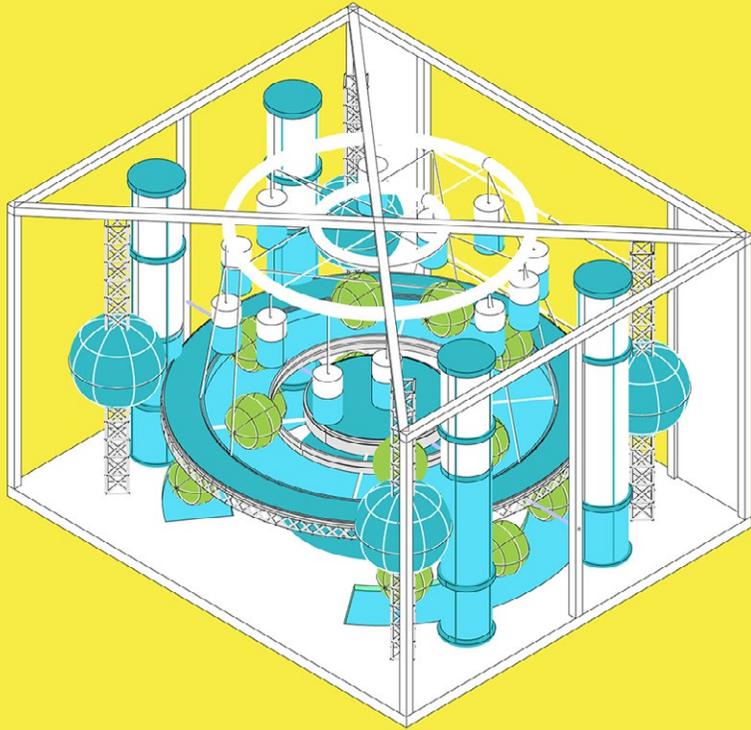
*Exploration on
Typology*

Buell hall has no foundation, hence it could technically be moved anywhere.

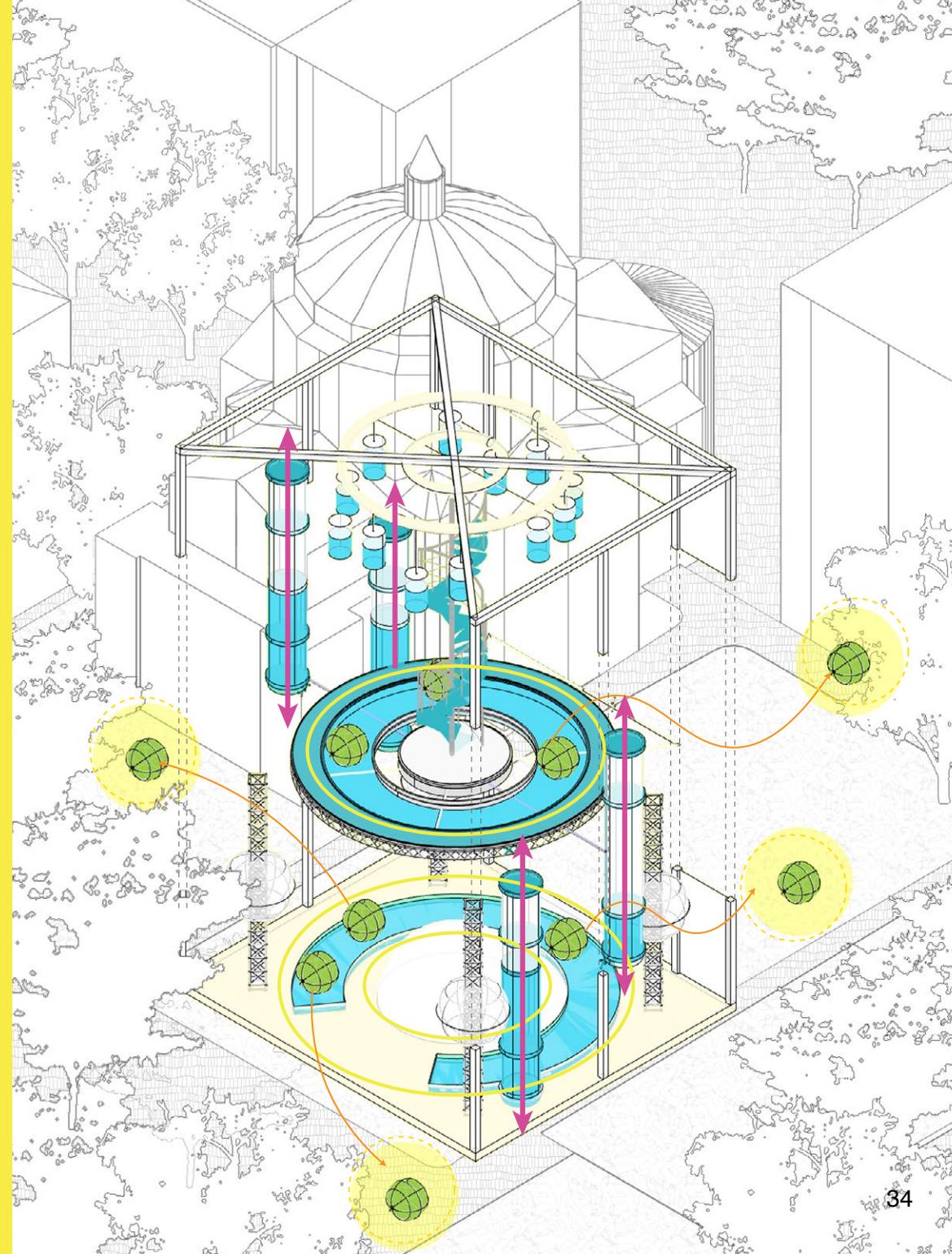
Going from this fact into considering the question of movement. How can buildings be moved? What are the possibilities of different types of movements?

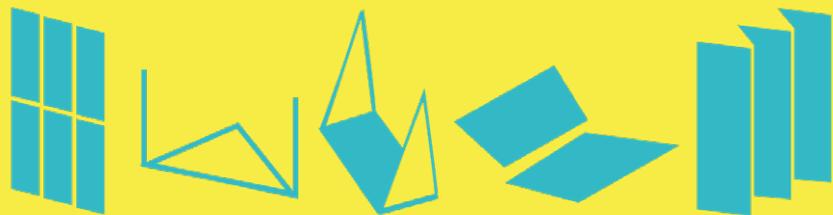
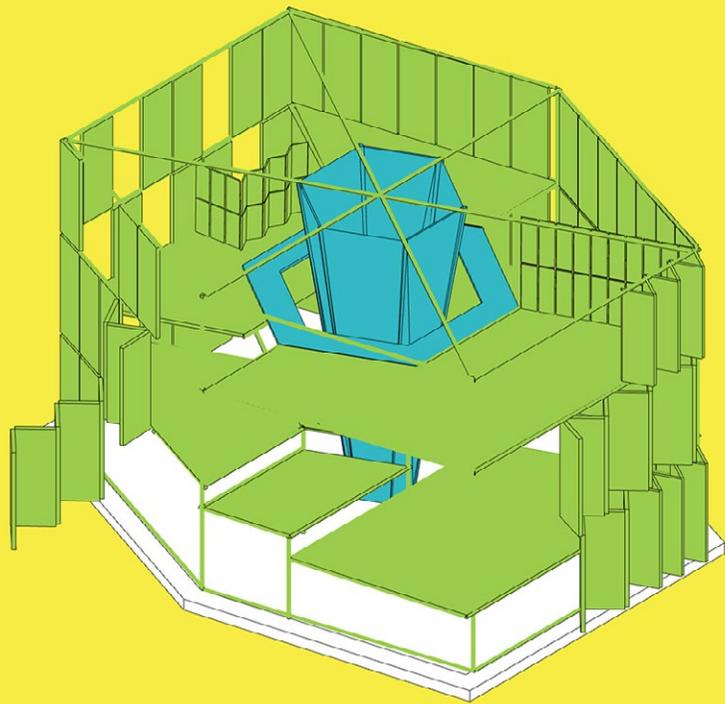
Making movement the center of our investigation, we explored the Fixed and the Flexible, to create expansion beyond constraints. Components that could break the Limits imposed by four walls.

Some are entirely fixed and set the framework of the building, some are entirely flexible and could be displaced by users into any desired location

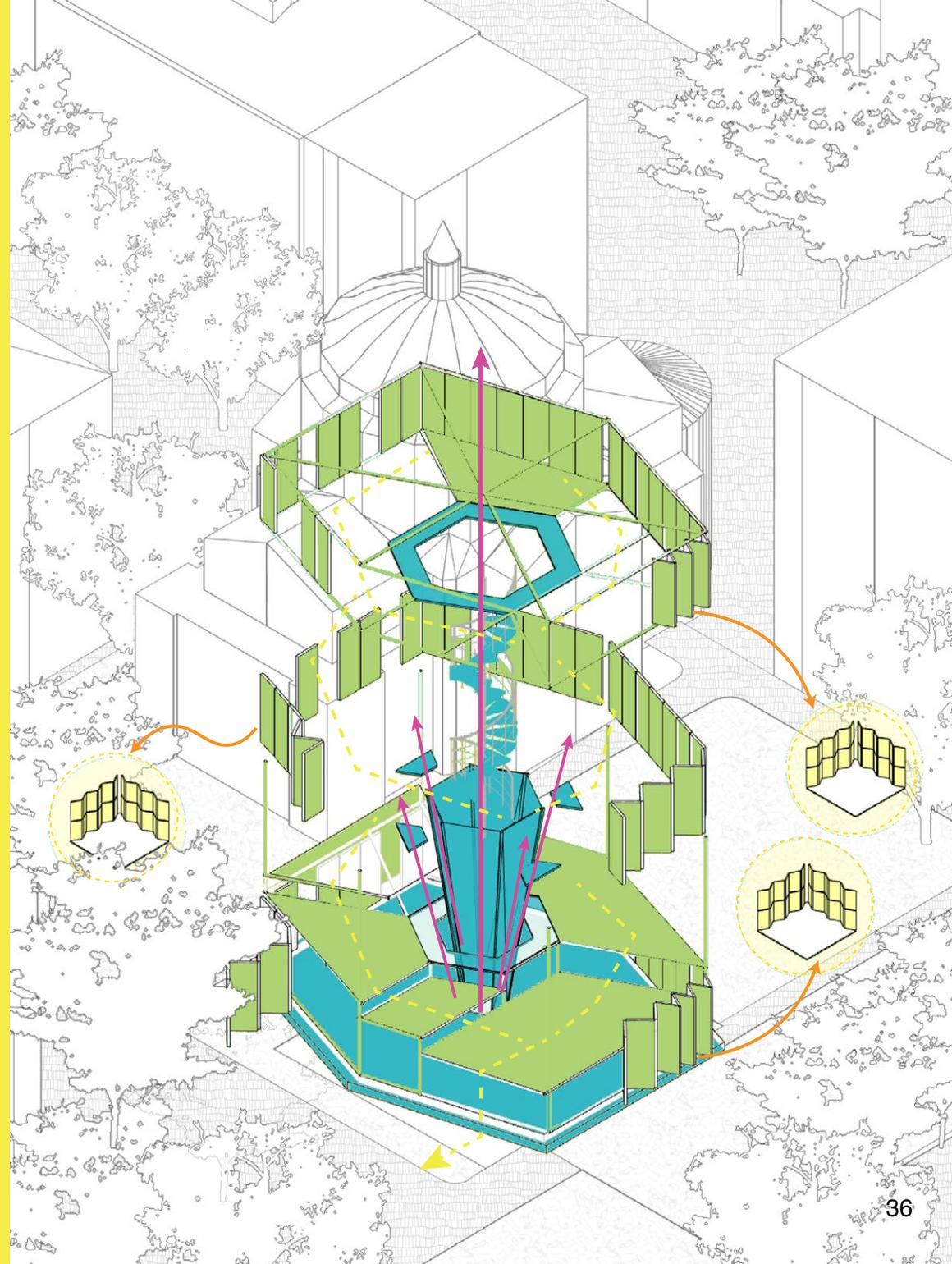


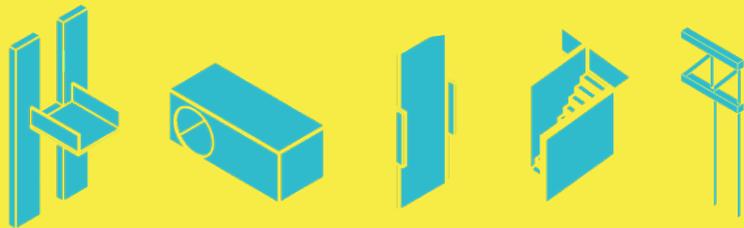
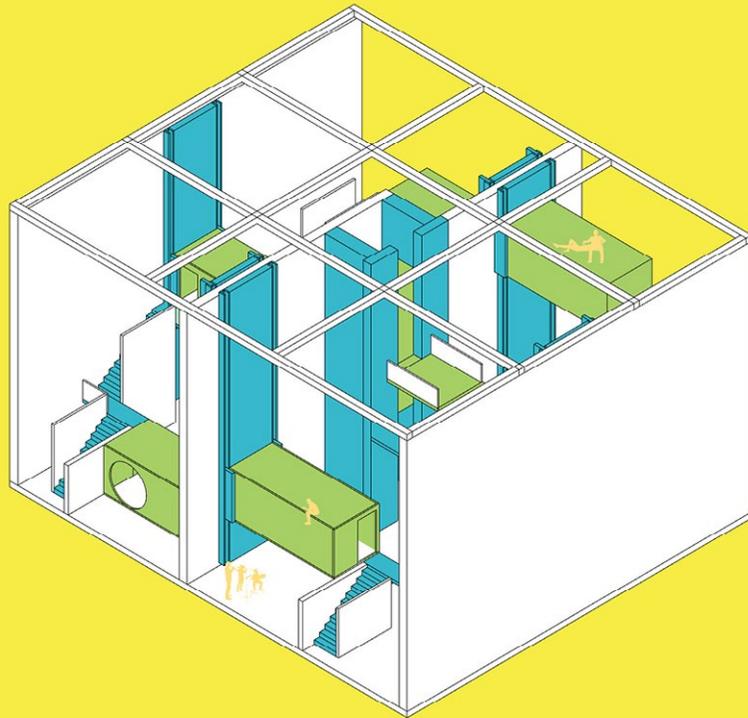
STUDENT LOUNGE
WATER RESEARCH CENTER



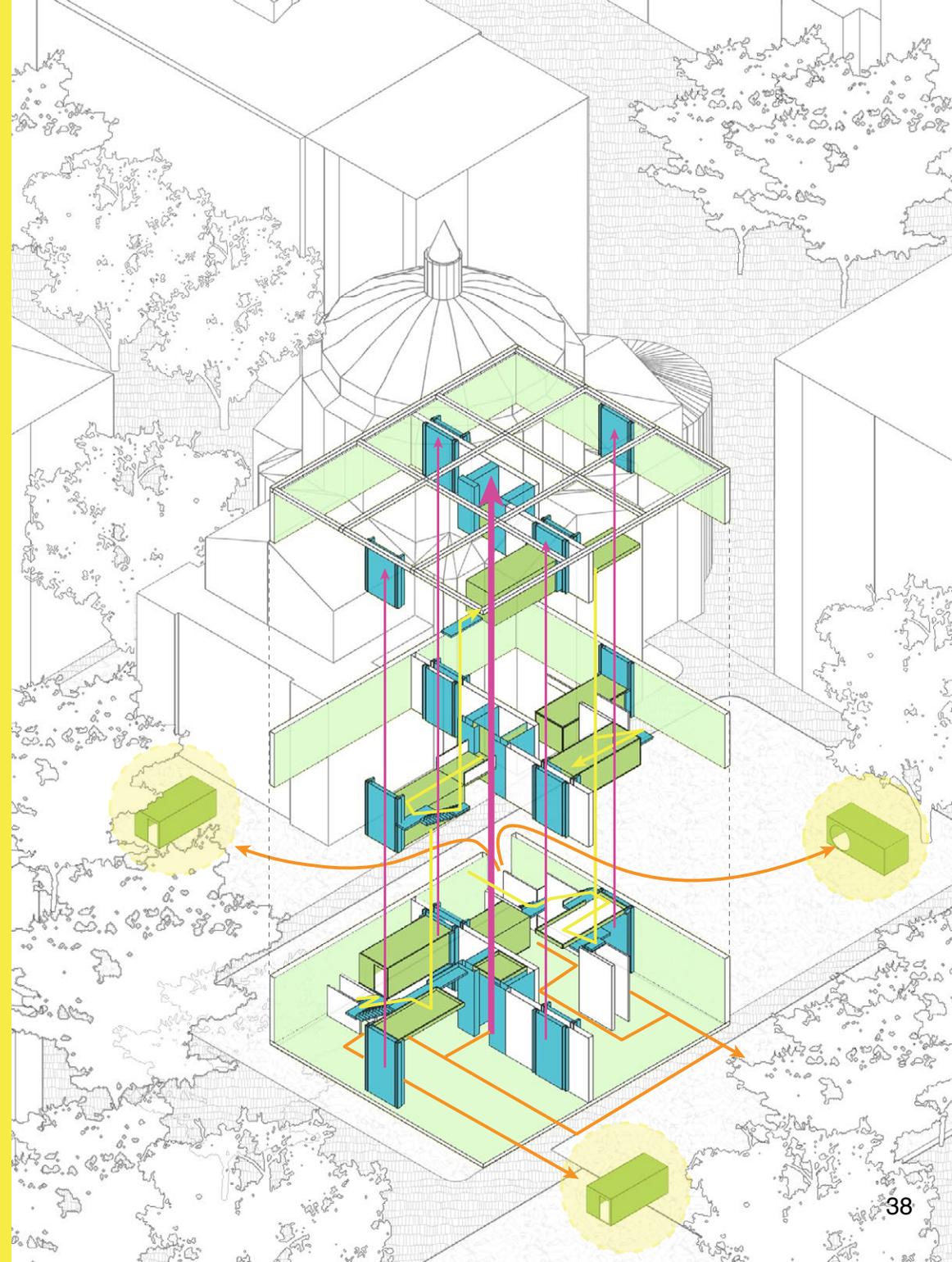


CONFIGURABLE BUILDING
ARCHITECTURAL RESEARCH TOOL

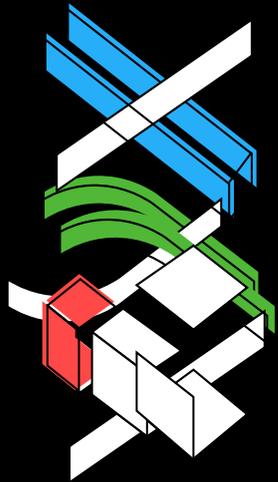




PROFILES + CONTAINERS
FREE SETUP PERFORMANCES



Manhattan Incubator: Journey No. X



*The Corridor as
a Destination in Itself*

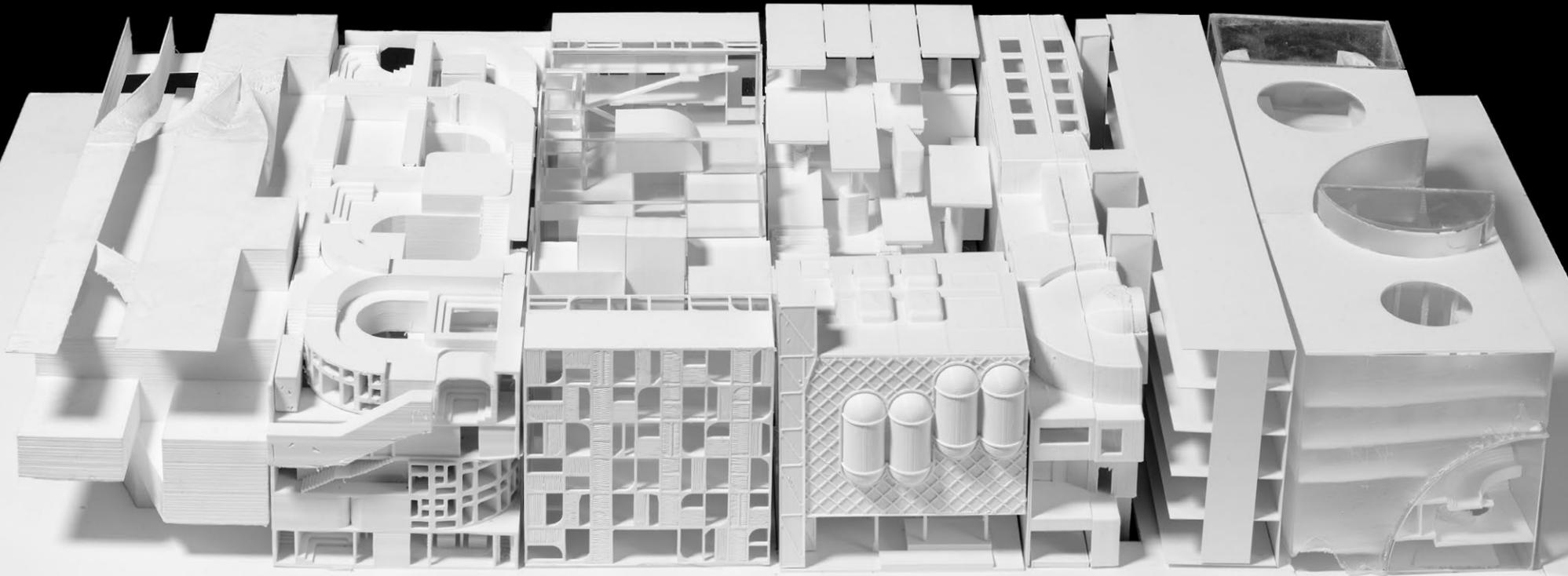
In the enchanted period, the world was ruled by philosophy and religion (the constant search for the ultimate truth and the respect for something bigger than humankind). According to Max Weber's theory of disenchantment, the post-modern world has now lost this magic, there is no longer meaning or integration.

