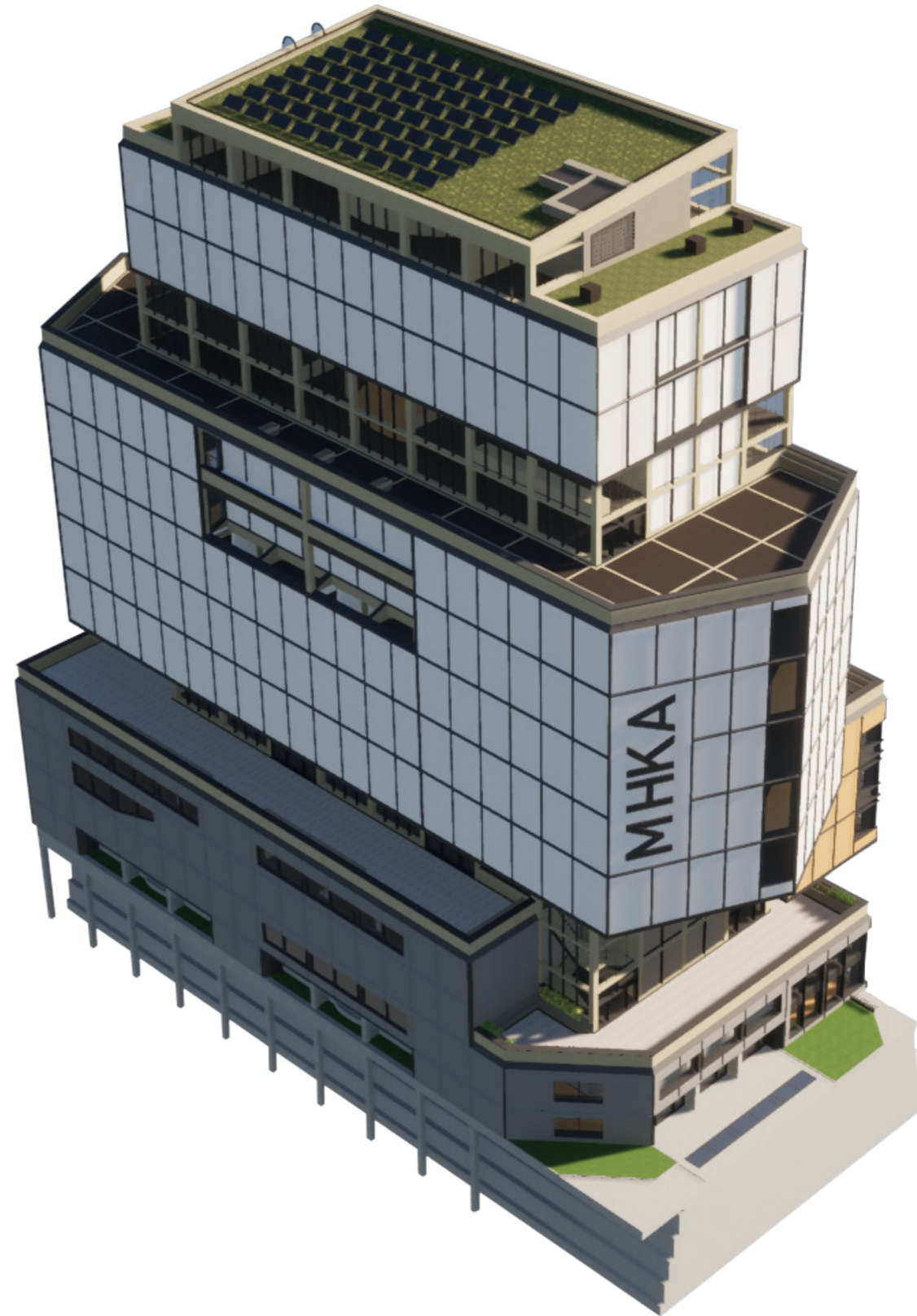


# P5

## PRESENTATION

# A MULTI-MUSEUM



MENTORS:  
MARK PIMLOTT  
MATTHIJS KLOOSTER  
AMY THOMAS

CRAIG FURLONG  
INTERIORS, BUILDINGS, CITIES  
MSC 3 & 4, GRADUATION STUDIO  
TU DELFT - 2022/23



Figure 1: "Current MHKA Building",  
MHKA, Antwerp, Belgium, 2022



Figure 2: "Office Baroque",  
By Gordon Matta Clark, MHKA, 1977



Figure 3: "Food",  
By Gordon Matta Clark, MHKA, 1972



Figure 4: "Jacob's Ladder",  
By Gordon Matta Clark, MHKA, 1977

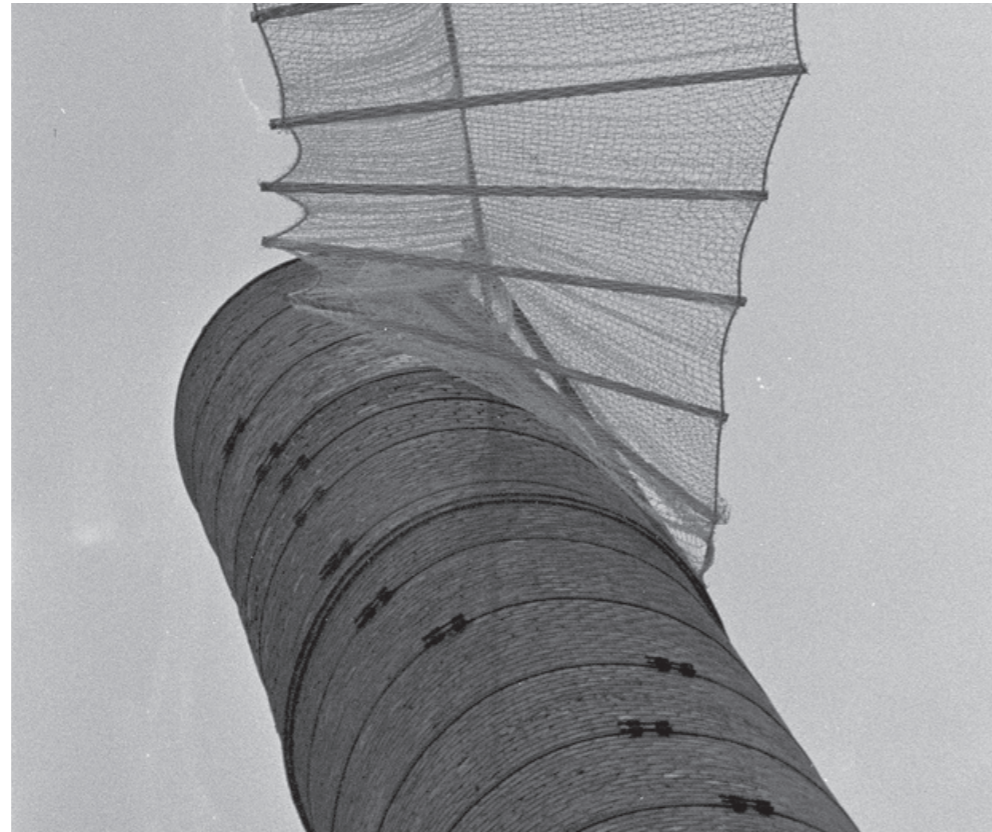


Figure 5: "Conical Intersects",  
By Gordon Matta Clark, MHKA, 1975



Figure 6: Found Site,  
Antwerp, Belgium  
(Google Earth 2022)



Figure 7: RDF181, By Rotor,  
Atlas of Places, Brussels, Belgium

# M HKA CAFE & BAR

## Drinks

### BIER

Draft Beer Pint	6,00
Draft Beer Half Pint	3,50
Weize (White)	5,00
Radler	4,00

### WIJN

Cava Brut	5,50
Rosé	5,00
Rood	4,00
Wit	4,00

### KOFFIE & THEE

Koffie, Espresso	3,00
Cappuccino, Café latte	3,50
Thee	3,00

#### SPECIALE KOFFIES

Irish, French, Spanish, Italian coffee	8,00
--	------

### FRISDRANKEN & SAPPEN

Plat/bruisend 33 cl.	2,50
Plat/bruisend 75 cl.	4,50

Coca-Cola, Coca-Cola Zero, Sprite, cassis, appelsap	3,25
---	------

San Pellegrino - Citroen, sinaasappel, bloedsinaasappel, grapefruit	3,50
---	------

