

THE HUB.



CONTENTS.



INTRODUCTION

Hong Kong, an example of what is to come

HONG KONG.



HONG KONG.

7.2 MILLION PEOPLE

6600 PER SQUARE KILOMETER

HONG KONG.



KOWLOON.



2.1 MILLION PEOPLE

43.000 PER SQUARE KILOMETER

HONG KONG DISTRICT: MONG KOK

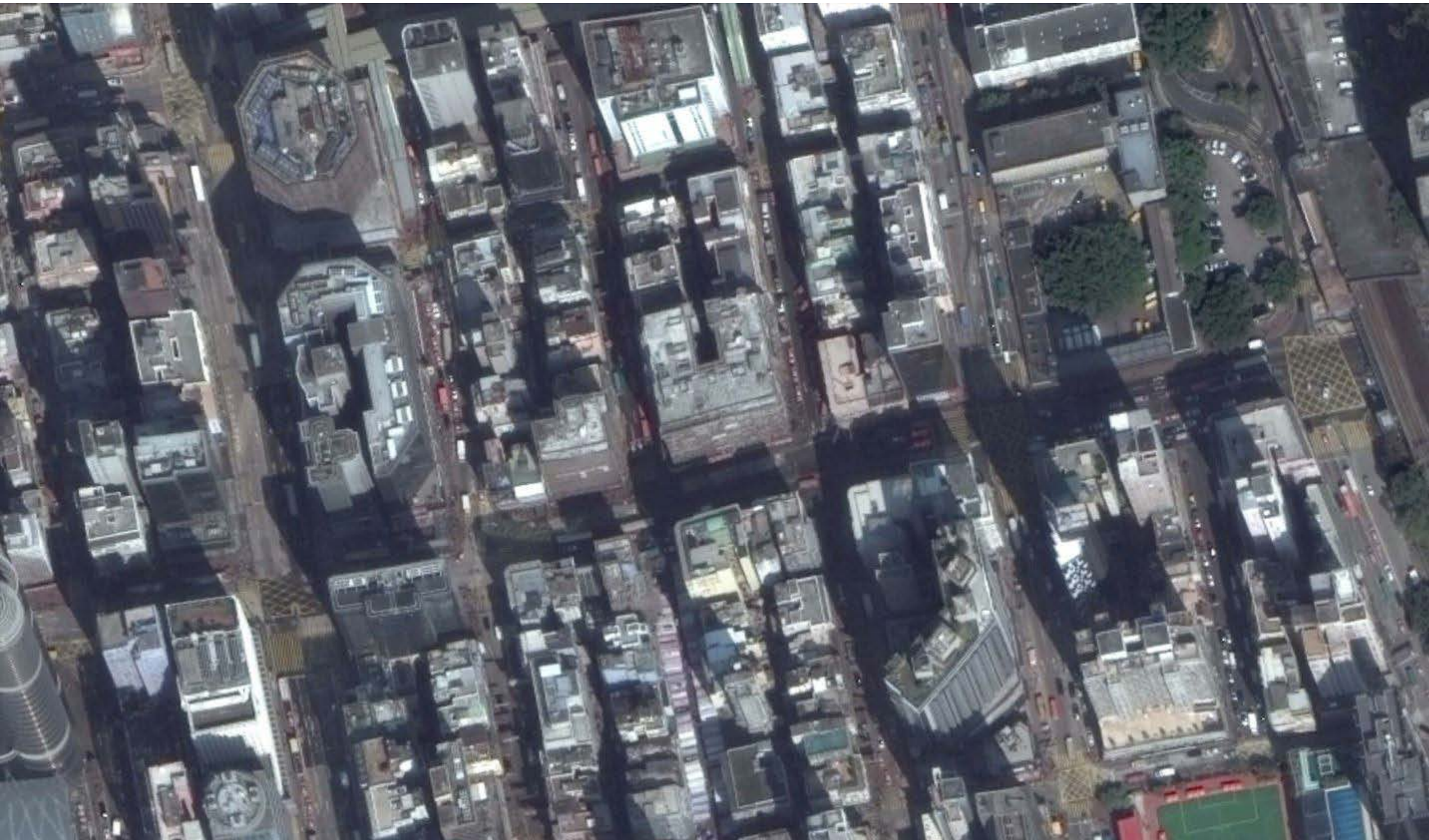


HONG KONG DISTRICT: MONG KOK

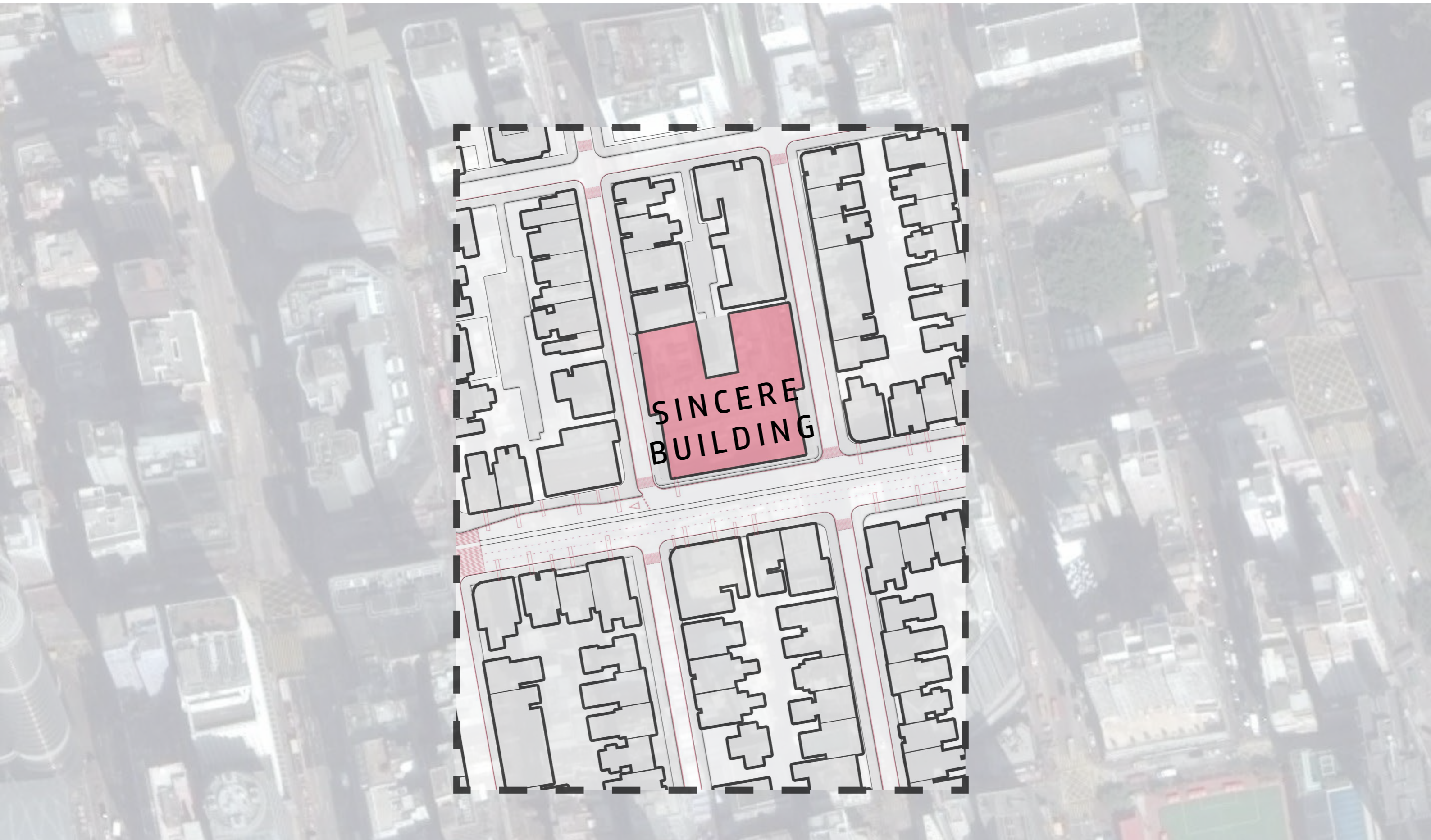
130000 PER SQUARE KILOMETER



HONG KONG DISTRICT: MONG KOK



MONG KOK: SINCERE BUILDING



MONG KOK: SINCERE BUILDING



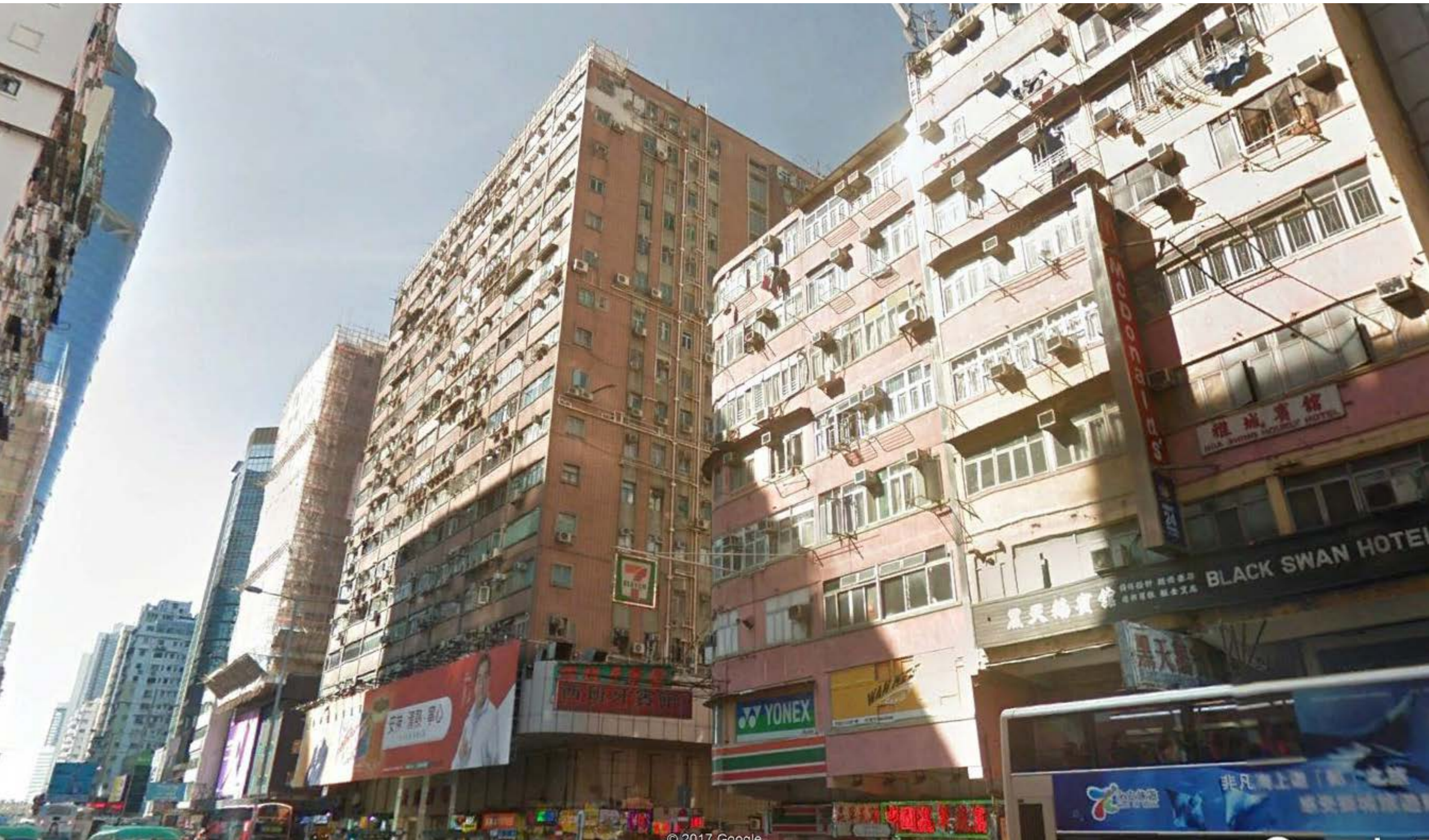
MONG KOK: SINCERE BUILDING



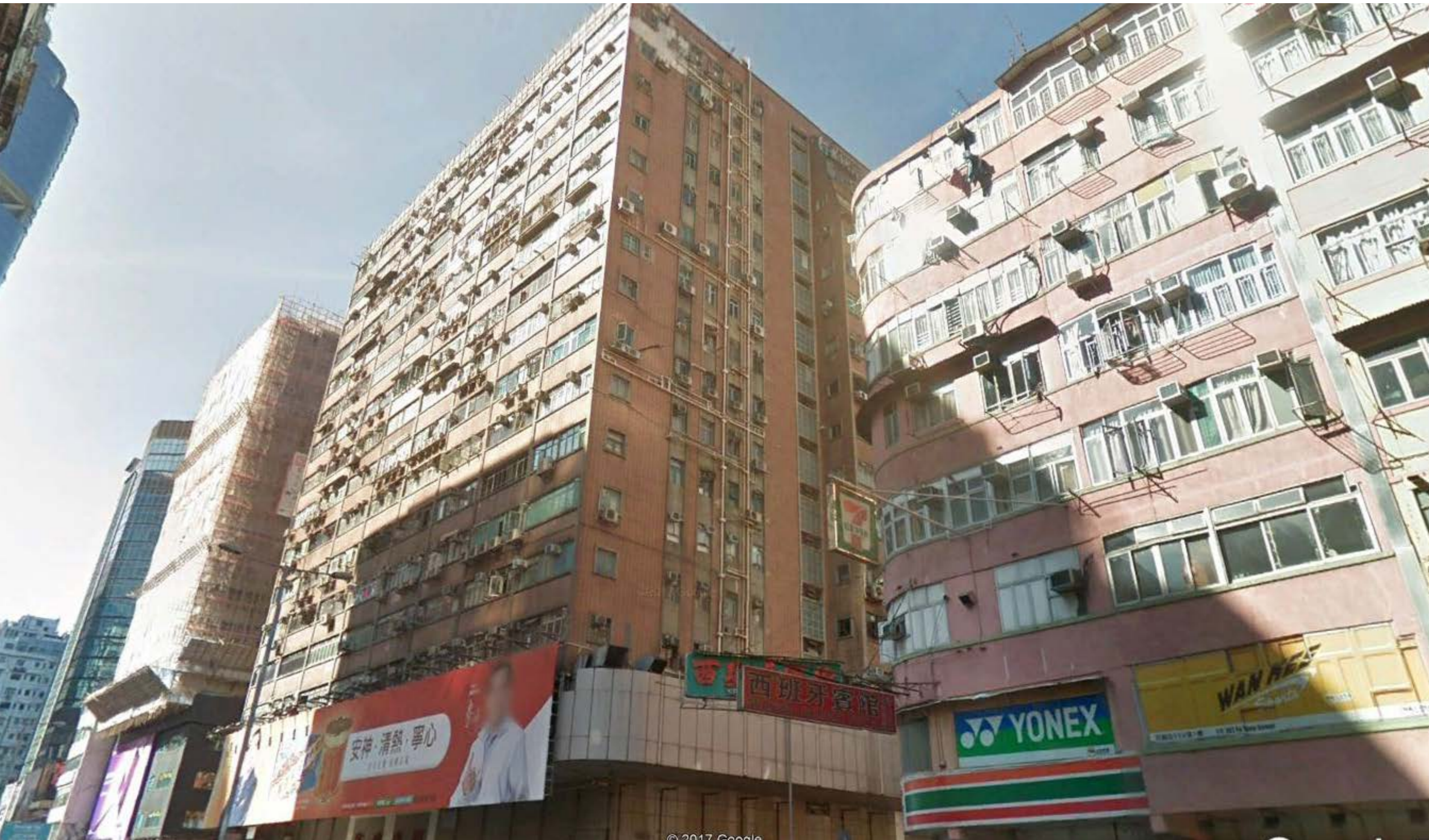
MONG KOK: SINCERE BUILDING



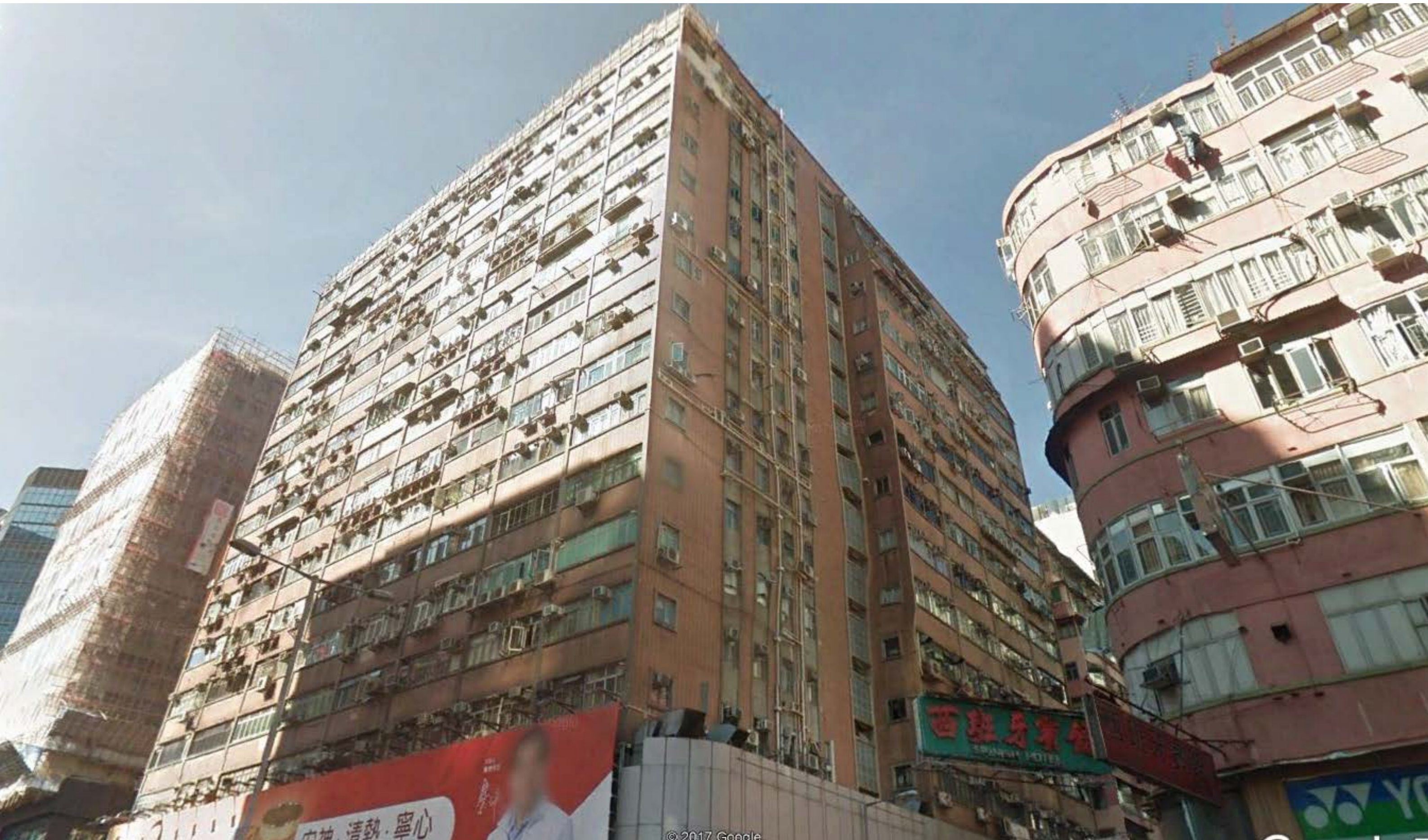
MONG KOK: SINCERE BUILDING



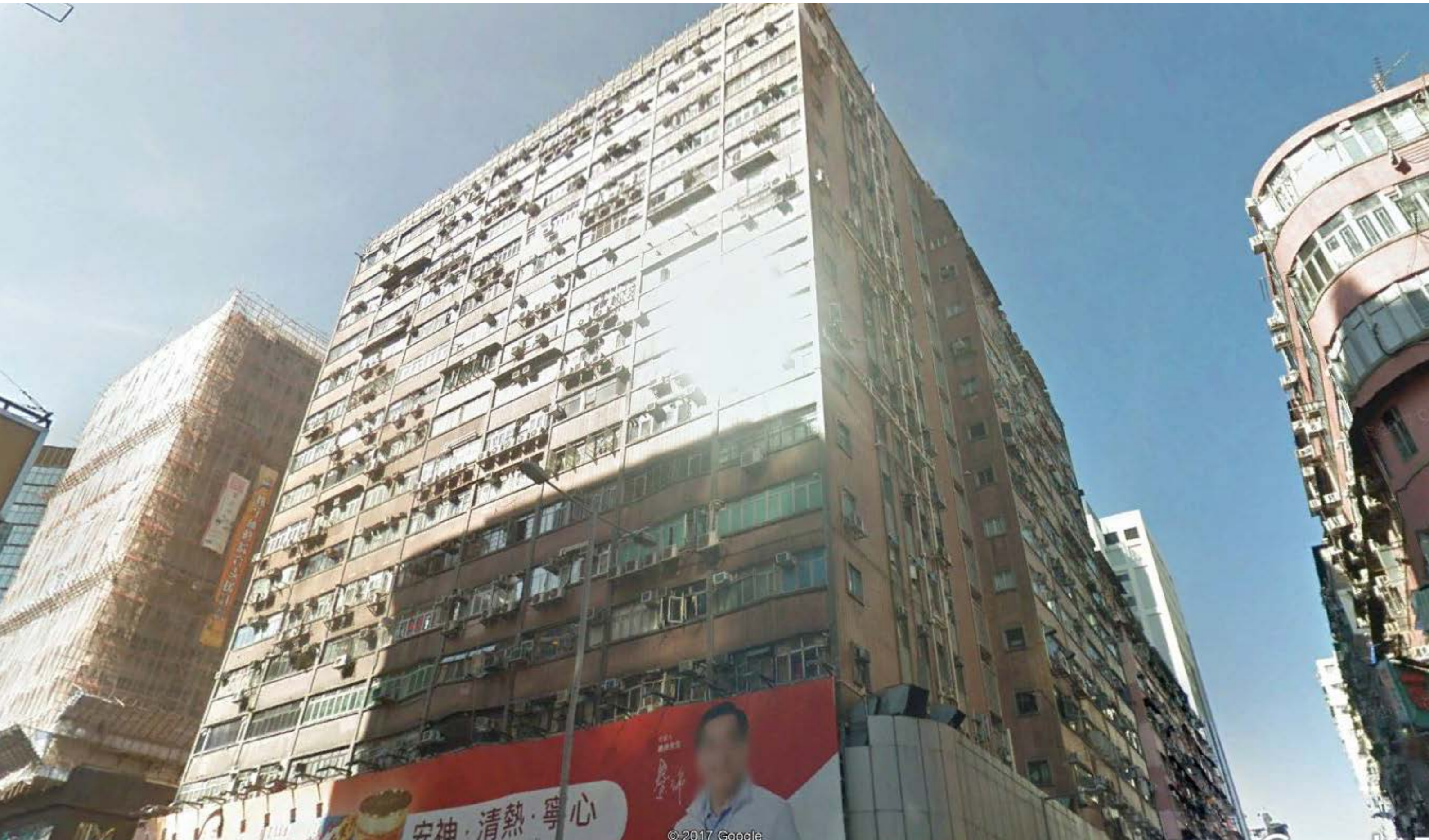
MONG KOK: SINCERE BUILDING



MONG KOK: SINCERE BUILDING

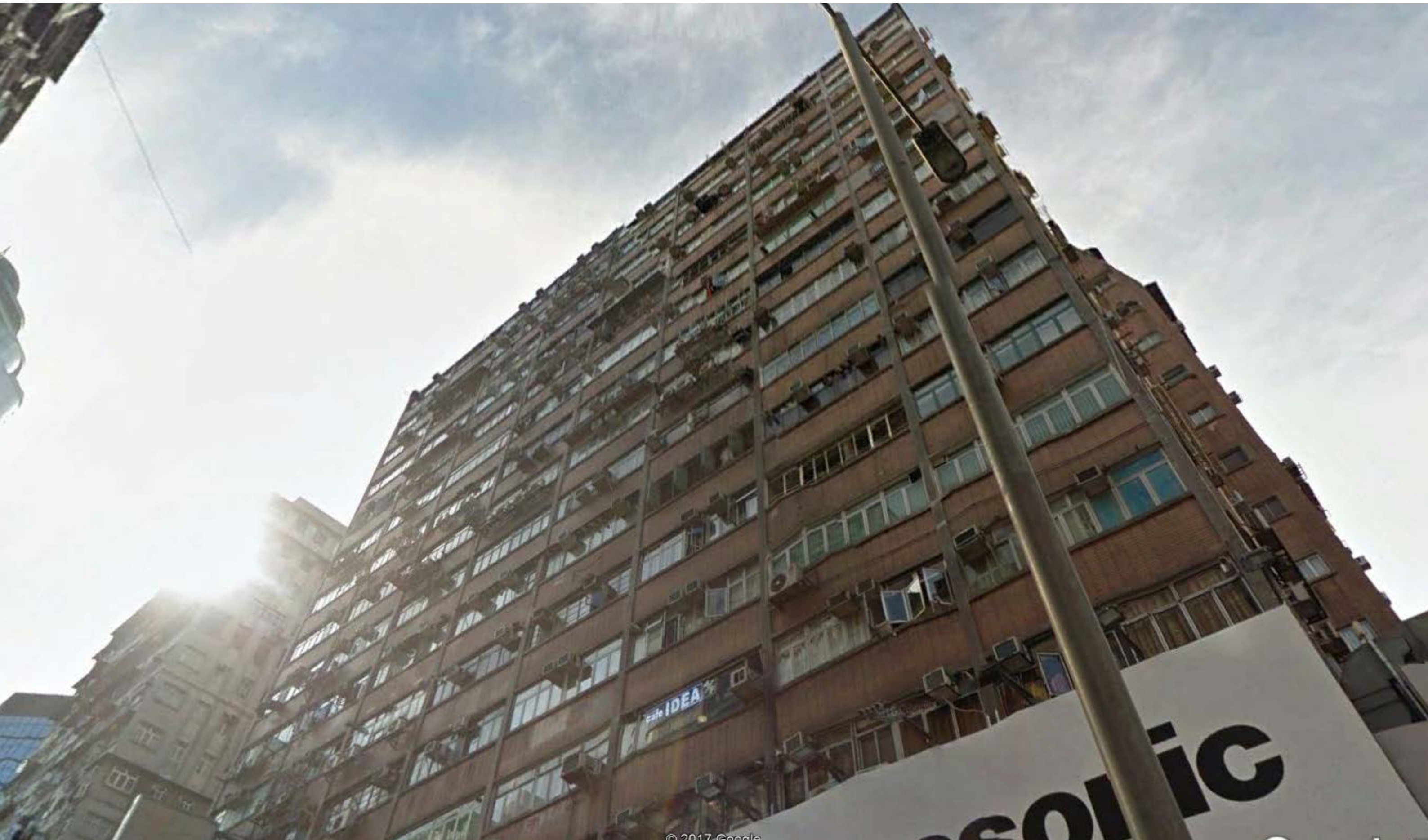


MONG KOK: SINCERE BUILDING



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MONG KOK: SINCERE BUILDING



MONG KOK: SINCERE BUILDING



CROWDED STREETS

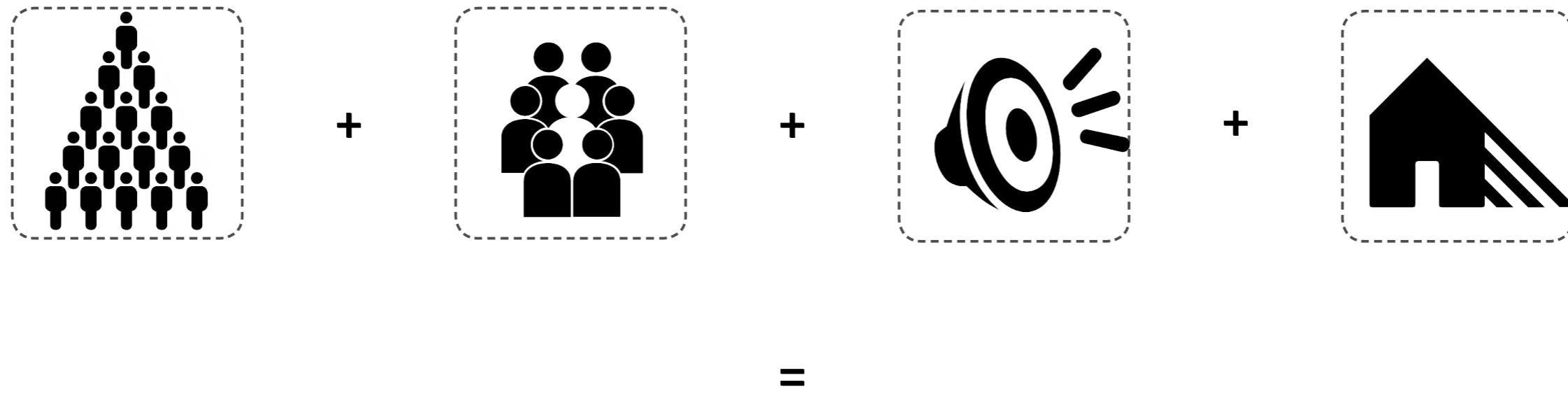


LOW QUALITY OF LIFE



PROBLEM STATEMENT

RESEARCH AND INTERVIEWS SHOWS THAT OVER DENSIFICATION IN MONG KOK RESULTS IN



BAD LIVING QUALITY

THE CONCEPT.

Visualizing the Solution

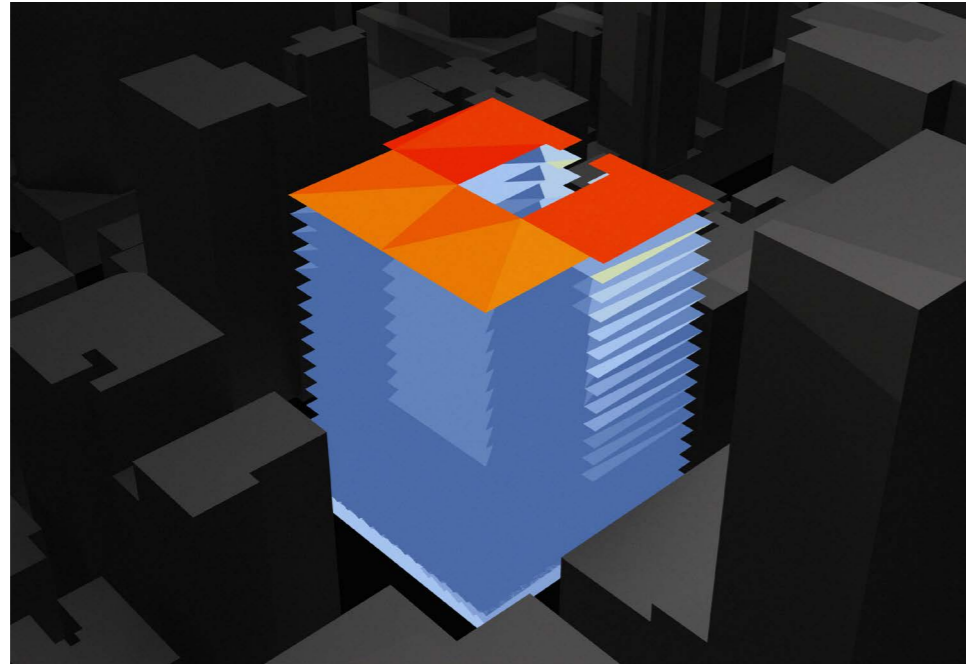
OBJECTIVE

Research Question:

“What kind of building-design could address the problems many high-density cities exhibit?”