We are proposing a new type of recreation. One that, by evoking the defining qualities of the enchanted era, aims to bring back its benefits into these modern times.

As an architectural tool, the corridor is now re-invented, re-defined and overlapped to generate an endless combination of enchanting experiences.

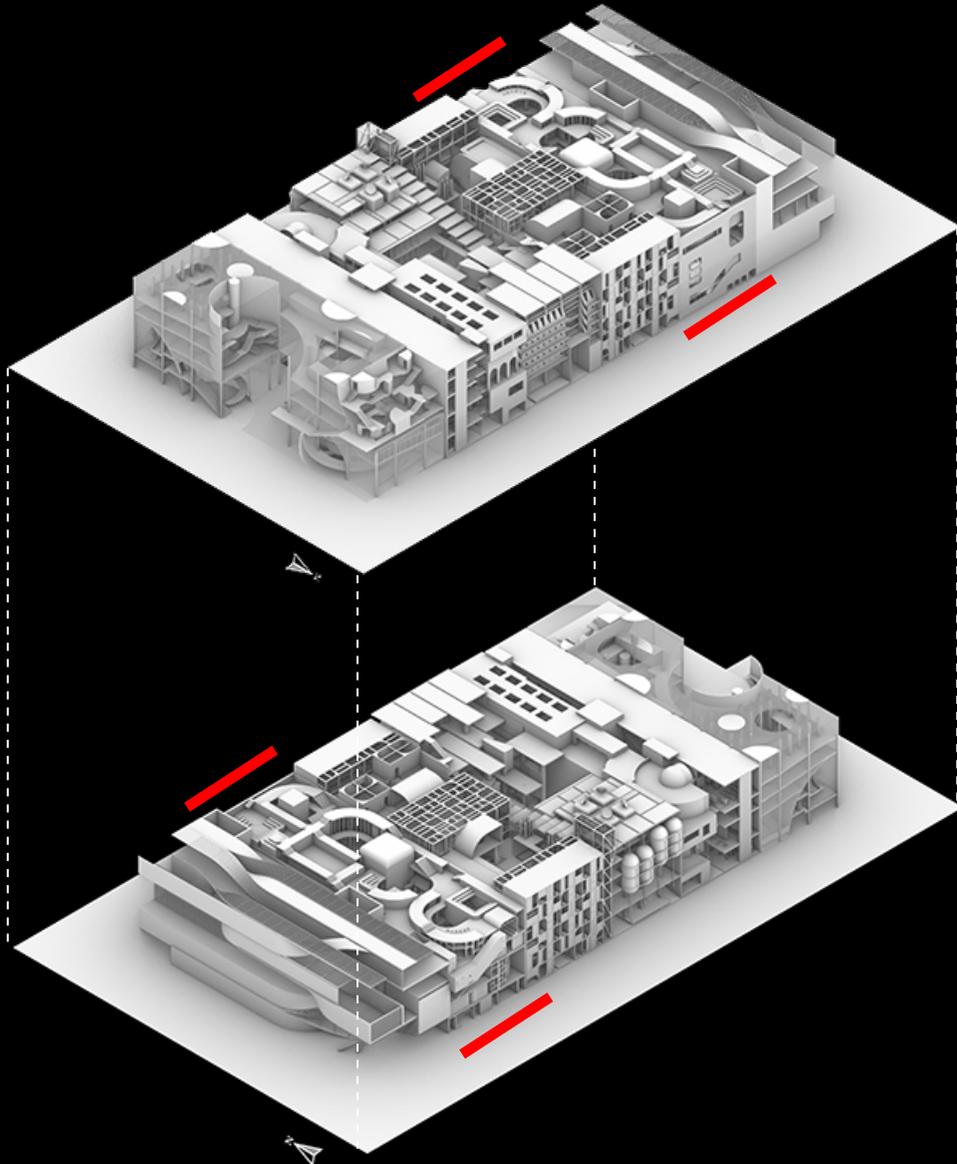
“A New Type of Manhattan Block”

Collaborative site model by the Studio



“Can Recreation Re-Enchant the World?”

Irrational / non-scientific / non-functional



Manhattan Incubator: Journey No. X
The Endless Quest for Enchantment

THOUGHT



ENDLESS QUESTIONING

SENSE

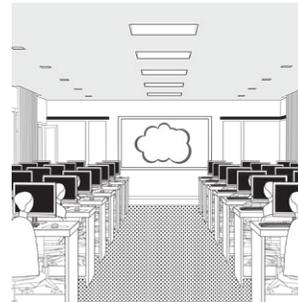


GENIUS LOCI

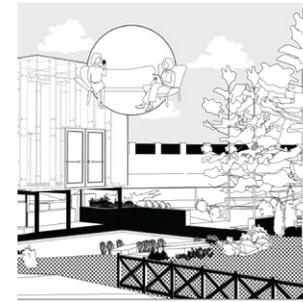
EMOTION



SENSE OF COLLECTIVITY



RATIONALIZATION



VIRTUAL WORLD

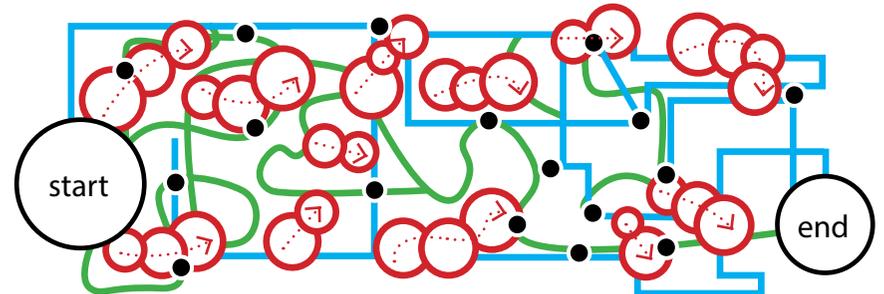


ISOLATION

ENCHANTED ERA

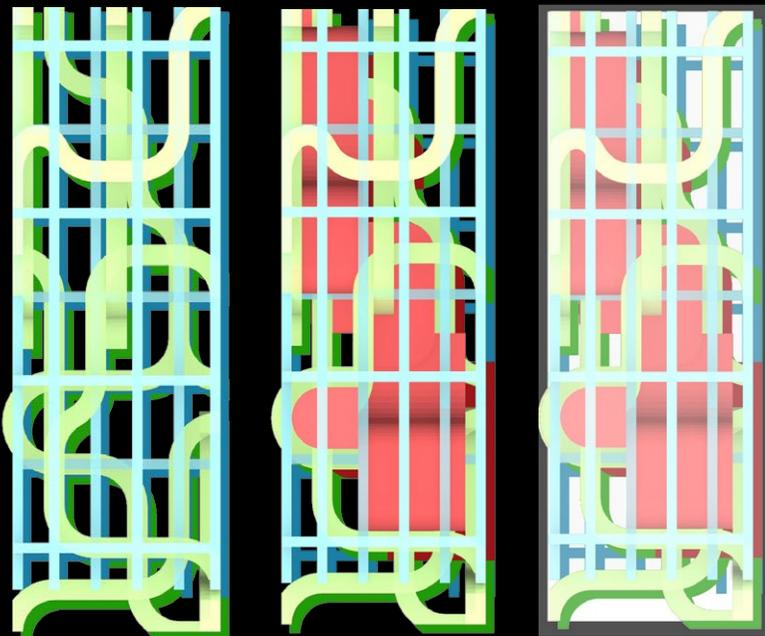
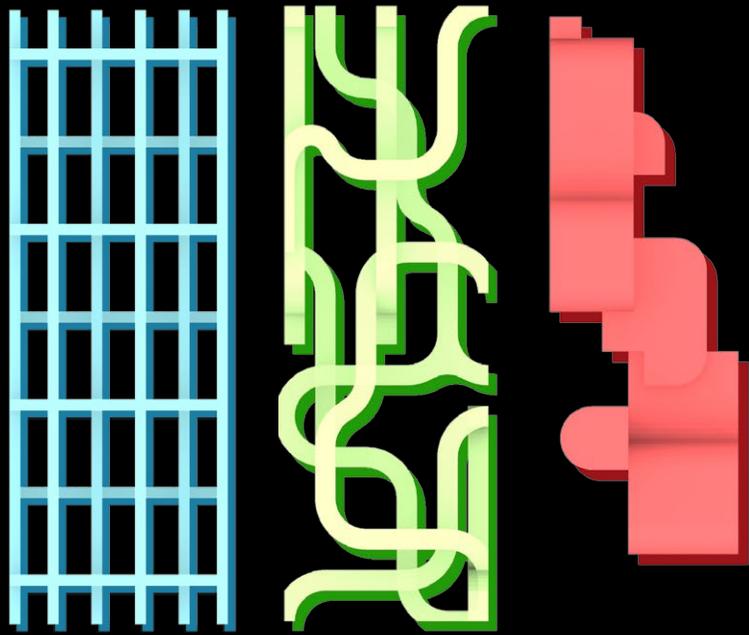
DISENCHANTED ERA

Superimposed Typologies

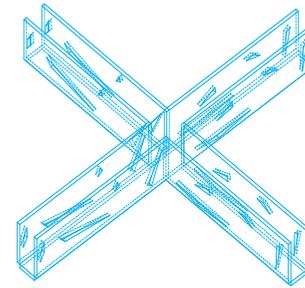


Endless Journey

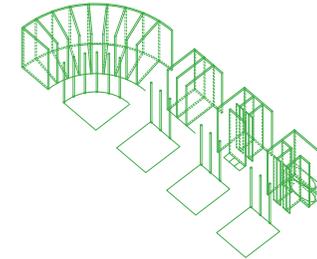
INFINITE CONNECTIONS
DECISION MAKING
CUSTOMIZED EXPERIENCE



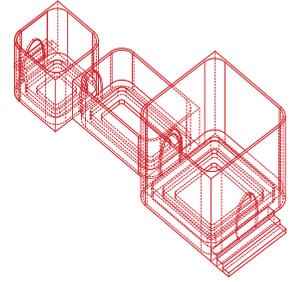
Typological Approach



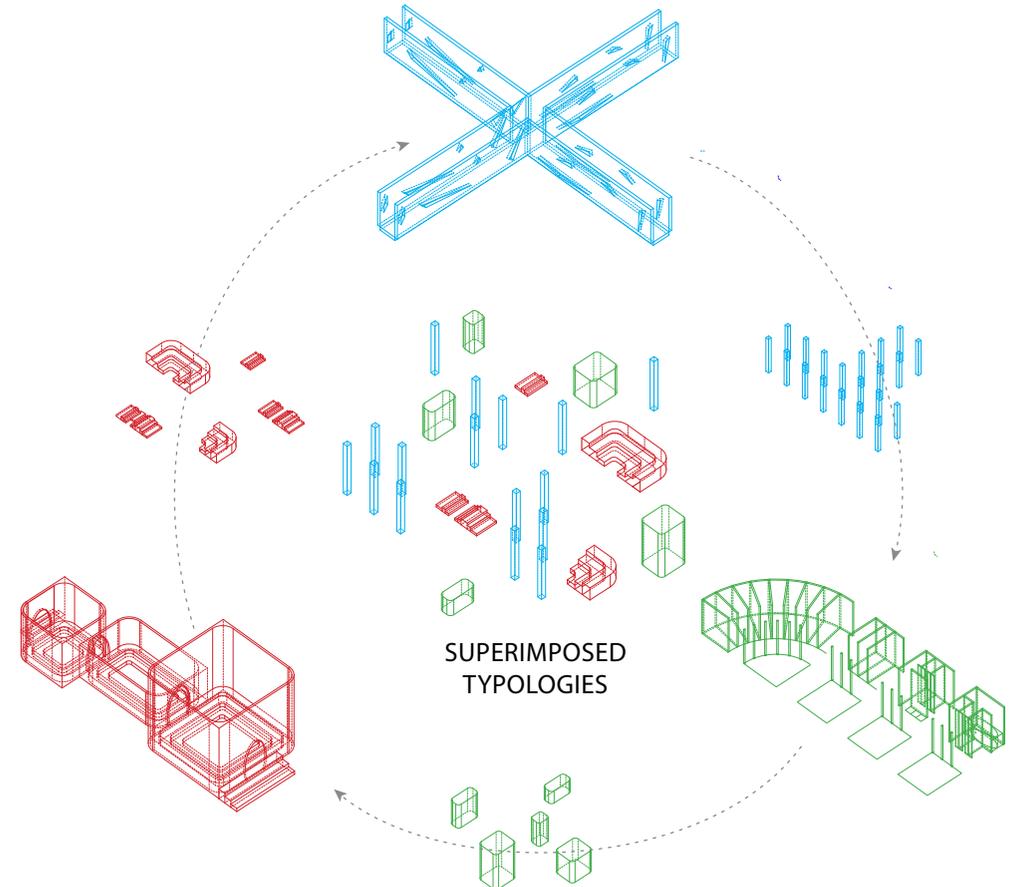
NON-STOP



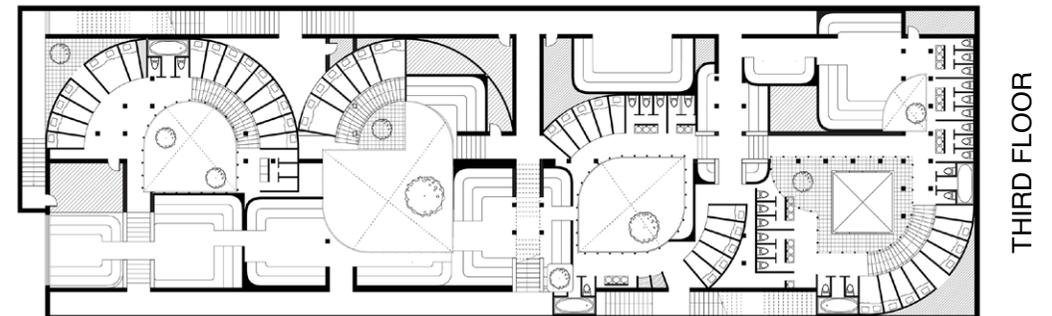
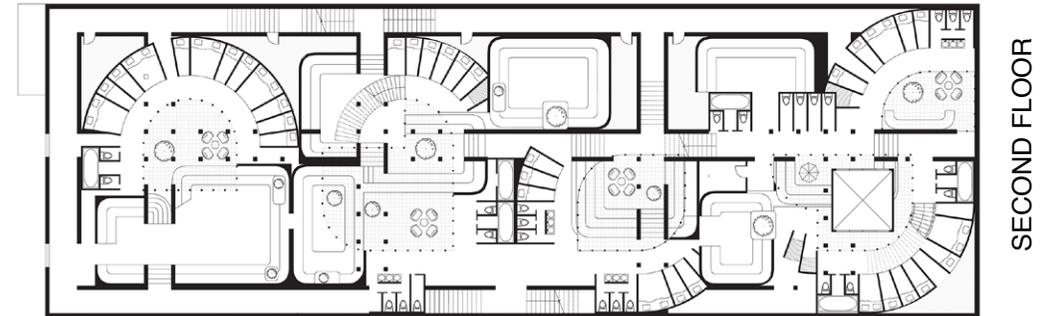
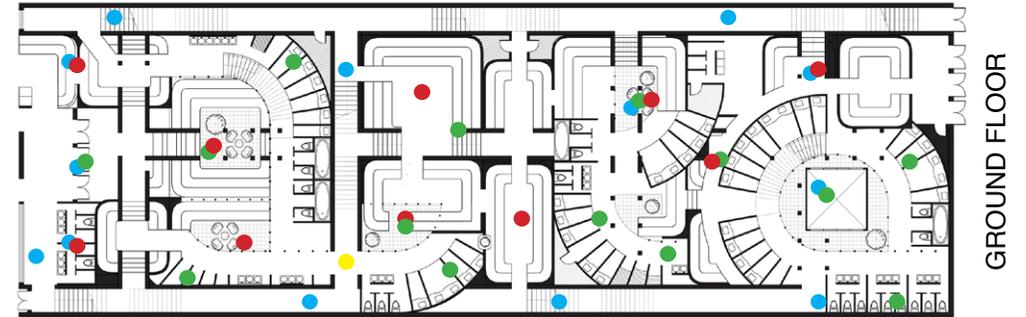
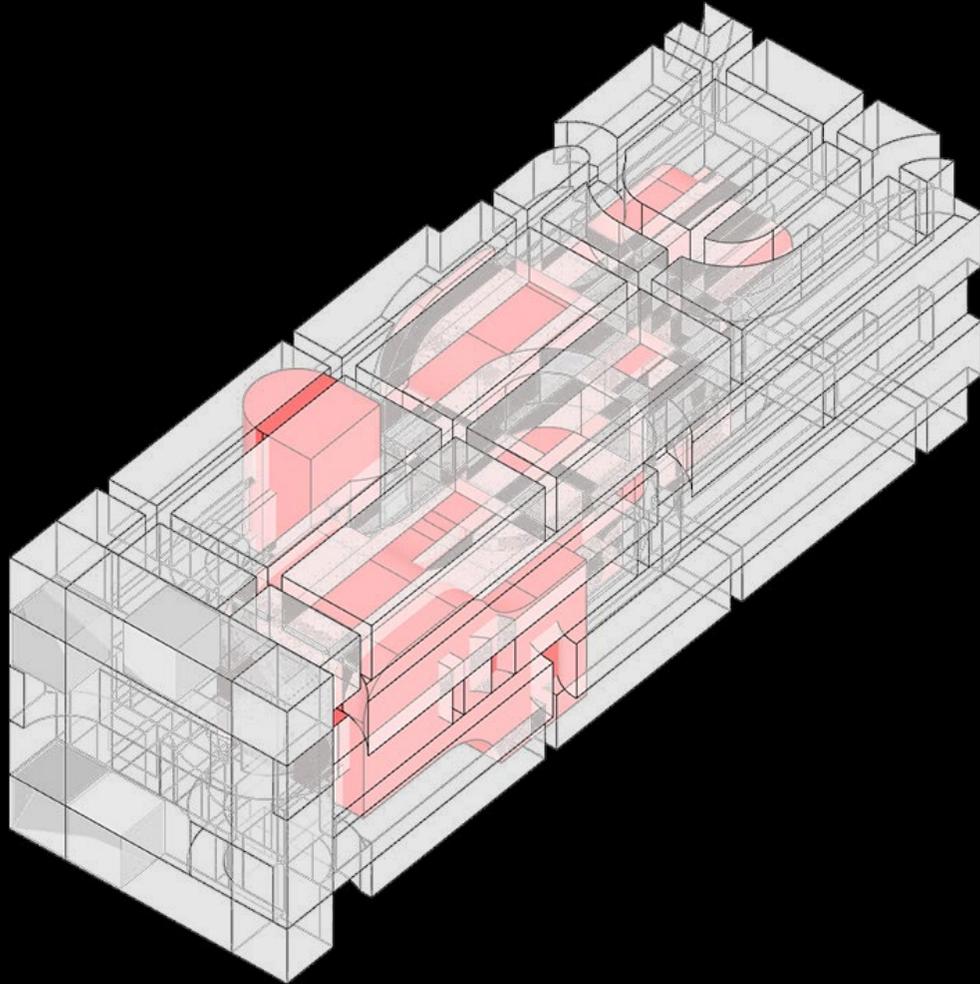
BLURED LIMITS