Fever-Tree - Indian tonic, Mediterranean tonic, ginger beer	4,00
---	------

### The Gordon Special 9,50

Broodje runderpastrami met rucola, rode ui, pijnboompitten, zongedroogde tomaat en truffelmayonaise

## Bites

### BREEKBROOD MET SMEERSELS 4,50

Met aioli & Kruidenboter

### BITTERBALLEN 5,00

6 ambachtelijk bereide bitterballen: van de traditionele rundvlees bitterbal tot vegetarisch

### HAM & CHEESE TOASTIE 6,00

De originele variant, met boerenham en jonge kass

### CROQUETTES (BEEF OR VEGGIE) 9,50

Ambachtelijke kroketten, gerserveed op ons brood

### FISH & CHIPS 16,00

Krokante witvis gerserveed met ambachtelijke frites en remouladesaus

## Desserts

### APPLE CRUMBLE 5,50

Huisgemaakte apple crumble uit de oven met zoet karamelijs

### WHITE CHOCO CREME BRULEE 6,00

Romige creme met een dun laagje krokante karamel en pistachekruim



Cafe/Cinema Alley



Parasitic Insert

Proposed Cafe Menu



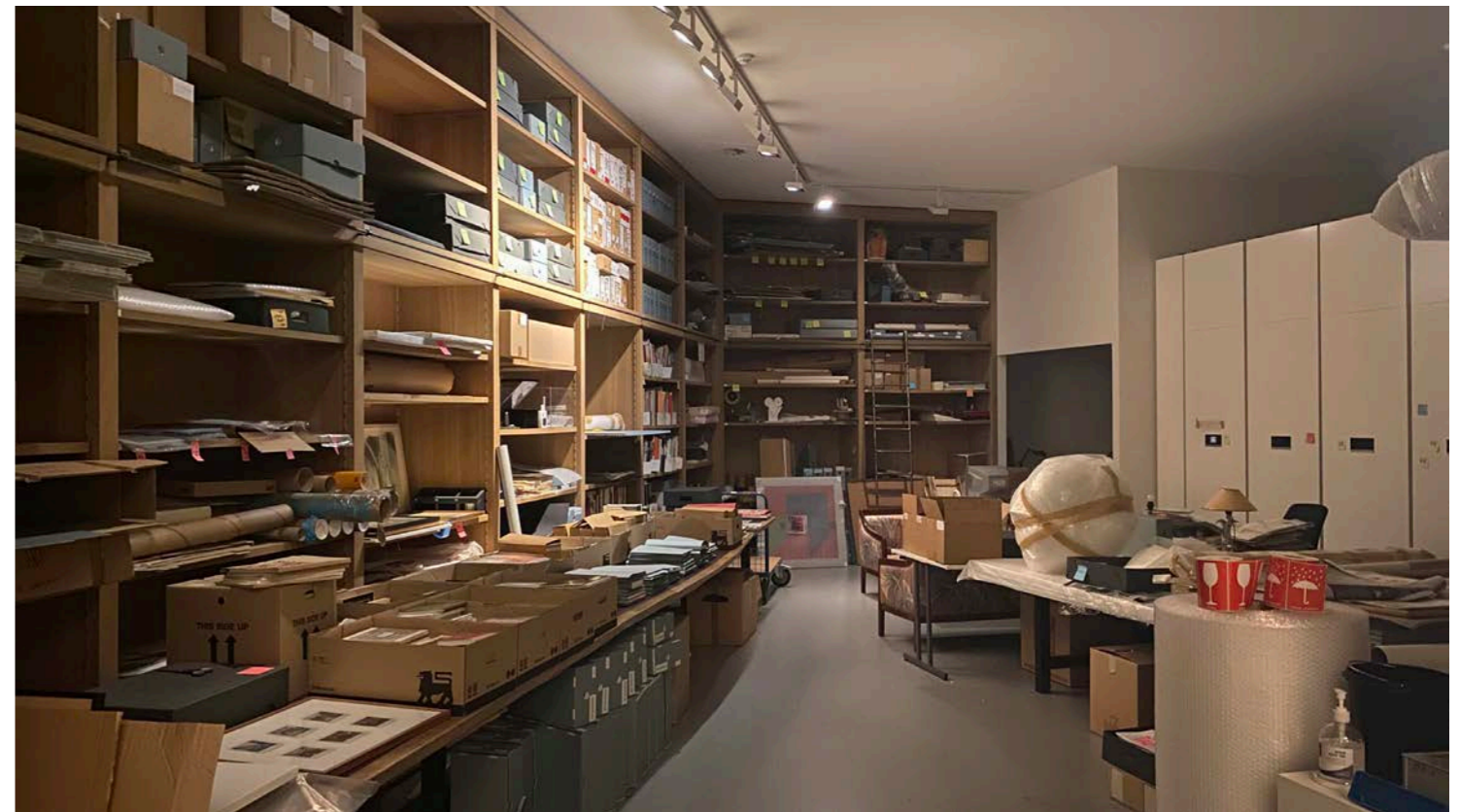
*Proposed "Office Baroque" Exhibit*



*MHKA - "Office Baroque" Exhibit*



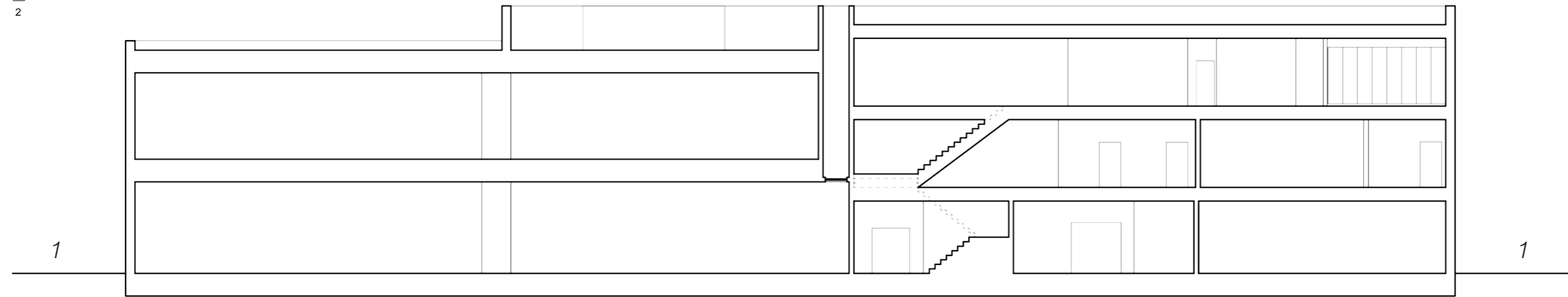
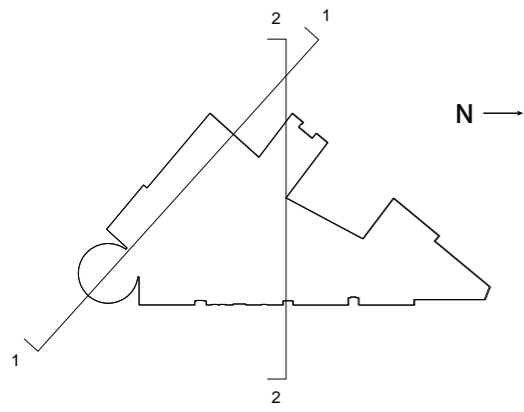
*Natural light in the museum*