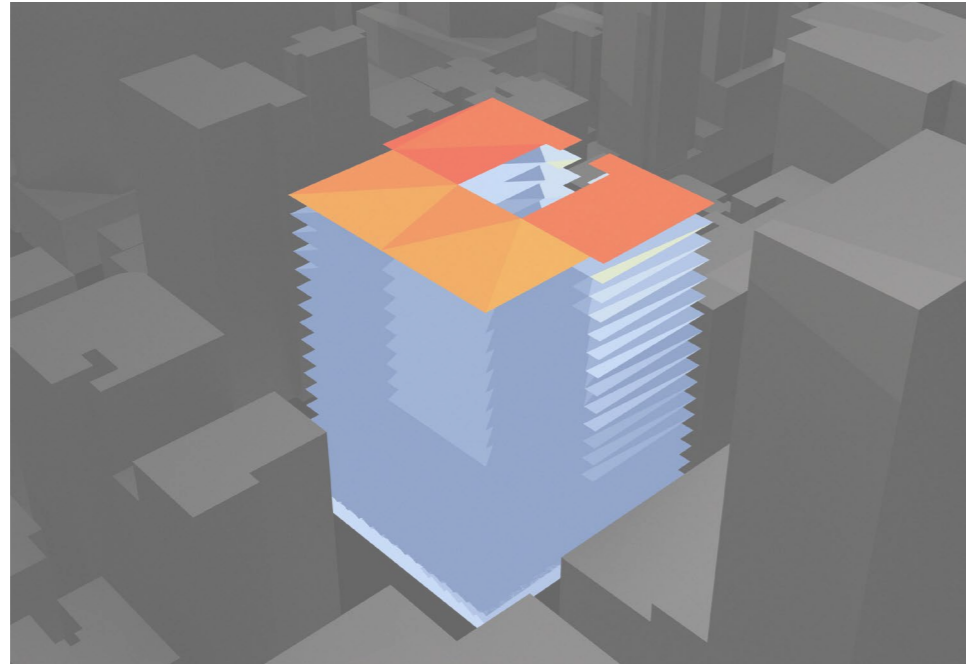
SITE ANALYSIS

SUNLIGHT HOURS IN JUNE

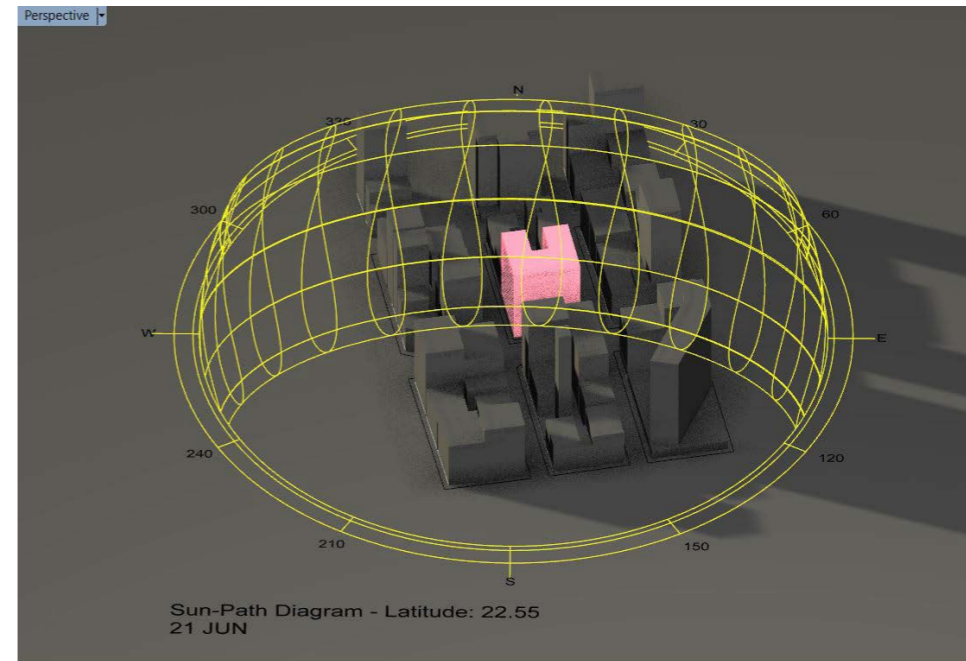


SITE ANALYSIS

SUNLIGHT HOURS IN JUNE

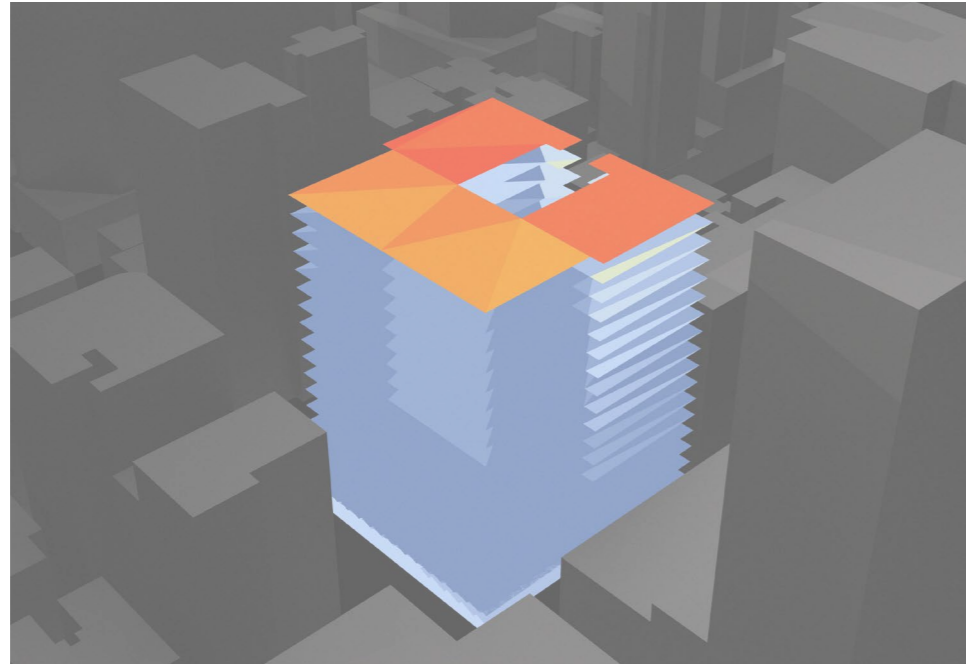


NEIGHBOURHOOD SHADING

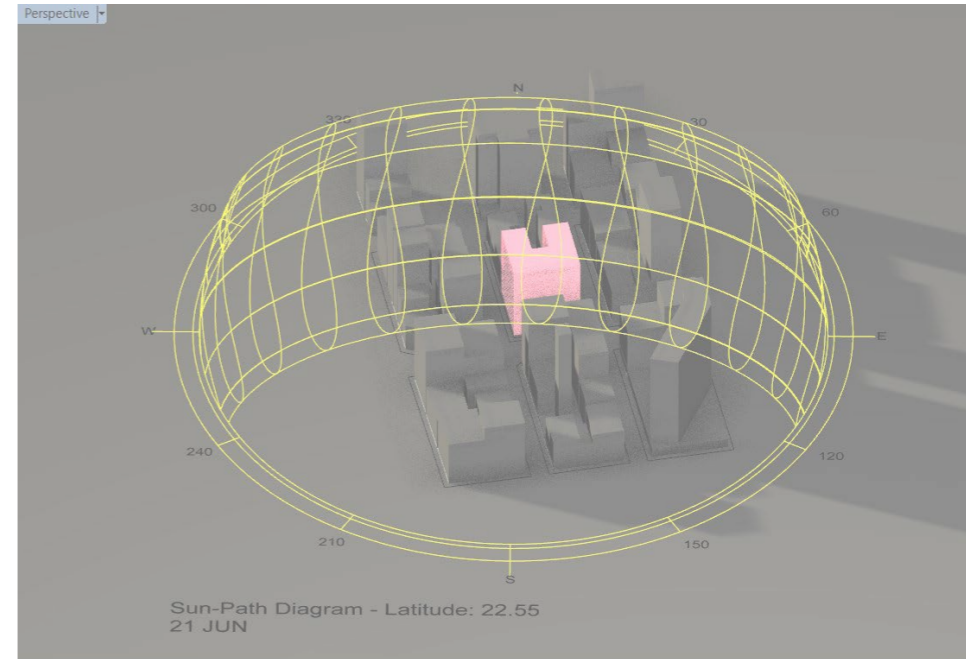


SITE ANALYSIS

SUNLIGHT HOURS IN JUNE



NEIGHBOURHOOD SHADING

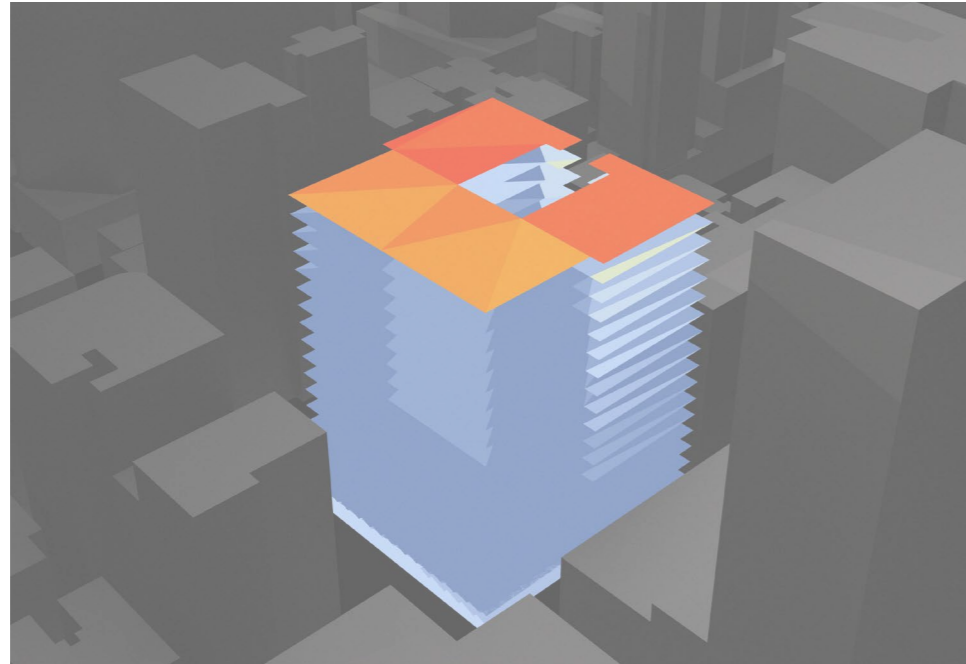


WALKING PATHS

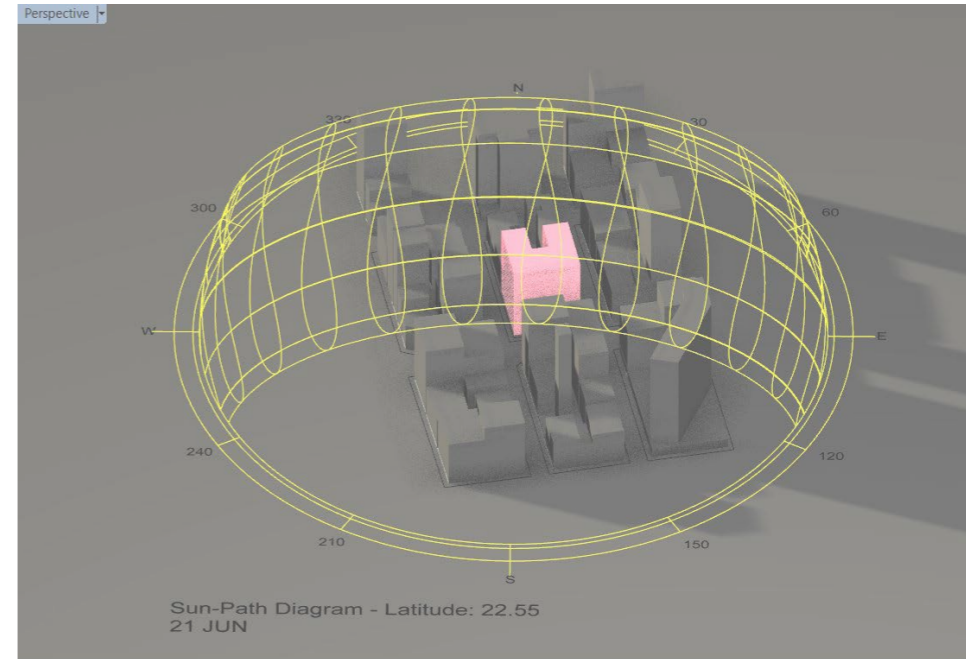


SITE ANALYSIS

SUNLIGHT HOURS IN JUNE



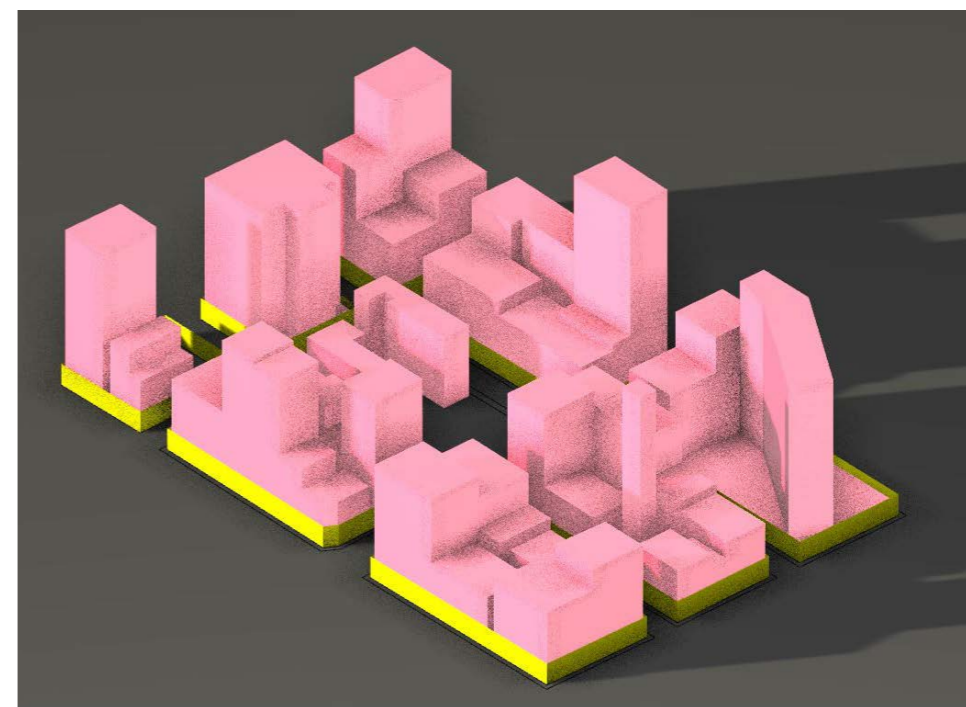
NEIGHBOURHOOD SHADING



WALKING PATHS



FUNCTIONS



WHAT TO CHANGE?

DAYLIGHTING

+

INTEGRATING

+

PROTECTING

+

MEETING

WHAT TO CHANGE?

DAYLIGHTING

+

INTEGRATING

+

PROTECTING

+

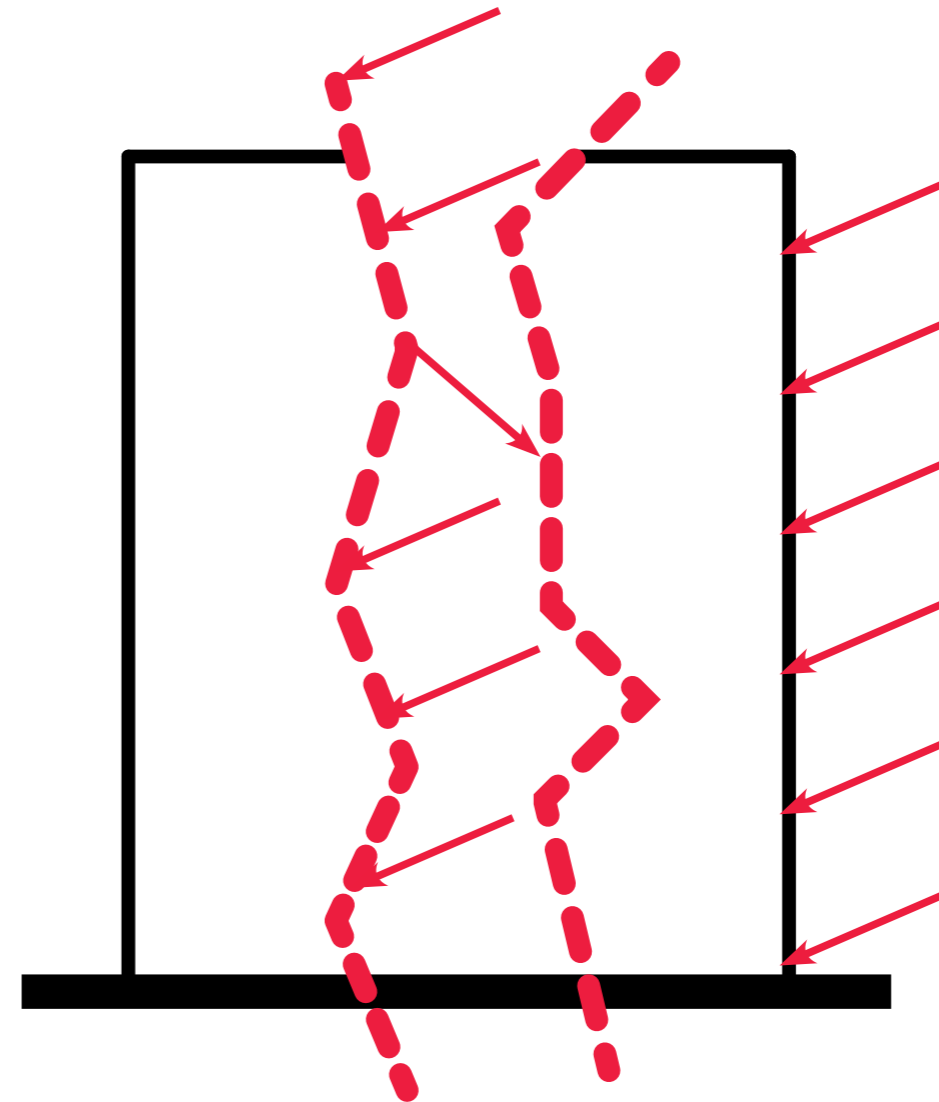
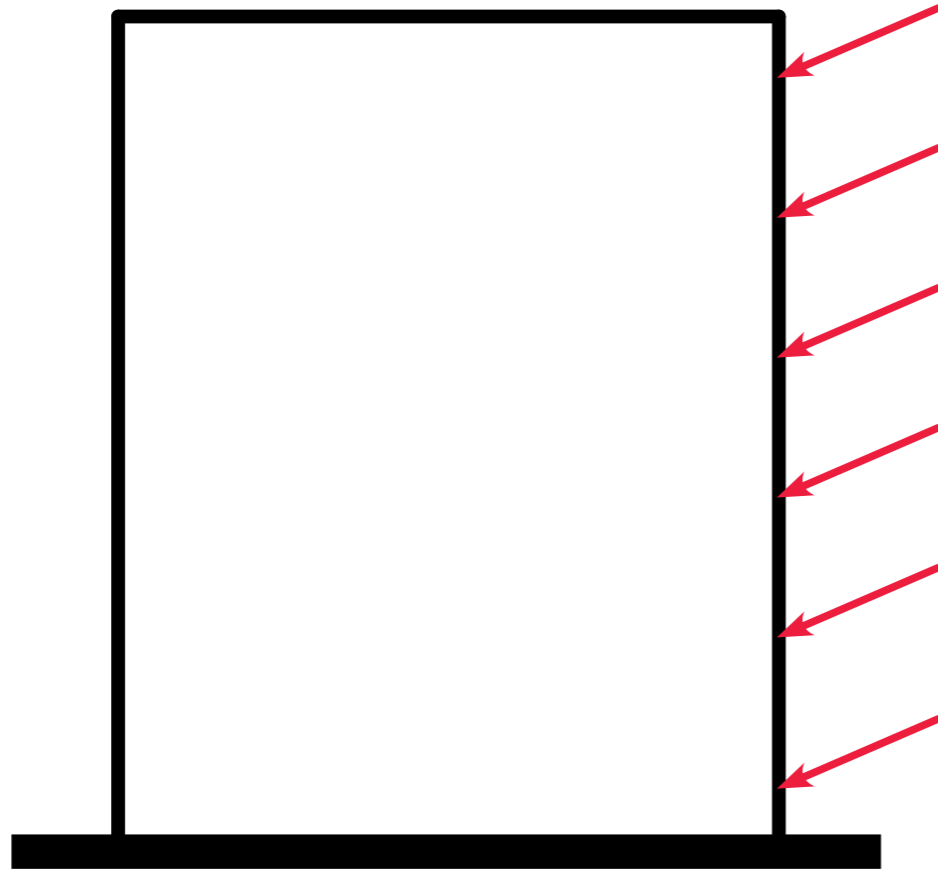
MEETING

=

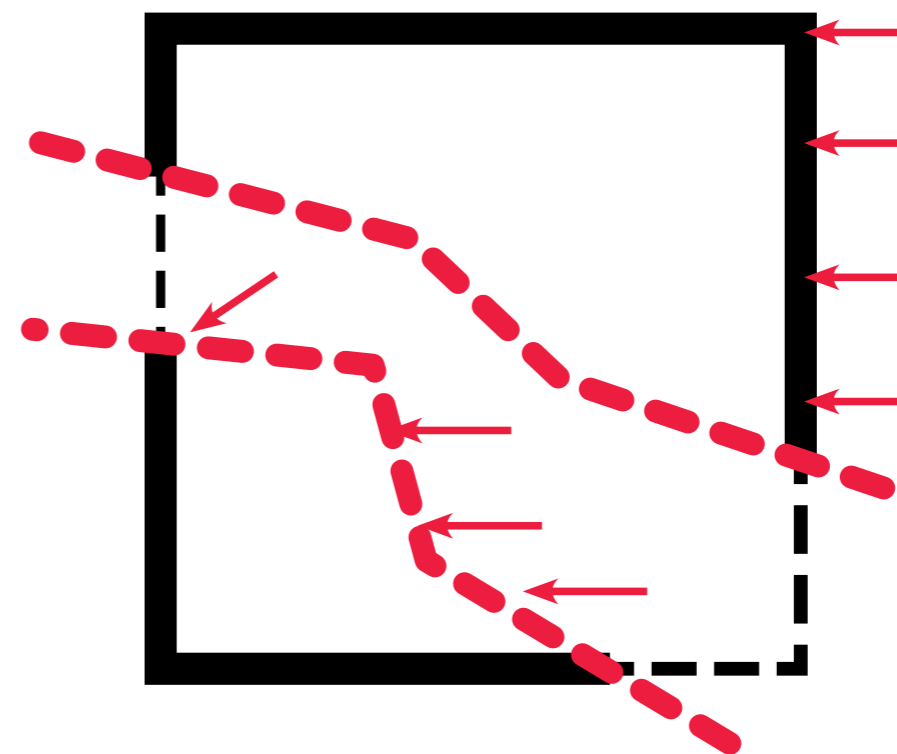
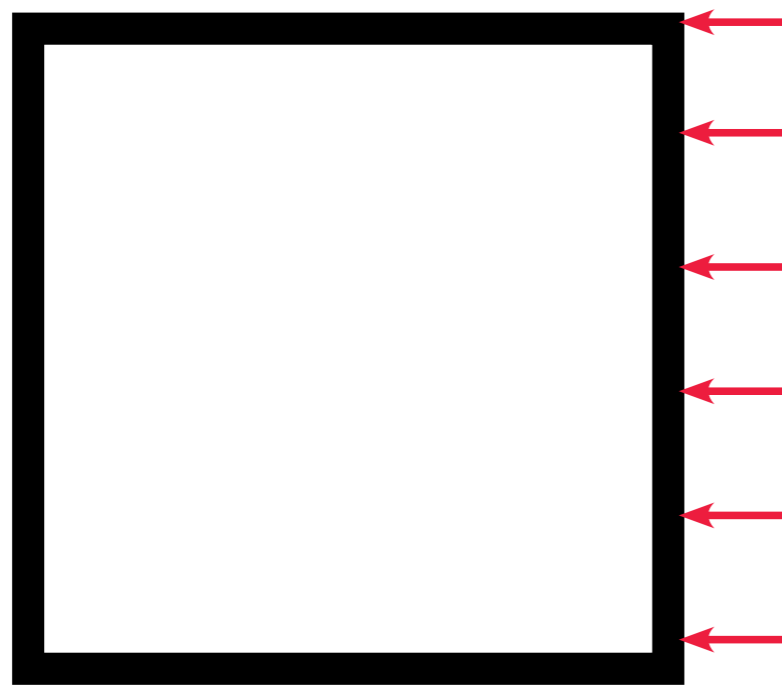
THE HUB

DAYLIGHTING

Section



Top View

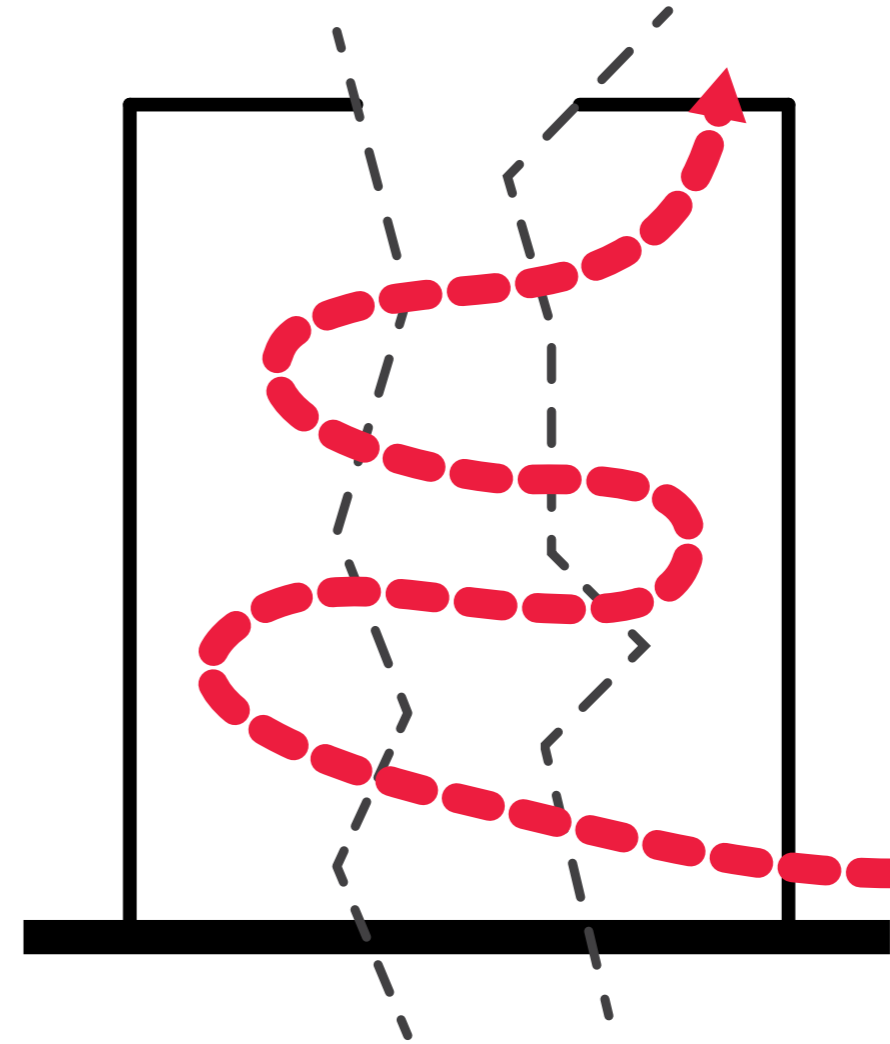
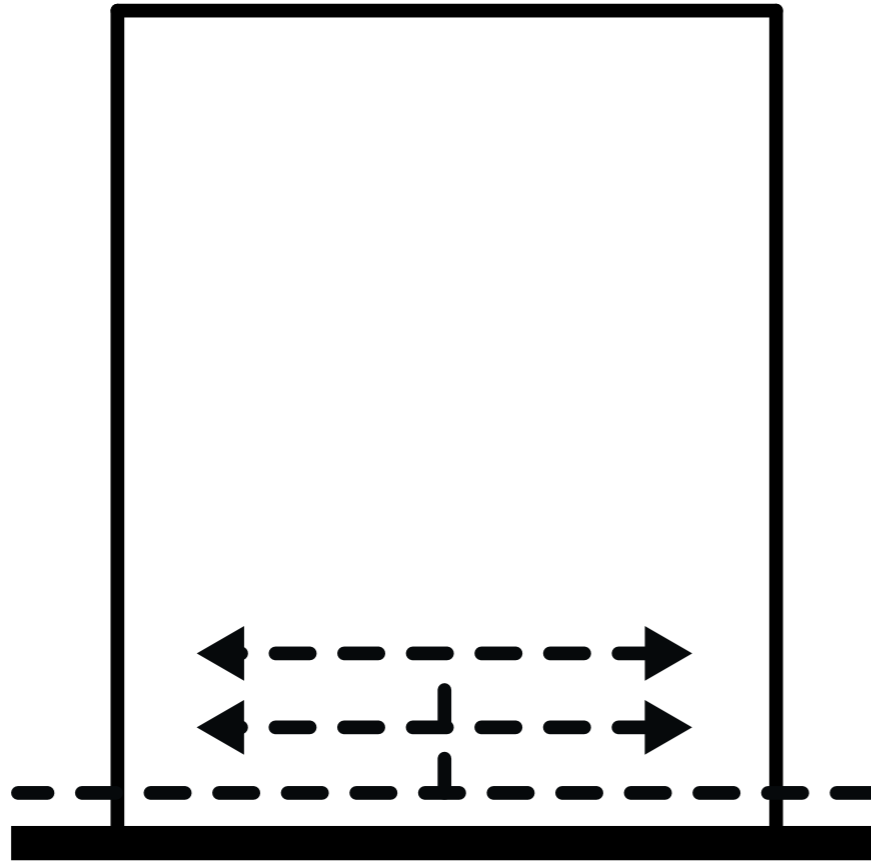