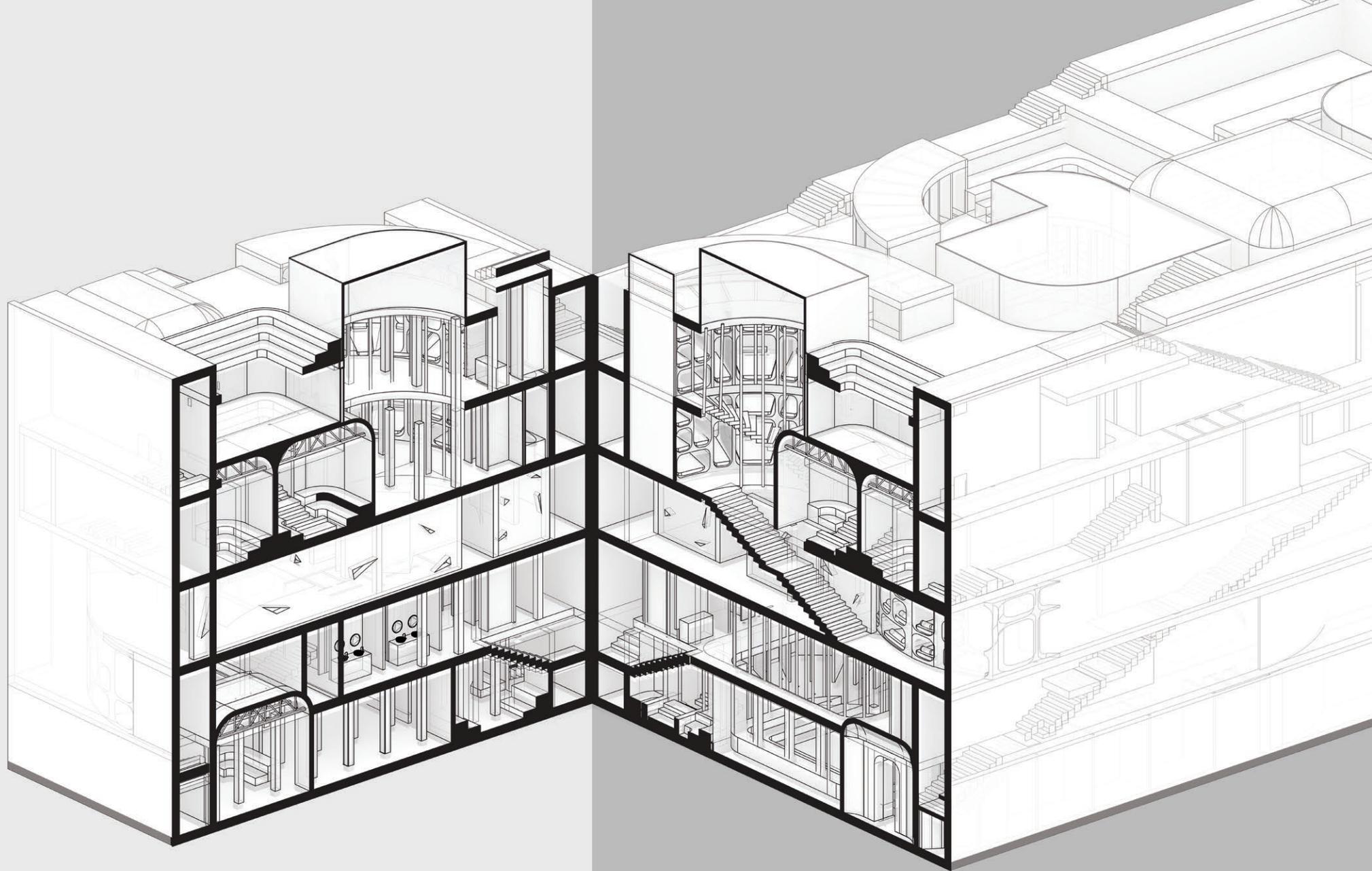


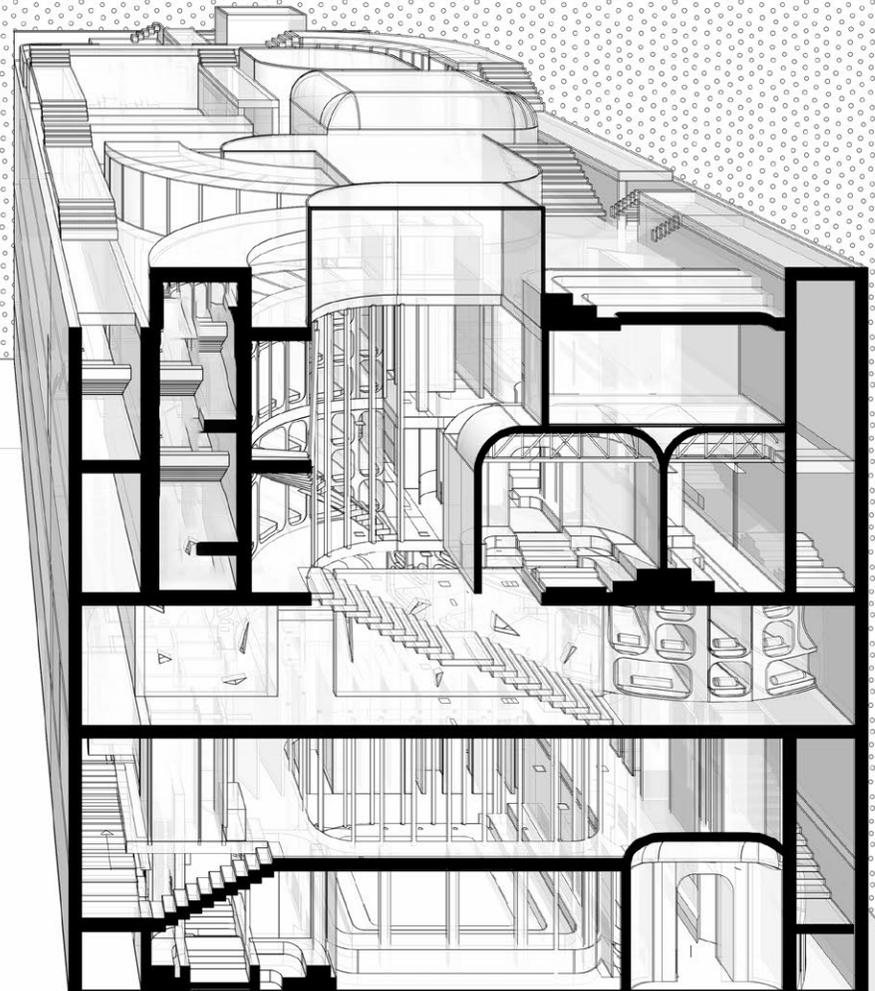
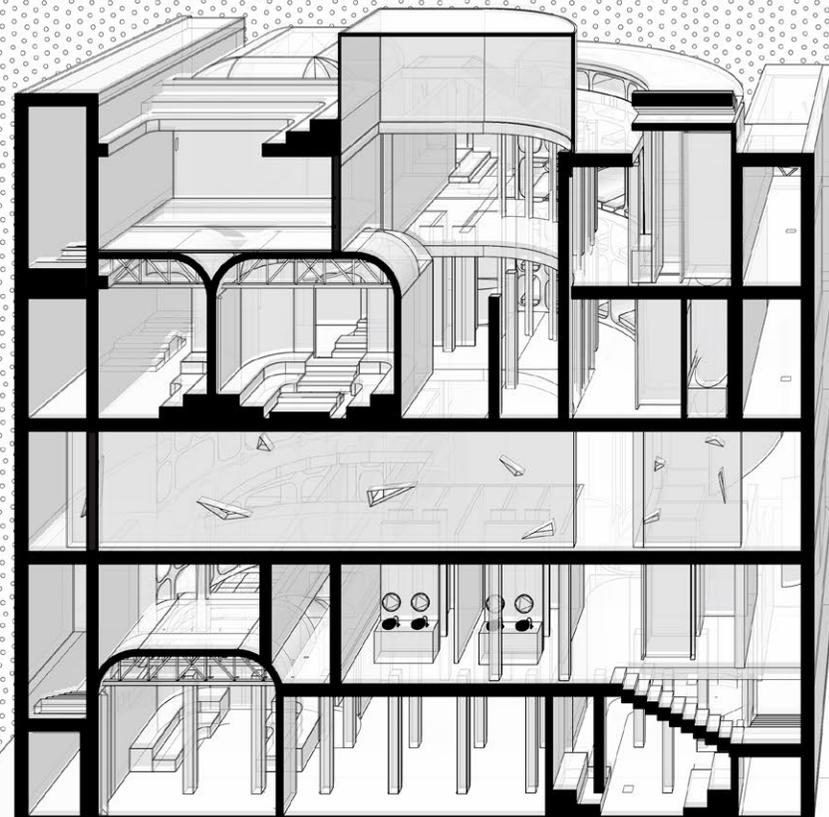
NO CORRIDORS

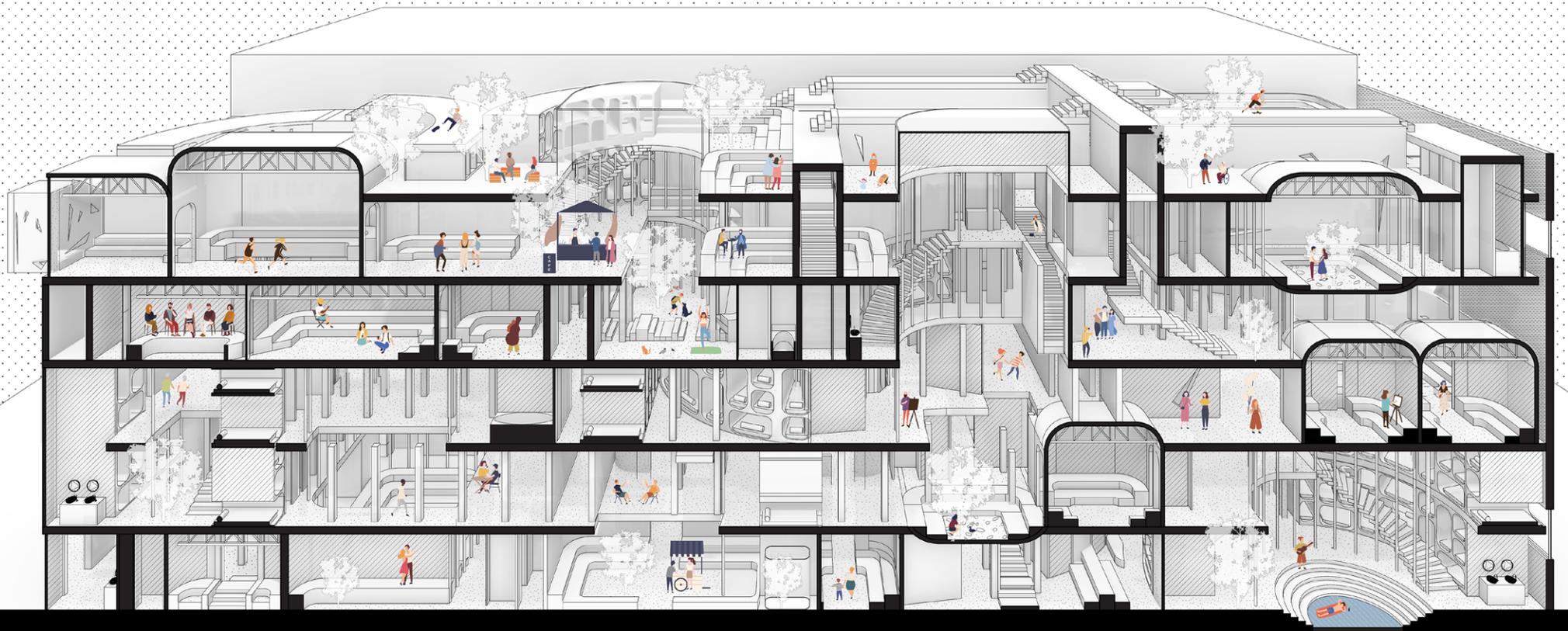


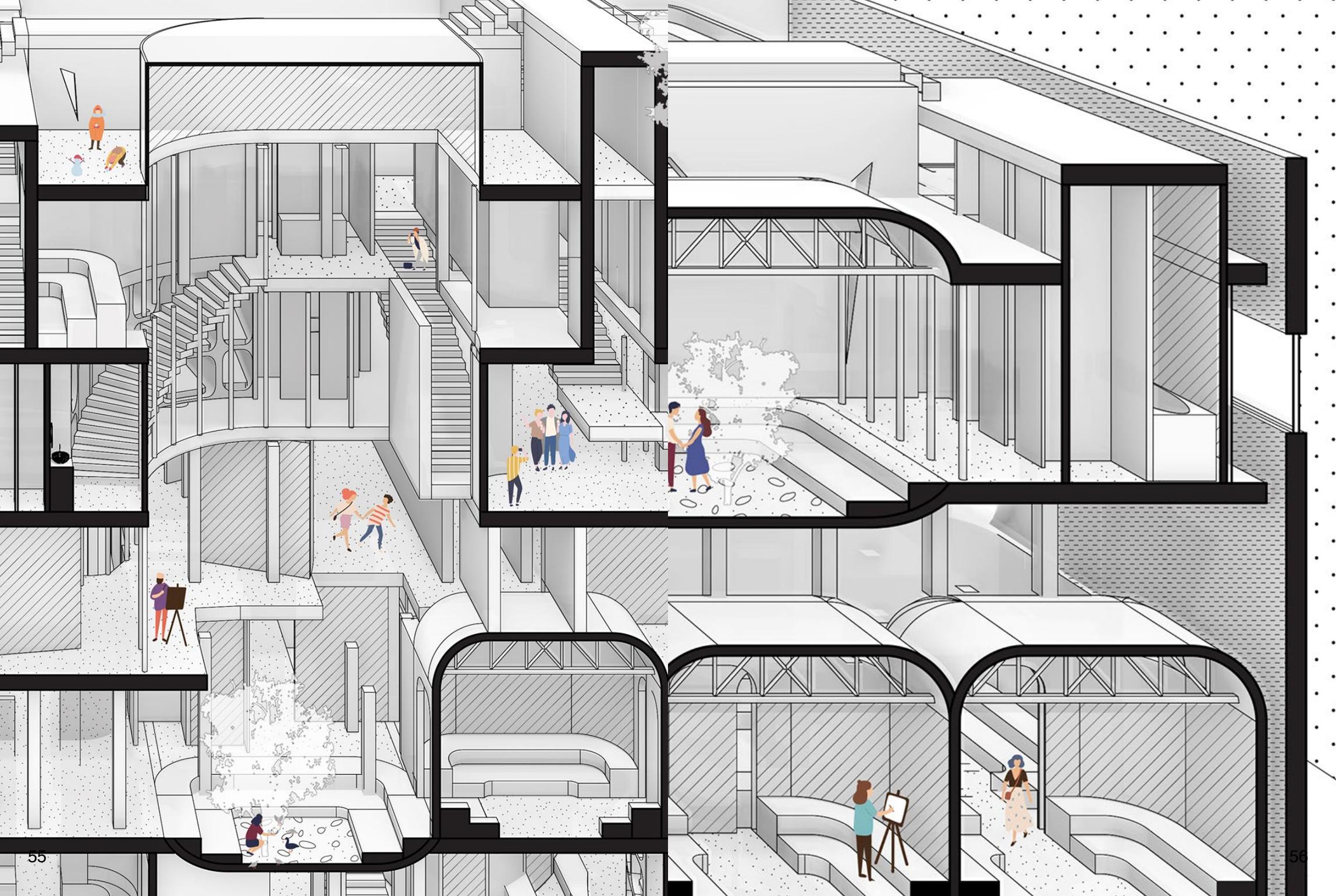
Overlapping Components = Typological Results