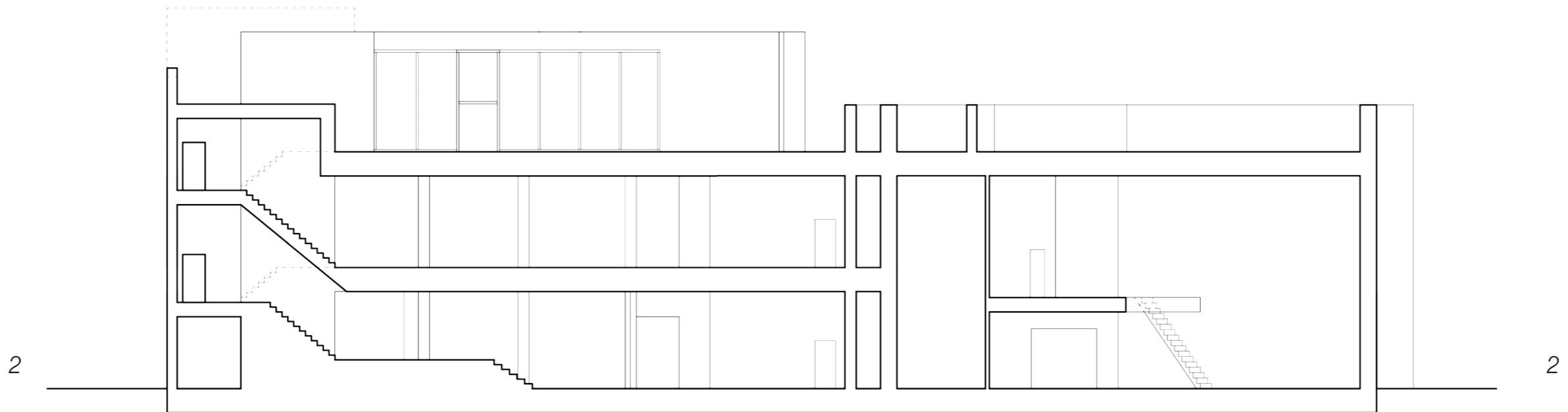
*Storage space in the museum*



*Example of the work in the MHKA Collection*



*MHKA - Front vs Back Space Section*