SINCERE
BUILDING

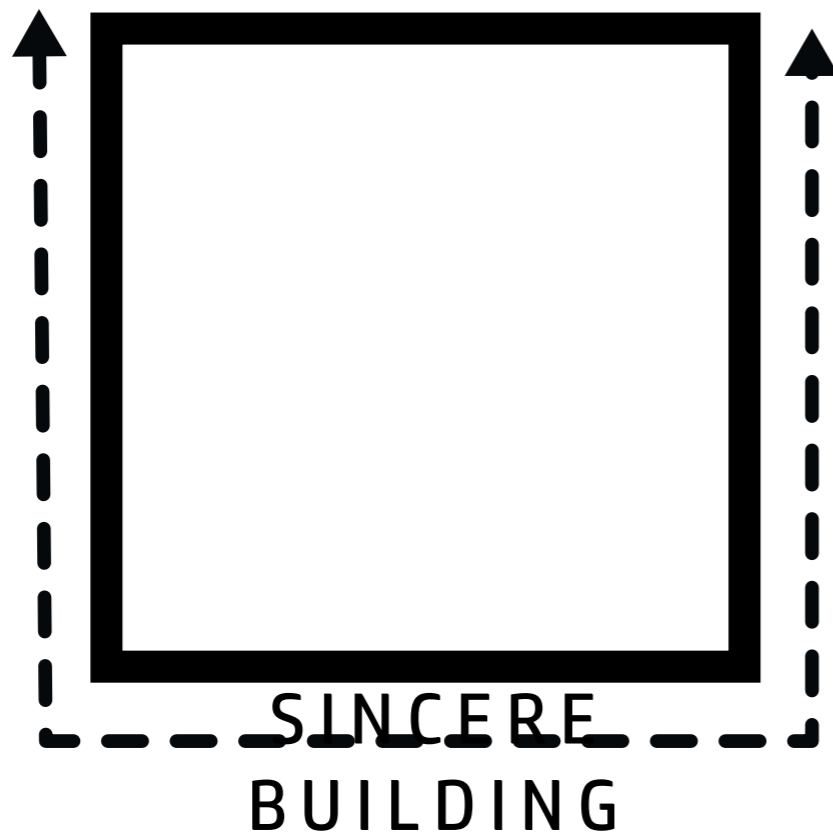
THE HUB

INTEGRATING

Section

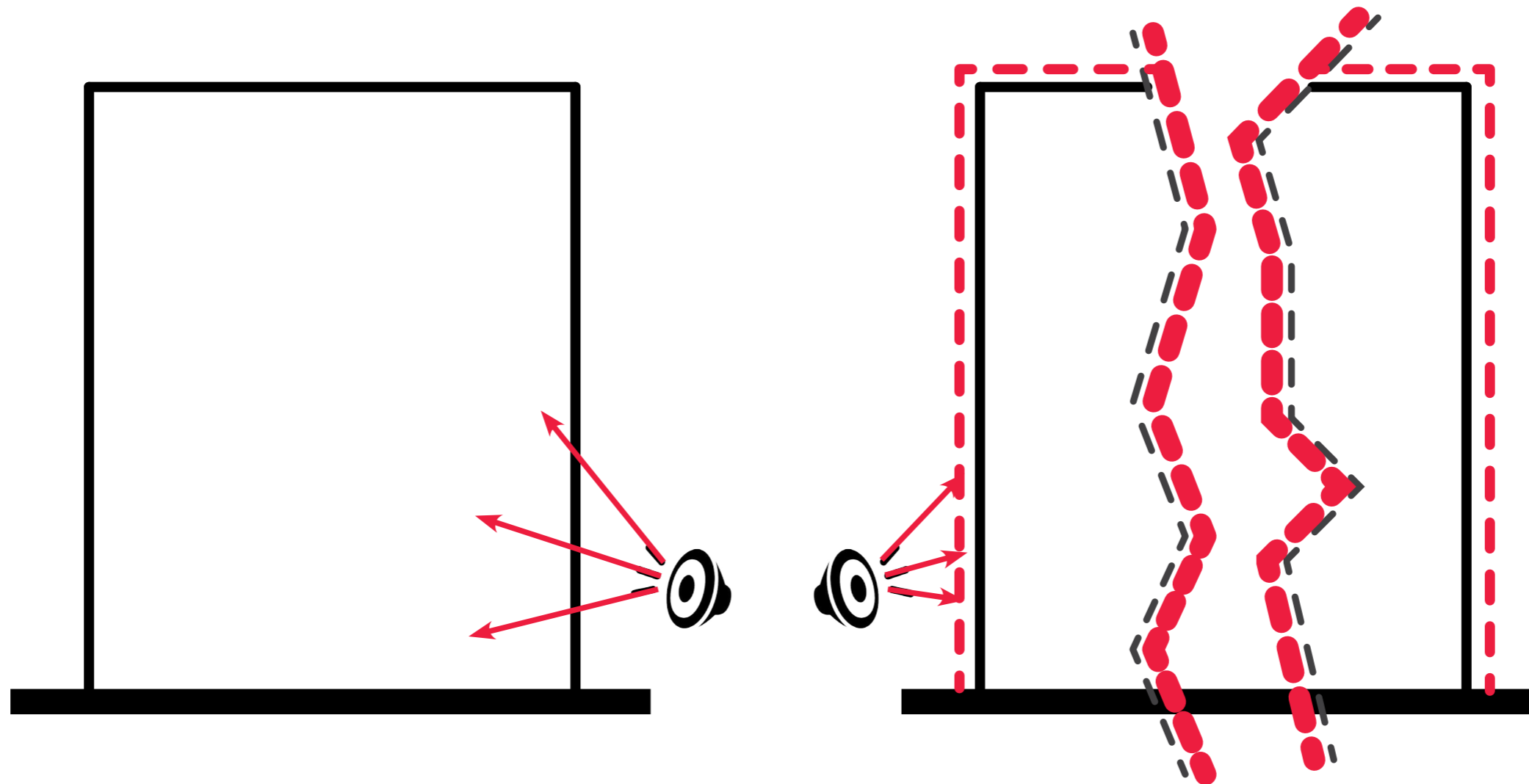


Top View

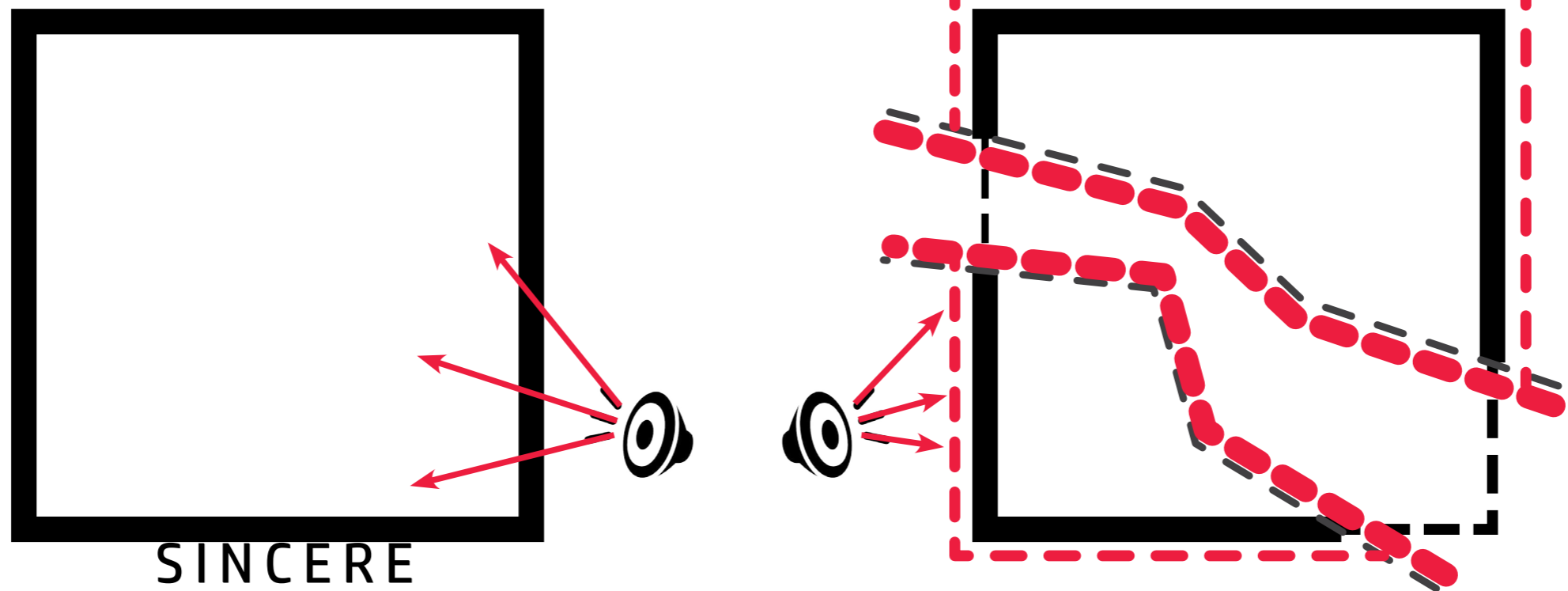


PROTECTING

Section



Top View

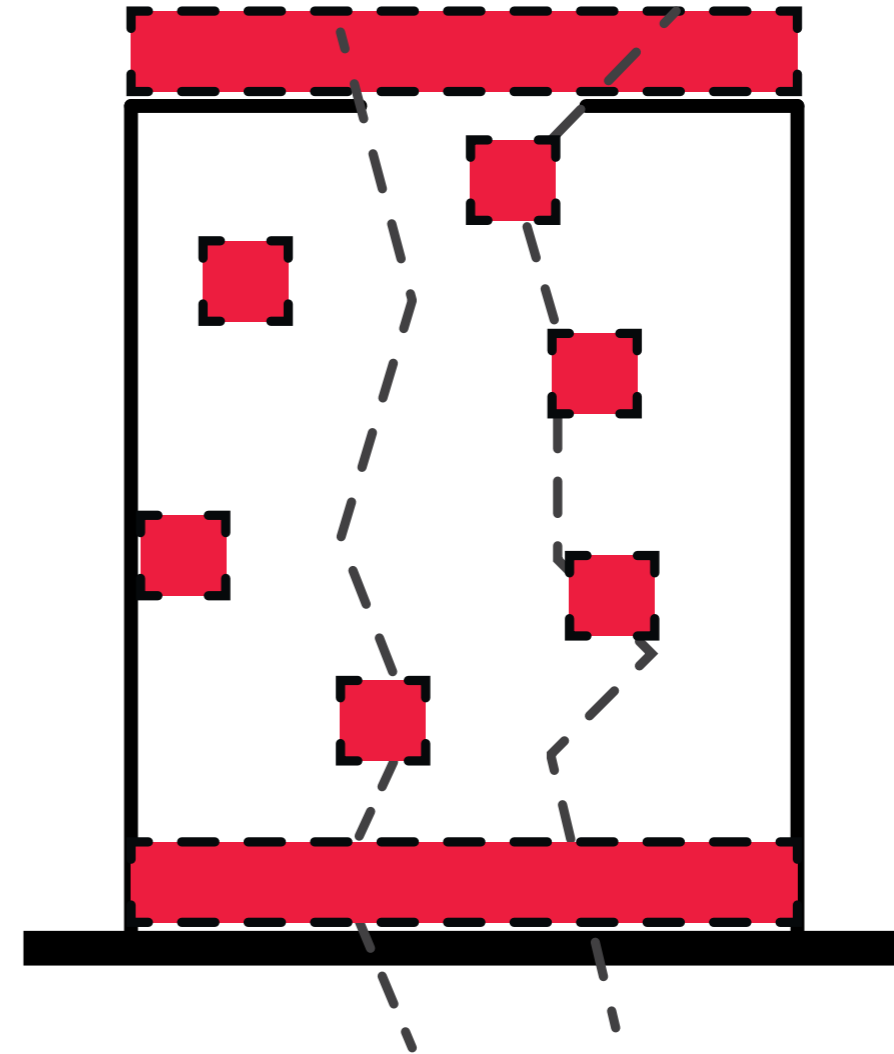
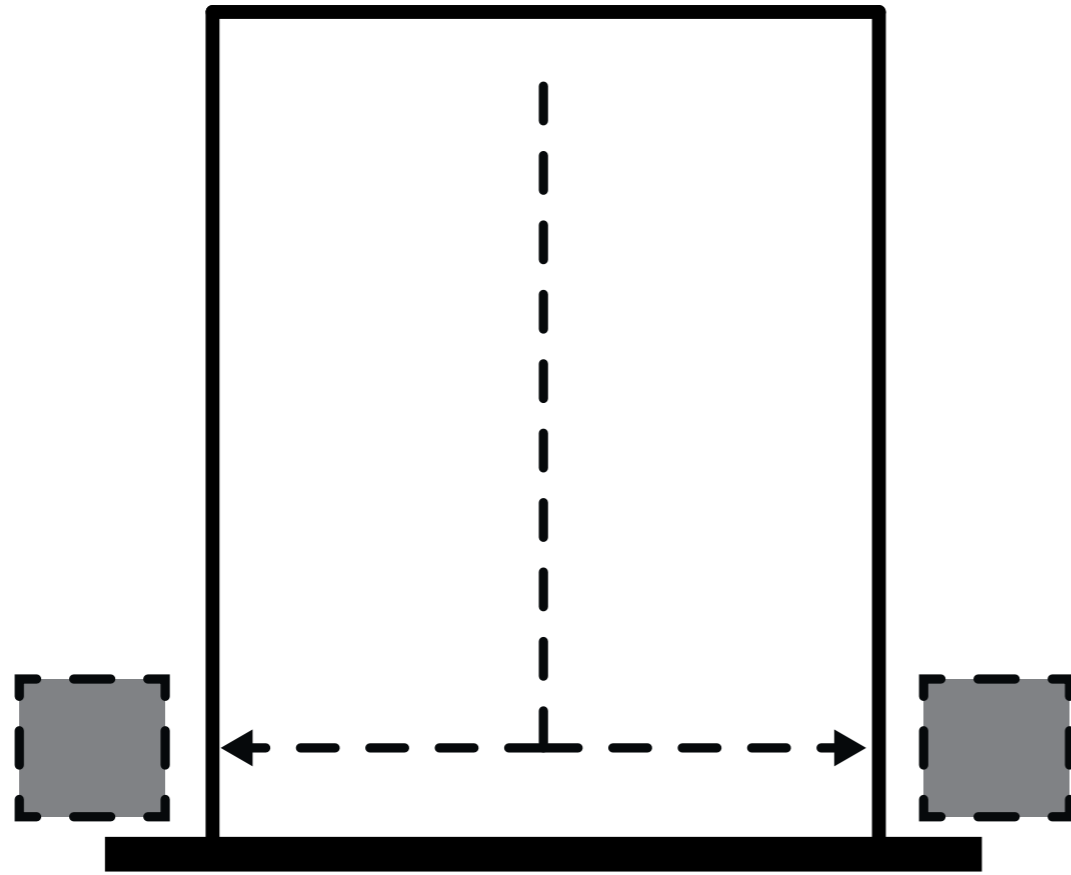


SINCERE
BUILDING

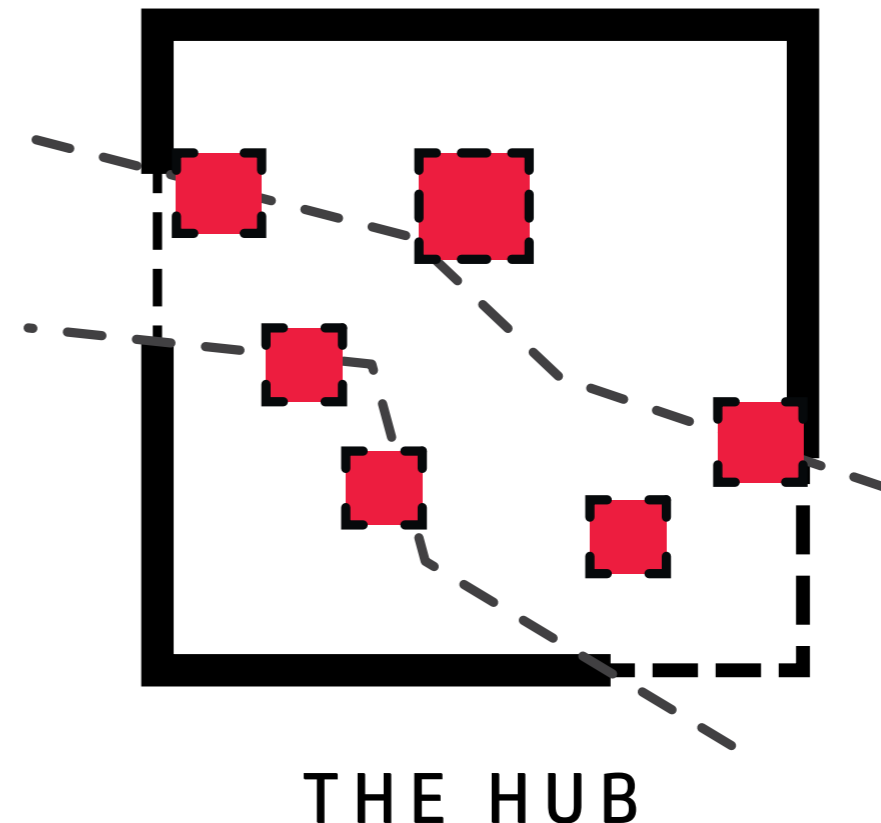
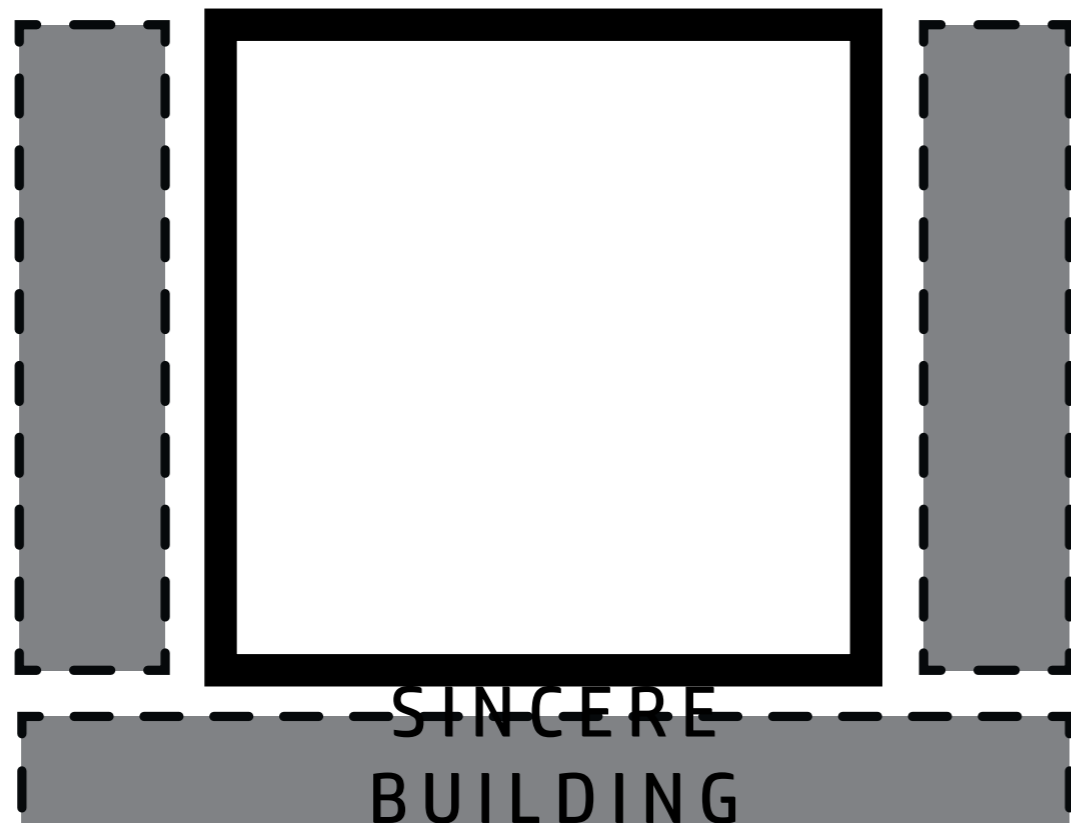
THE HUB