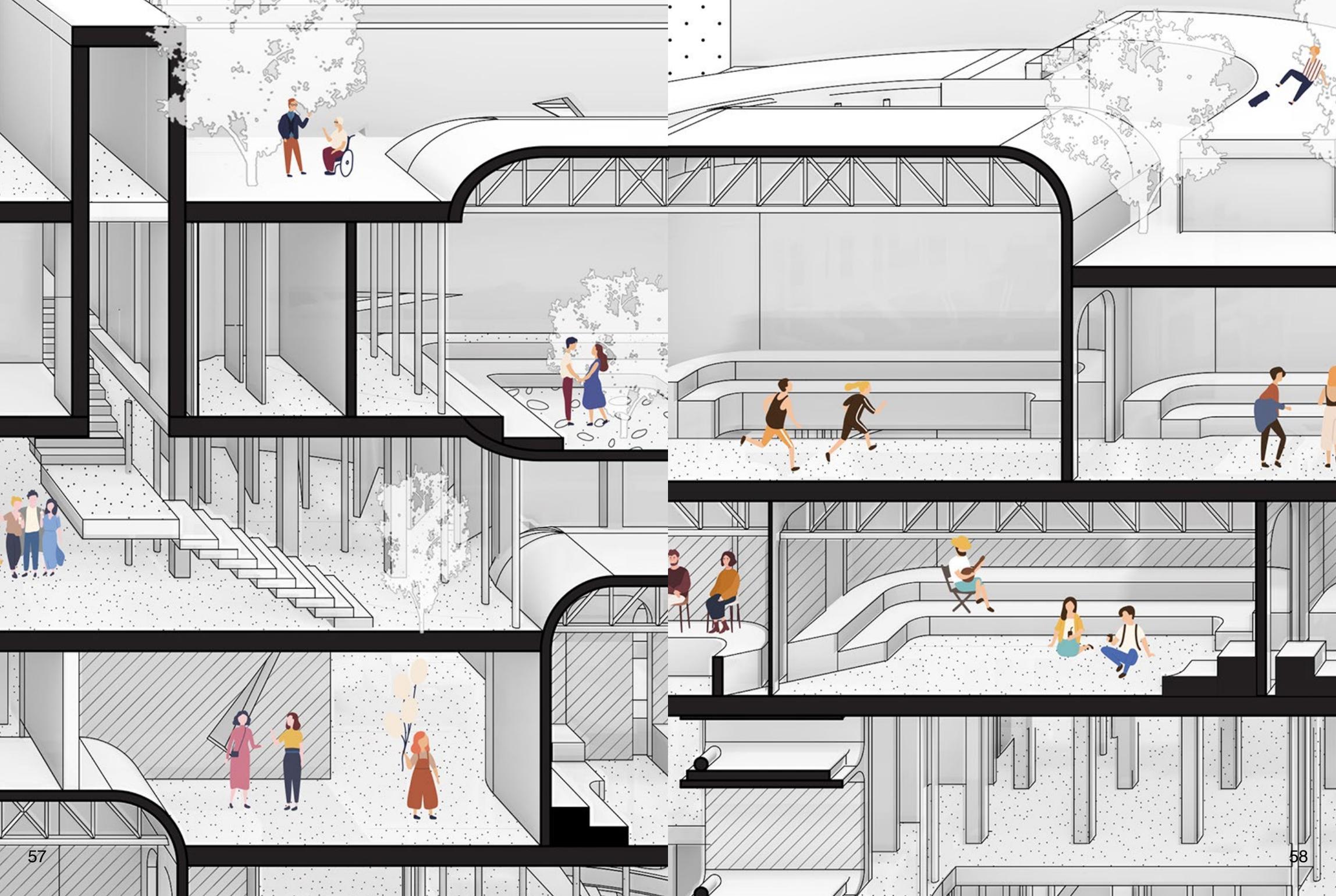


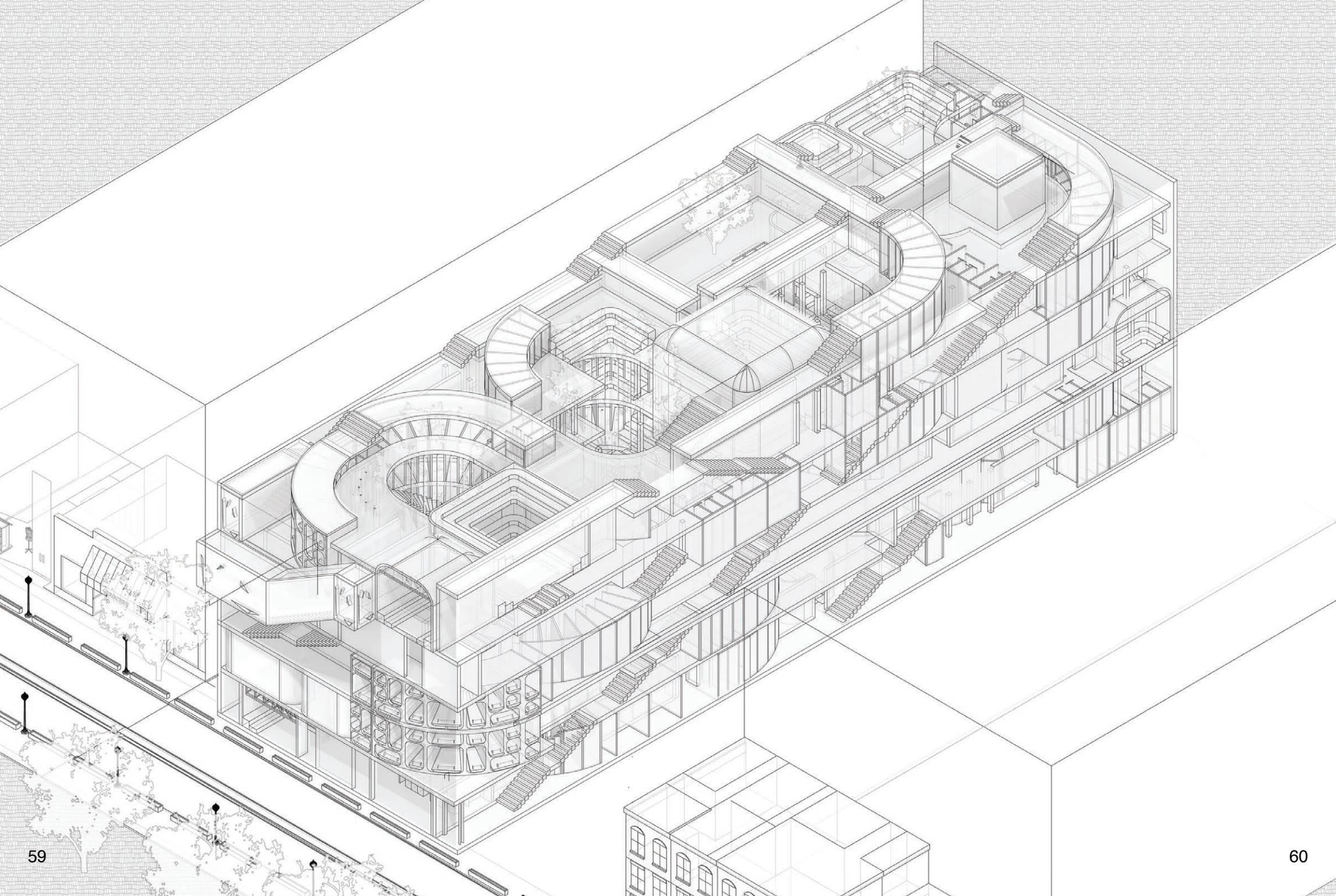






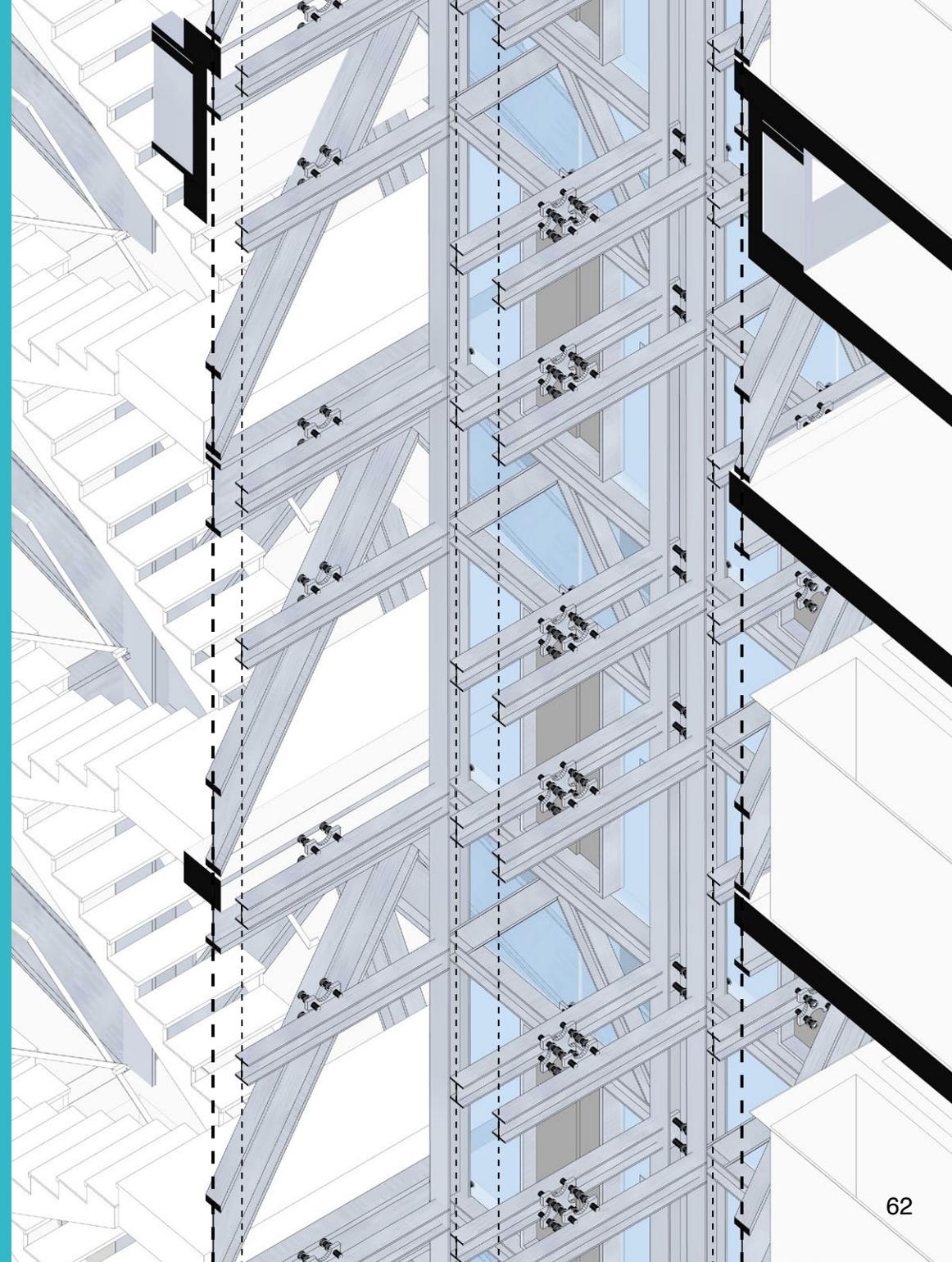




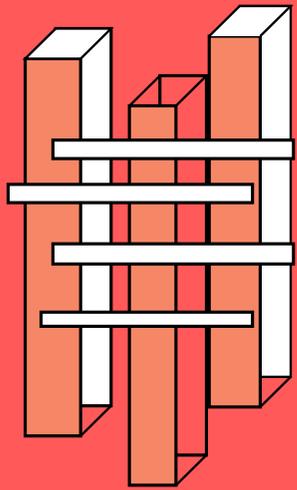


ADV STUDIO VI OPEN WORK

*Enrique Walker
Spring 2020*



From The Metabolists: Cores + Bridges



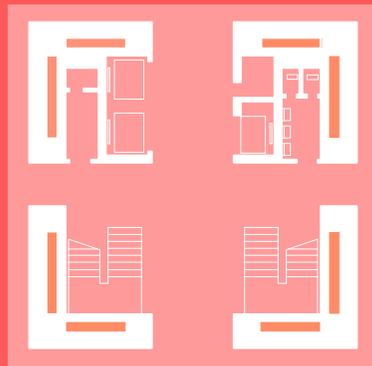
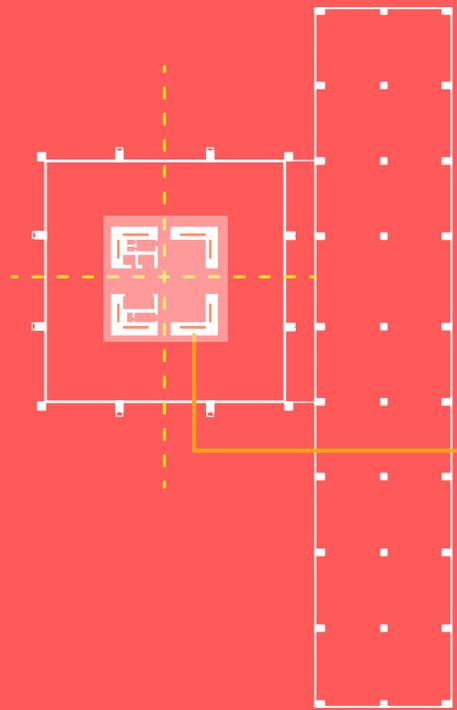
*Precedent
Study*

The metabolist group developed a language of elevating from the ground and emphasizing the supporting structure with a set of cores and horizontal plan. This expression started on a city scale, and was later translated onto the building scale.

On this matter, we studied a series of buildings that have a conversation with each other throughout the years.

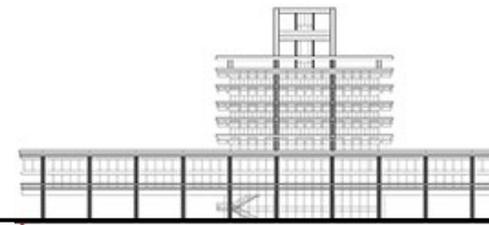
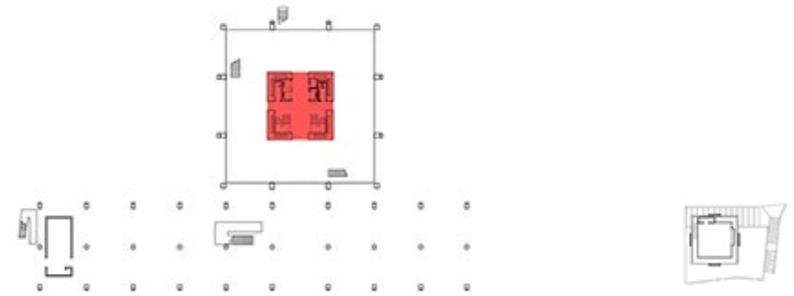
From one centralized enclosed core, to multiple ones, to the Servant and Served quality. These vertical elements have long been celebrated.

But now, Not only the verticality of the core is celebrated. But also its services, mobility and structure



Staircases + Elevators + Restrooms

1958
Kagawa Prefectural Office
Kenzo Tange

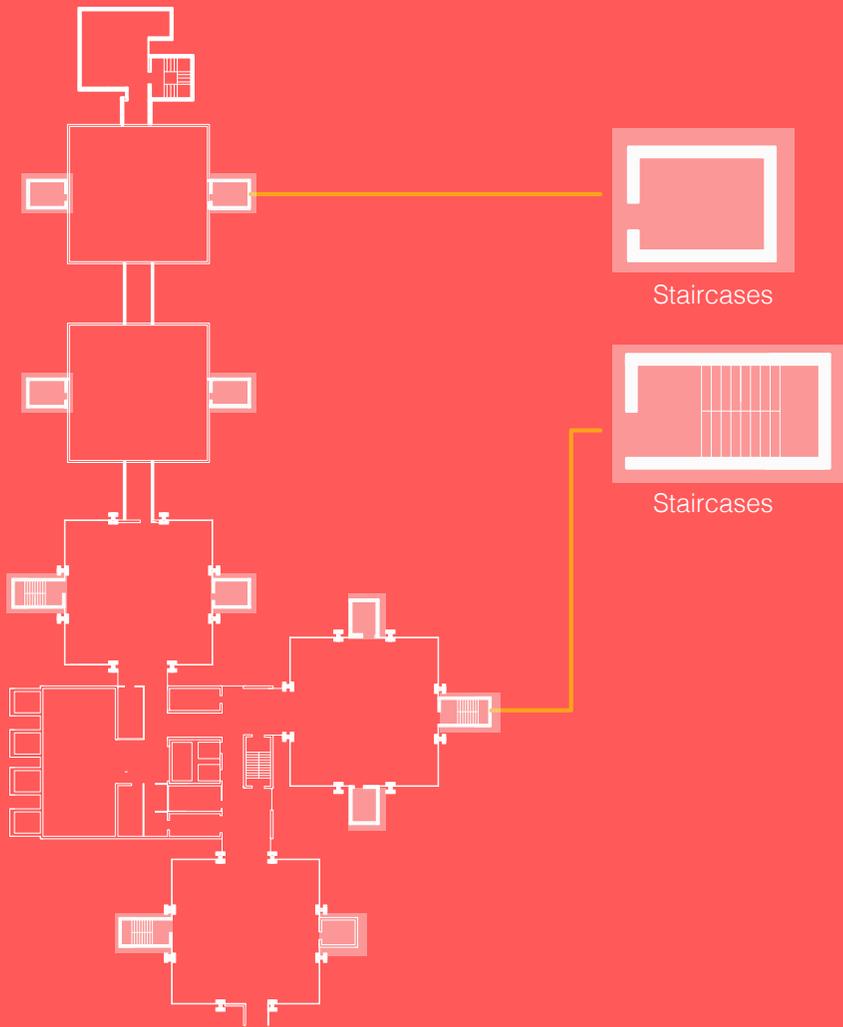


1958

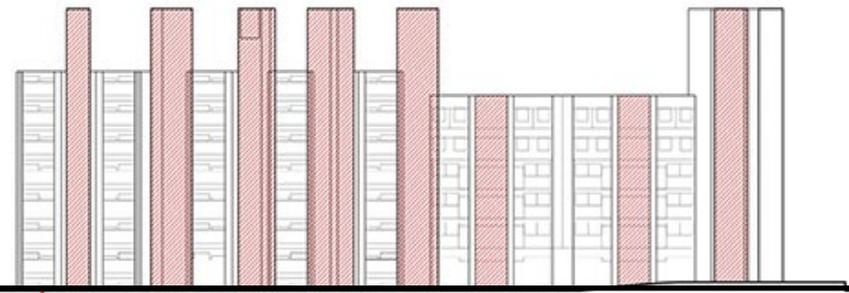
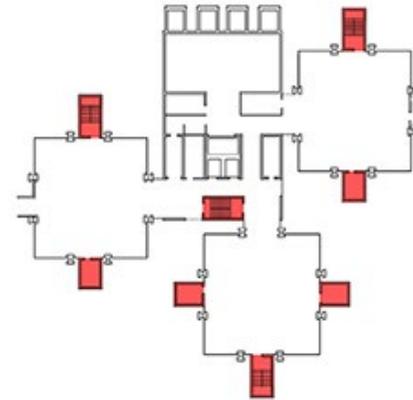