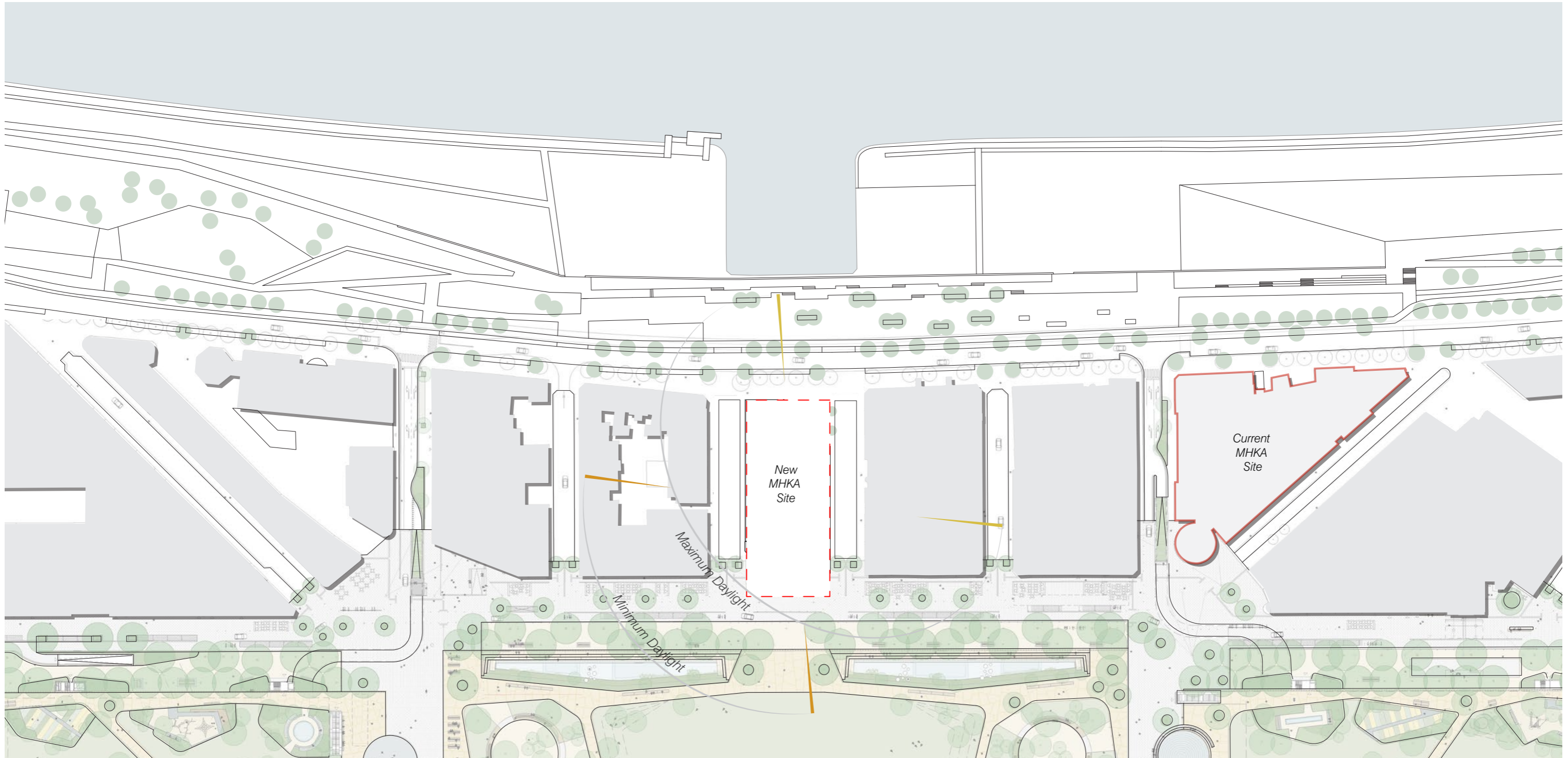


*MHKA - Circulation & Receiving Section*

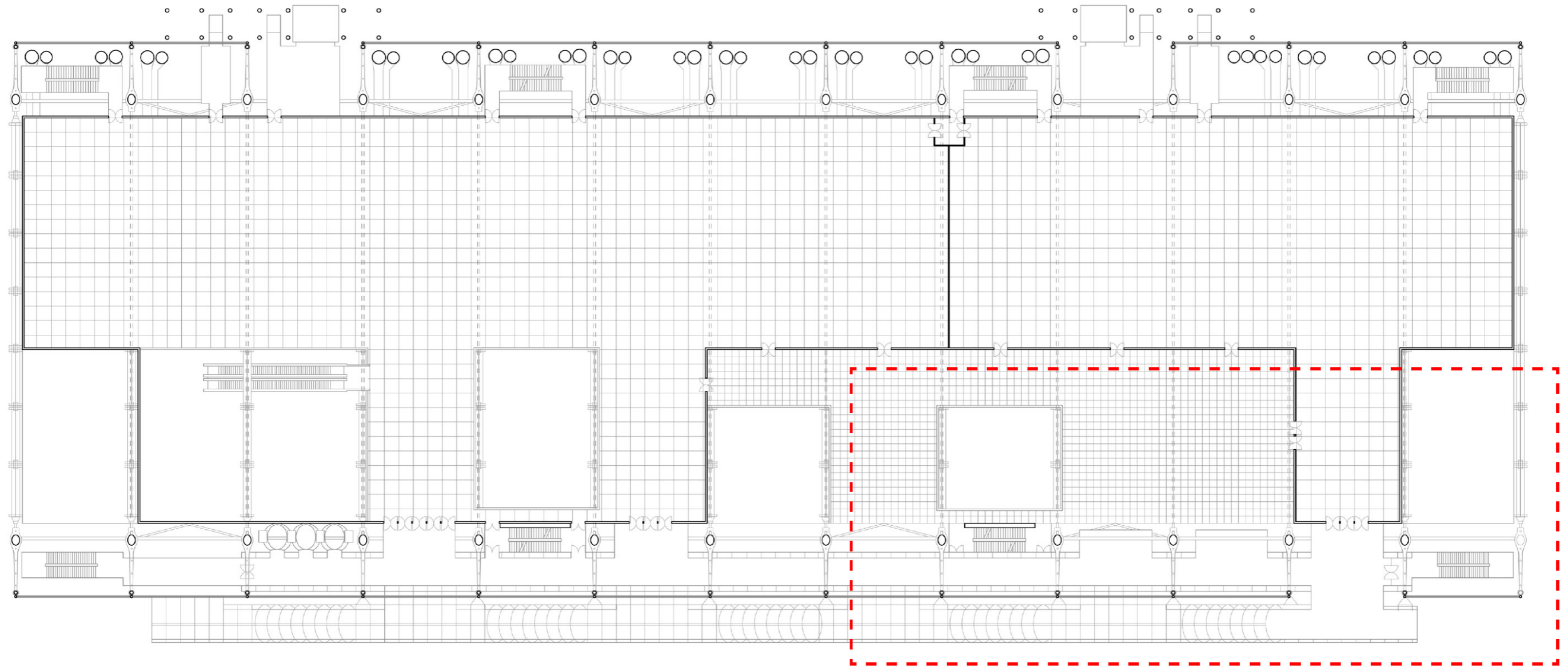




Urban Plan