MEETING

Section



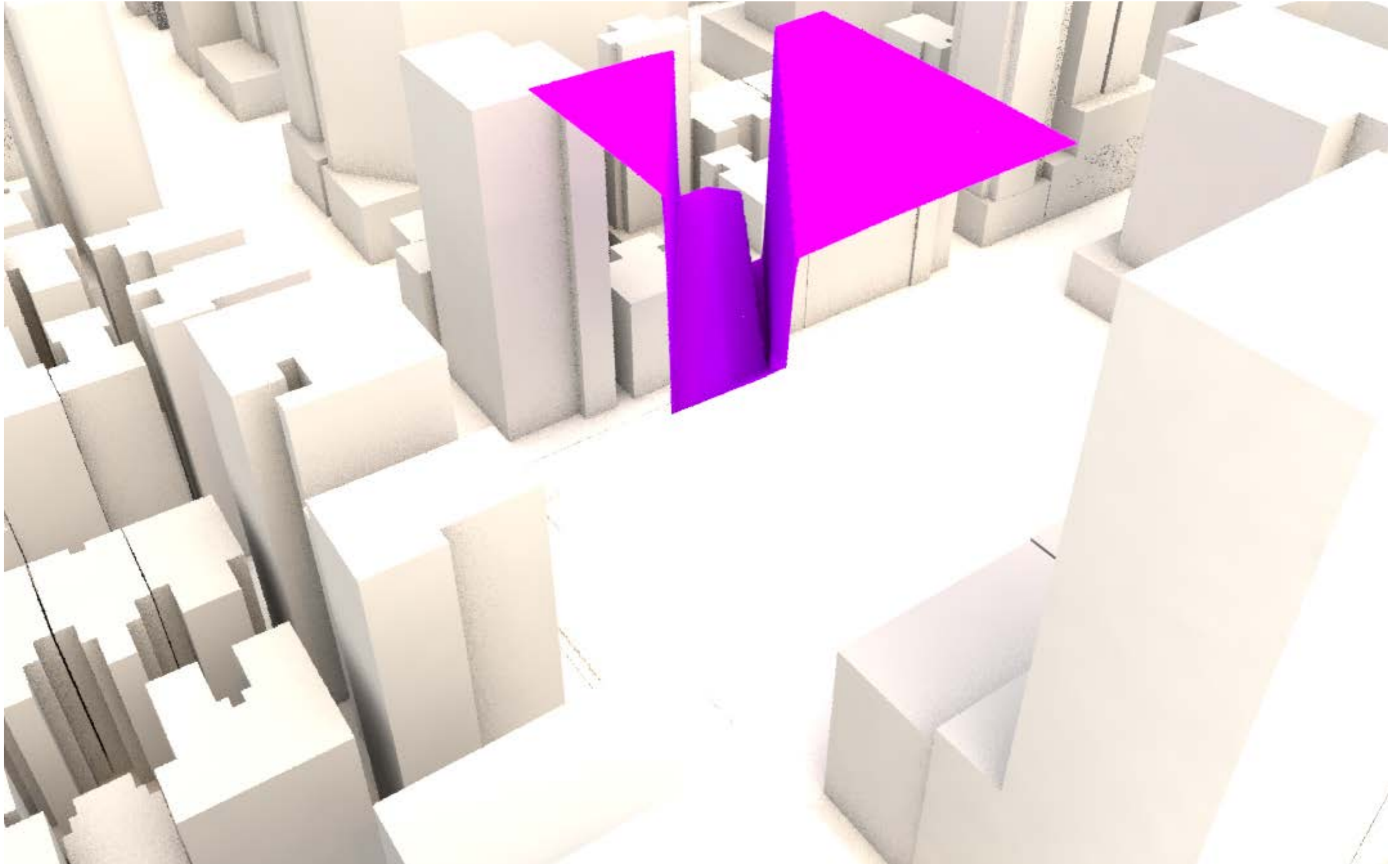
Top View



THE HUB

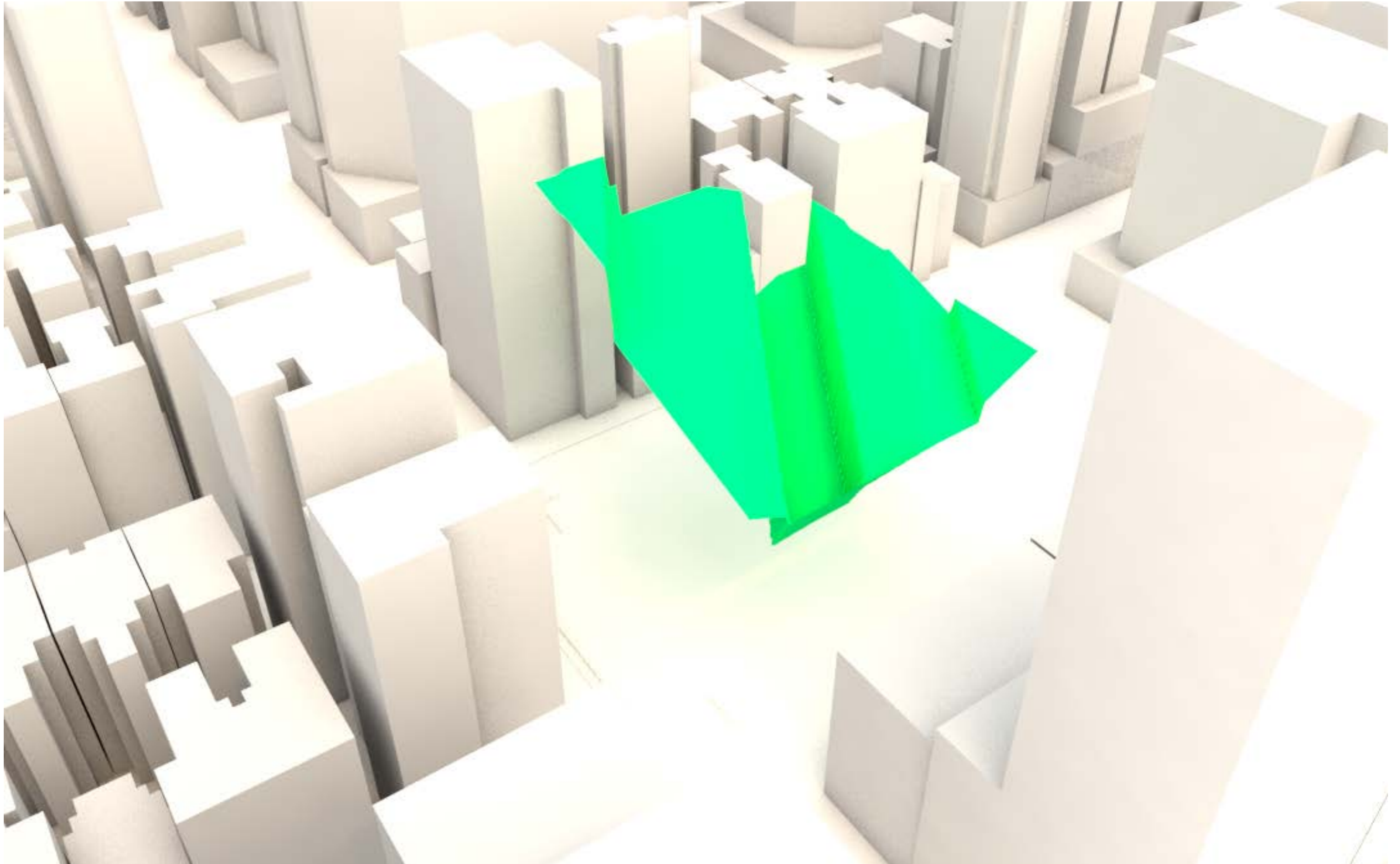
COMPUTATIONAL STRATEGY - MORE EFFICIENT DAYLIGHT USE

9-11h / 18-20h



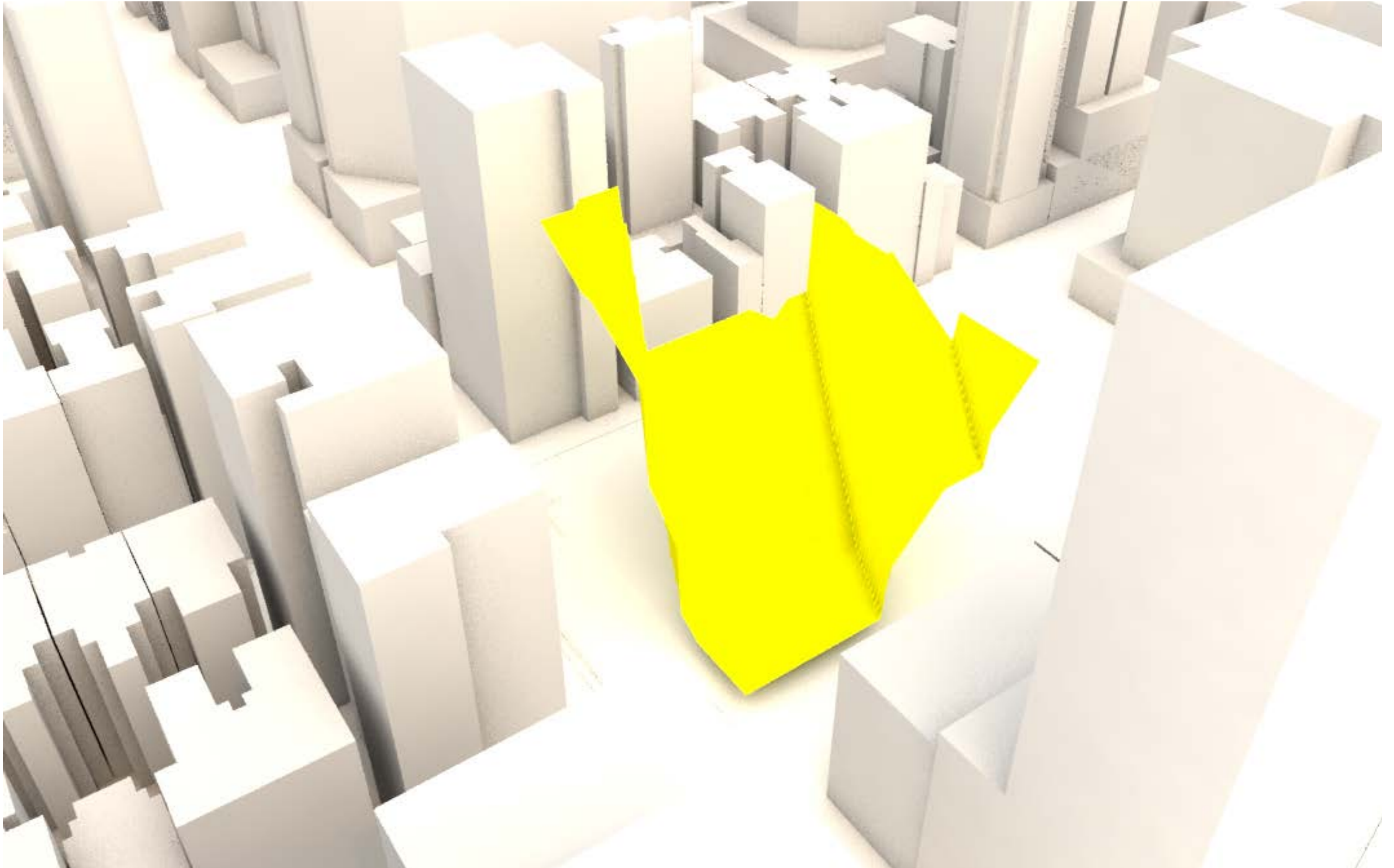
COMPUTATIONAL STRATEGY - MORE EFFICIENT DAYLIGHT USE

10-12h / 16-18h

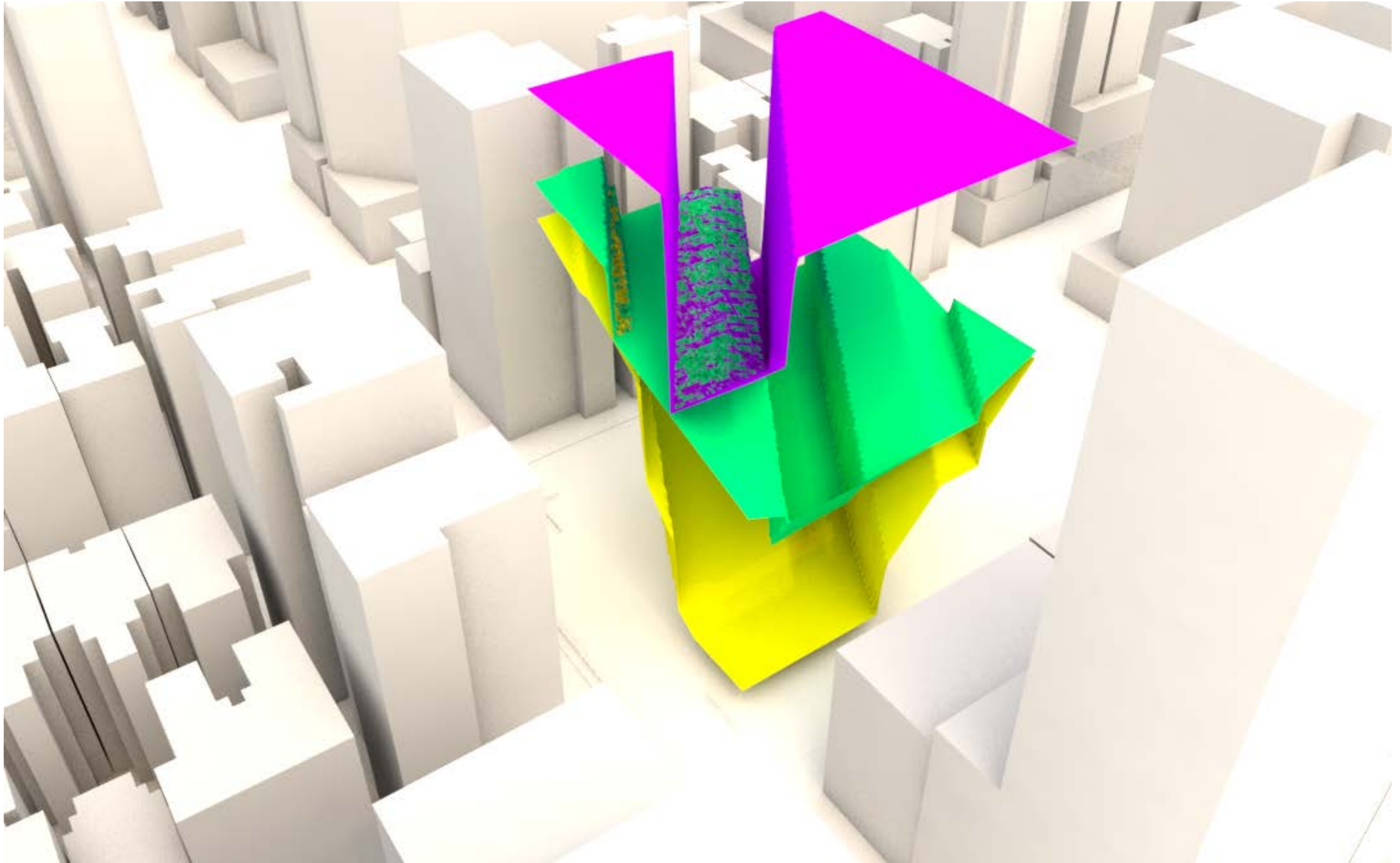


COMPUTATIONAL STRATEGY - MORE EFFICIENT DAYLIGHT USE

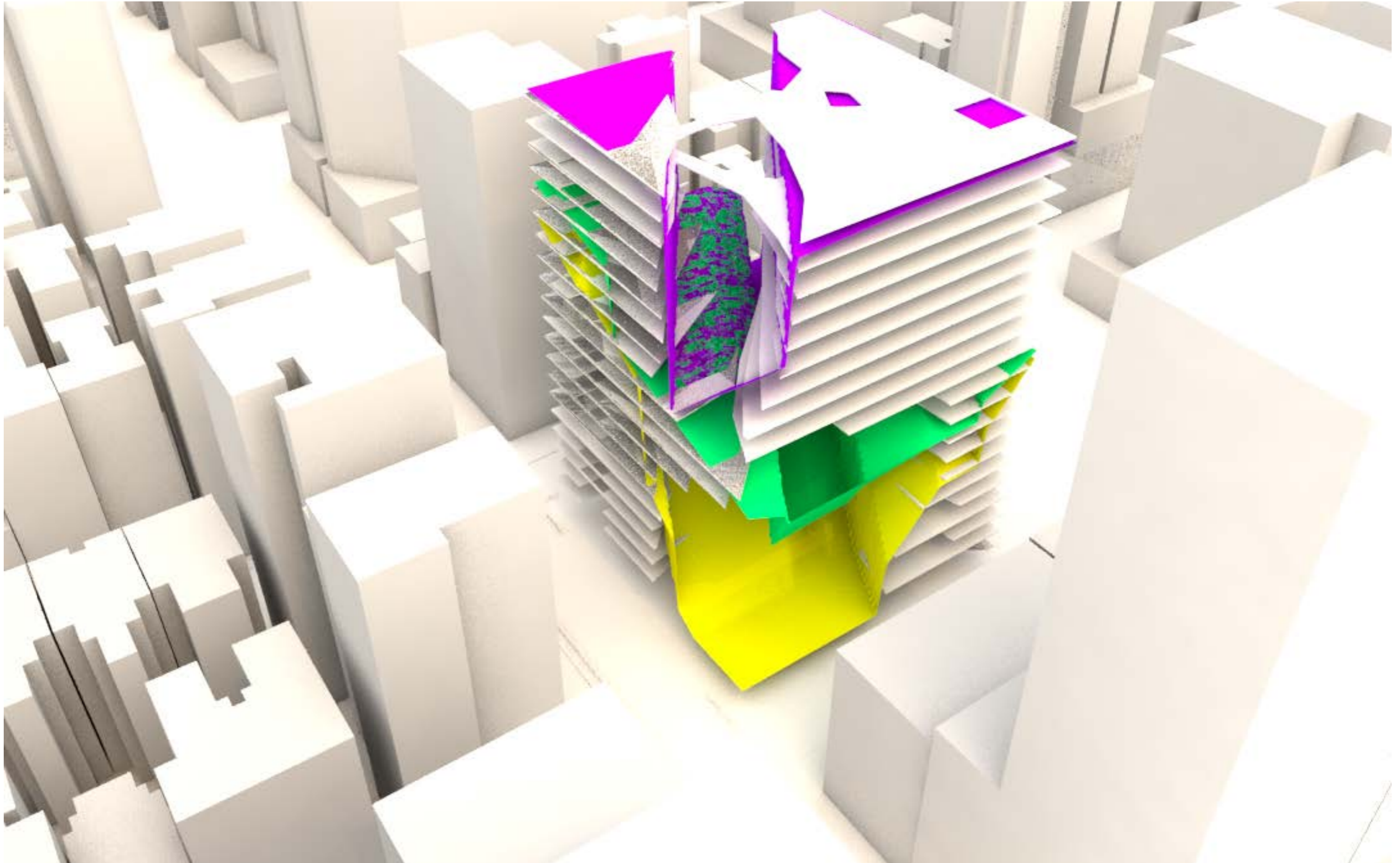
11-13h / 15-17h



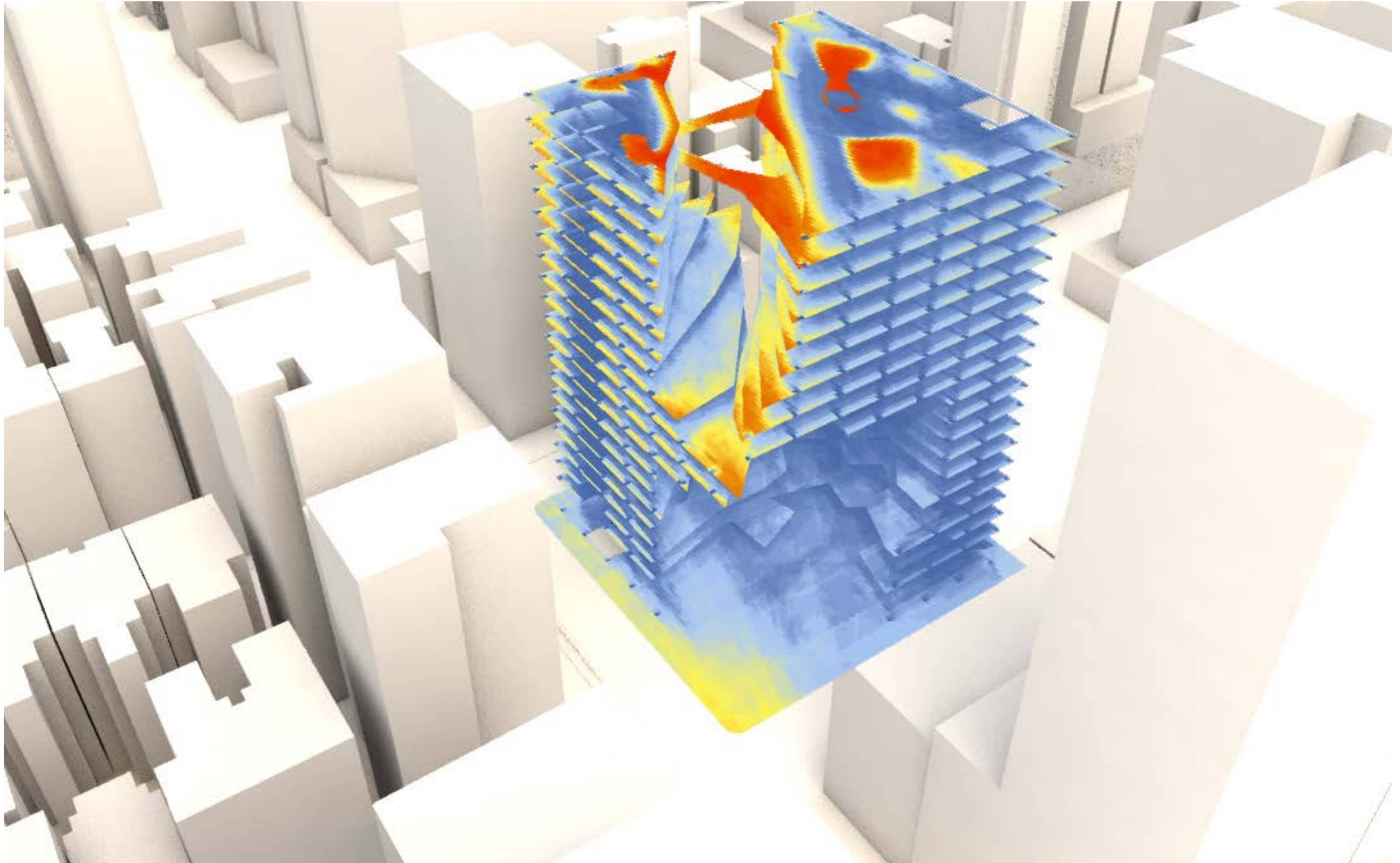
COMPUTATIONAL STRATEGY - MORE EFFICIENT DAYLIGHT USE



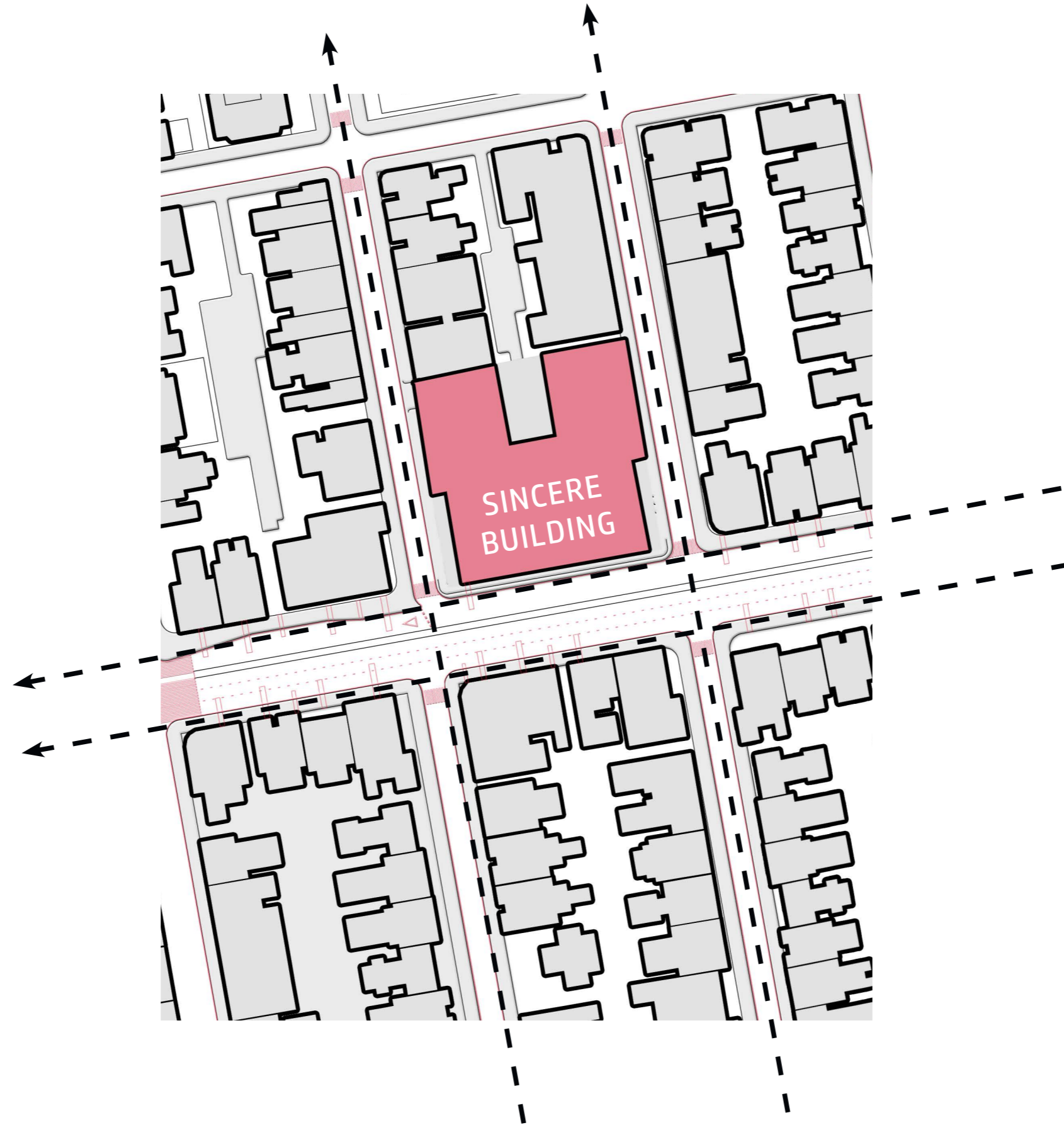
CREATE FLOORS AROUND SHADOW LIMITS



EFFECT ON DIRECT SUNLIGHT



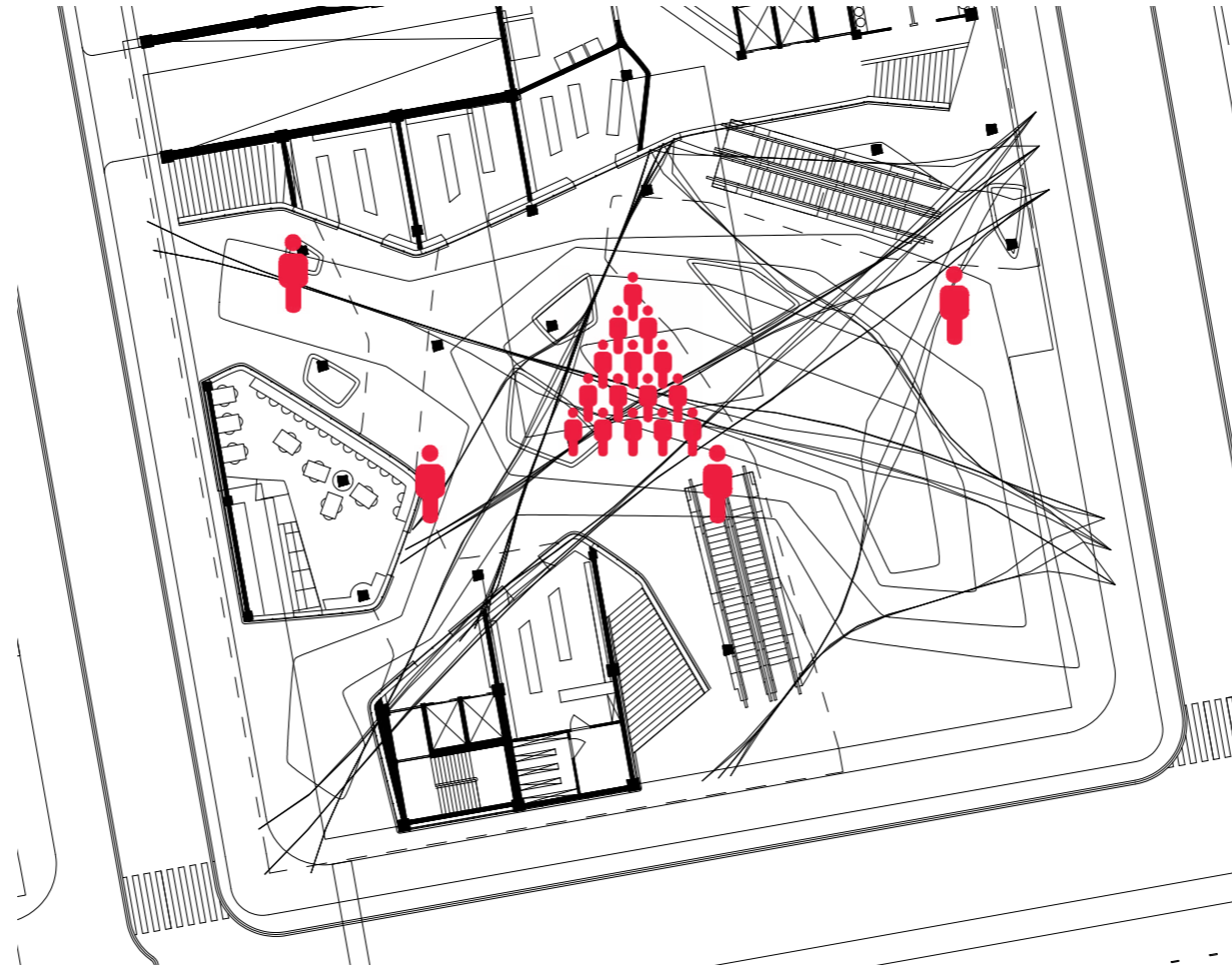
COMPUTATIONAL STRATEGY - INTEGRATING



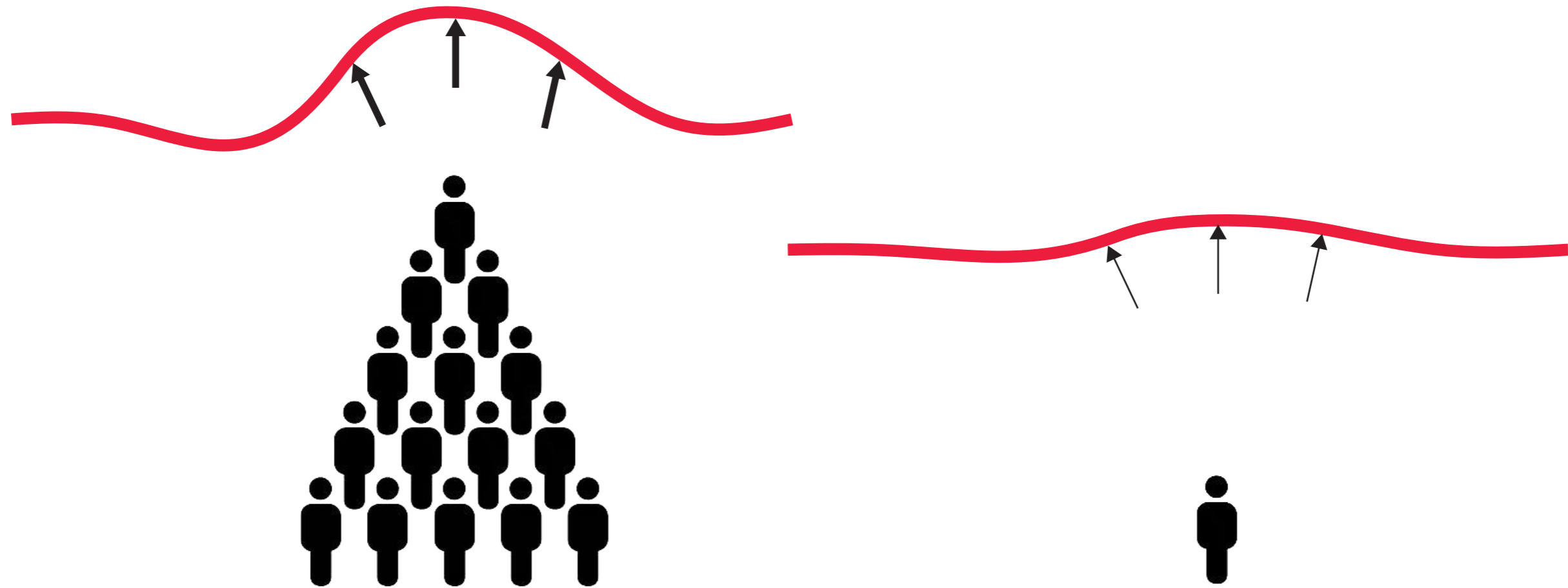
COMPUTATIONAL STRATEGY



COMPUTATIONAL STRATEGY



COMPUTATIONAL STRATEGY



THE HUB.

Final Design.