1958

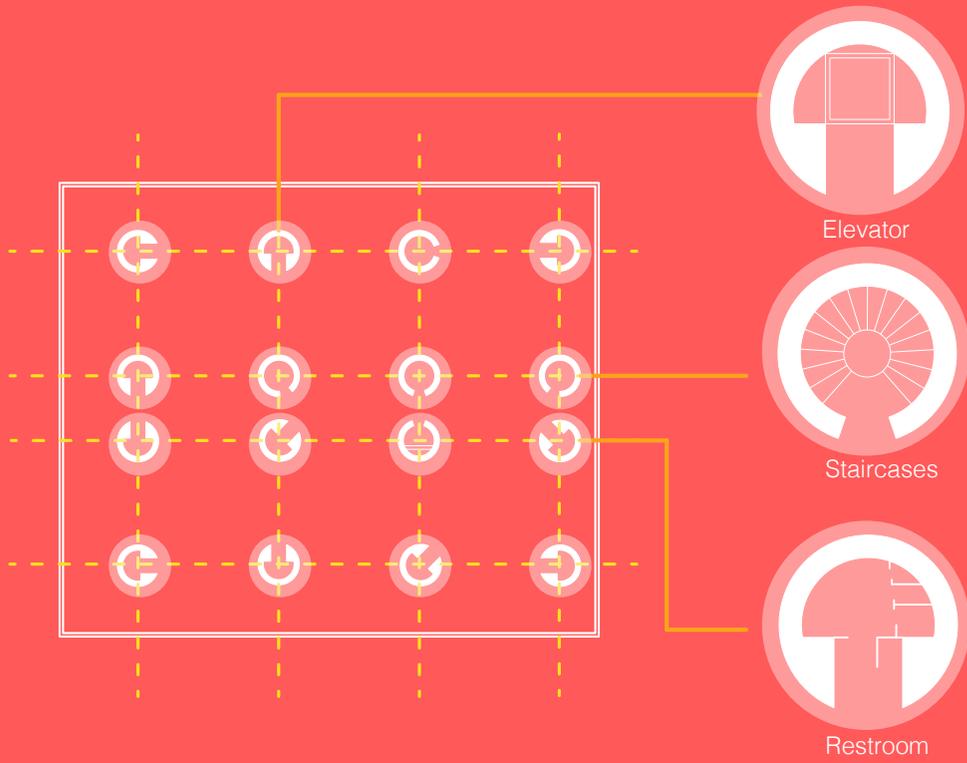
Sky House
Kiyonori Kikutak



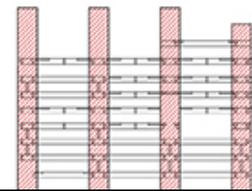
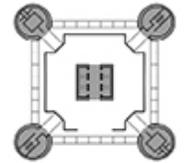
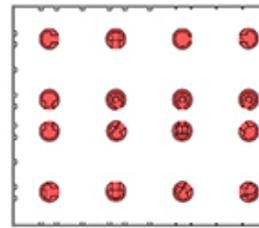
1965
 Richards Medical Research Laboratories
 Louis Kahn



1965



1966
Yamanashi Cultural Hall Building
Kenzo Tange

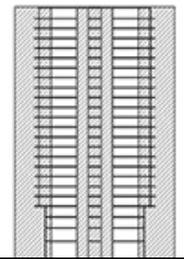


1966



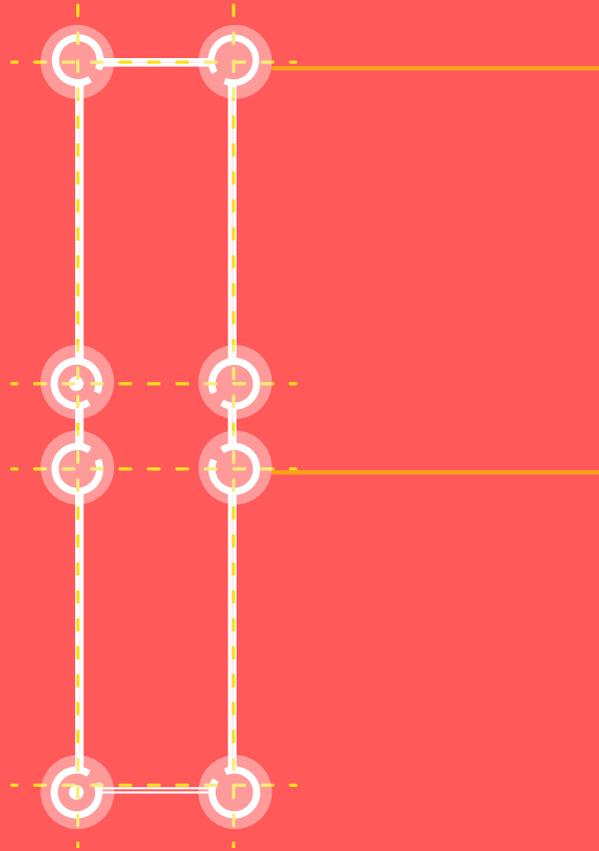
1967

Shizuoka Press and
Broadcasting Center
Kenzo Tange



1969

Knights of Columbus
Kevin Roche

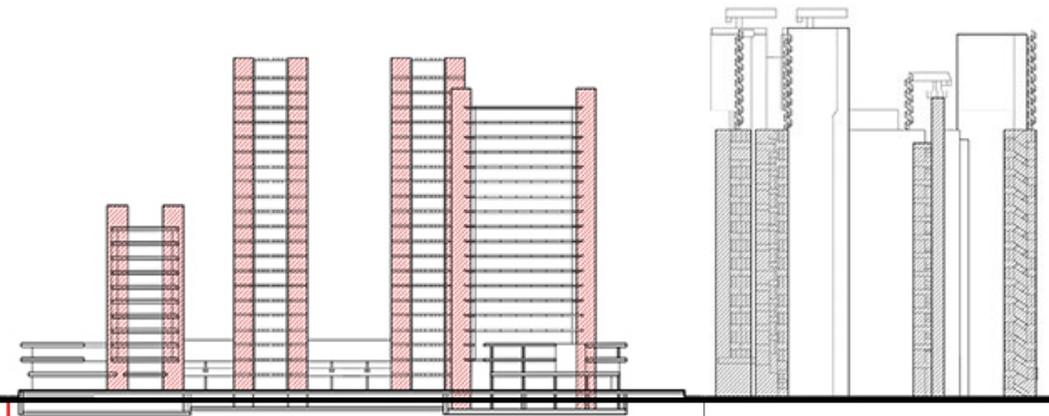
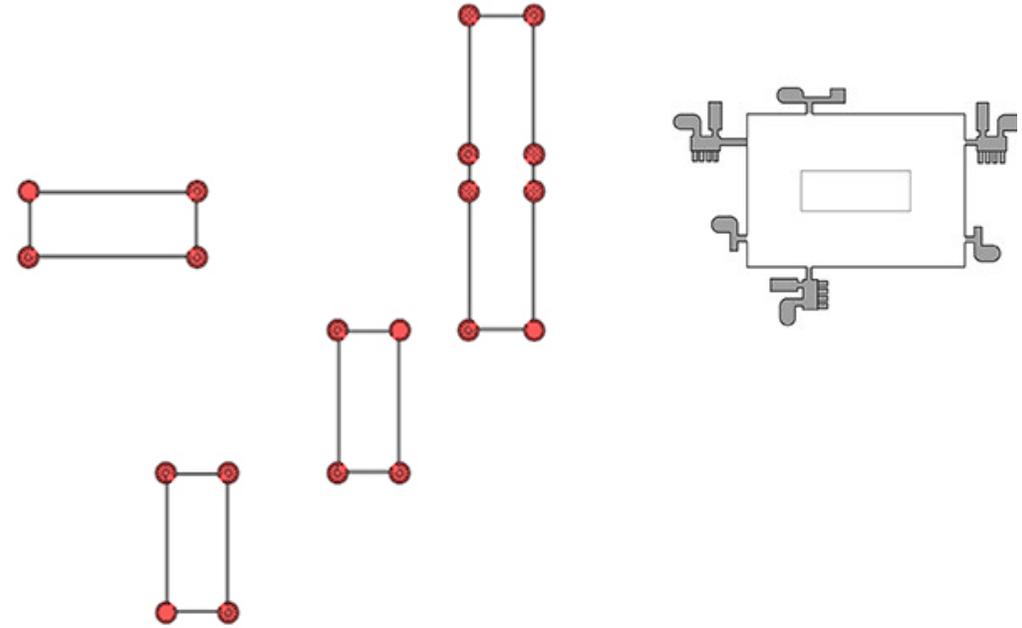


Staircases



Elevator

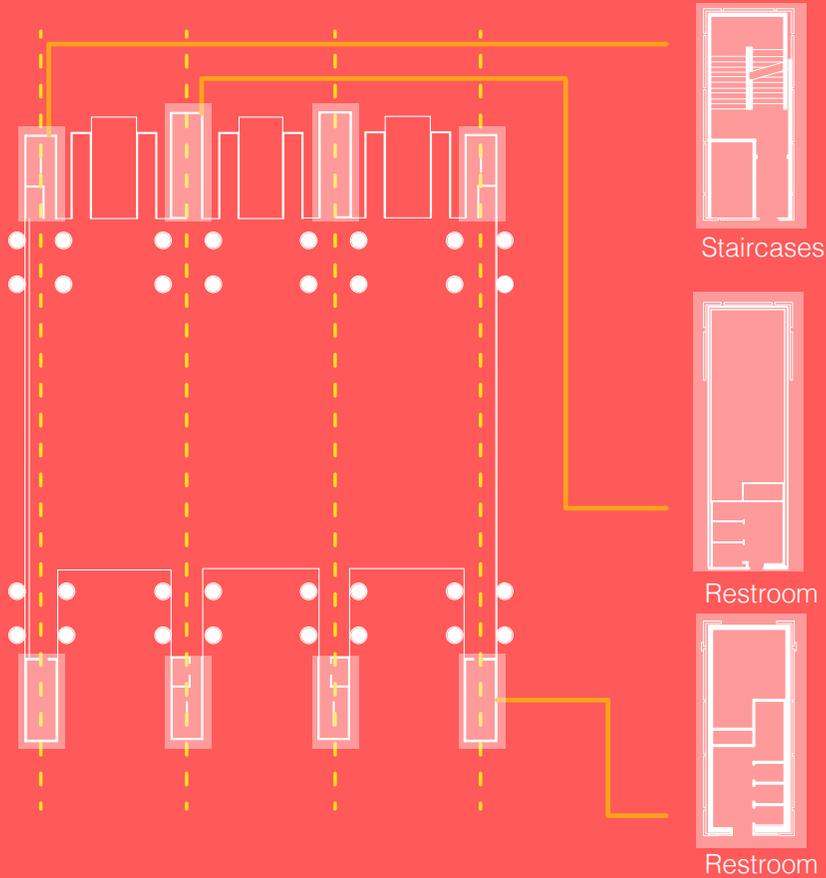
1972
Bologna | Fiera District
Kenzo Tange



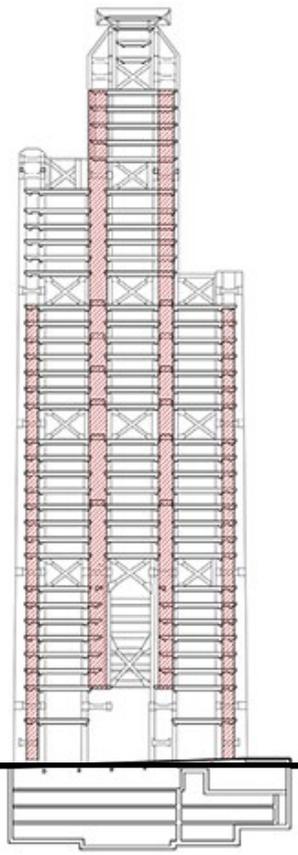
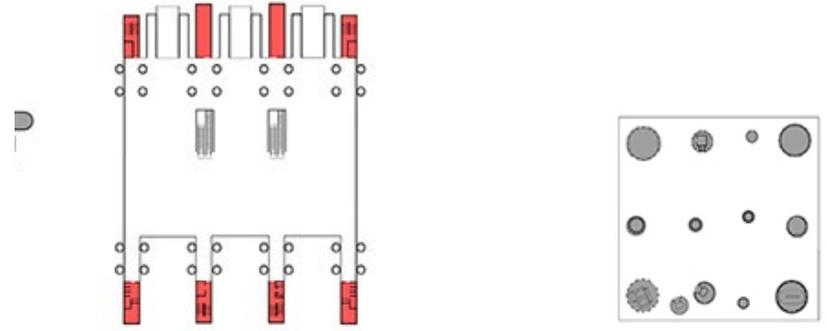
1969

1978

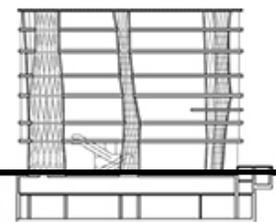
Lloyd's Building
Richard Rogers



1986
 Hongkong and Shanghai Bank Headquarters
 Norman Foster



1986



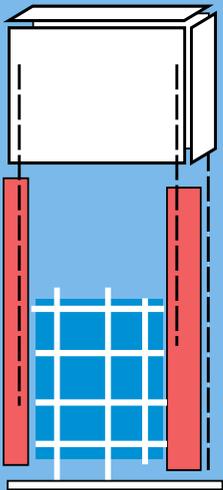
2001

Sendai Mediatheque
 Toyo Ito

Dentsu Headquarters, Kenzo Tange

PROGRAMATIC AND CONCEPTUAL APPROACH

STUDENT LOUNGE / WATER RESEARCH CENTER
CONFIGURABLE BUILDING / ARCHITECTURAL RESEARCH TOOL
PROFILES + CONTAINERS / FREE SETUP PERFORMANCES

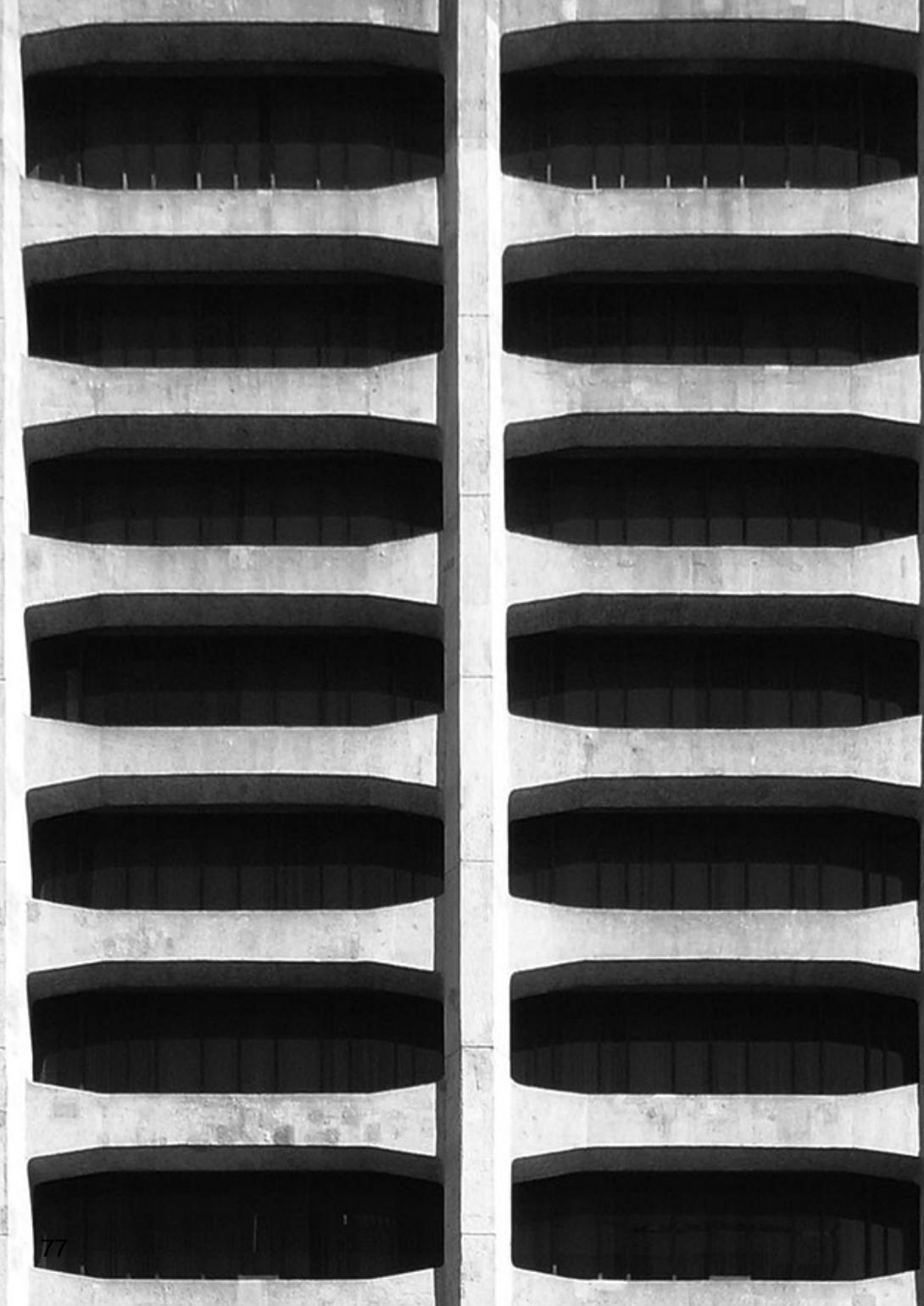


*A Building
On Top of a Building*

Dentsu Headquarters was originally envisioned to create a condition in which the city would happen below as programs float above. We aim to bring back this public quality. Now, services, mobility and structure engage with the public.

We push the original program above. Hang our floors slab from a main truss. They now appear lighter. Our glass box is connected to the air square, while independent at the same time.

By introducing a public square in our now void original structure. We bring the city up. Users are invited to transit the air square. The building is now open to the public. Flexibility, light and movement become the new language.