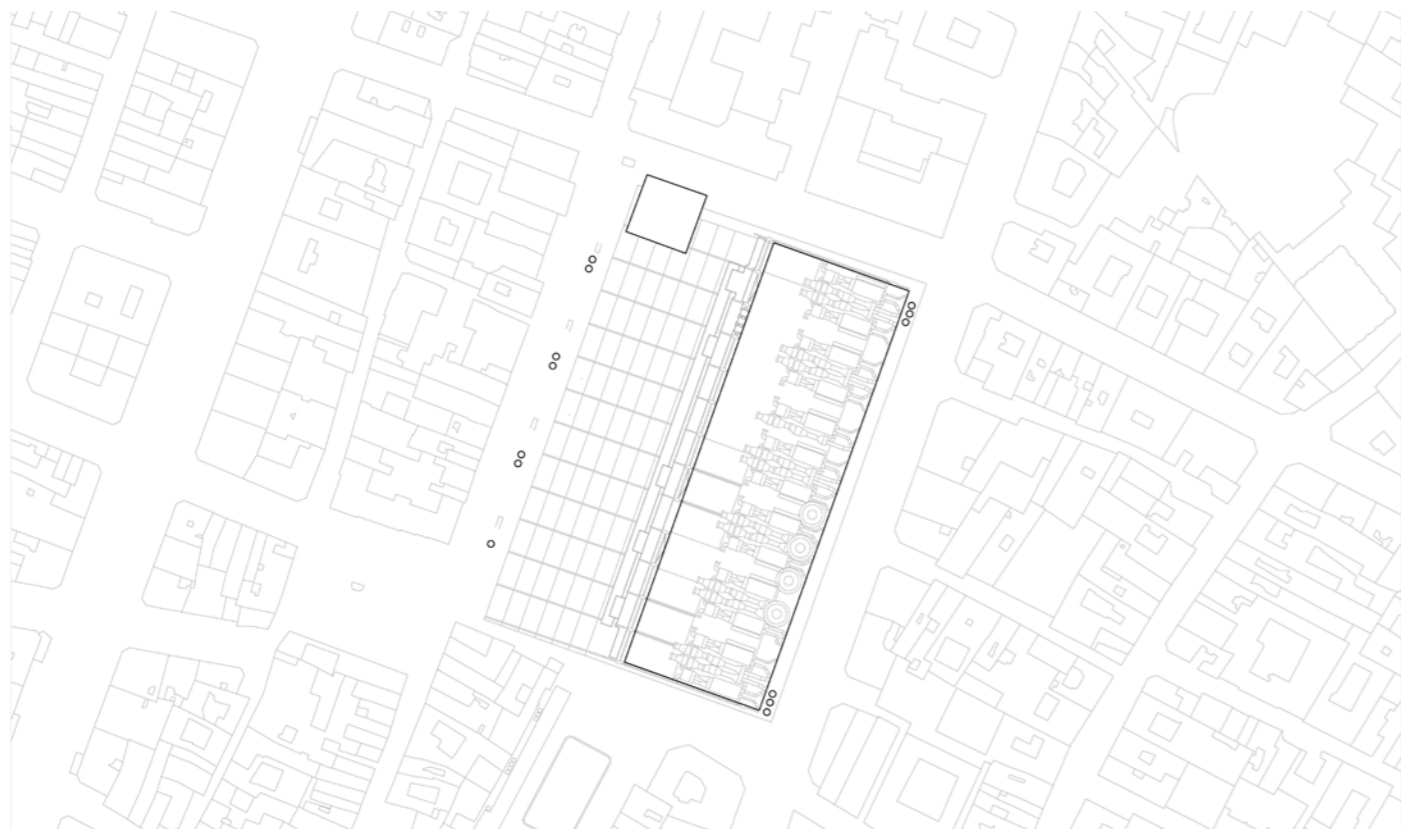


Site Plan

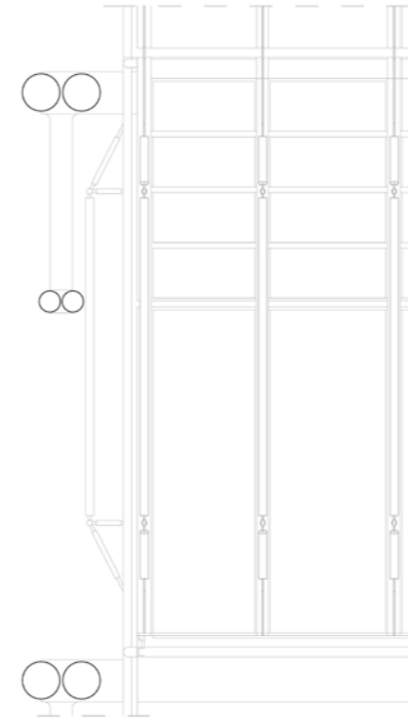


*New MHKA Site*

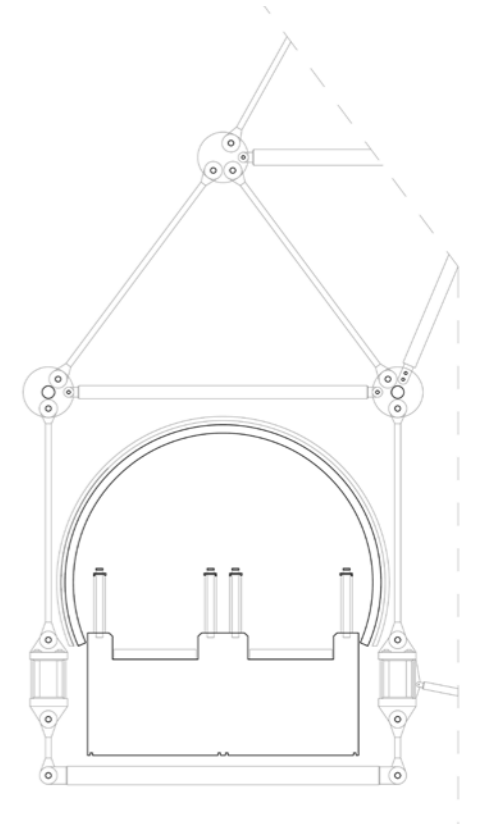