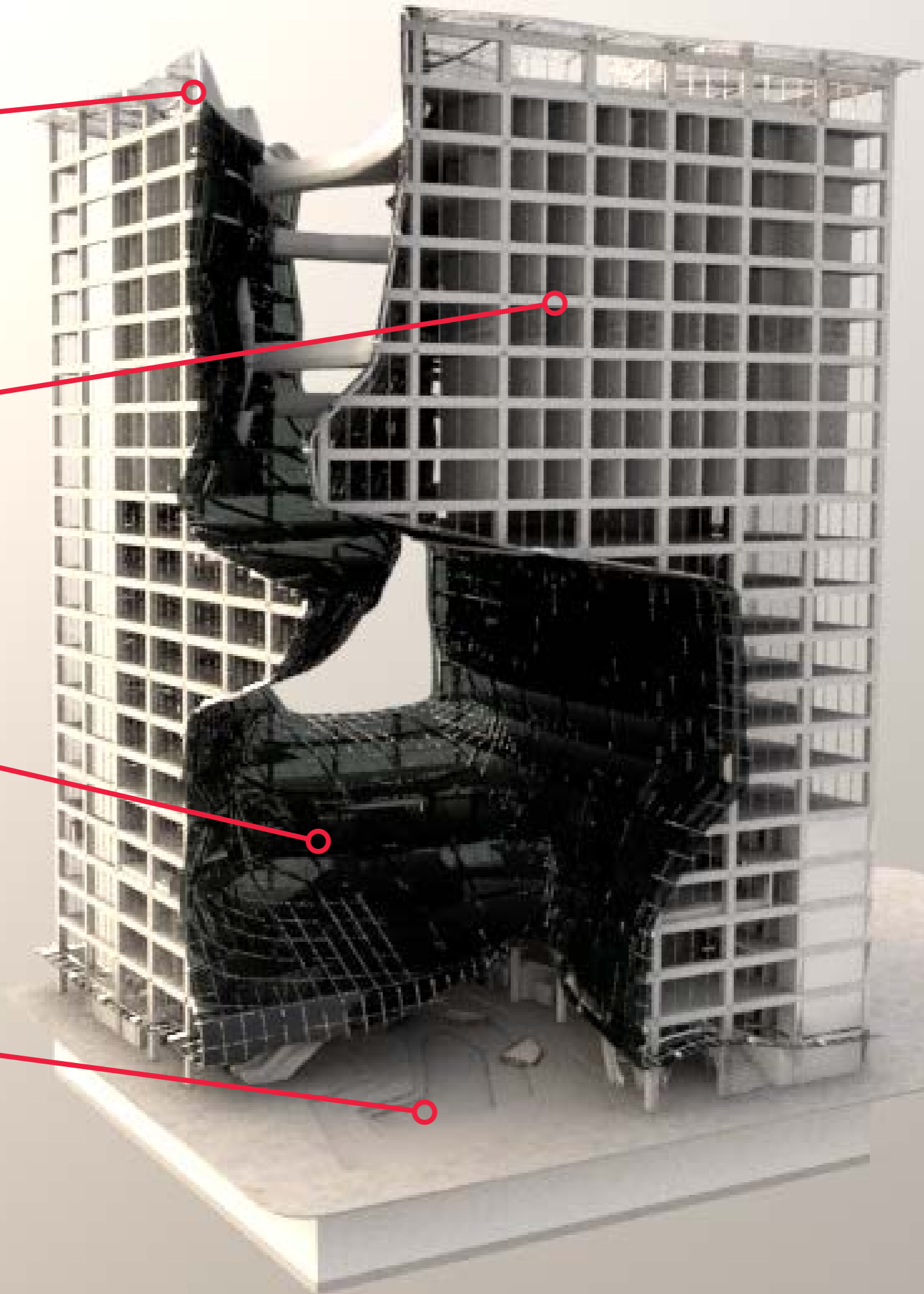
OVERVIEW of *THE HUB*

TOP VIEW

LIVING AND MEETING

THE SHOPPING MALL

THE SQUARE



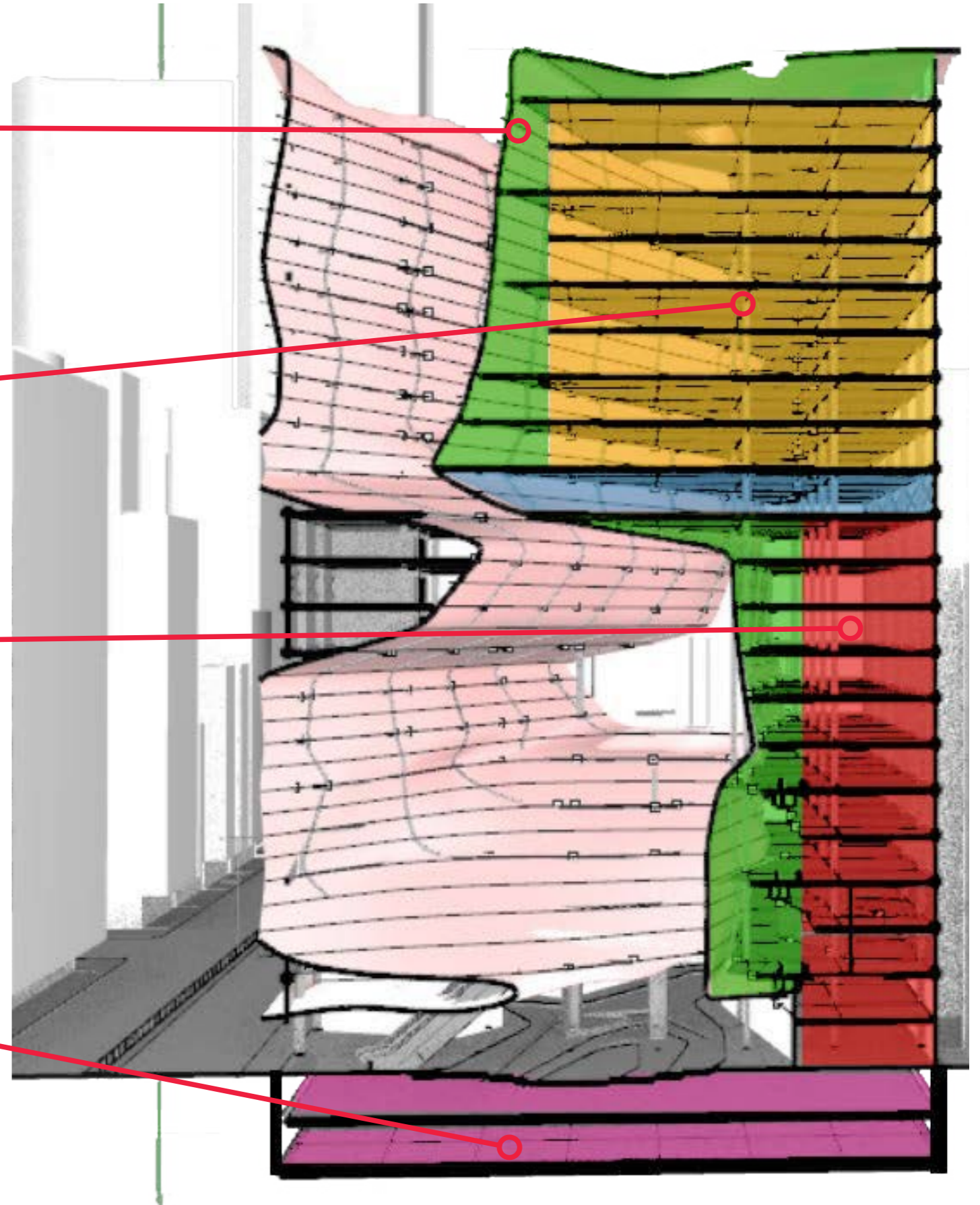
MOST IMPORTANT FUNCTIONS

PUBLIC SPACE

RESIDENTIAL HOUSING

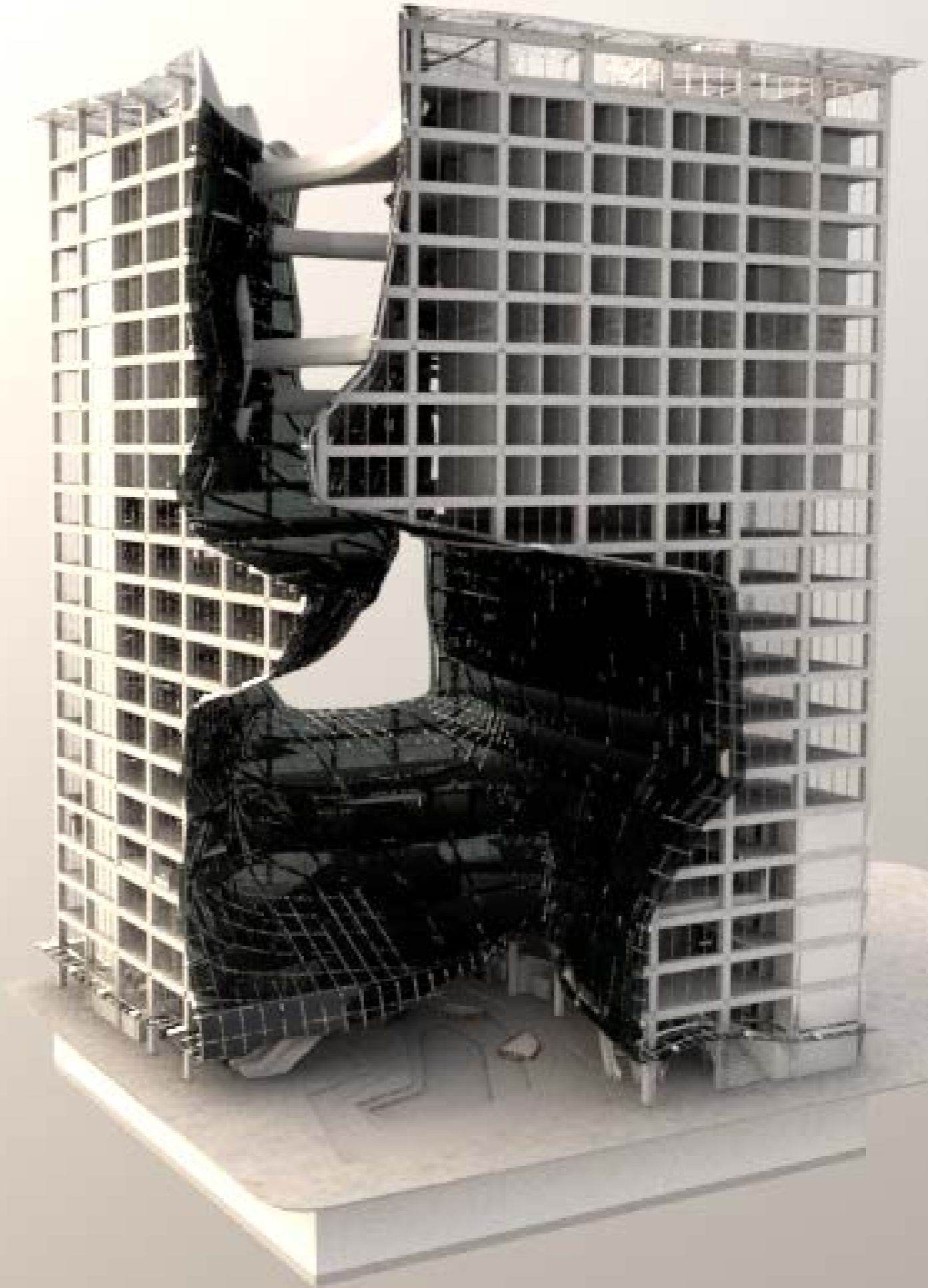
THE SHOPPING MALL

PARKING



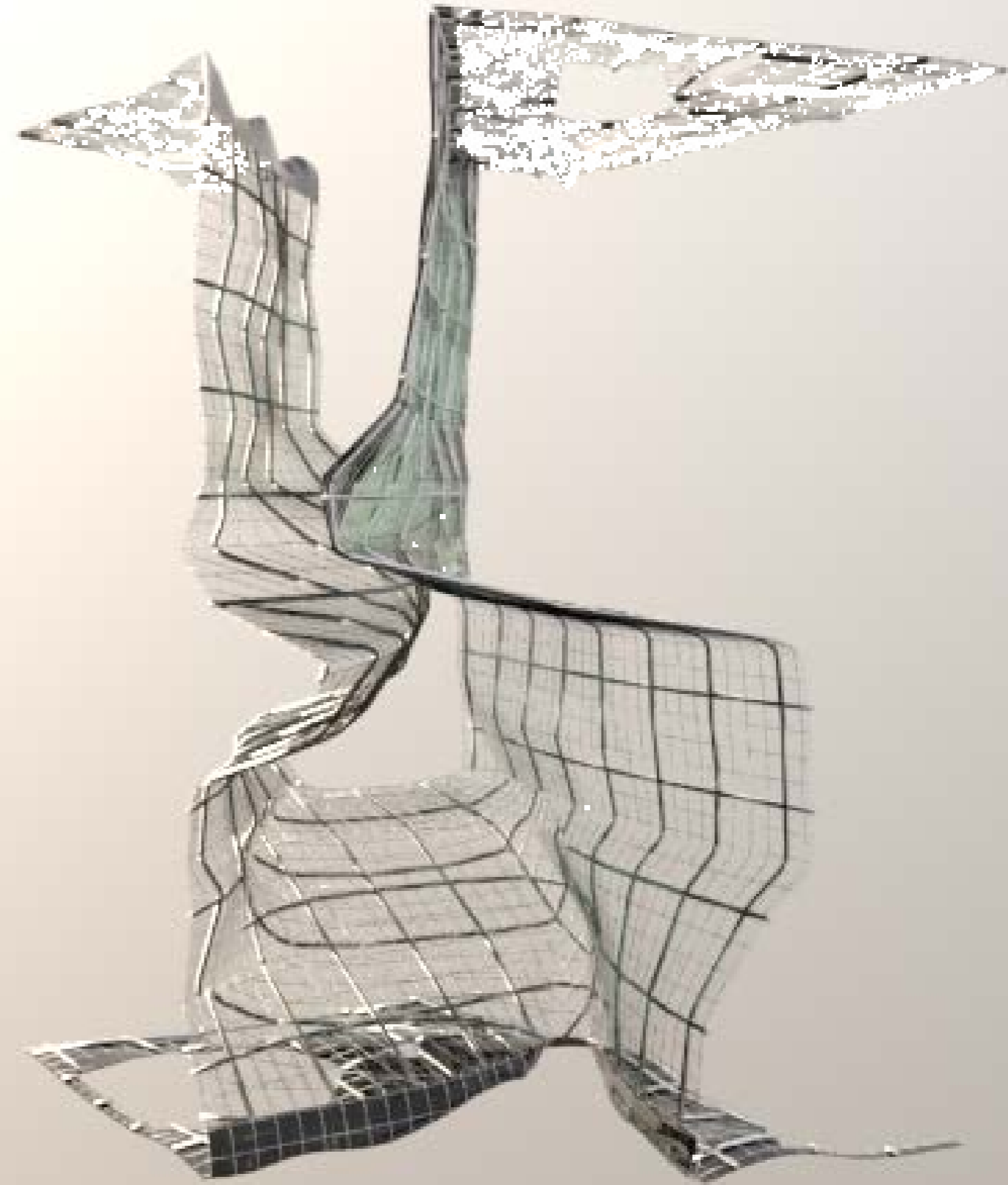
OVERVIEW OF *THE HUB*

MULTIFUNCTIONAL ENVELOPE



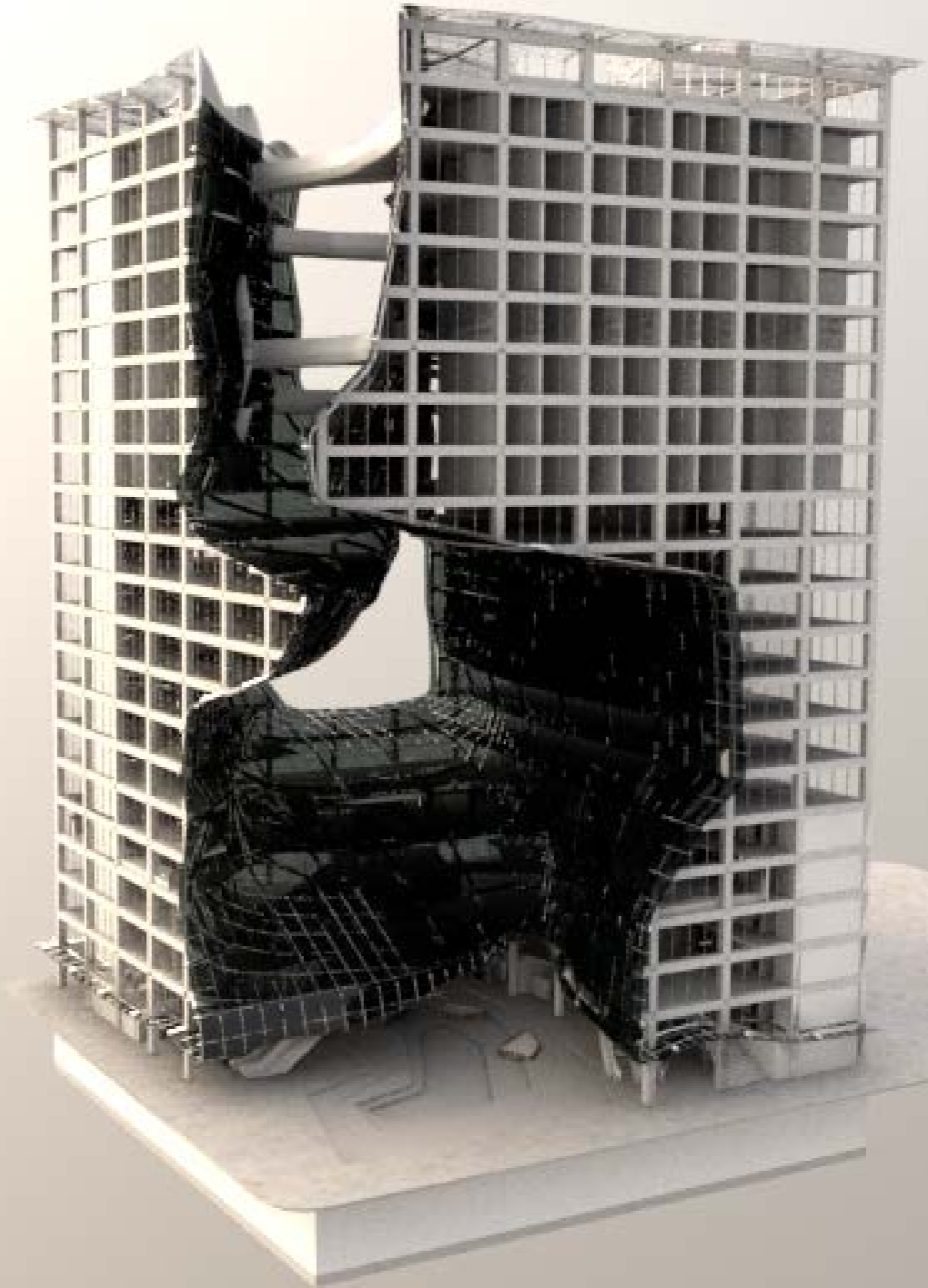
OVERVIEW OF *THE HUB*

MULTIFUNCTIONAL ENVELOPE



OVERVIEW OF *THE HUB*

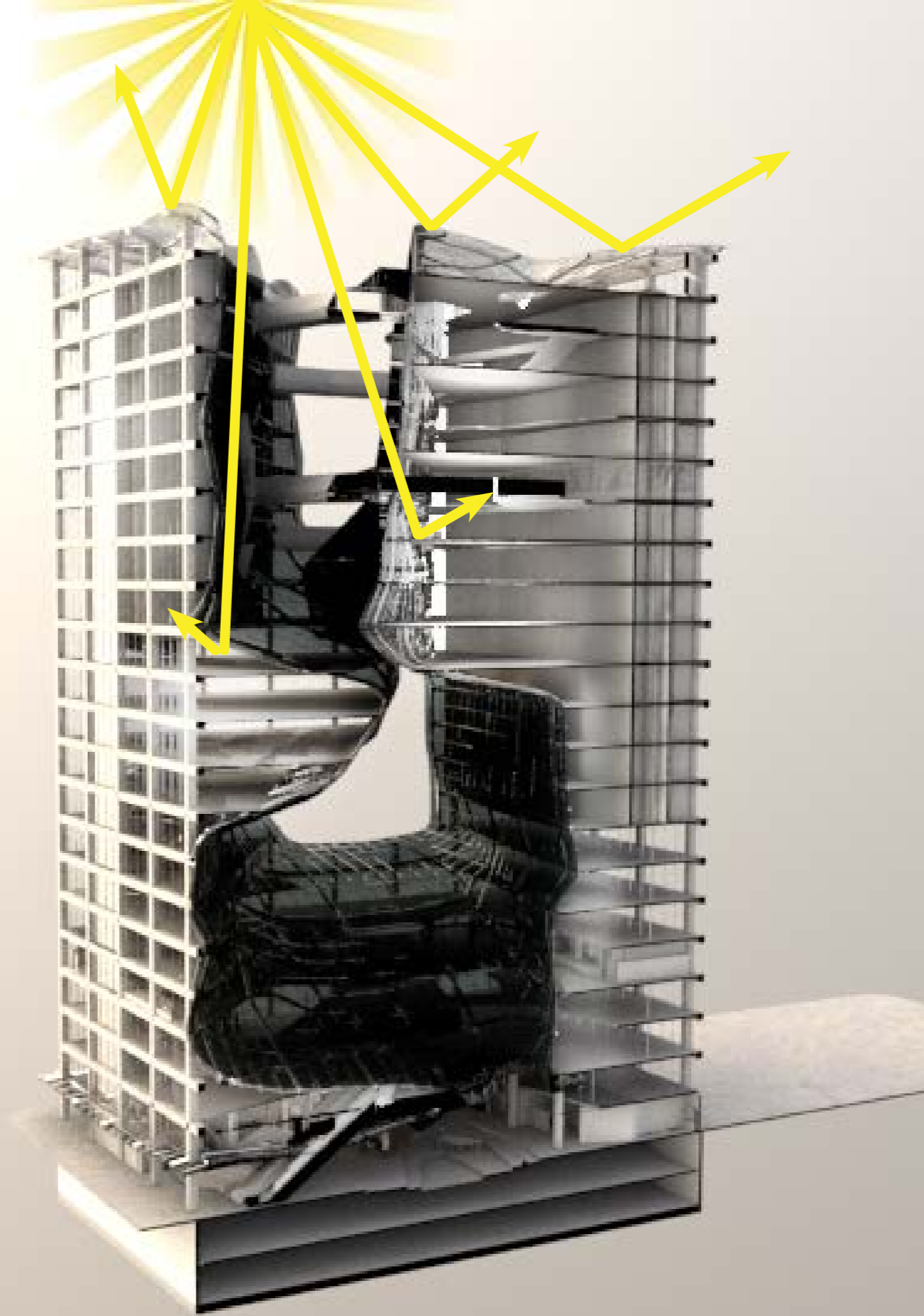
MULTIFUNCTIONAL ENVELOPE



OVERVIEW OF *THE HUB'S* ENVELOPE

SHADE & LIGHT

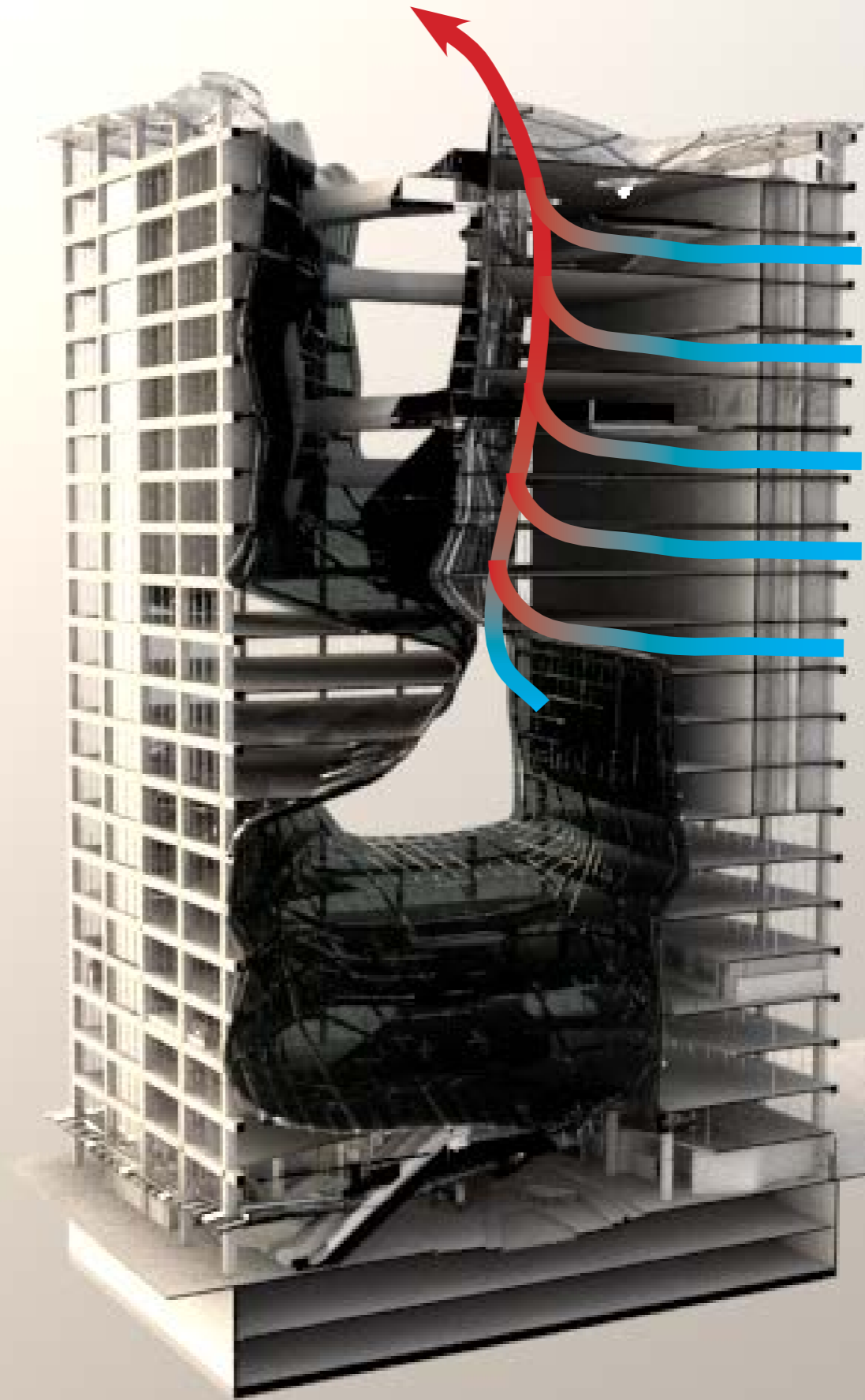
NATURAL VENTILATION



OVERVIEW OF *THE HUB*'s ENVELOPE

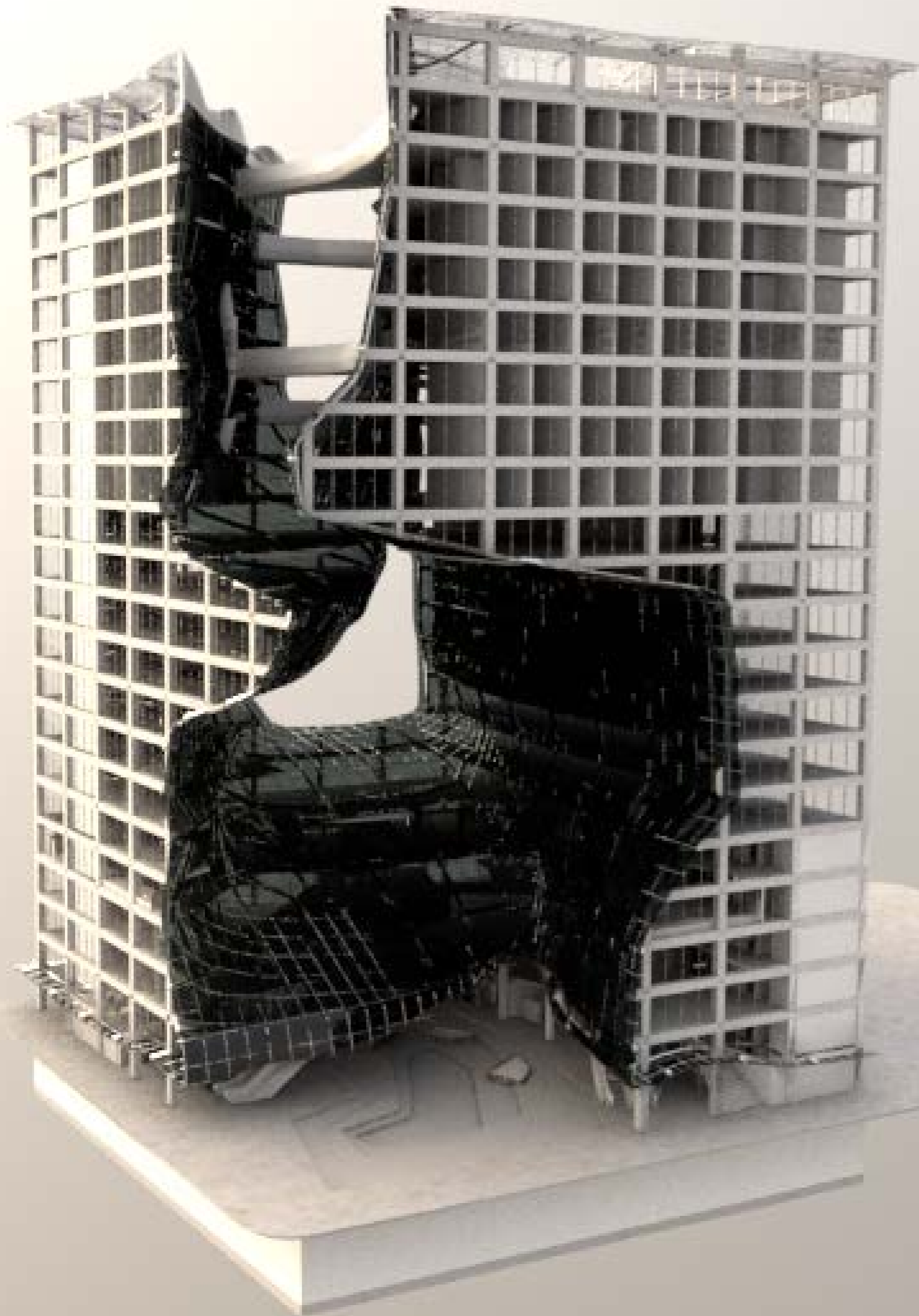
SHADE & LIGHT

NATURAL VENTILATION



SECTION

OVERVIEW OF *THE HUB*'s ENVELOPE



LIGHT AND ADVERTISEMENT

SOUND ABSORPTION

OVERVIEW OF *THE HUB's ENVELOPE*

LIGHT AND ADVERTISEMENT

SOUND ABSORPTION





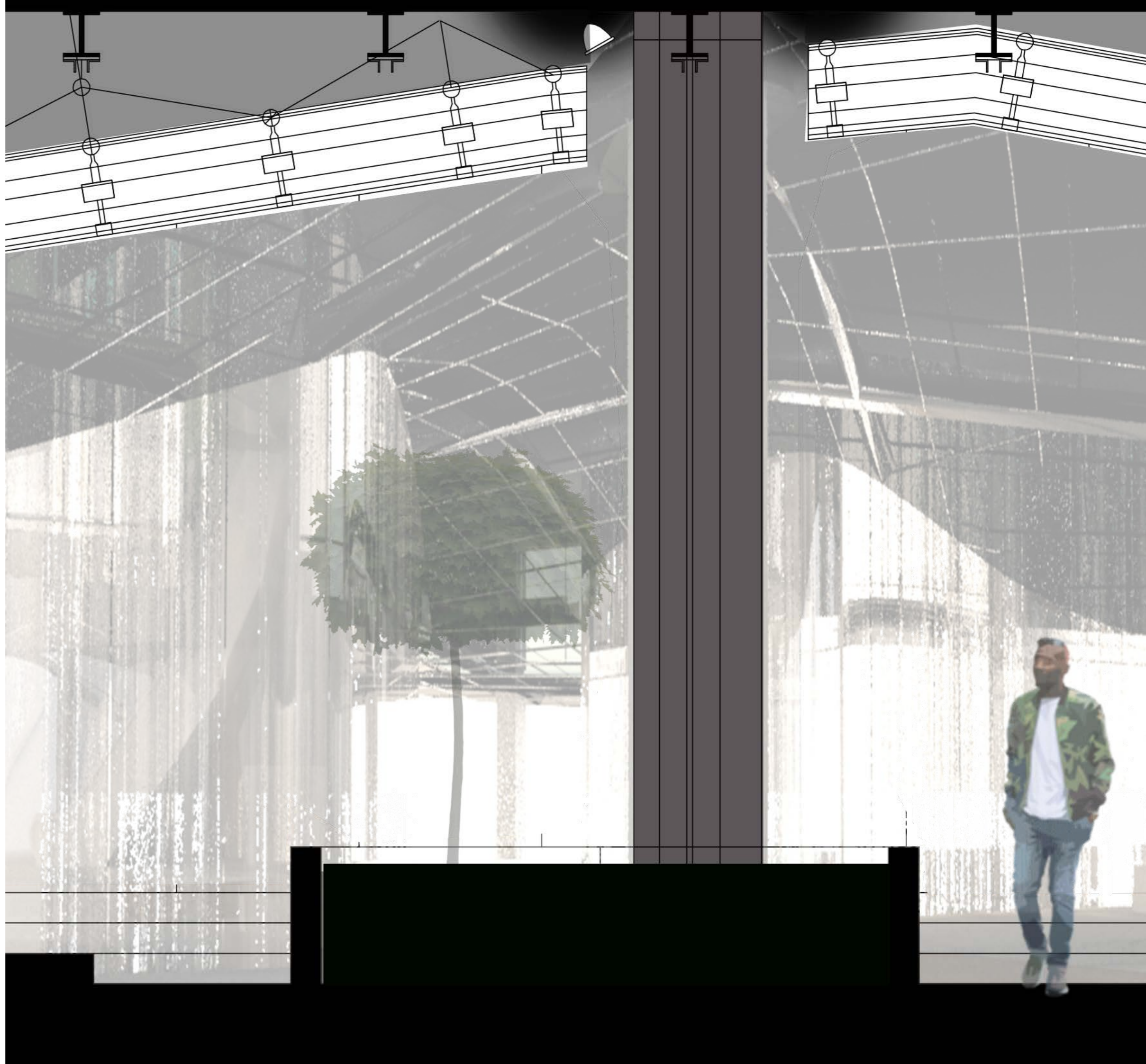
GROUND FLOOR

**STAIRS/BENCHES
TO RELAX**

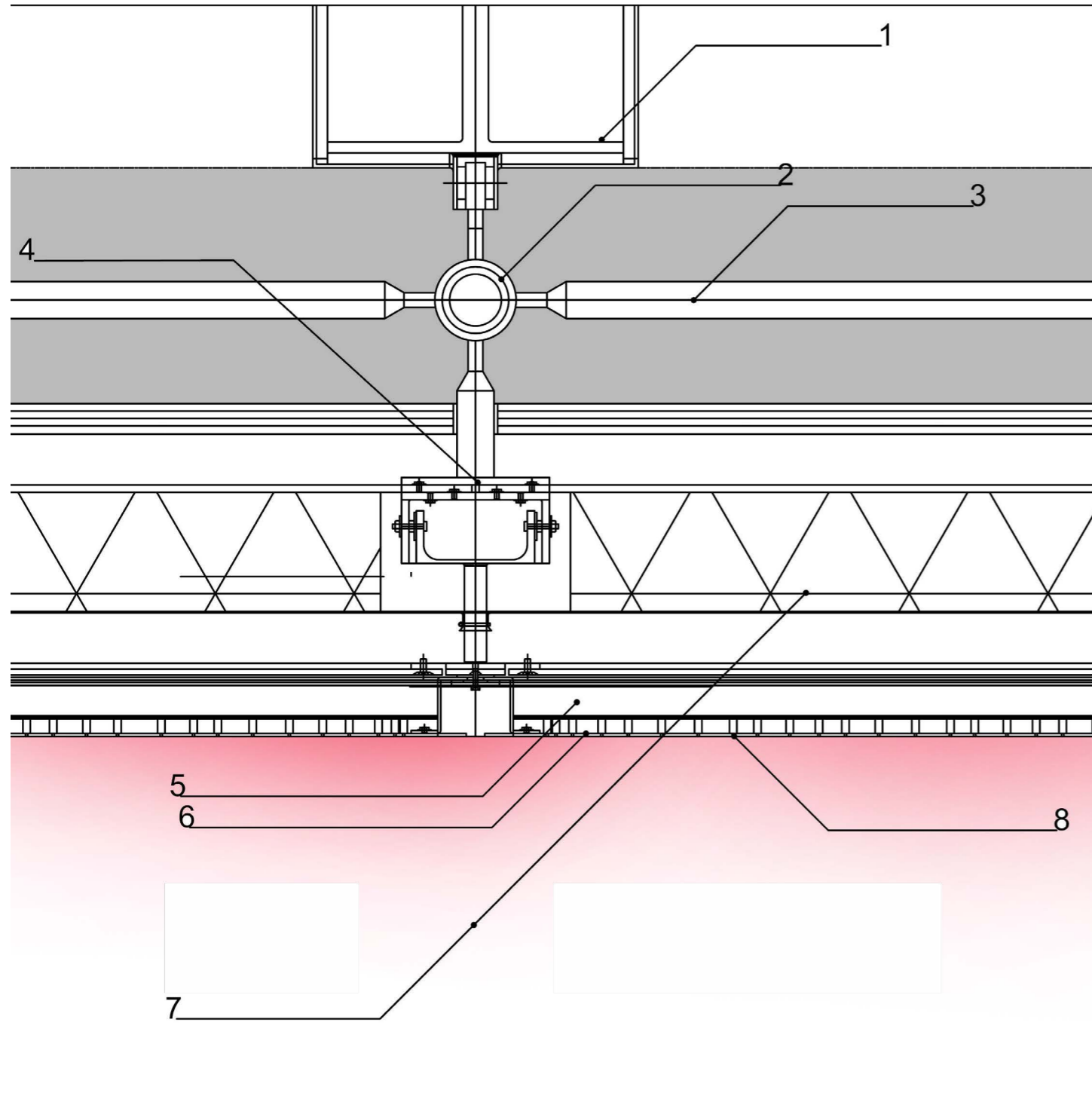
COFFEE SHOP

**SOUND AB-
SORBING EL-
EMENTS**

CEILING

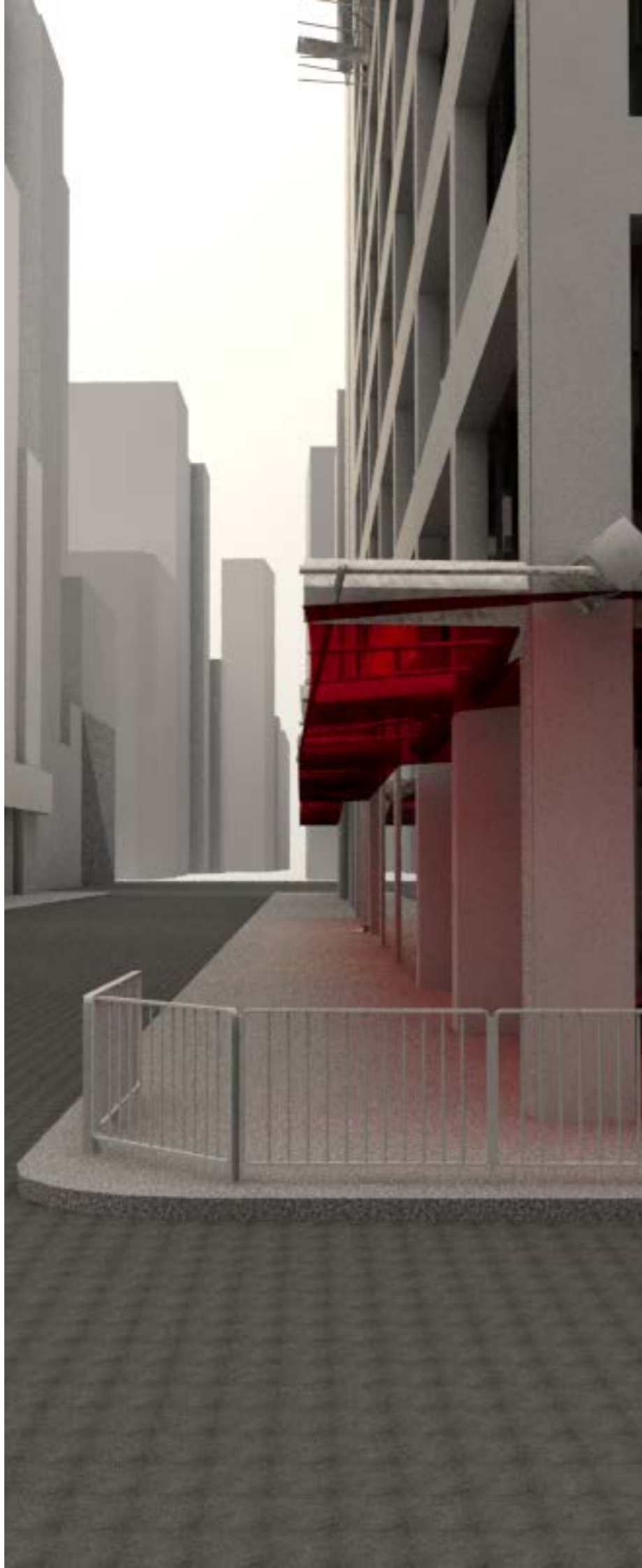


CLOSE UP OF CEILING ELEMENT

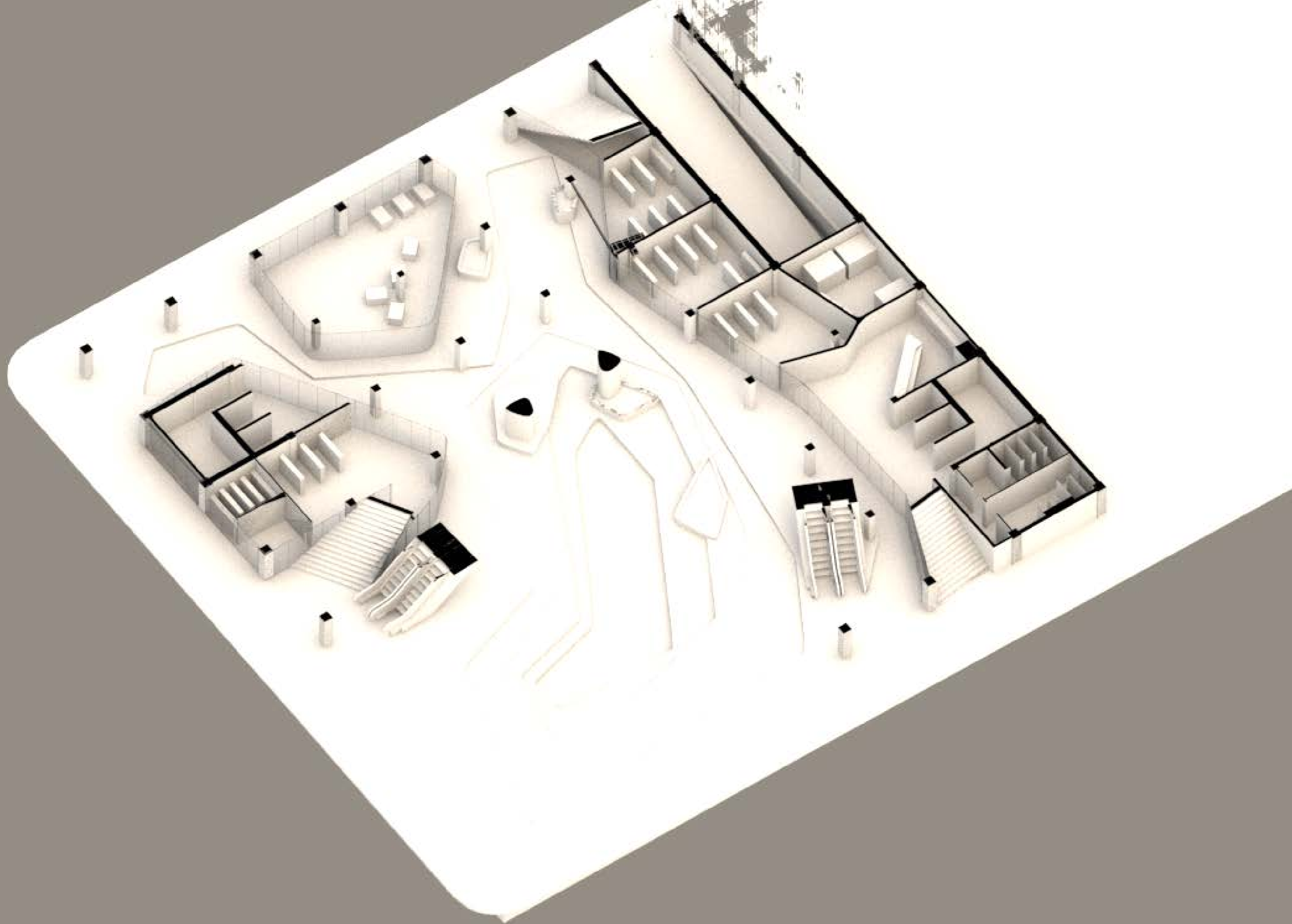


CLOSE UP OF CEILING ELEMENT

1. Ceiling H-Beam
2. Stainless Steel Constr. Ball
3. Steel Rods of Space Frame
4. Connector Space Frame/Element
5. Space in between
6. Sound Absorber Holes
7. Insulation
8. Reflective Holed Panel