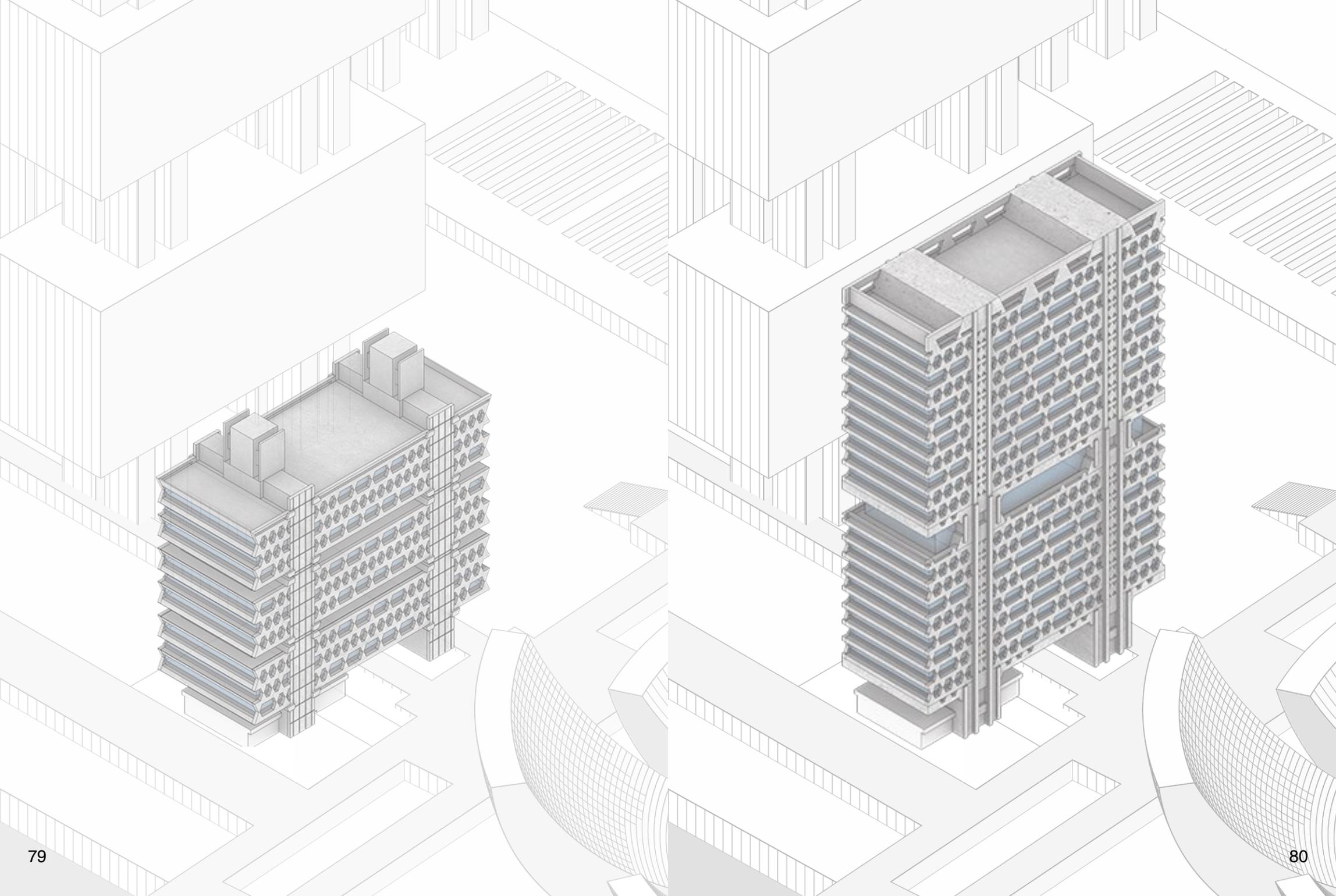


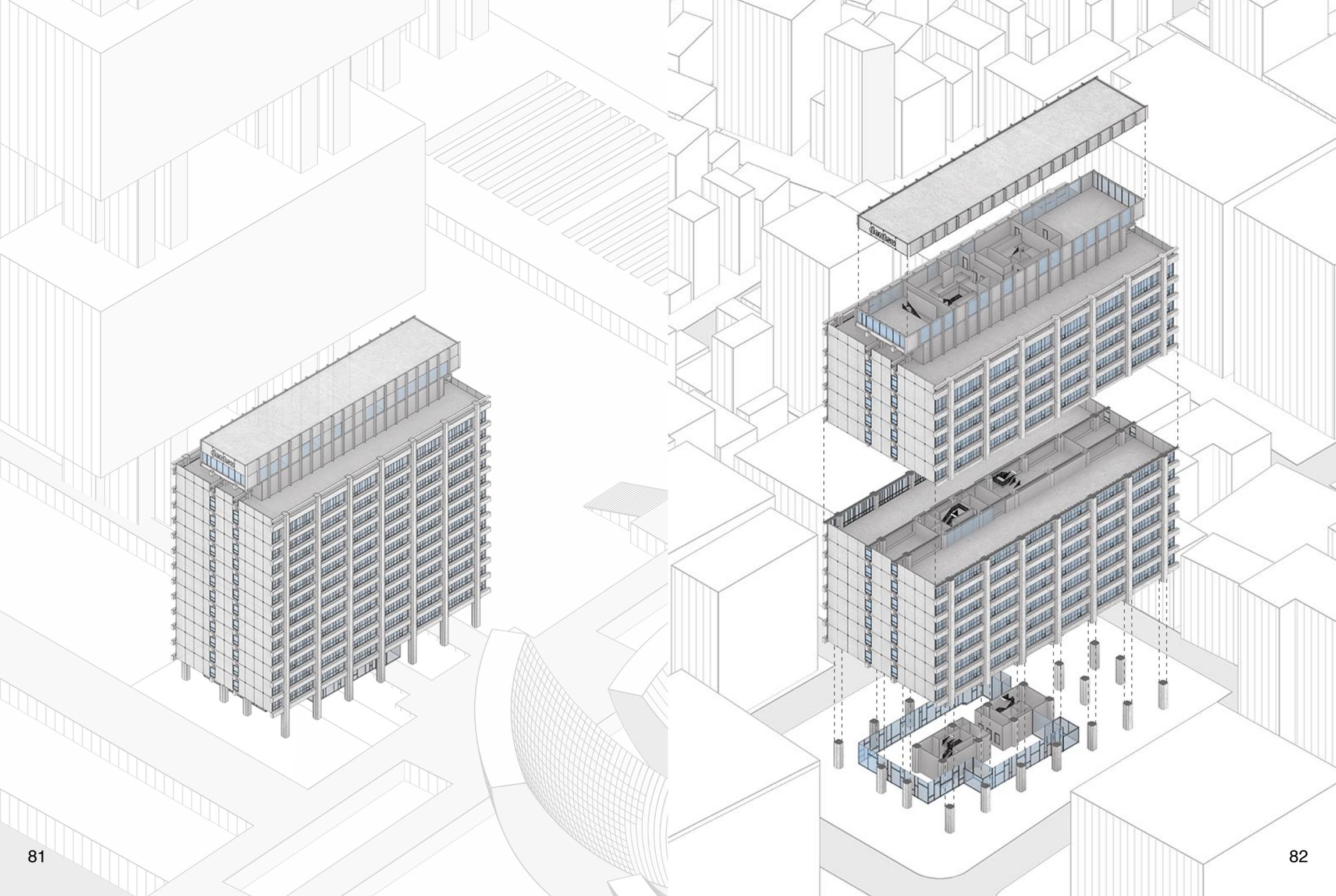
MAIN OFFICE OF THE DENTSU ADVERTISING CO.

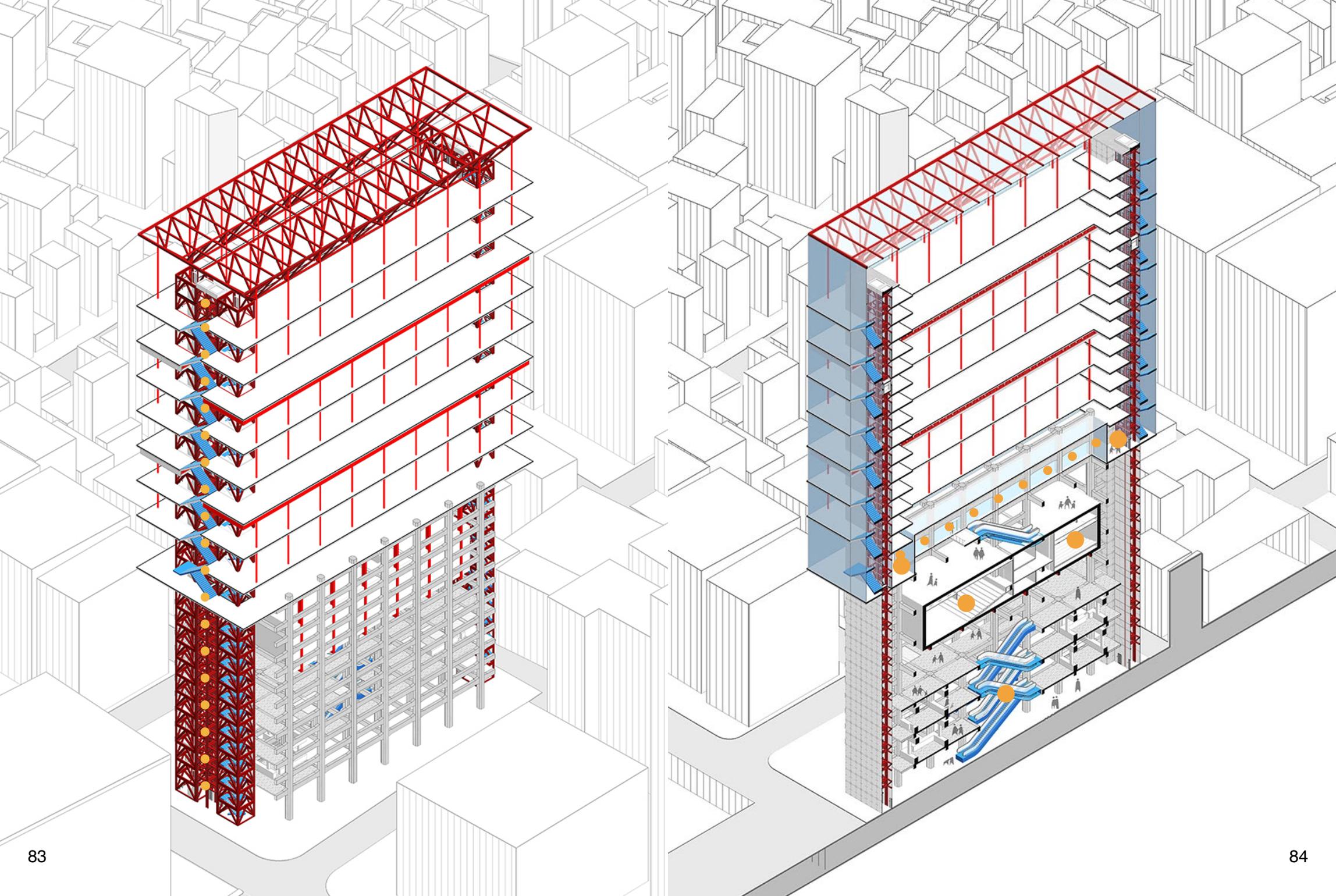
Chuo Ward, Tokyo

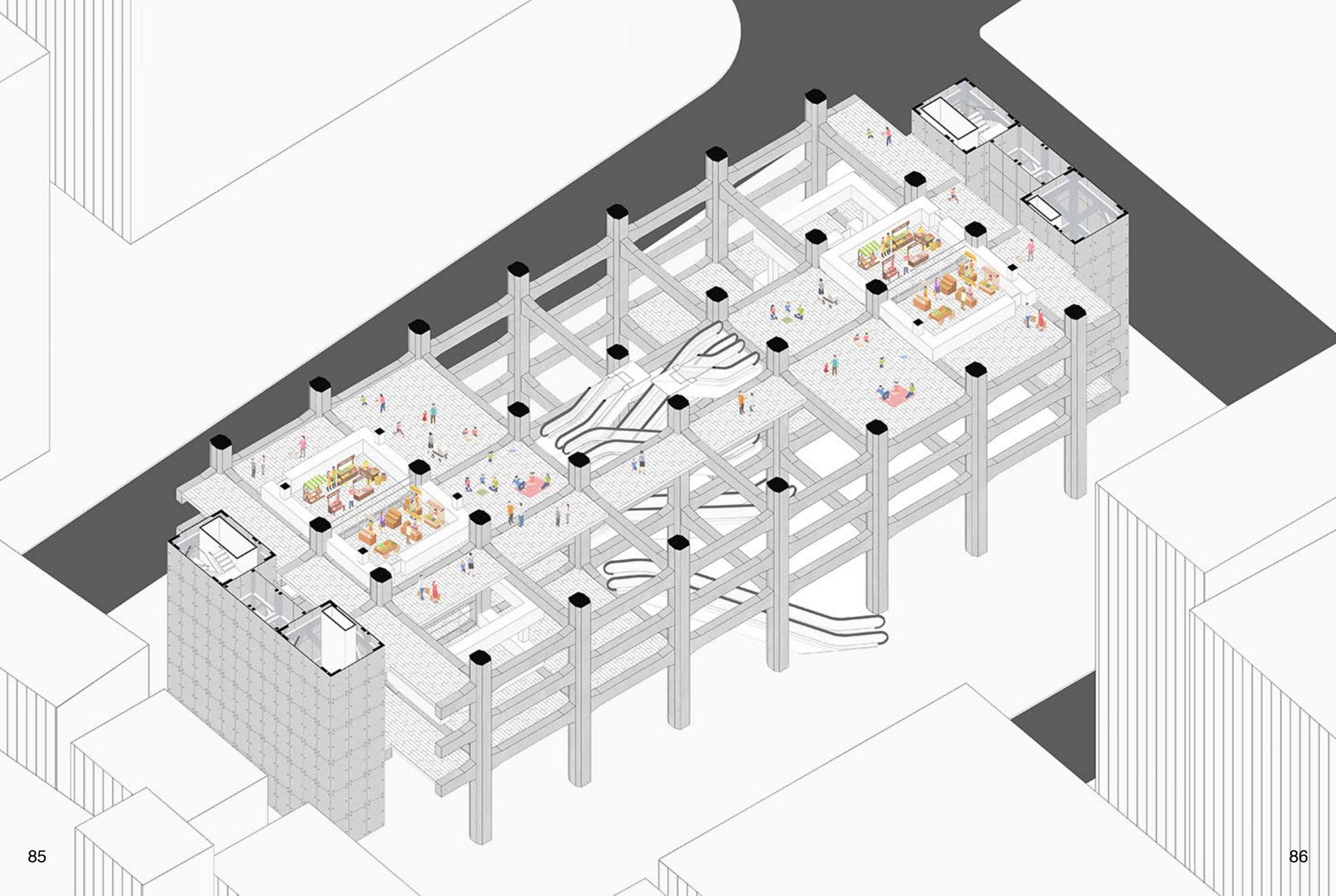
design: Kenzo Tange and the Urbanists and Architects Team



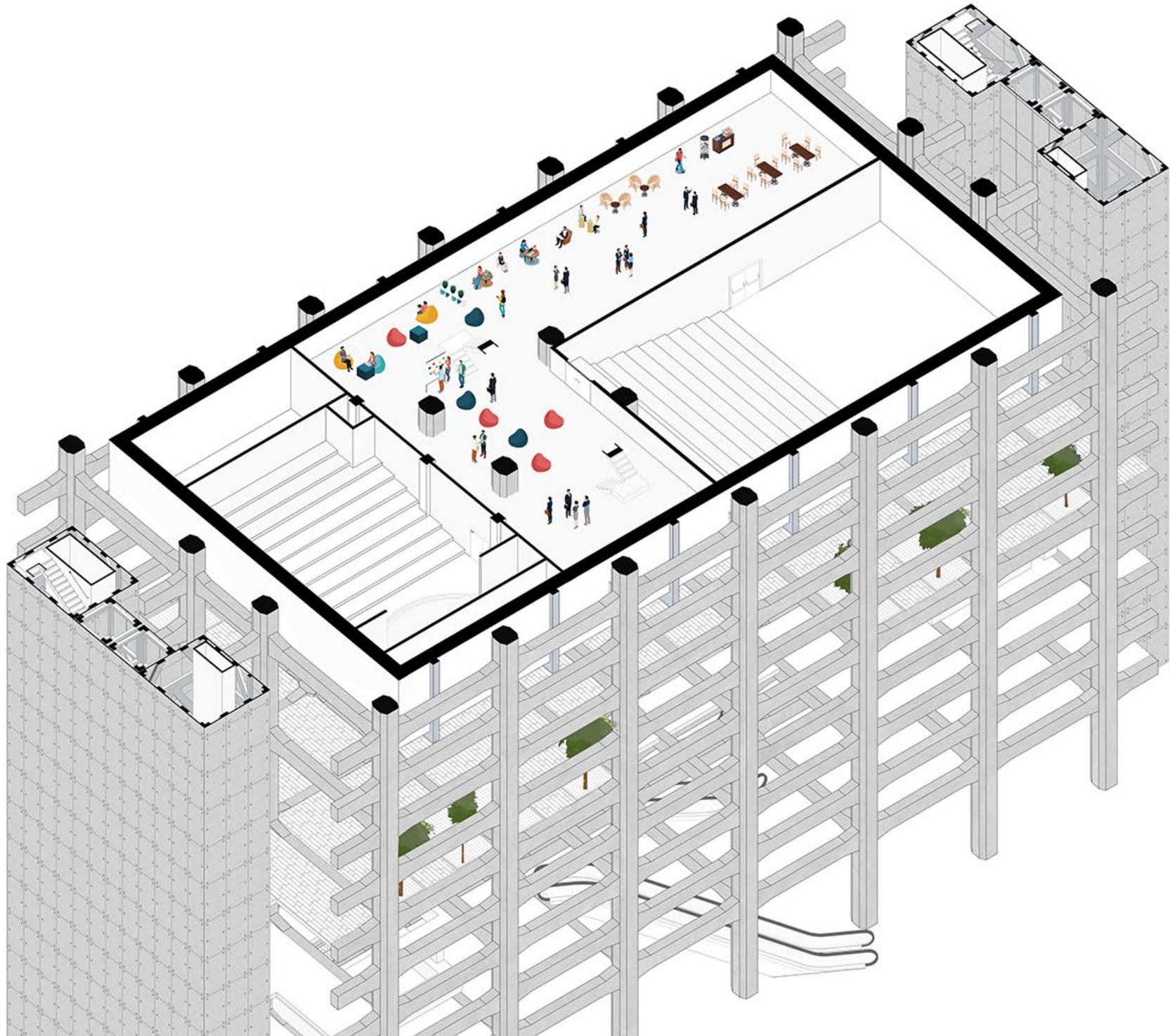


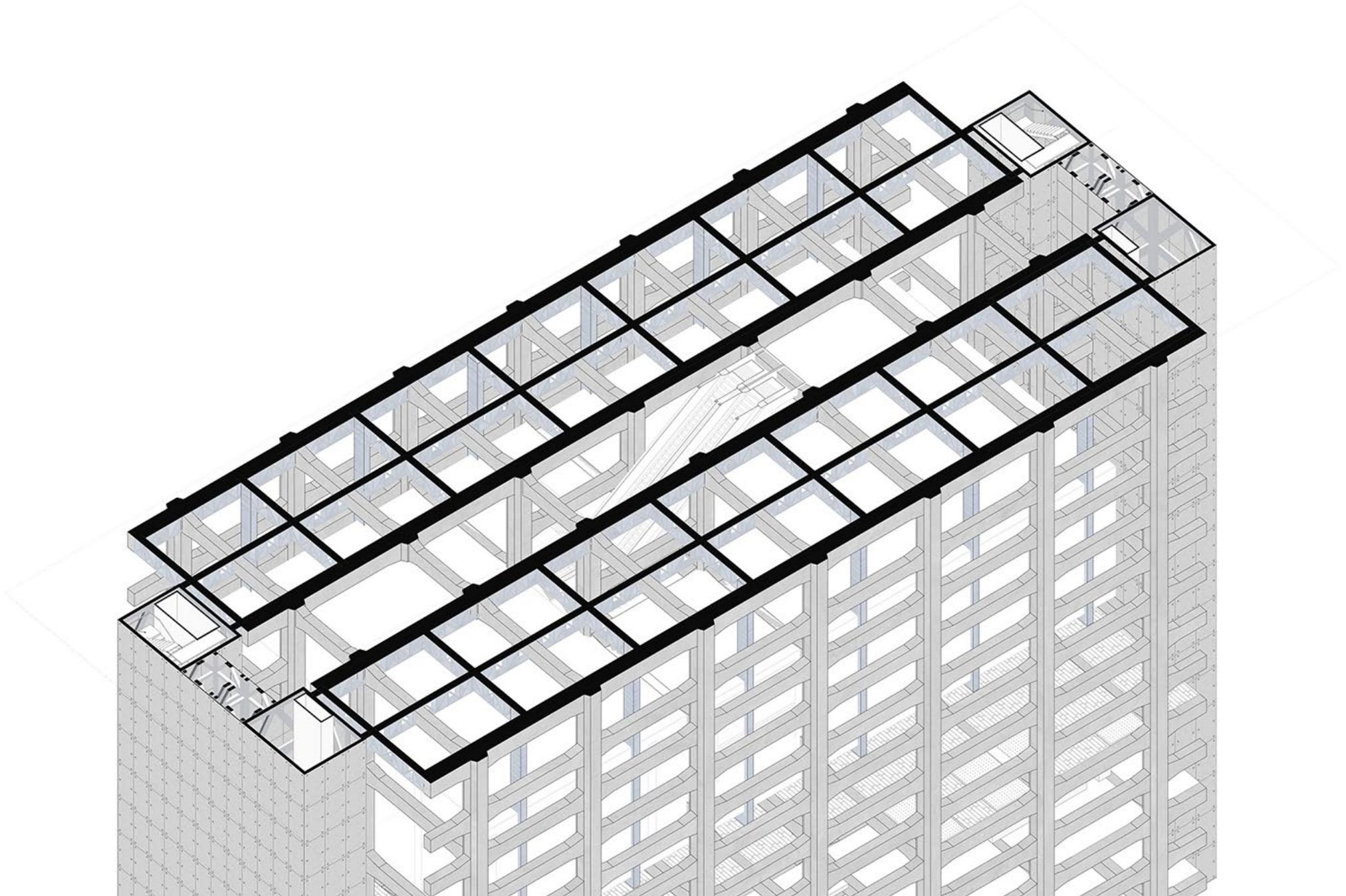


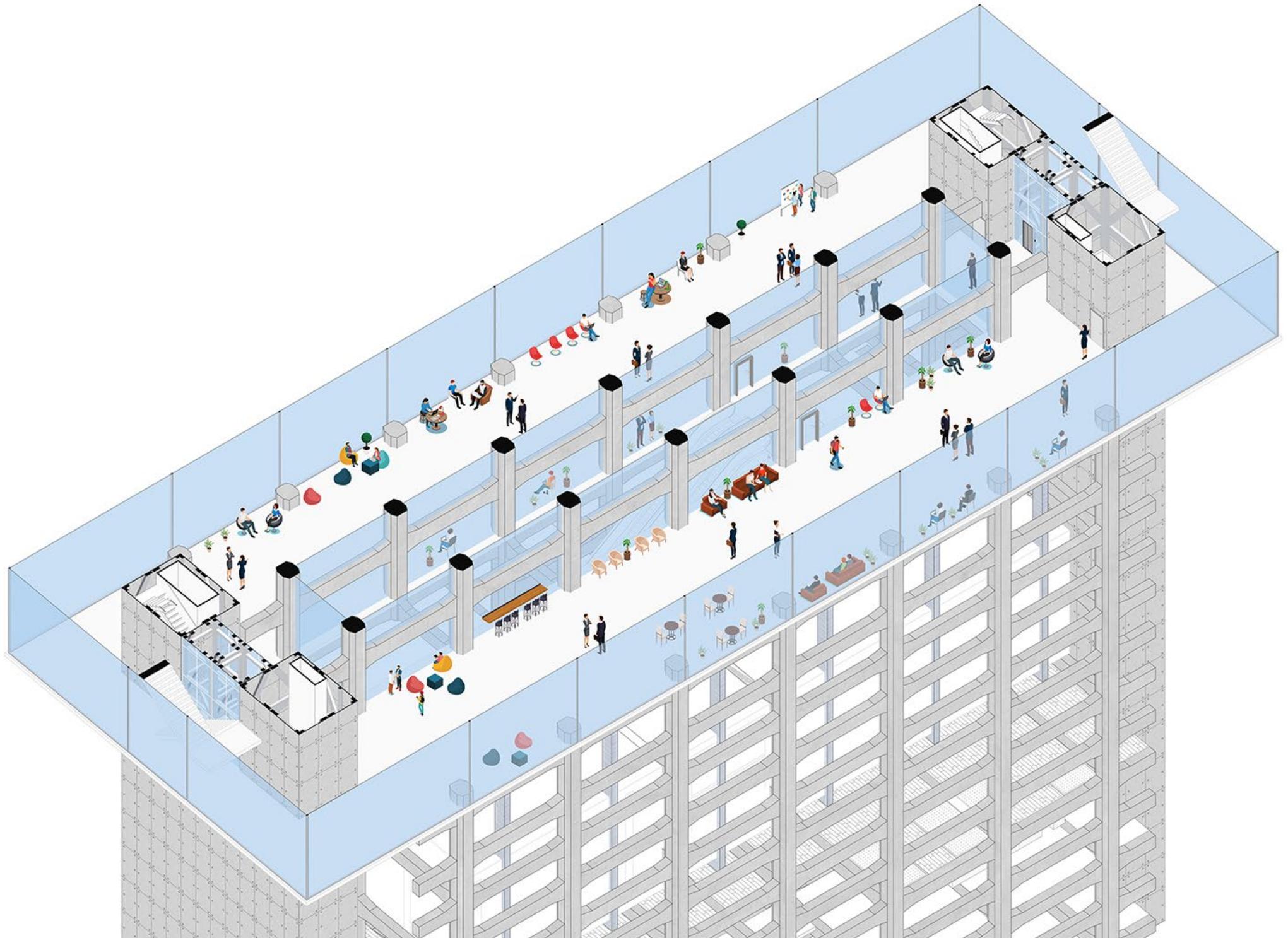


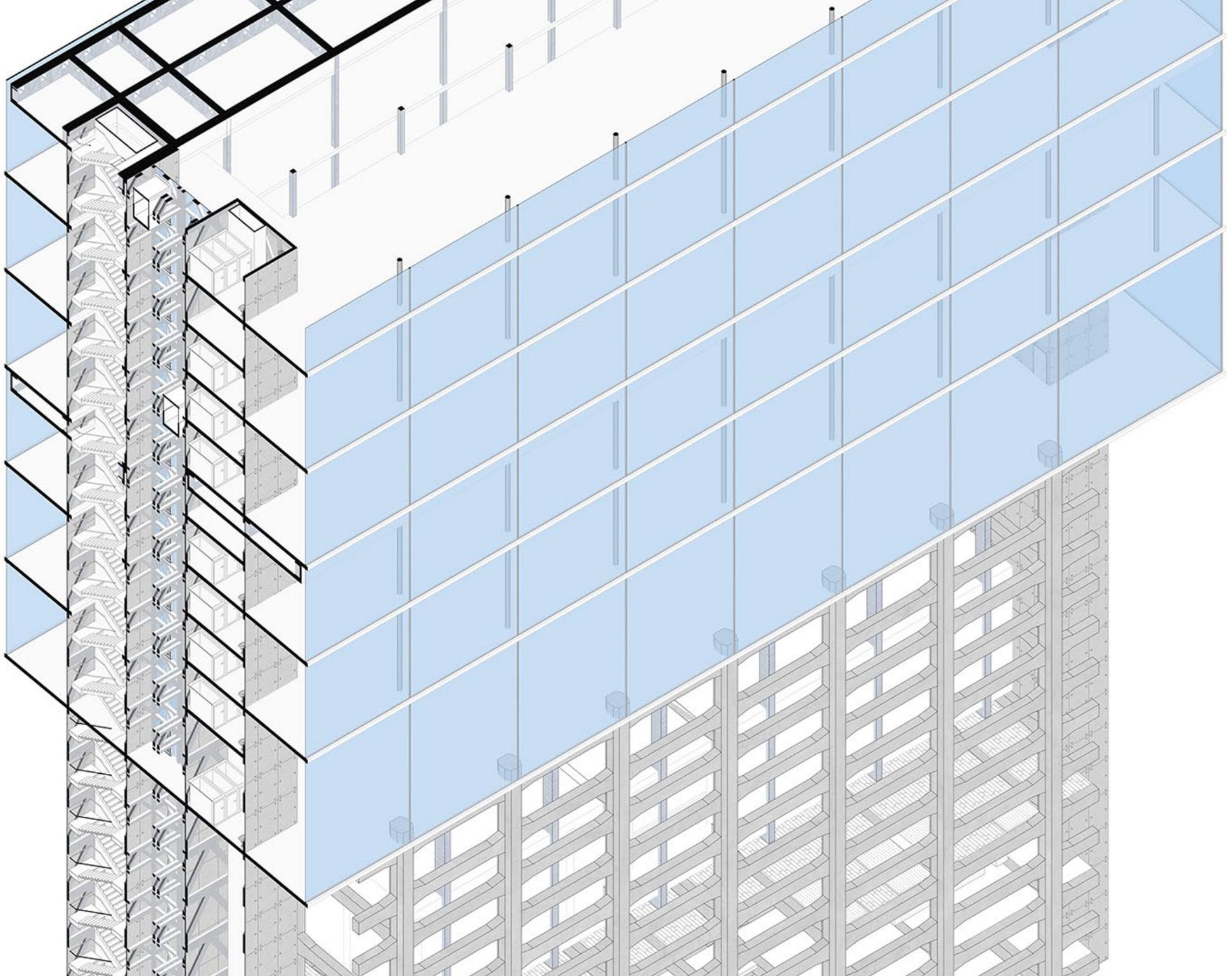


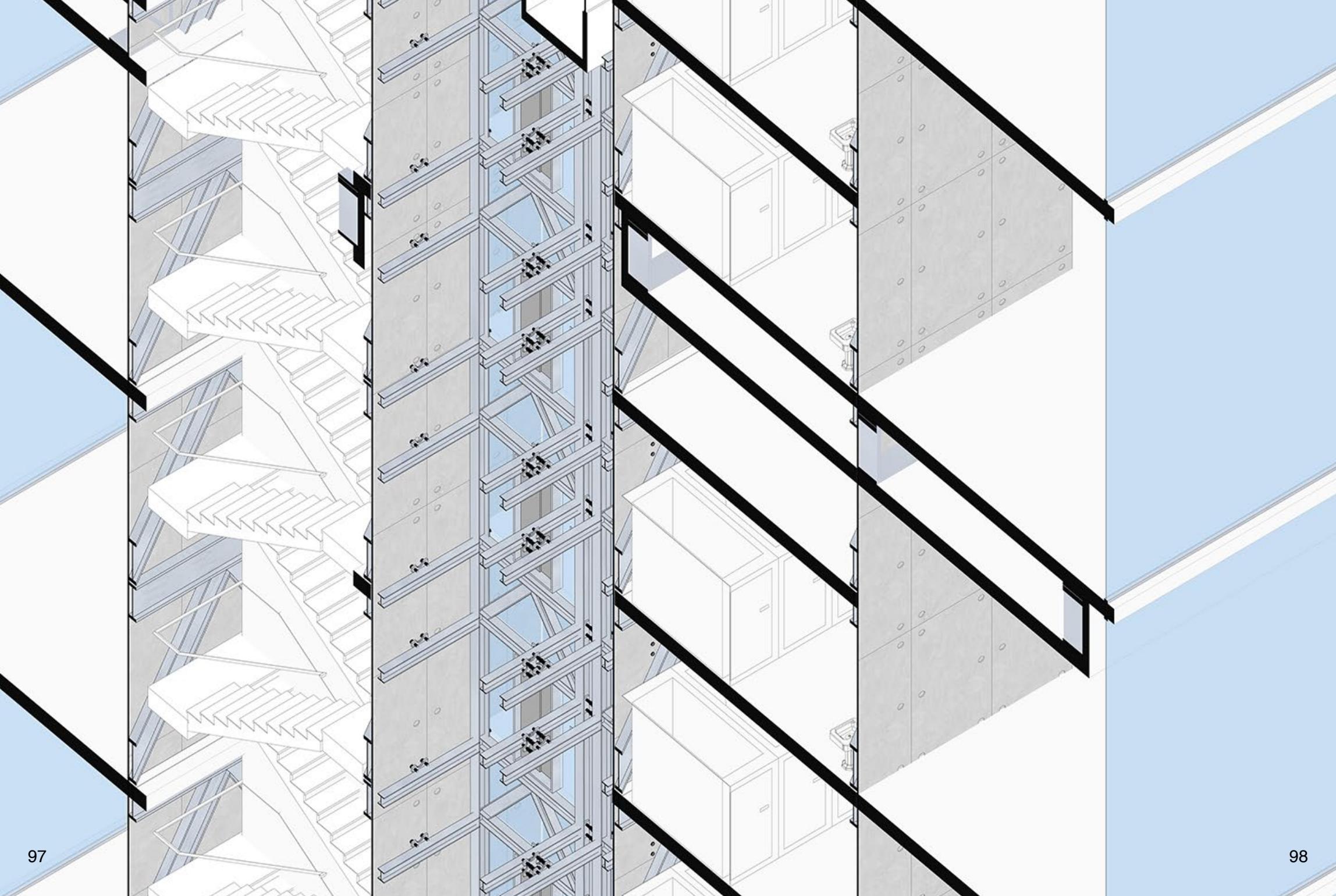


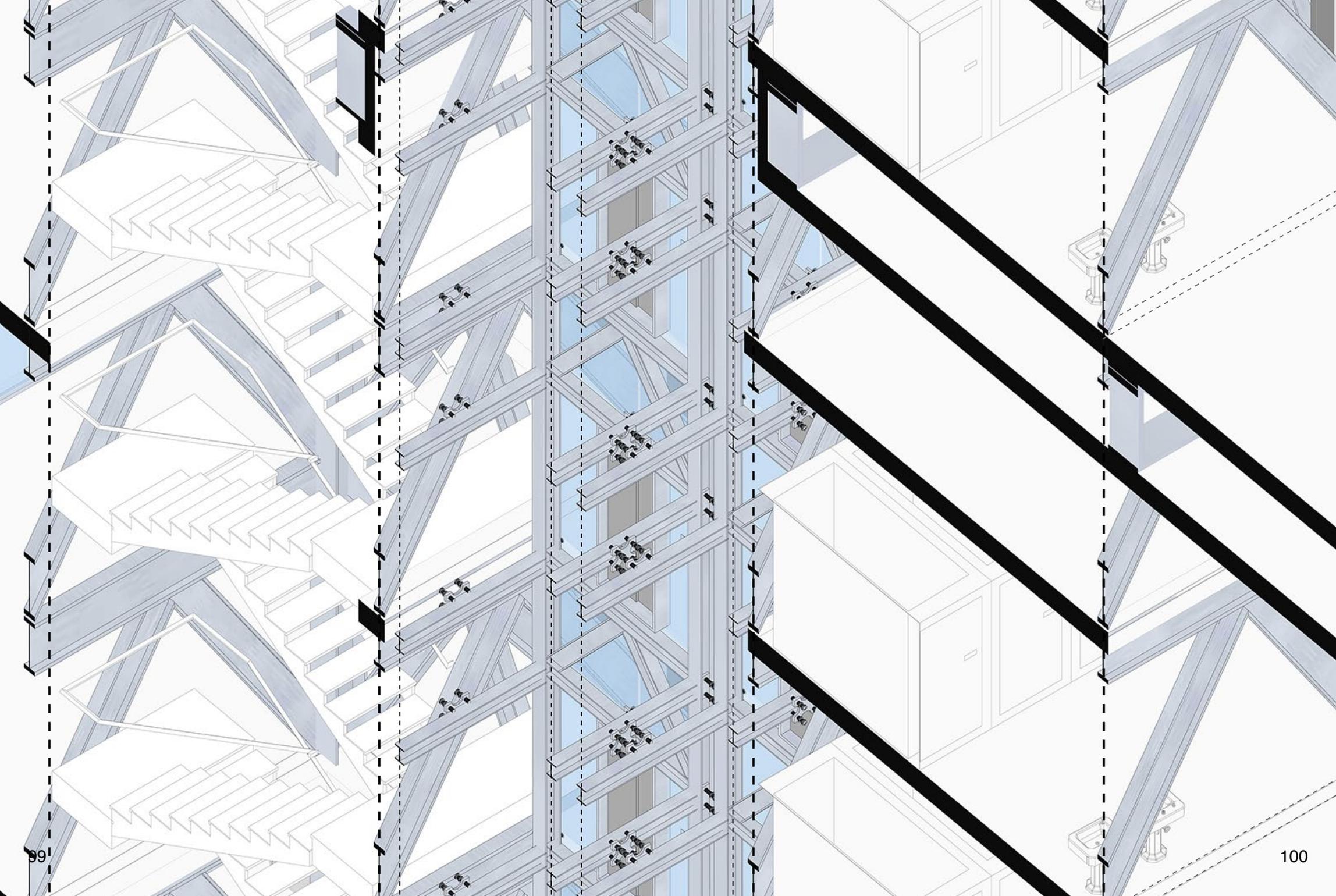








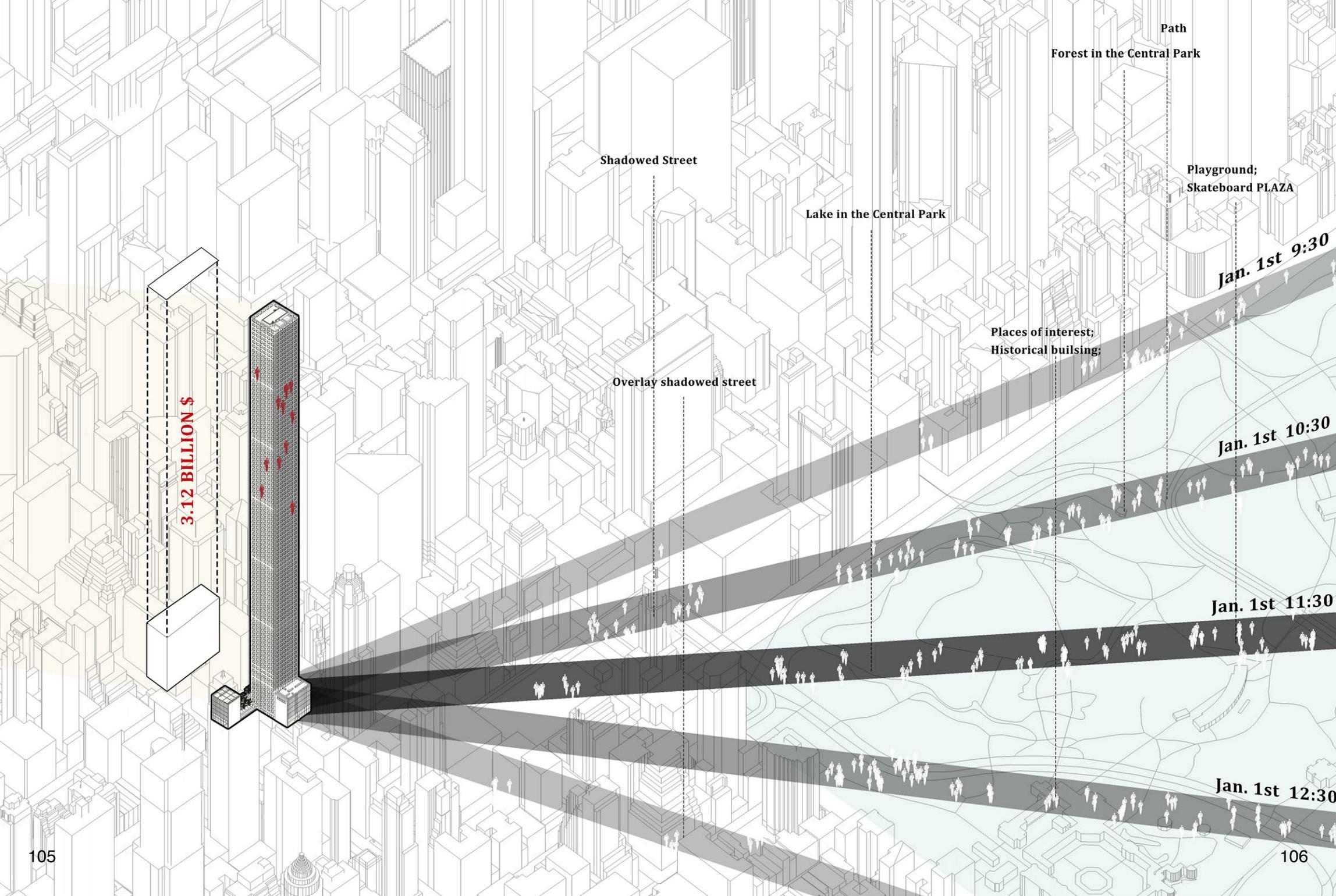




PART II. GSAPP ELECTIVES

Arguments
Transcalarities
Techniques of the Ultrareal
Super Tall





3.12 BILLION \$

Shadowed Street

Overlay shadowed street

Lake in the Central Park

Forest in the Central Park

Places of interest;
Historical building;