SIDEWALK RAIN PROTECTION



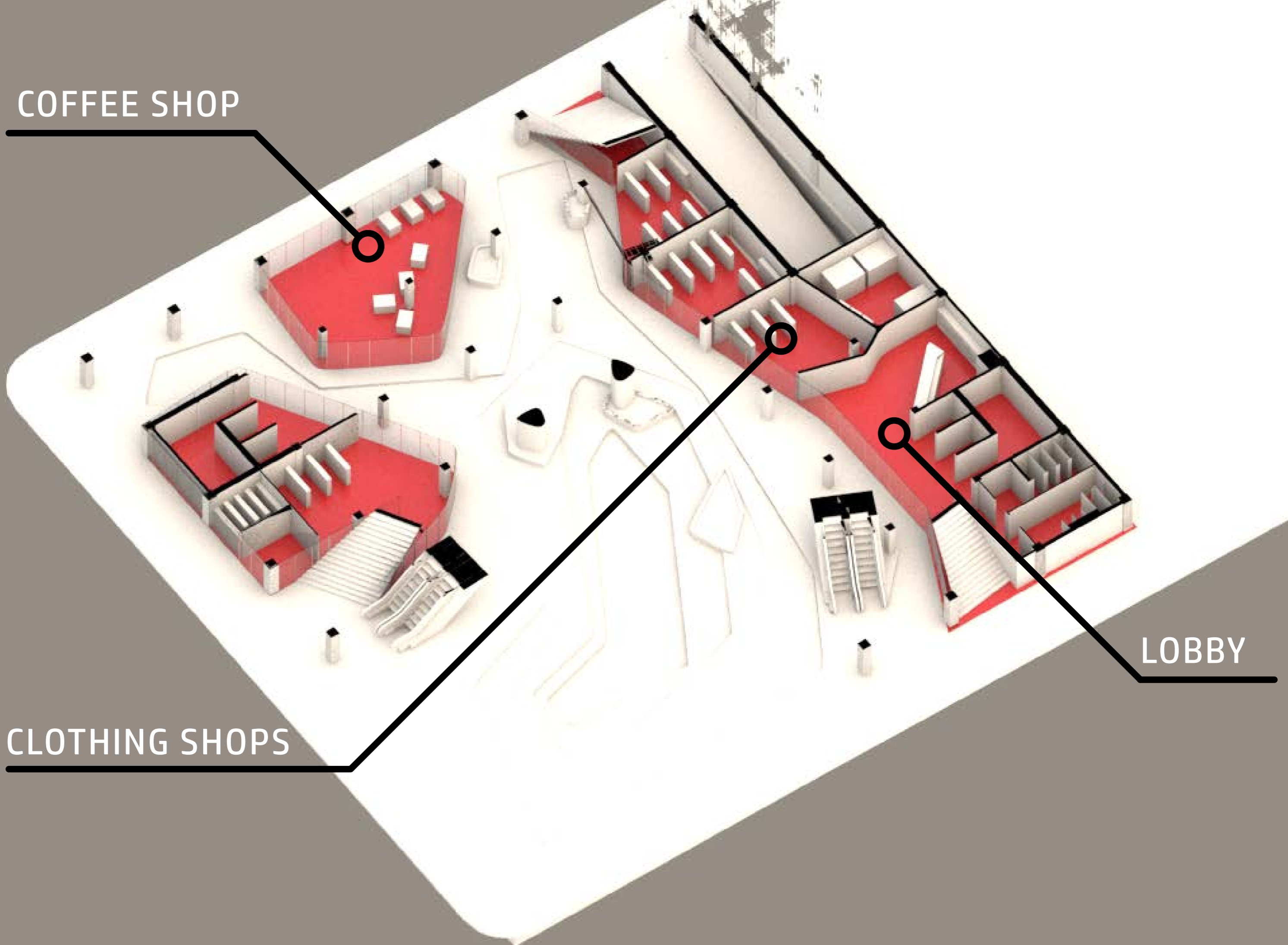
COFFEE SHOP



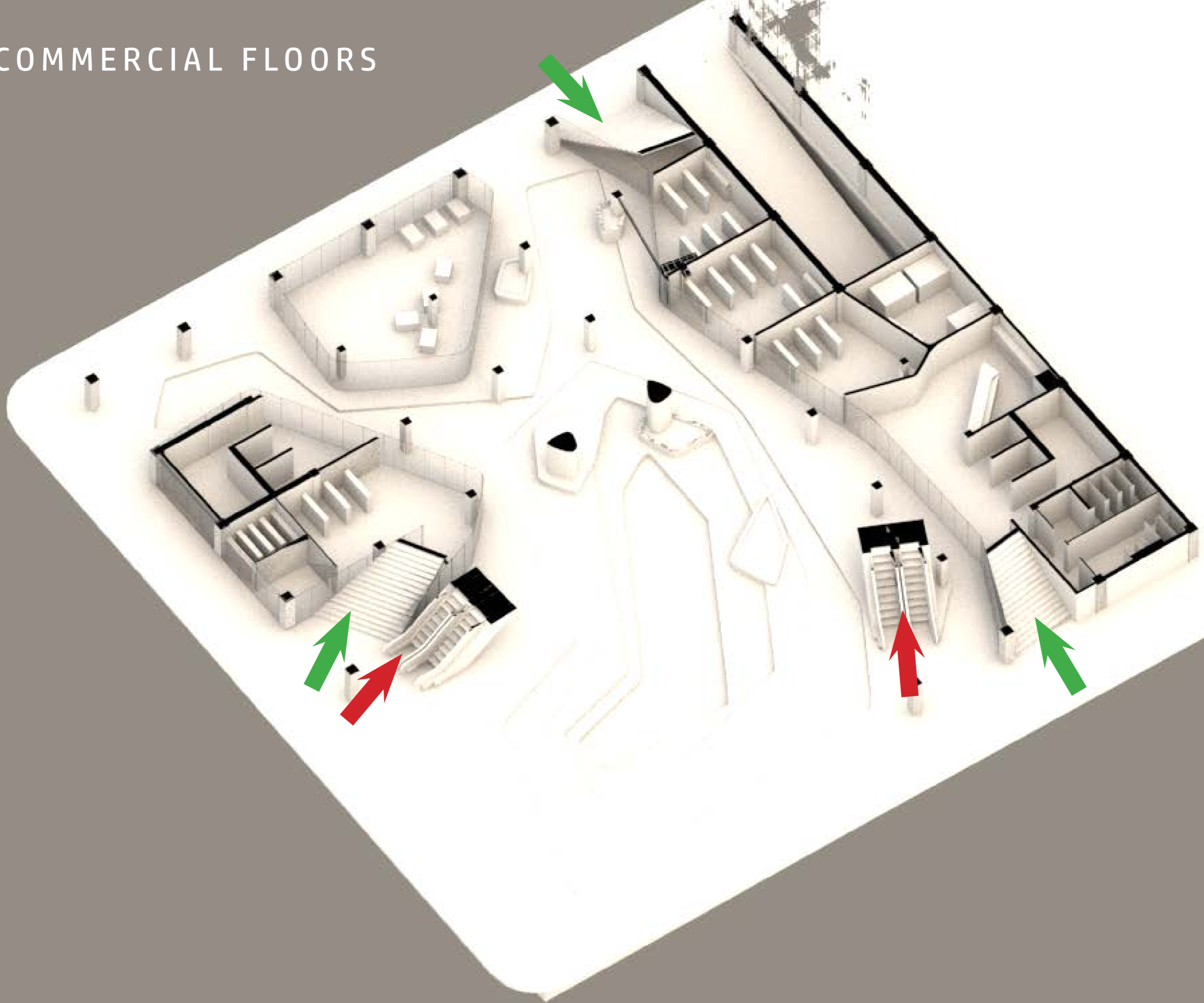
CLOTHING SHOPS



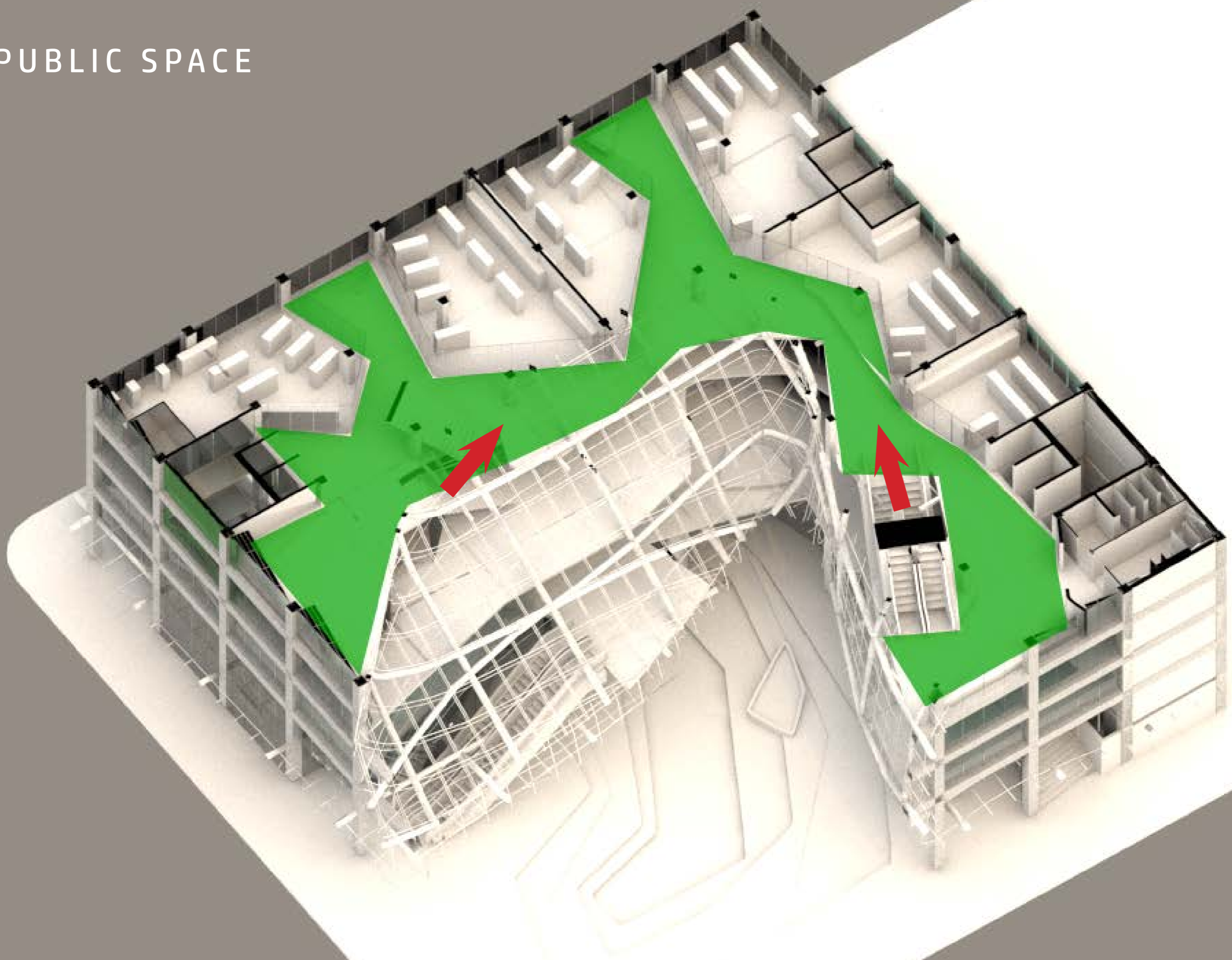
LOBBY



COMMERCIAL FLOORS



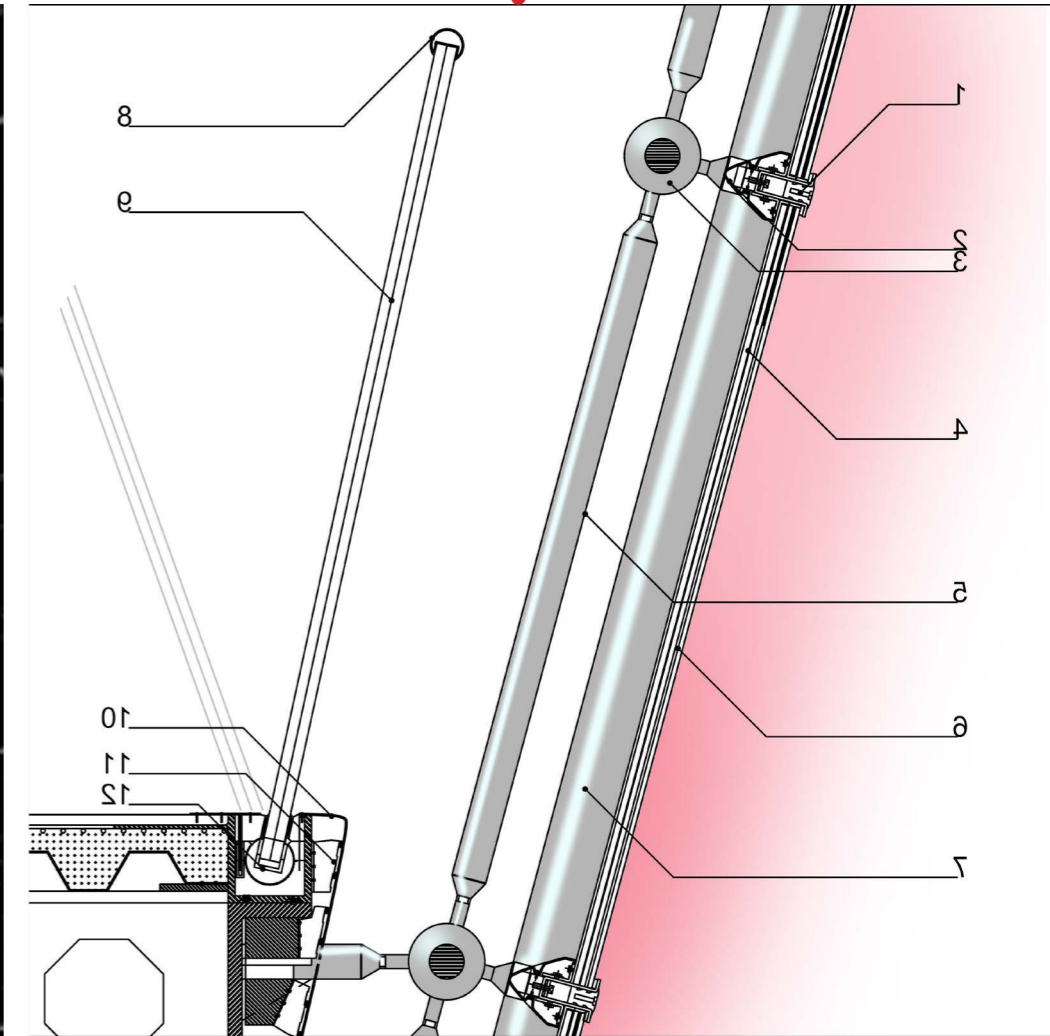
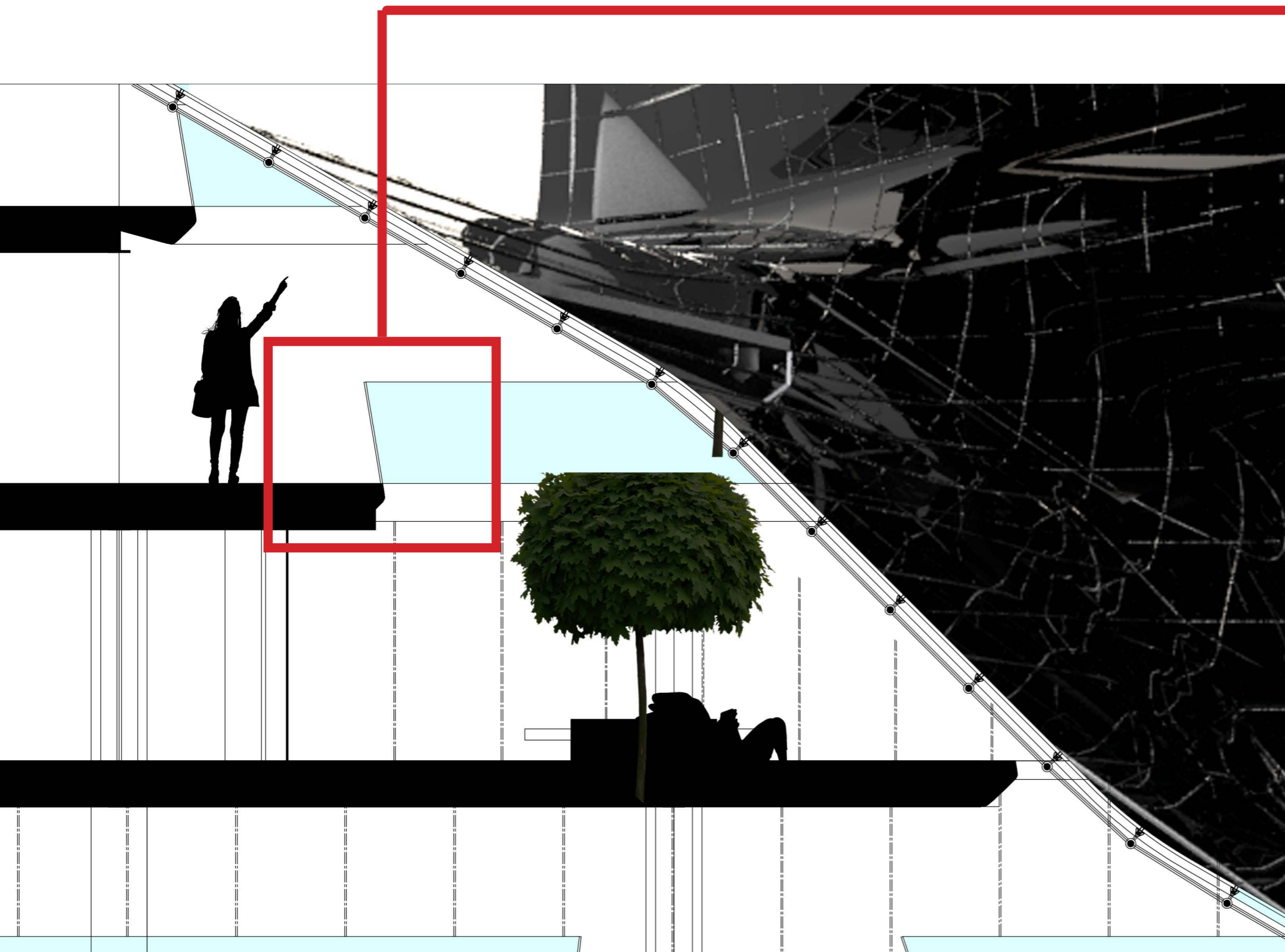
PUBLIC SPACE