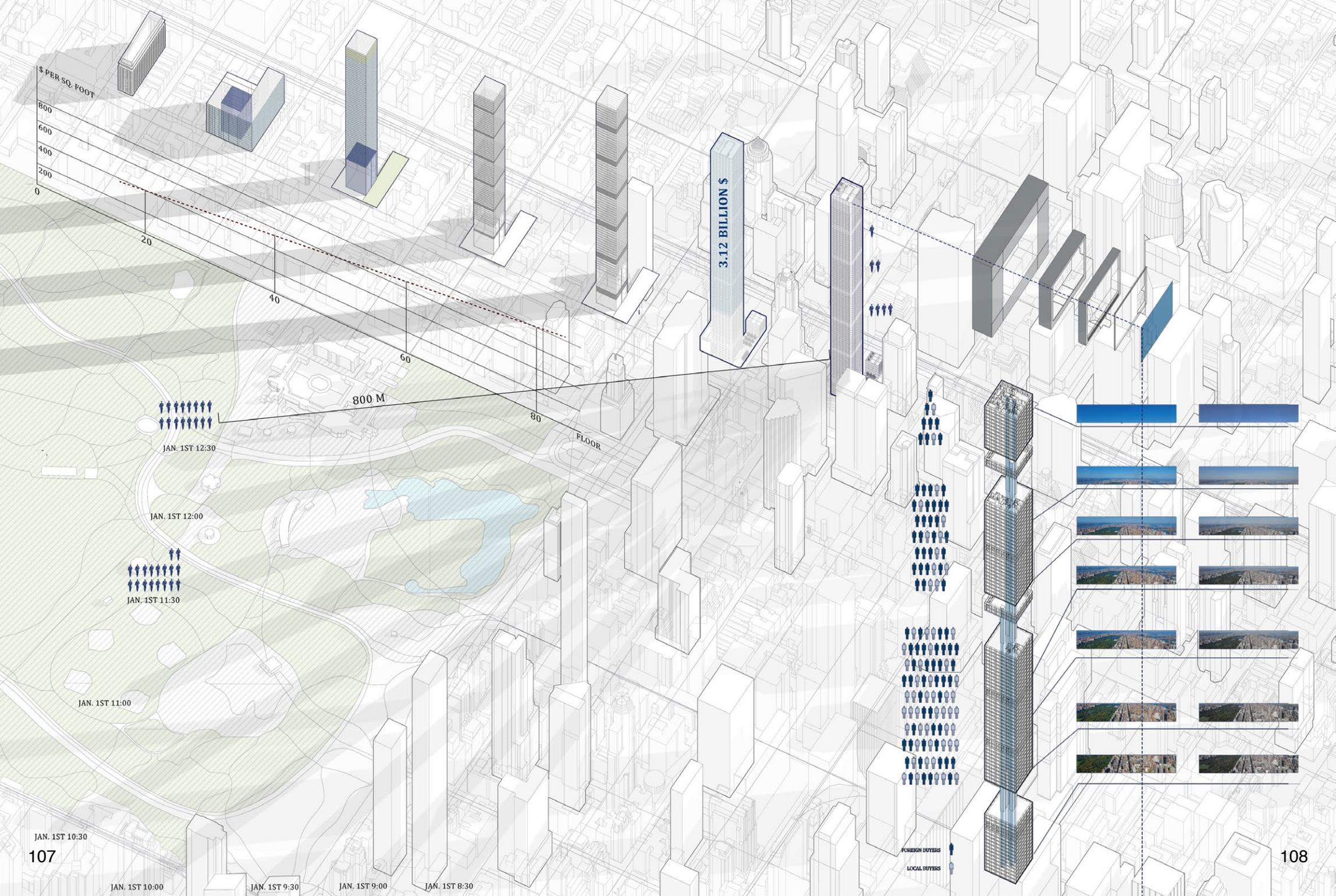
Playground;
Skateboard PLAZA

Jan. 1st 9:30

Jan. 1st 10:30

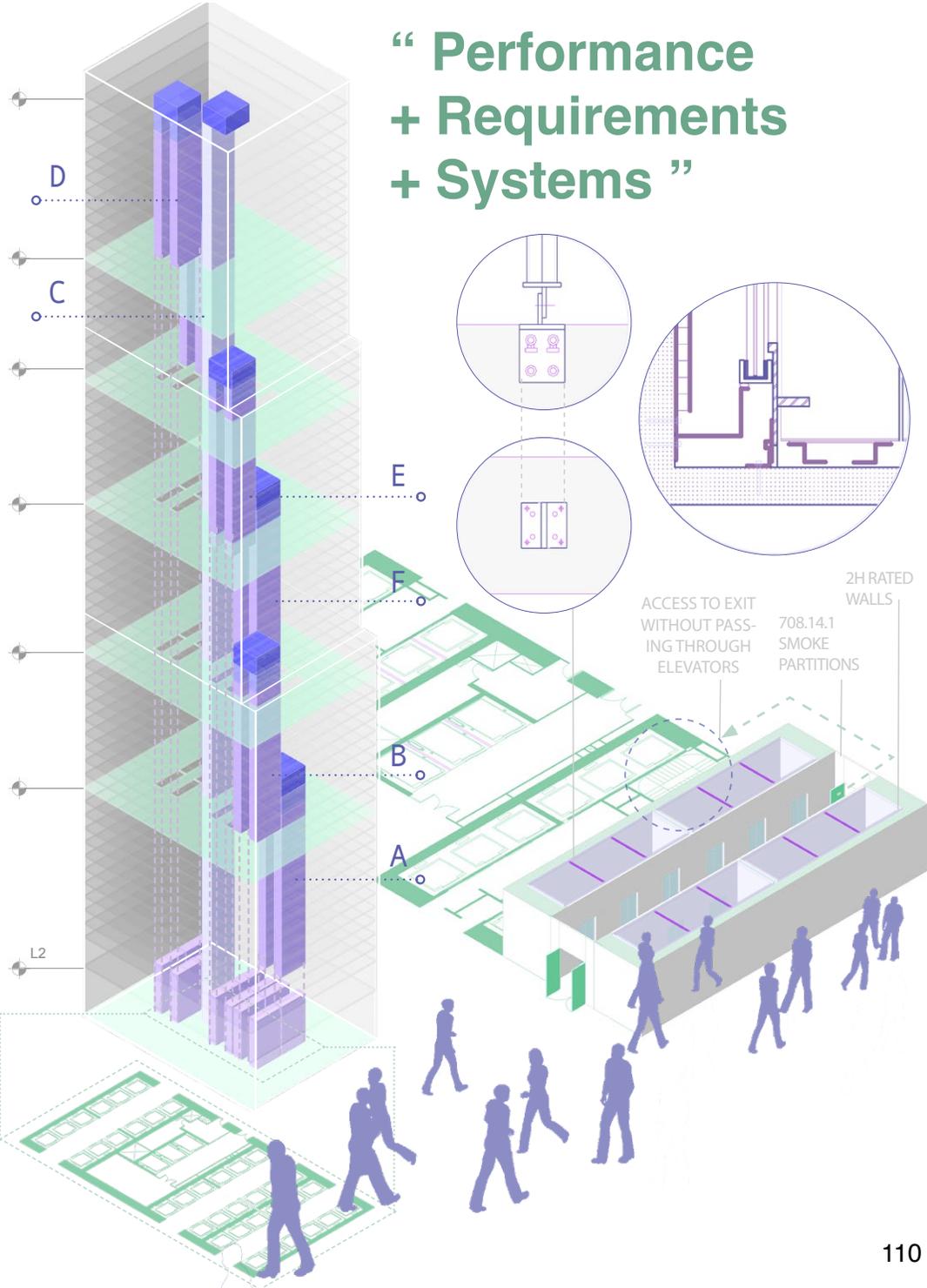
Jan. 1st 11:30

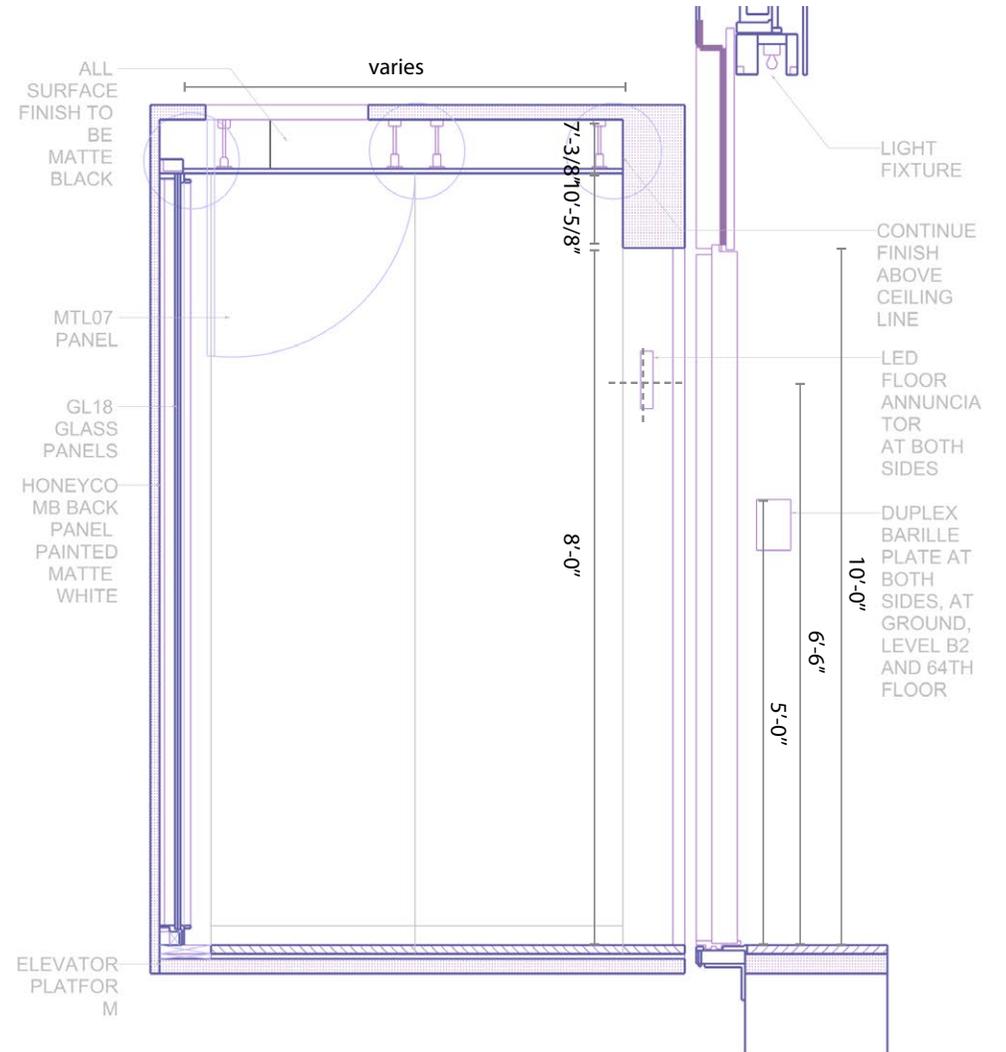
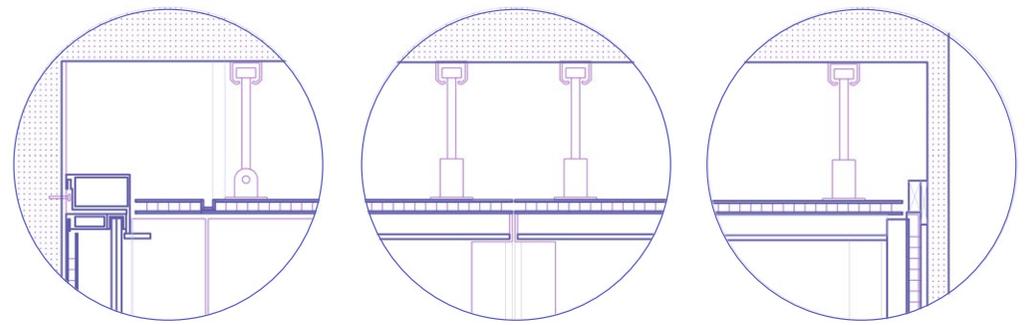
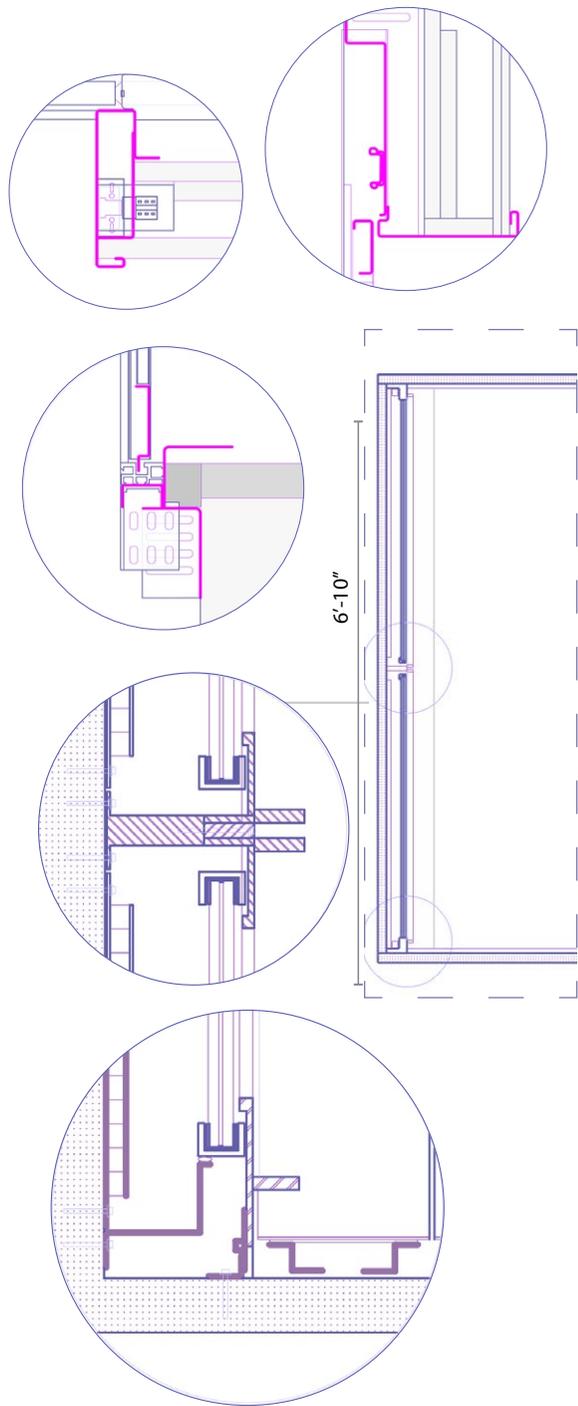
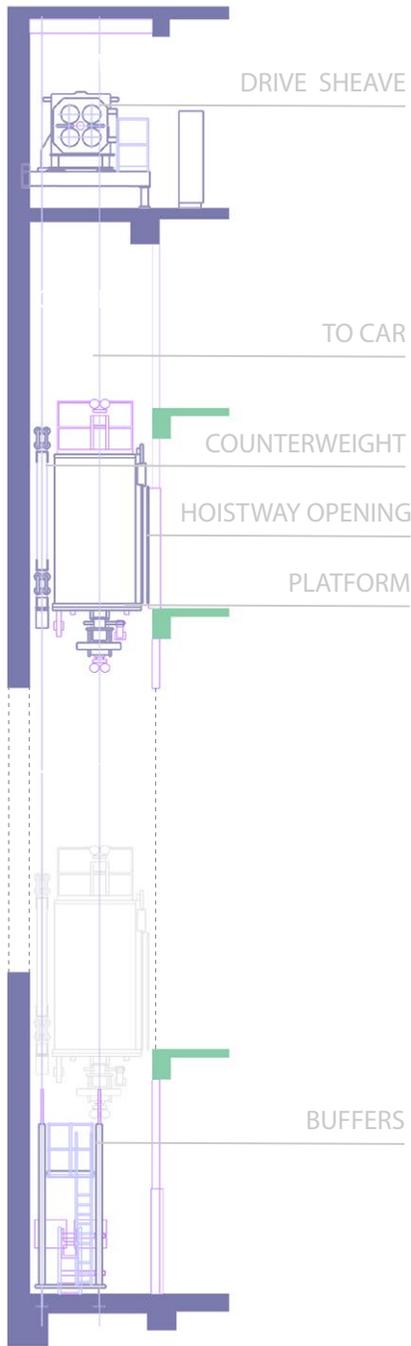
Jan. 1st 12:30



Super Tall: Vertical Transportation + Service

Nicole Dosso





ELEVATOR PIT + EMR
DETAIL

Techniques of the Ultrareal

Phillip Crupi
Joseph Brennan