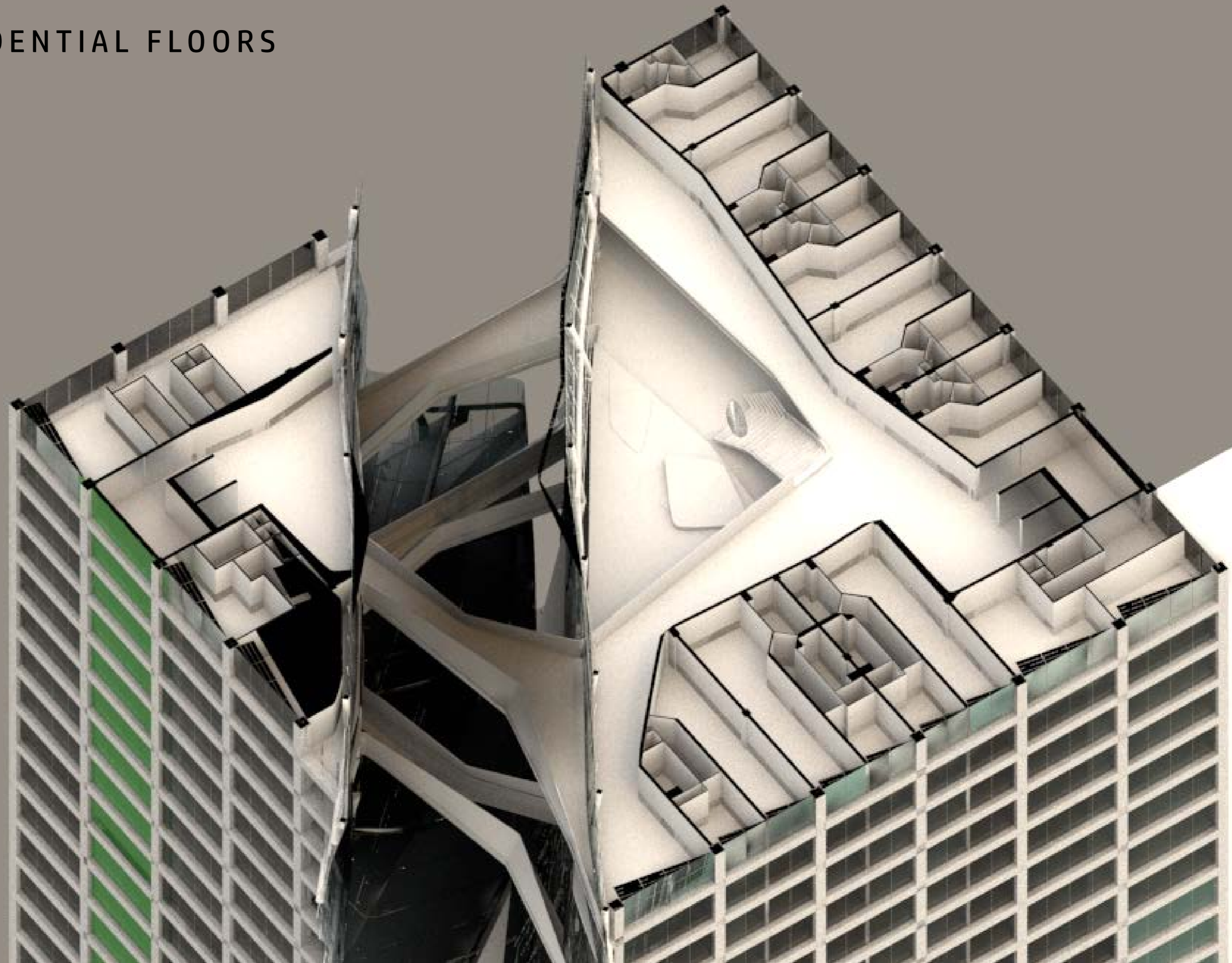
FUNCTIONS



COMMERCIAL FLOOR - SECTION



RESIDENTIAL FLOORS



IMPRESSION

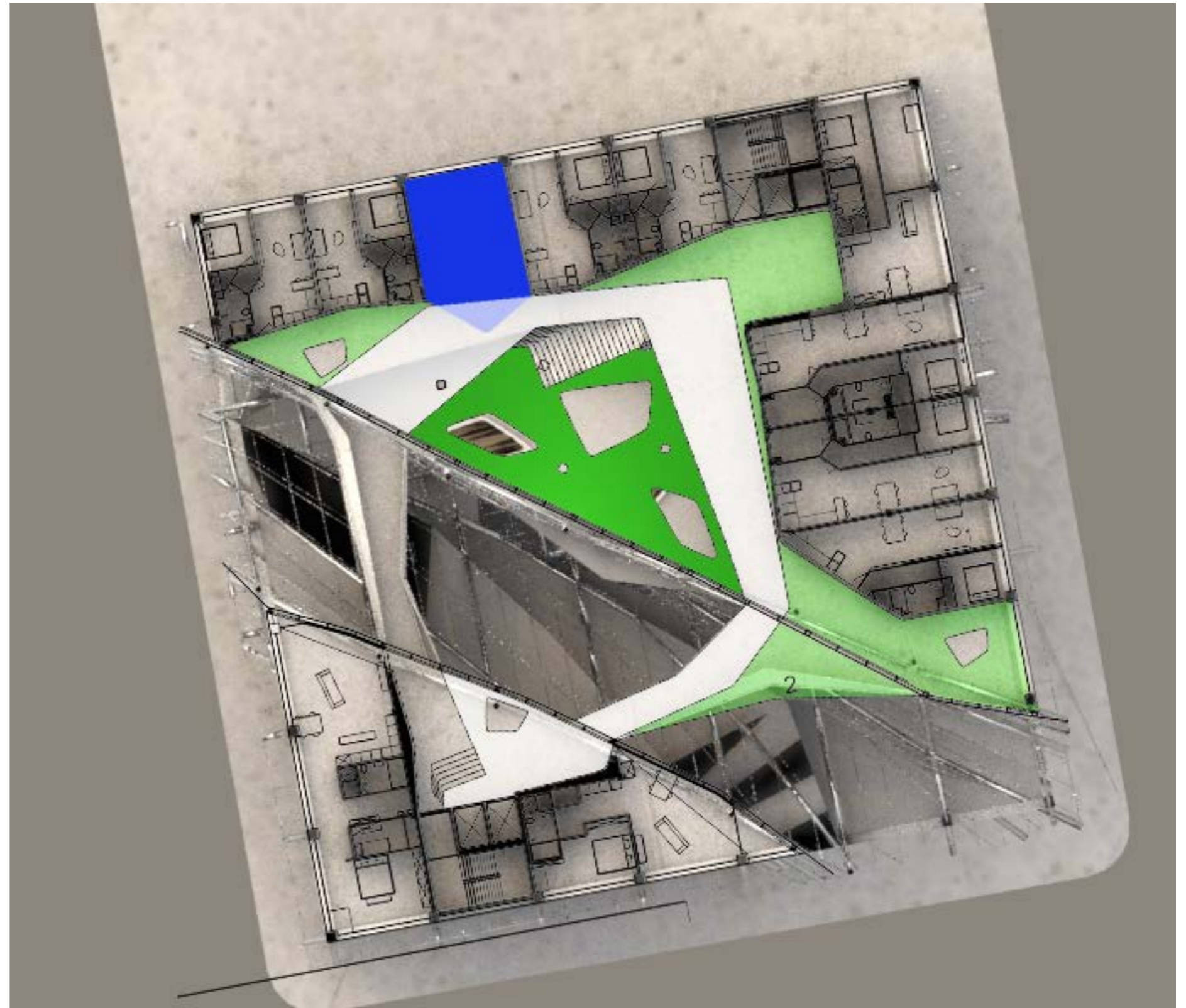


DIFFERENT PEOPLE, SPACE TO SOCIALIZE

COFFEECORNER

GREEN PLACES

SMALL CORNERS FOR
MORE PRIVACY



DIFFERENT PEOPLE, DIFFERENT APARTMENTS

Smaller Apartment

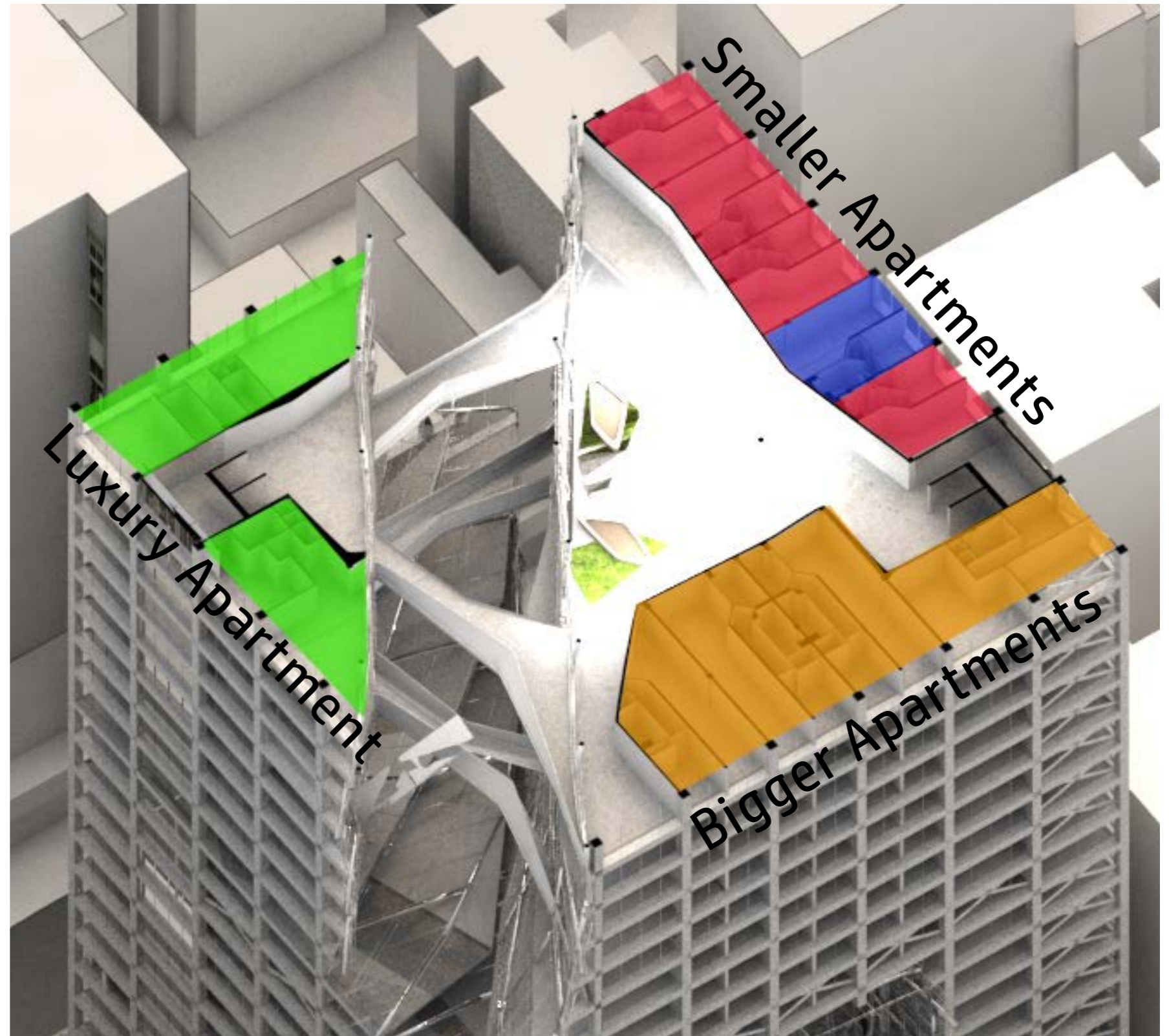
- 40 Sqm

Bigger Apartment

- 60 Sqm

Luxury Apartment

- 60 Sqm + balcony



ORTHOGONAL FACADE

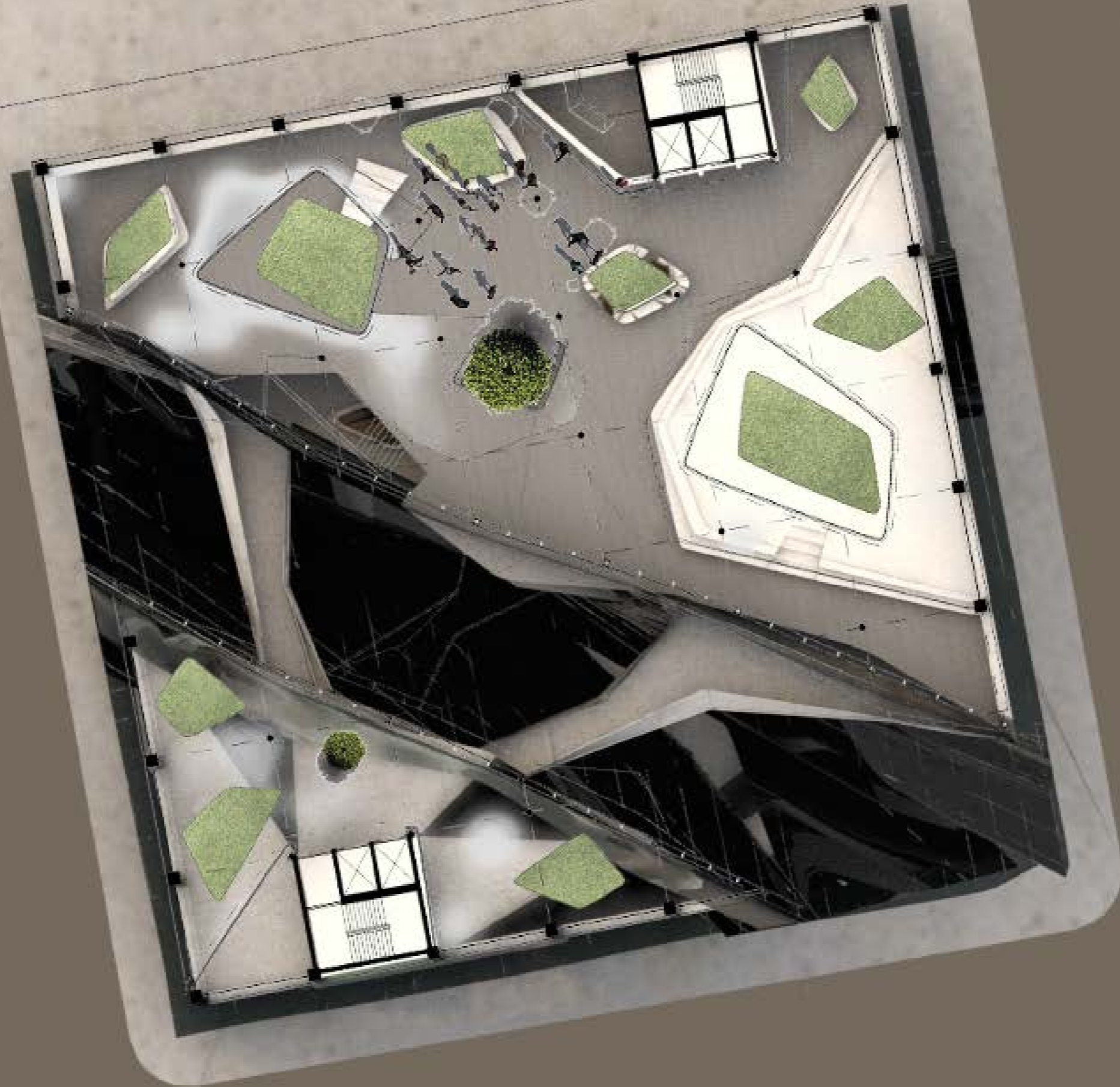
Elektro Dynamic Daylighting System

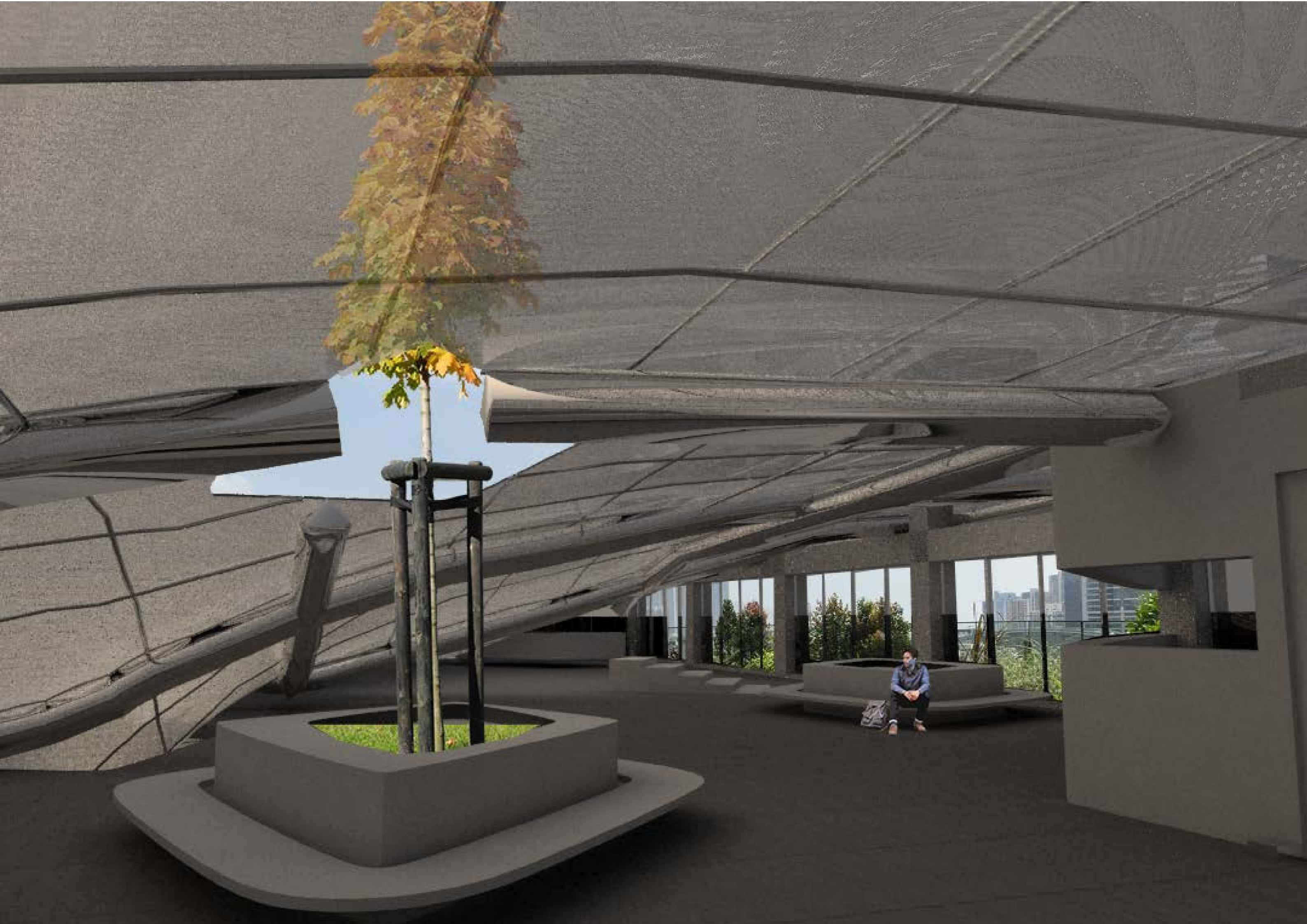


CONTINUING THE STREET TO THE ROOF



ROOF

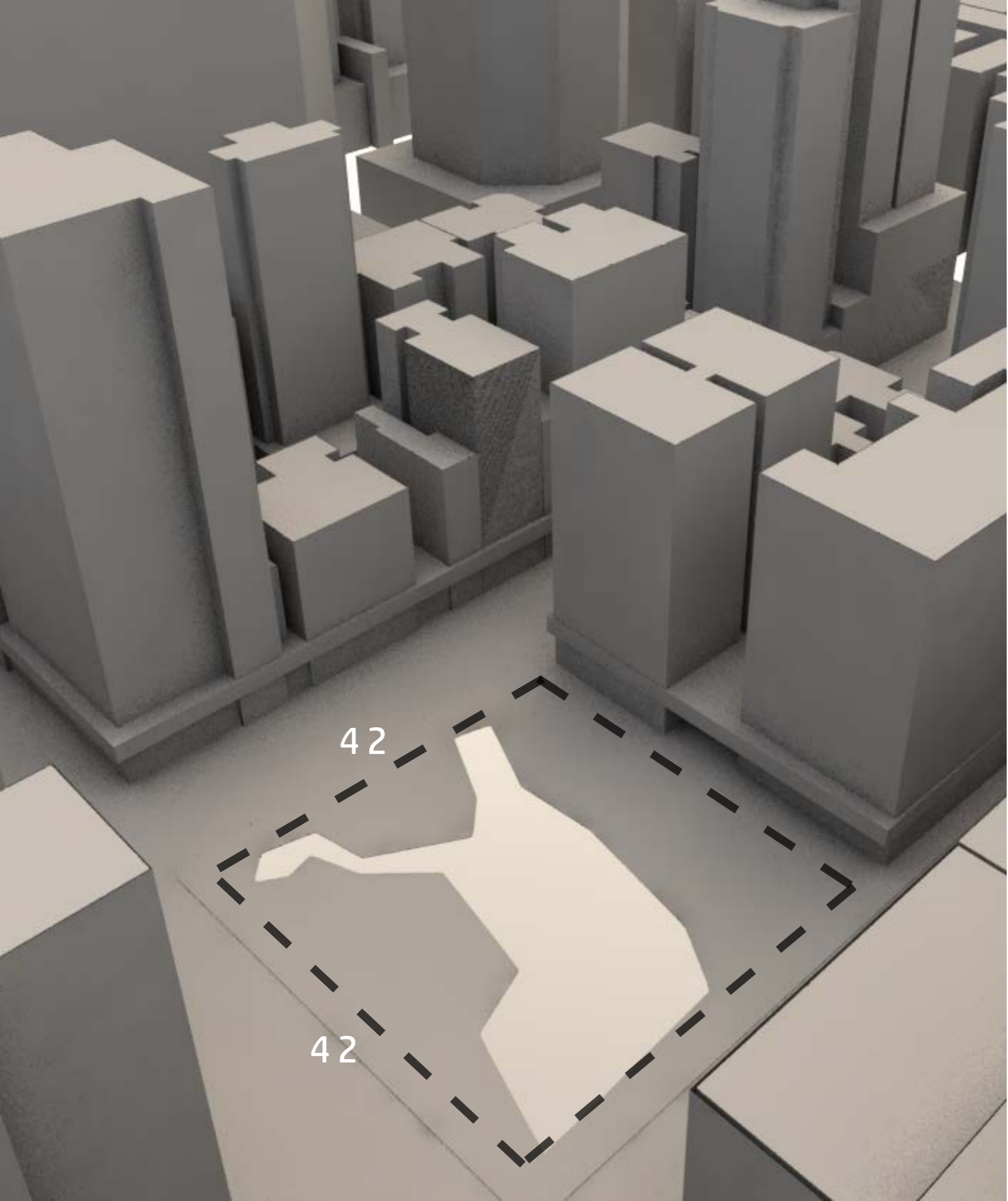




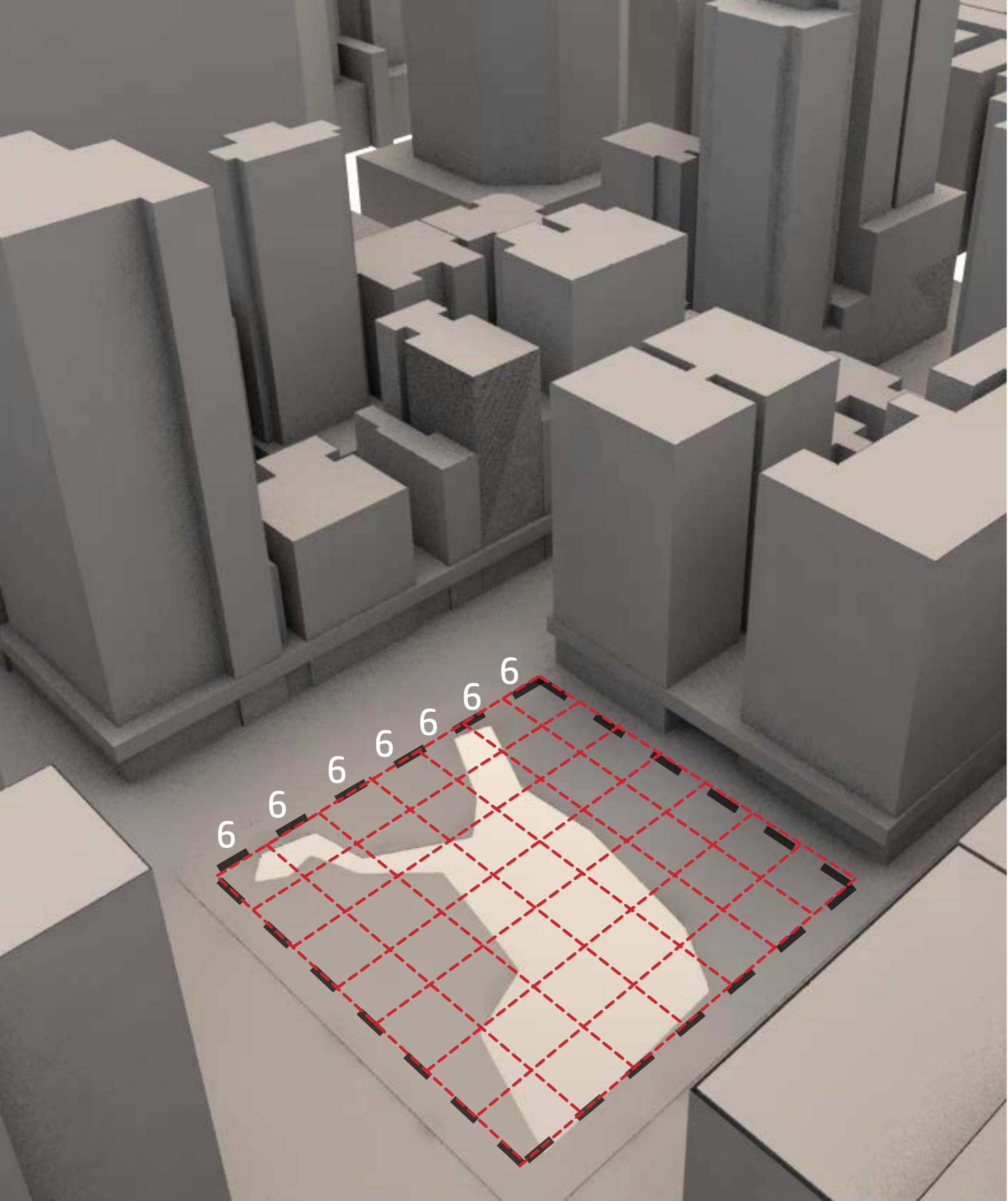
THE HUB.

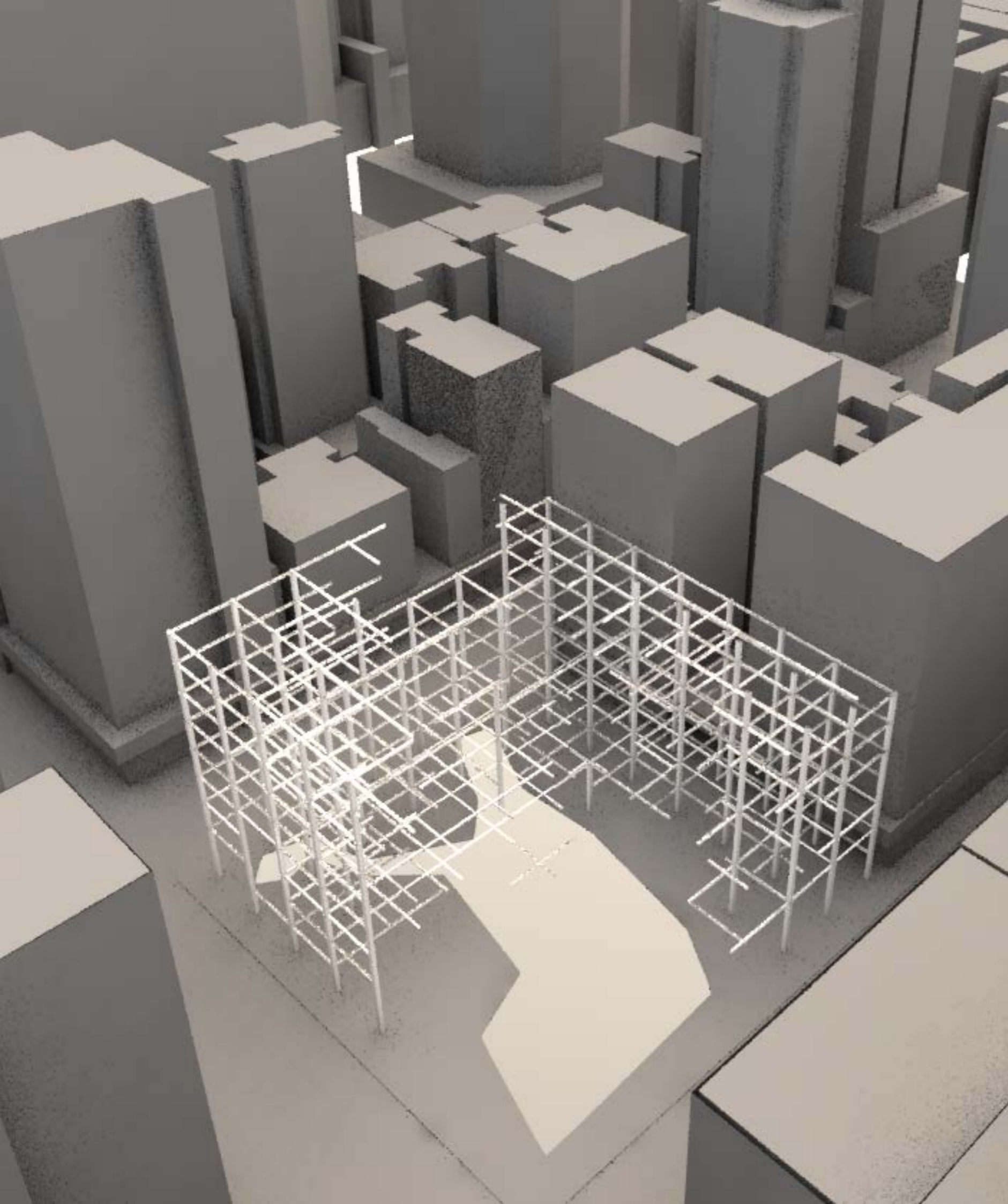
CONSTRUCTING

CONSTRUCTING THE HUB



CONSTRUCTING THE HUB



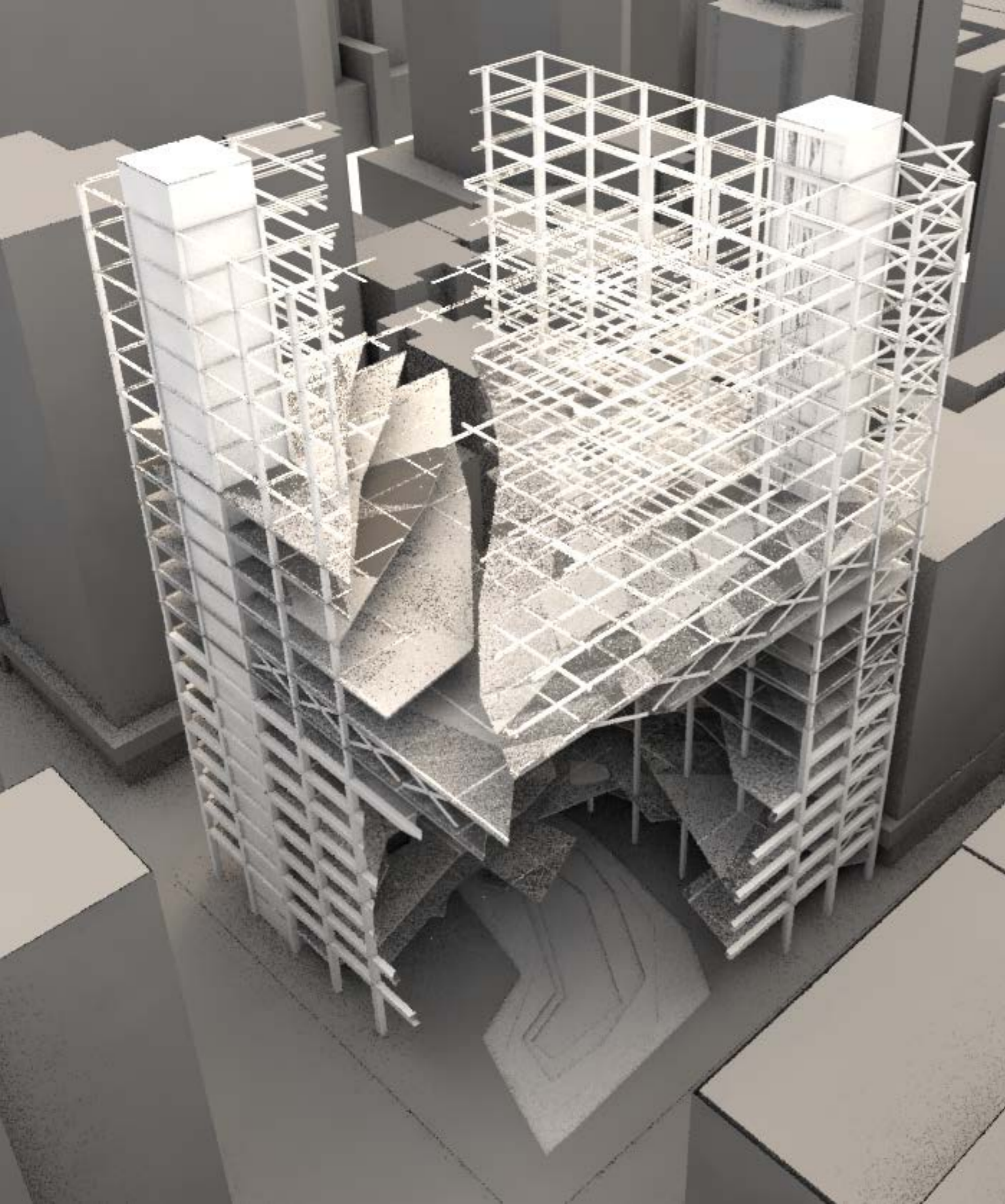


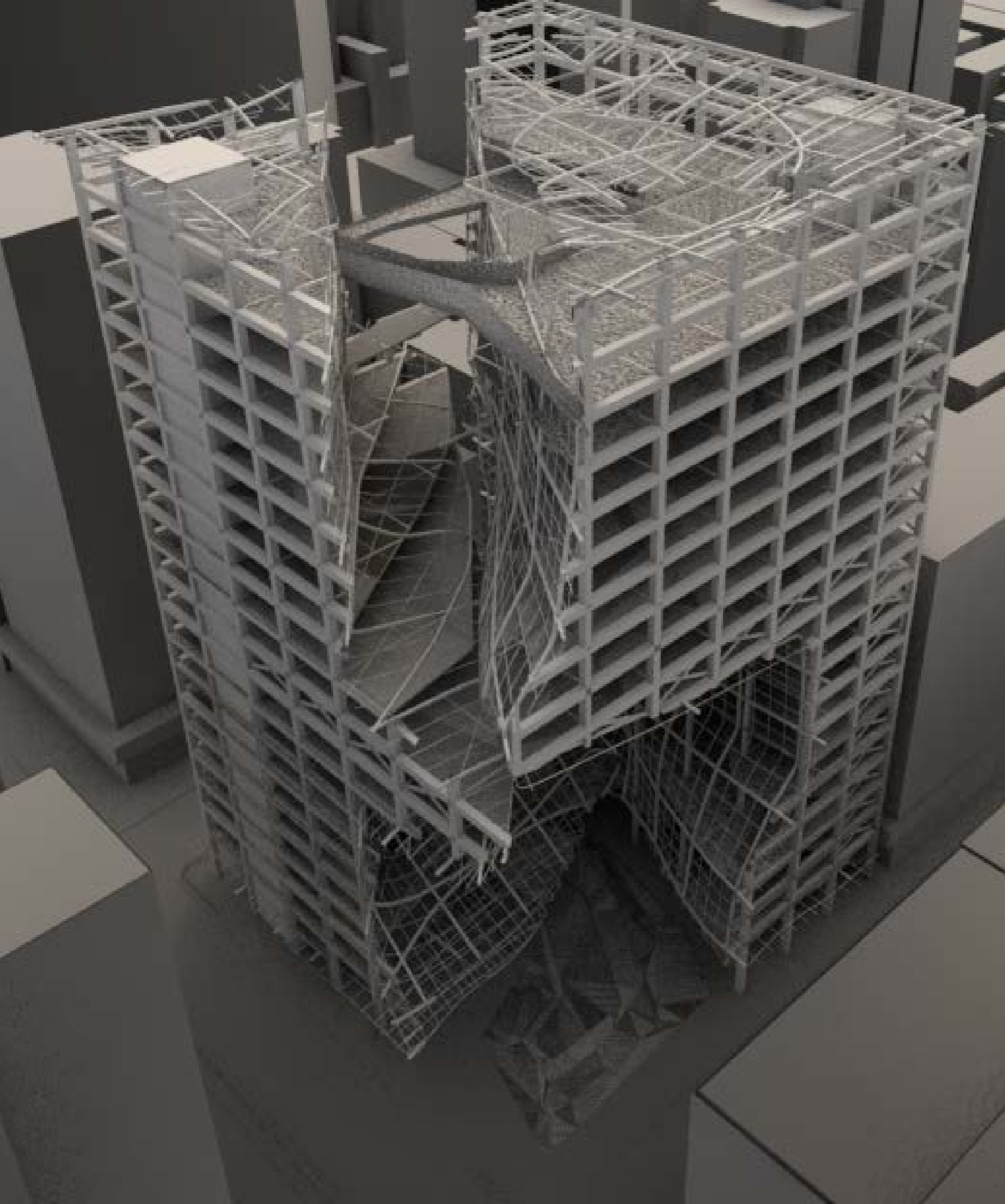
PHASE 1

PHASE 2



PHASE 3





PHASE 4

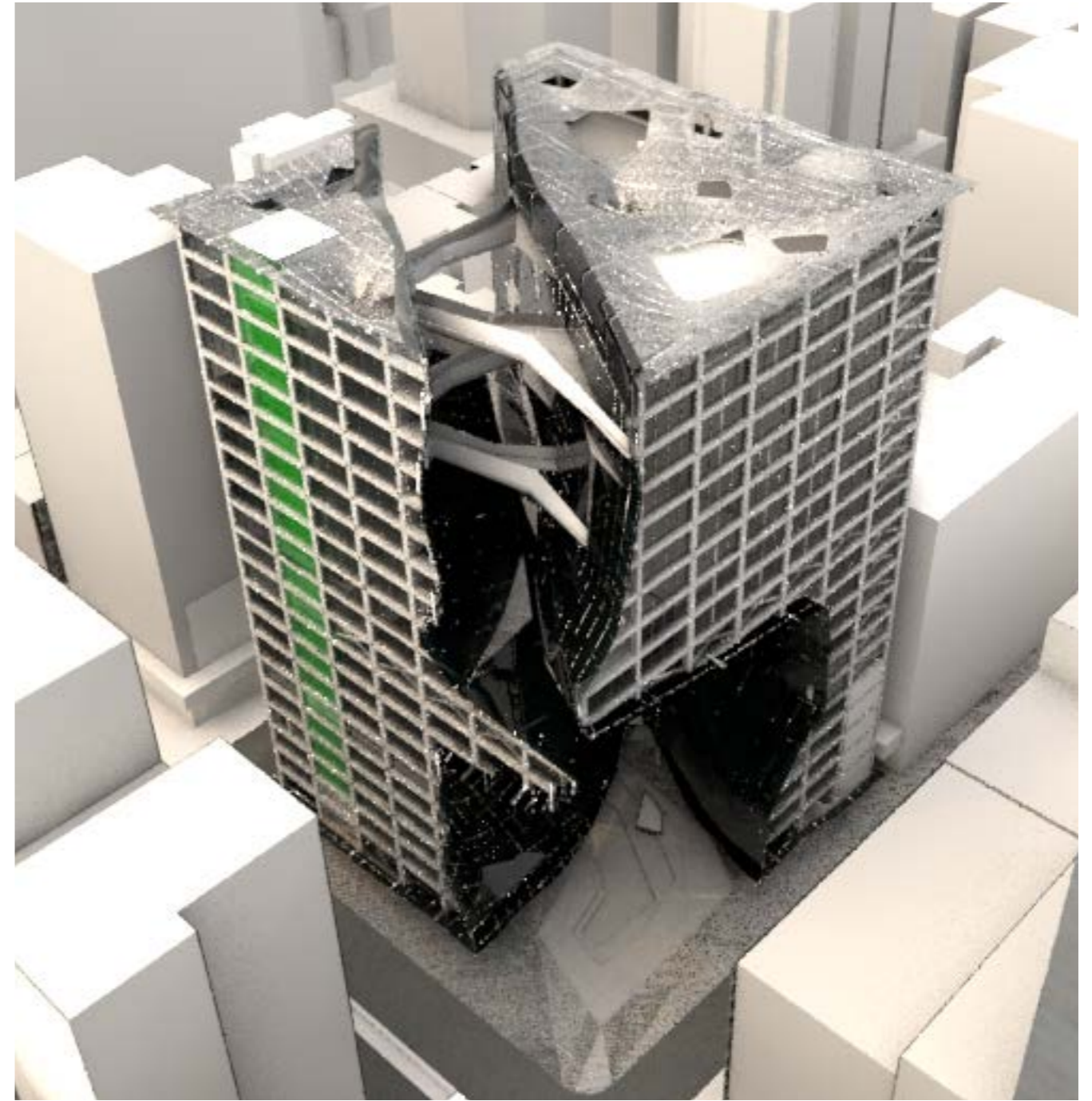
COMPARING THE DAYLIGHTING.

Sincere Building vs. The Hub

COMPARISON

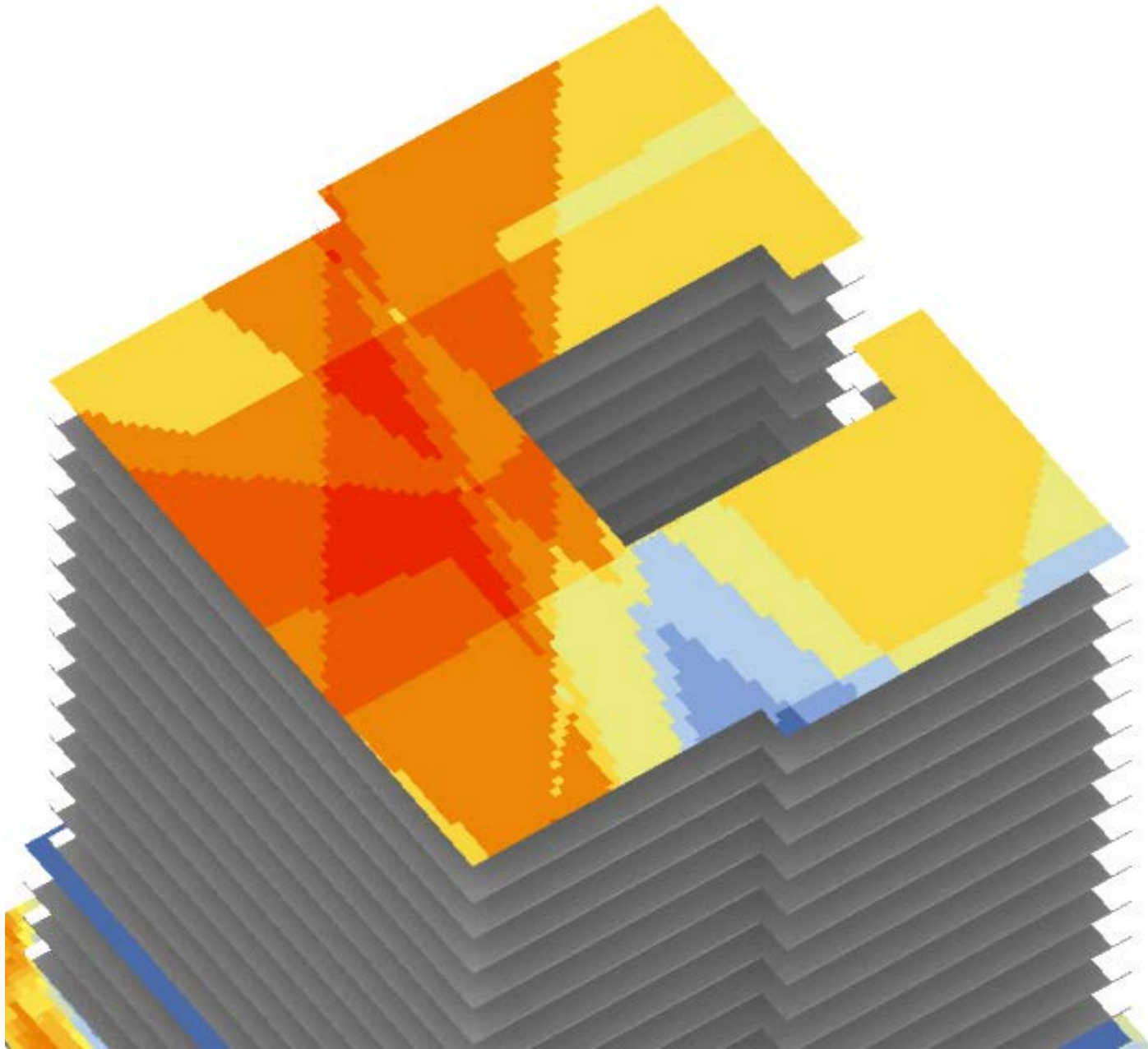


THE SINCERE BUILDING



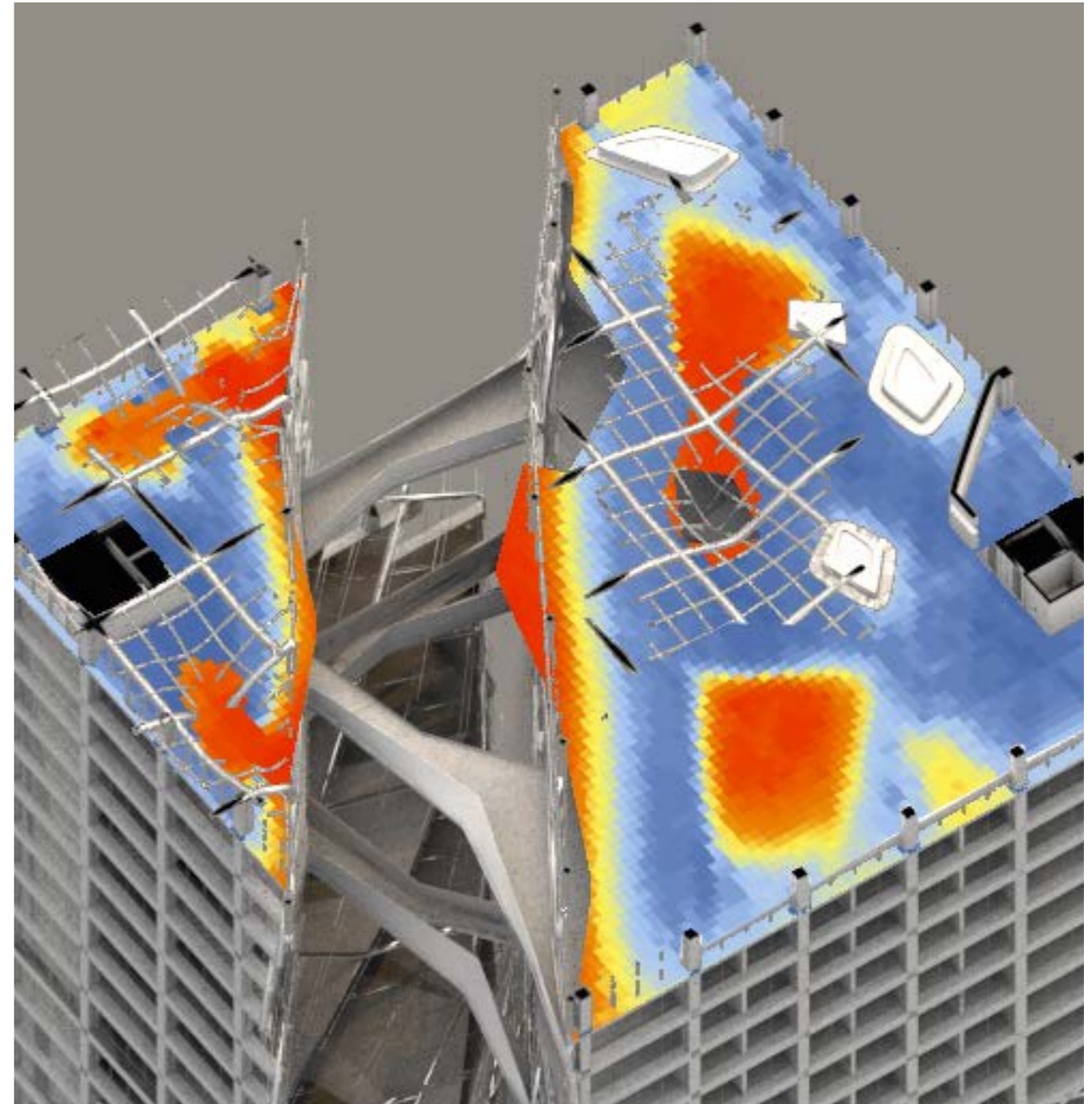
THE HUB

DAYLIGHT - TOP FLOOR



41 Hours

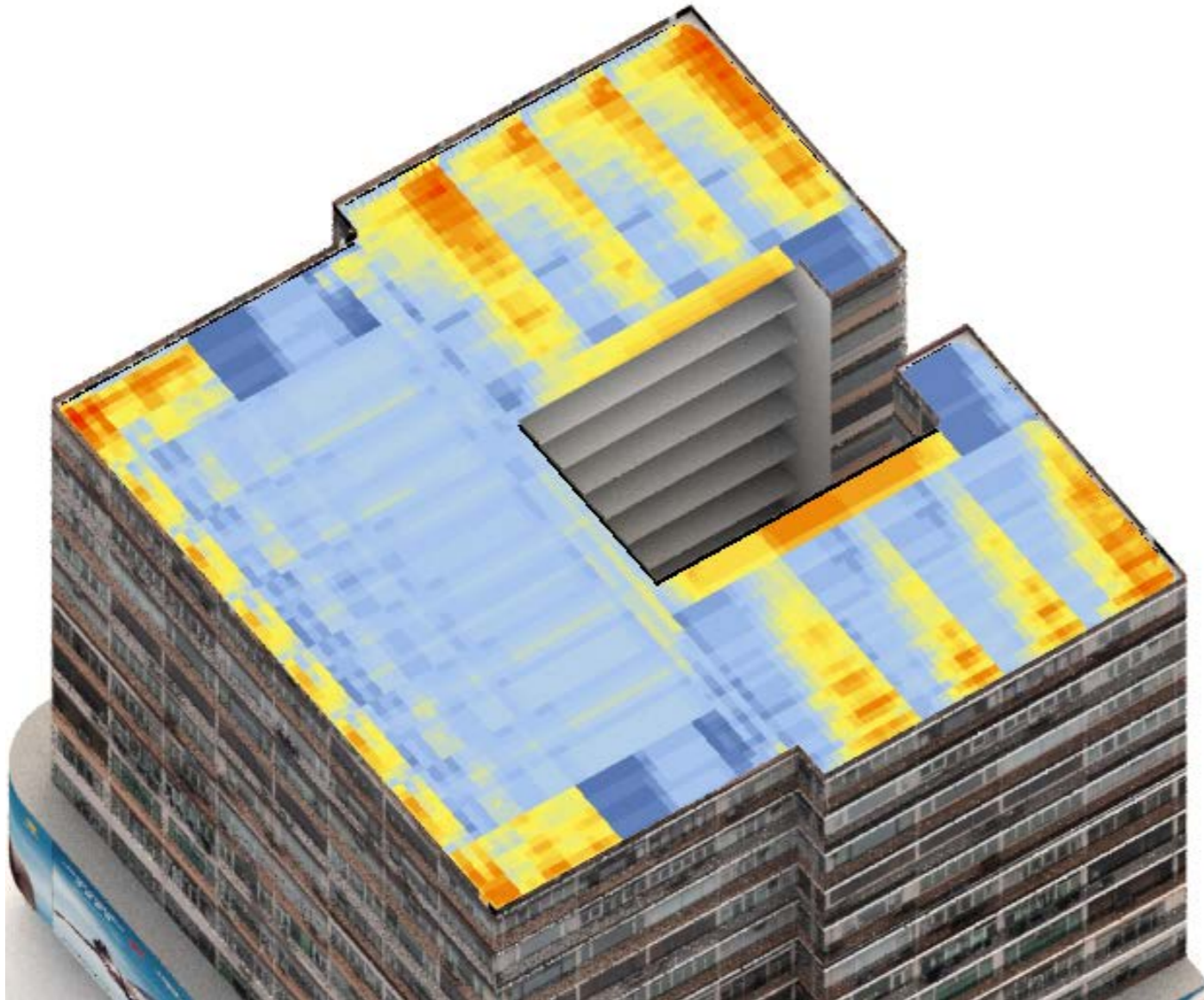
THE SINCERE BUILDING



15.5 Hours

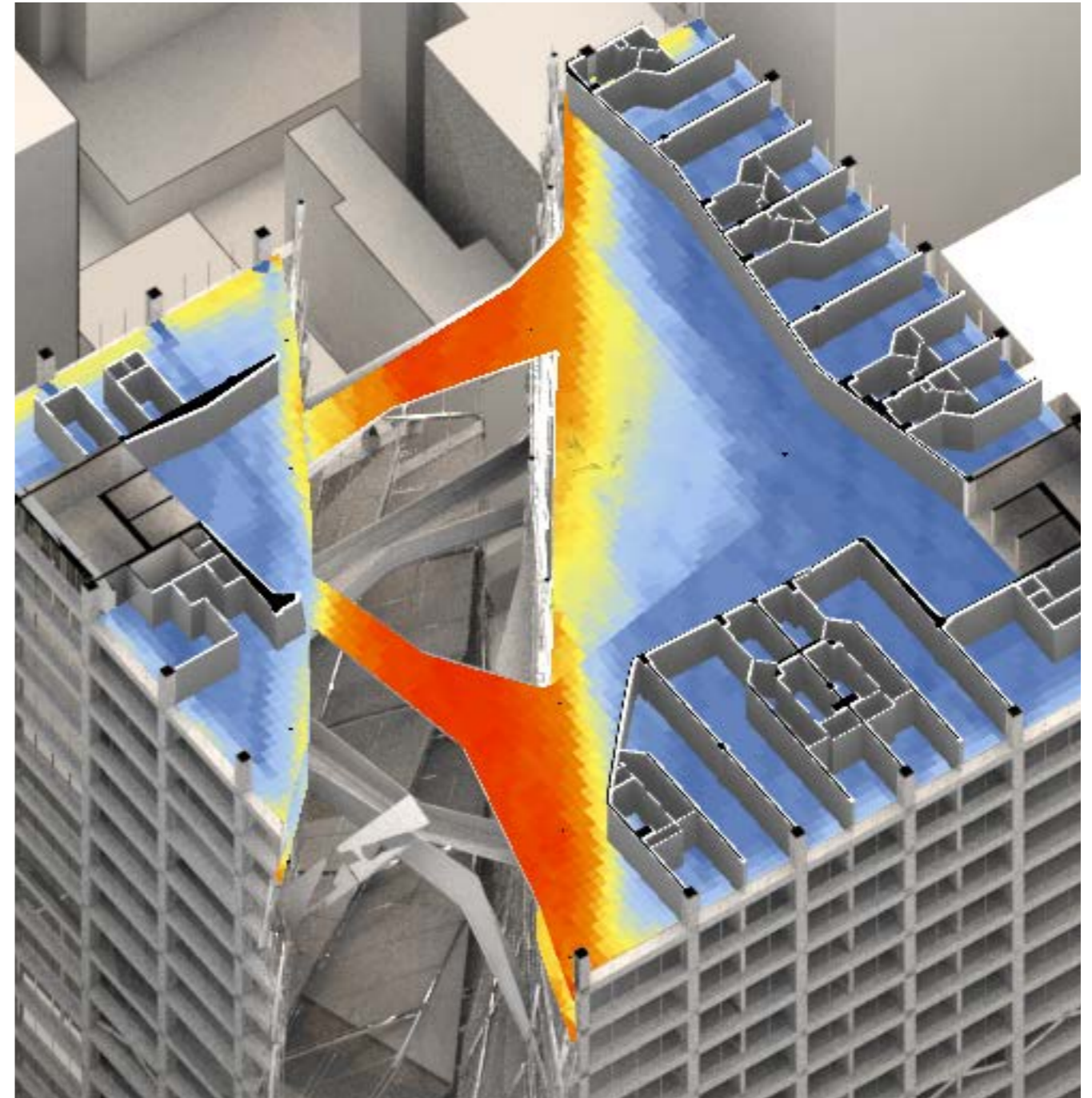
THE HUB

DAYLIGHT - RESIDENTIAL FLOOR



10 Hours

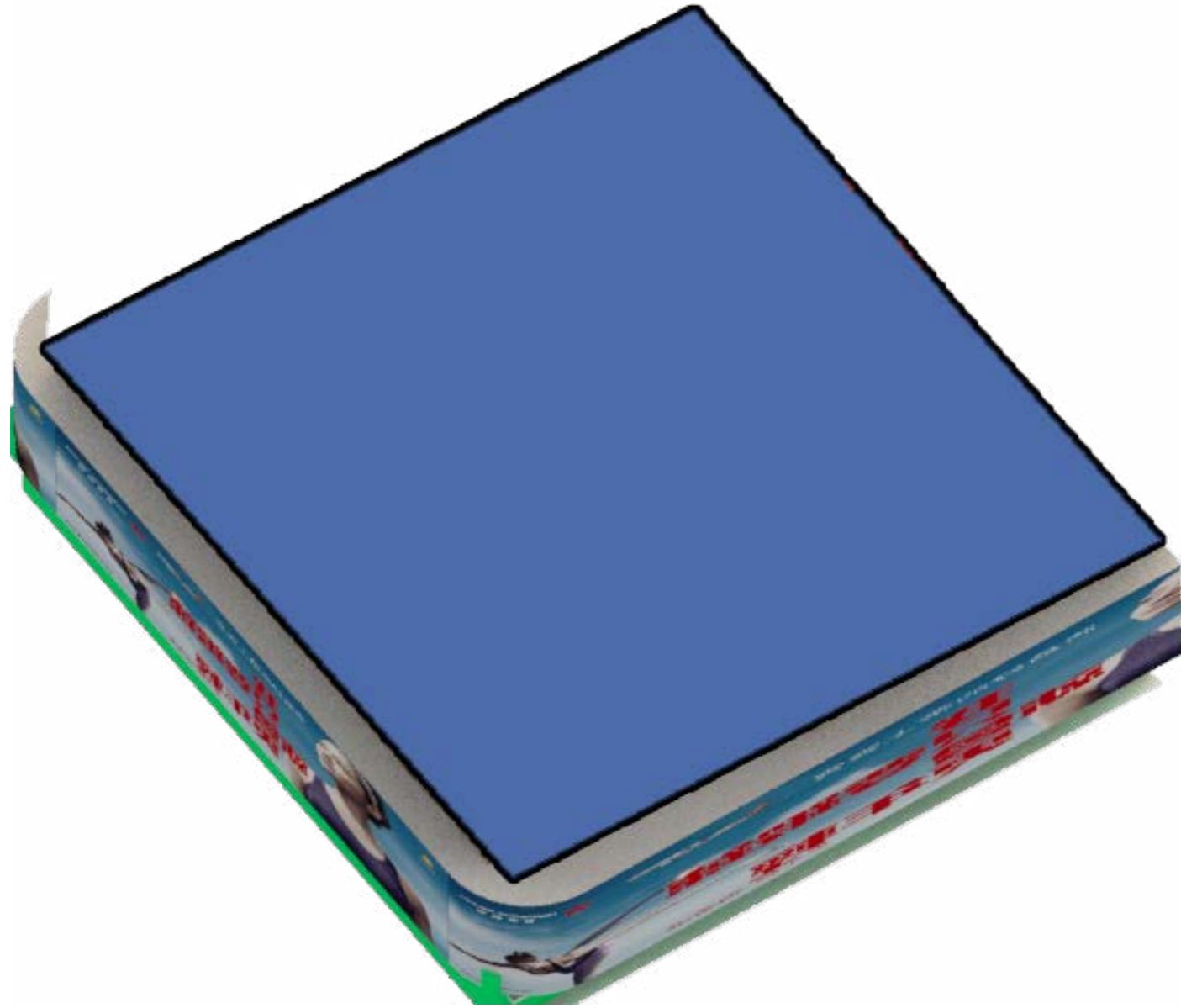
THE SINCERE BUILDING



9.8 Hours

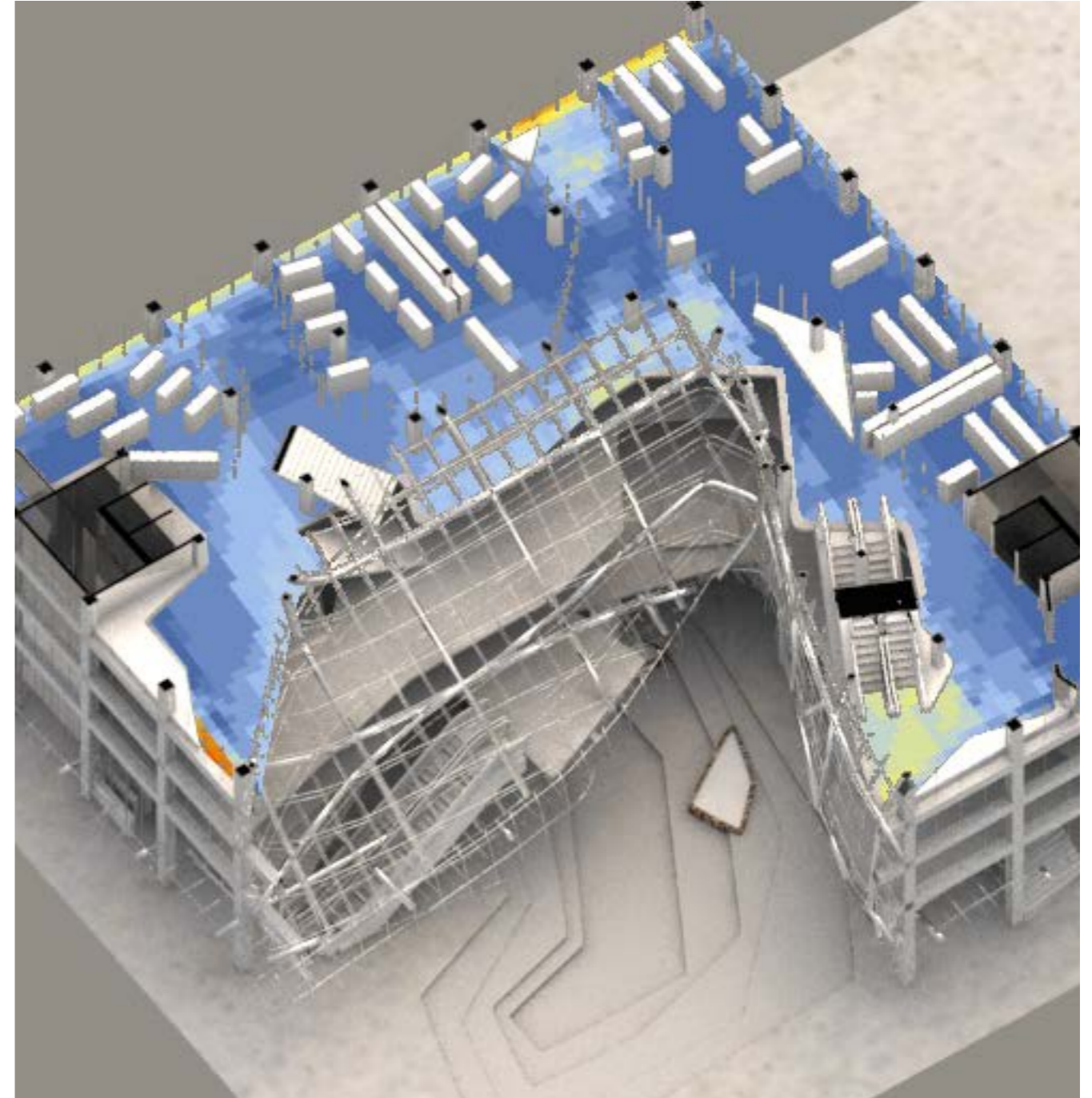
THE HUB

DAYLIGHT - COMMERCIAL FLOOR



0 Hours

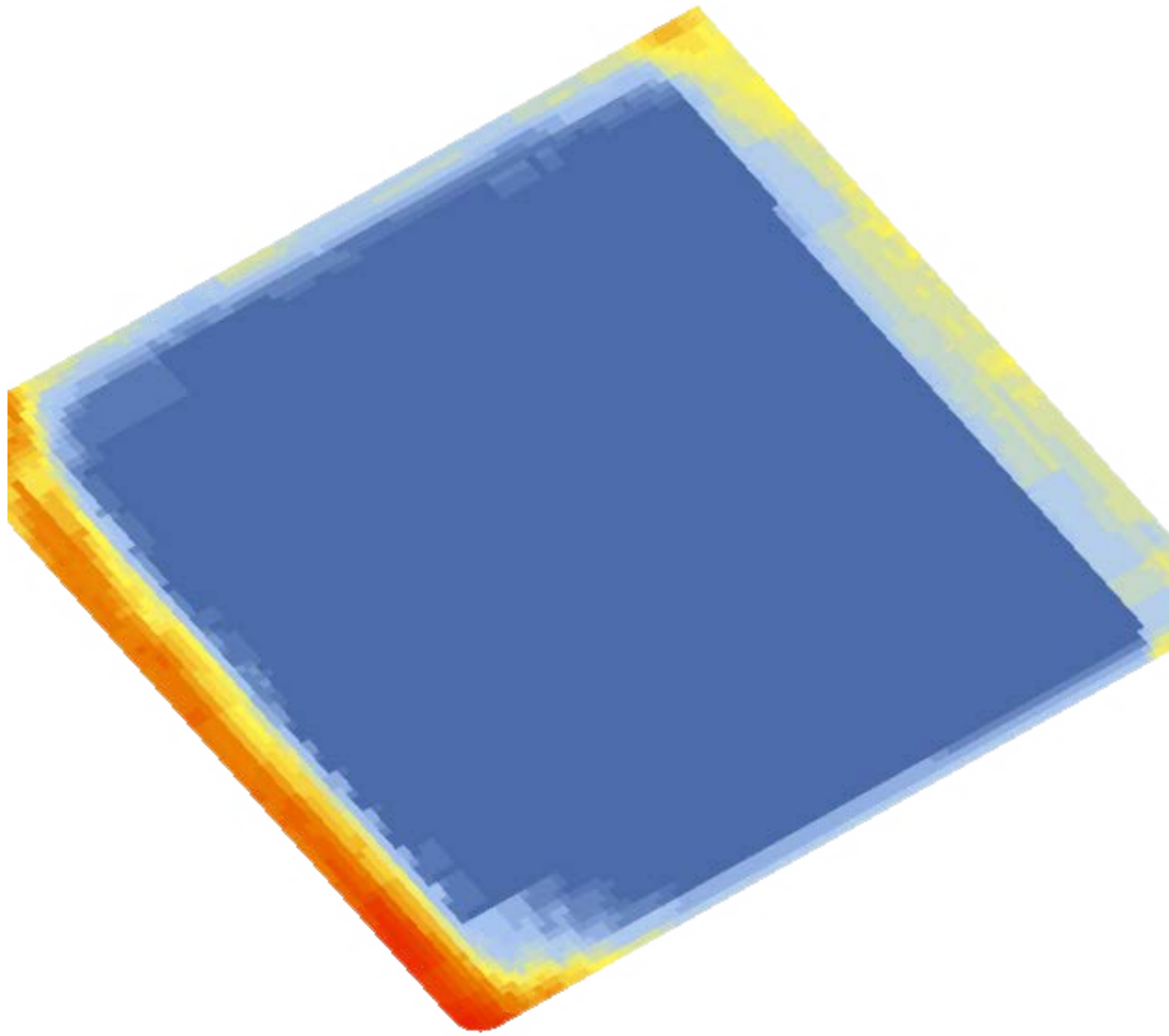
THE SINCERE BUILDING



6.5 Hours

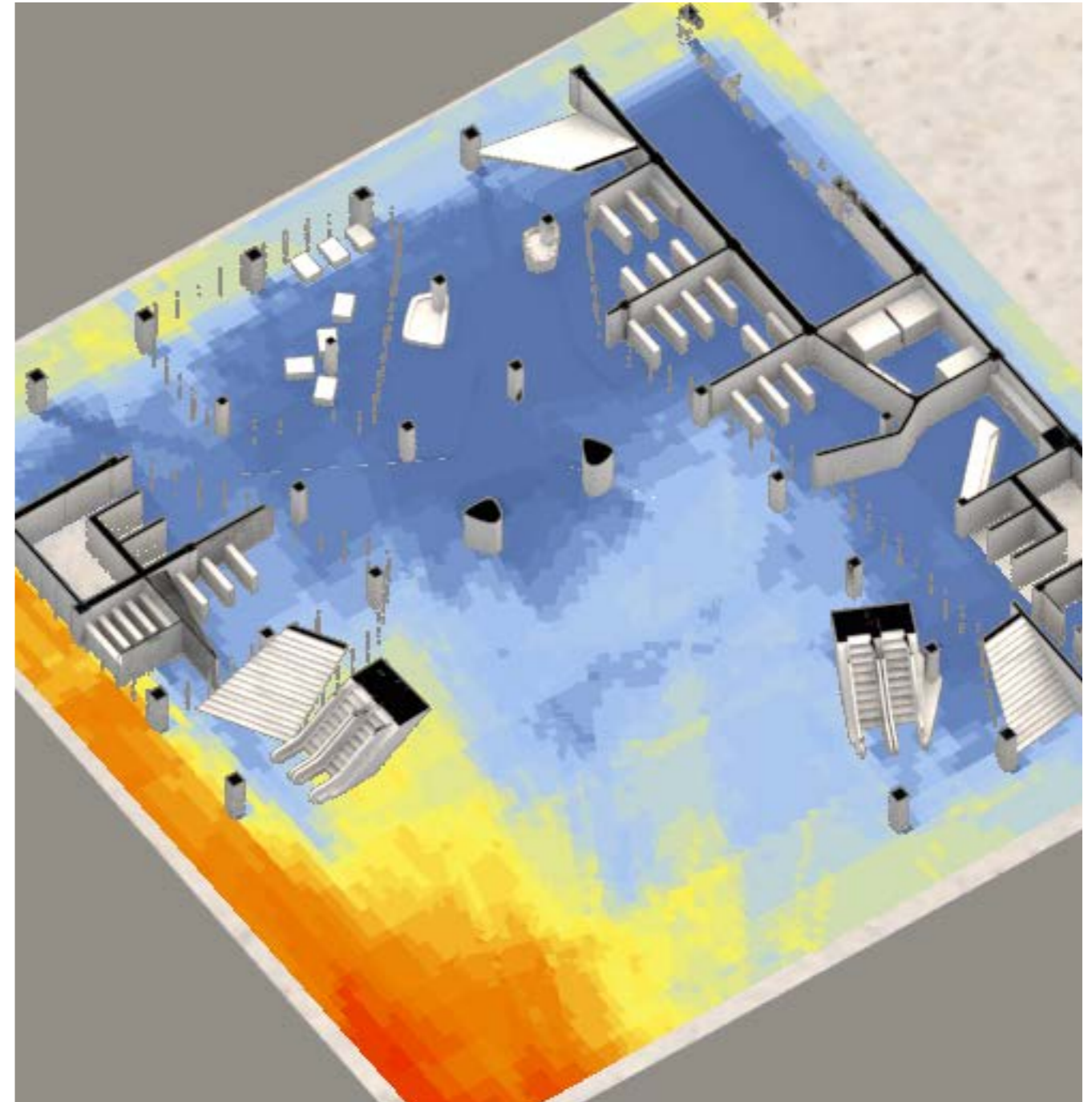
THE HUB

DAYLIGHT - Ground Floor



5.4 Hours

THE SINCERE BUILDING



6.5 Hours

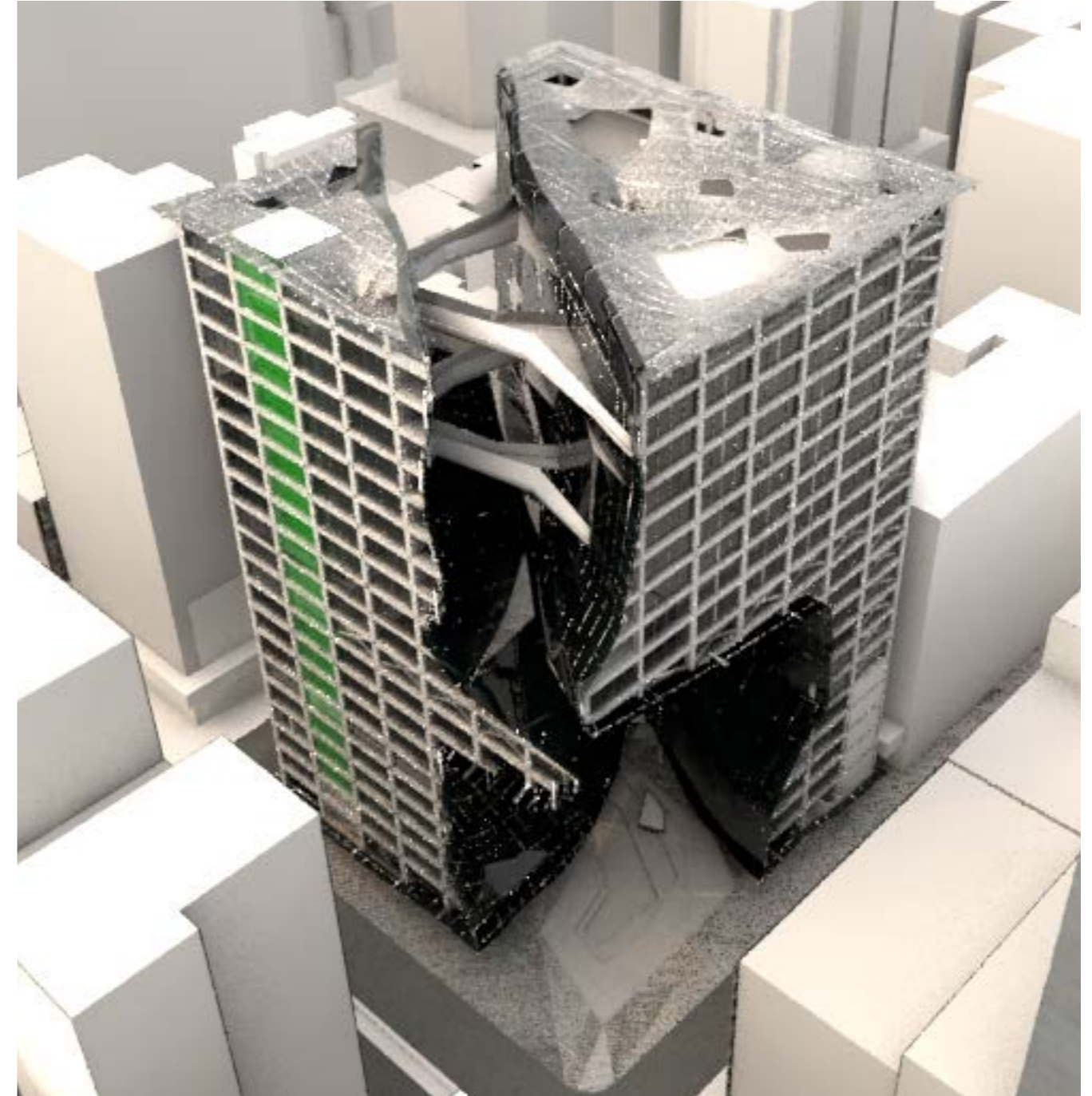
THE HUB

DAYLIGHT - Total



3.3 Hours *

THE SINCERE BUILDING



5.5 Hours *

THE HUB

Research Question:

“What kind of building-design could address the problems many high-density cities exhibit?”

The HUB tries to aim for a building which promotes interpersonal connections in a safe and high quality environment. By making efficient use of daylighting in its context.

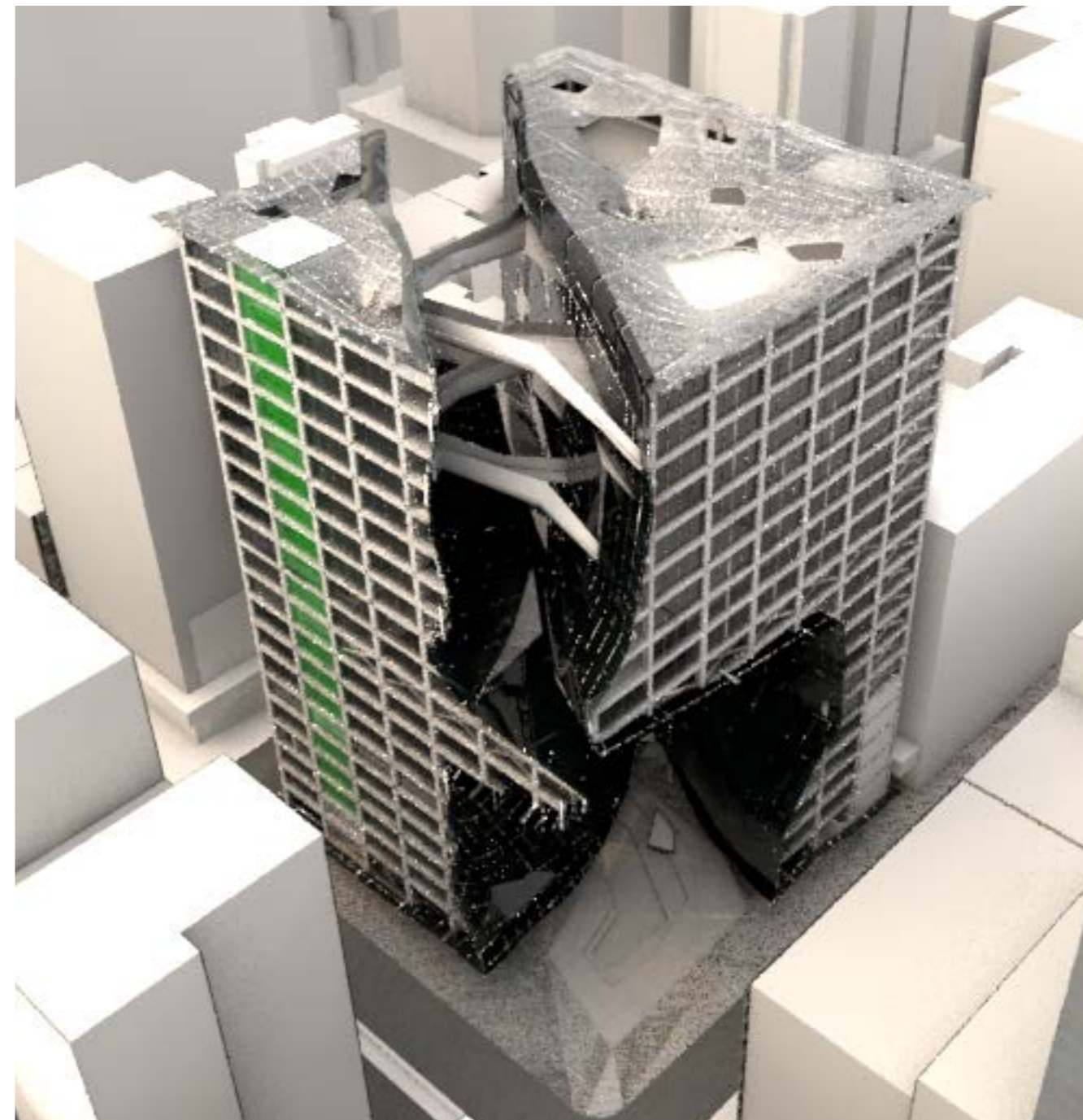


Thank You

FUNCTIONS



Functions **Total: 25757 SqM**
Apartments: 13668 SqM
Commercial: 2118 Sqm
Public: 0 SqM



Total: 23675 SqM - 8 %
Apartments: 6975 SqM - 51%
Commercial: 5604 SqM +165%
Public: 7102 SqM +100 %