*Pompidou Floor Plan vs New MHKA Site*



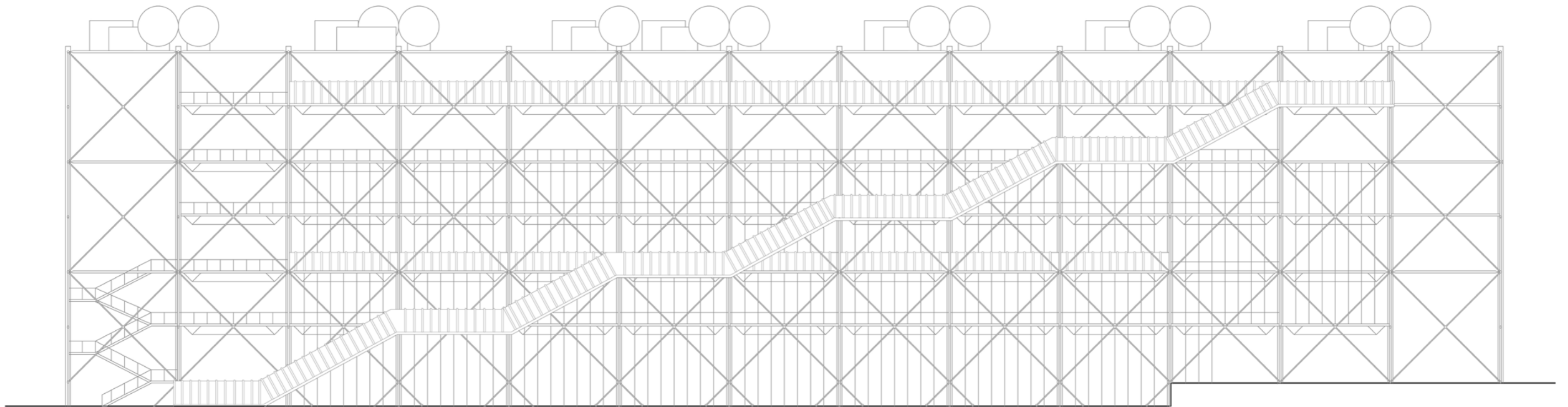
*Pompidou - Site Plan*



*Pompidou - Facade Detail*



*Pompidou - Circulation Detail*

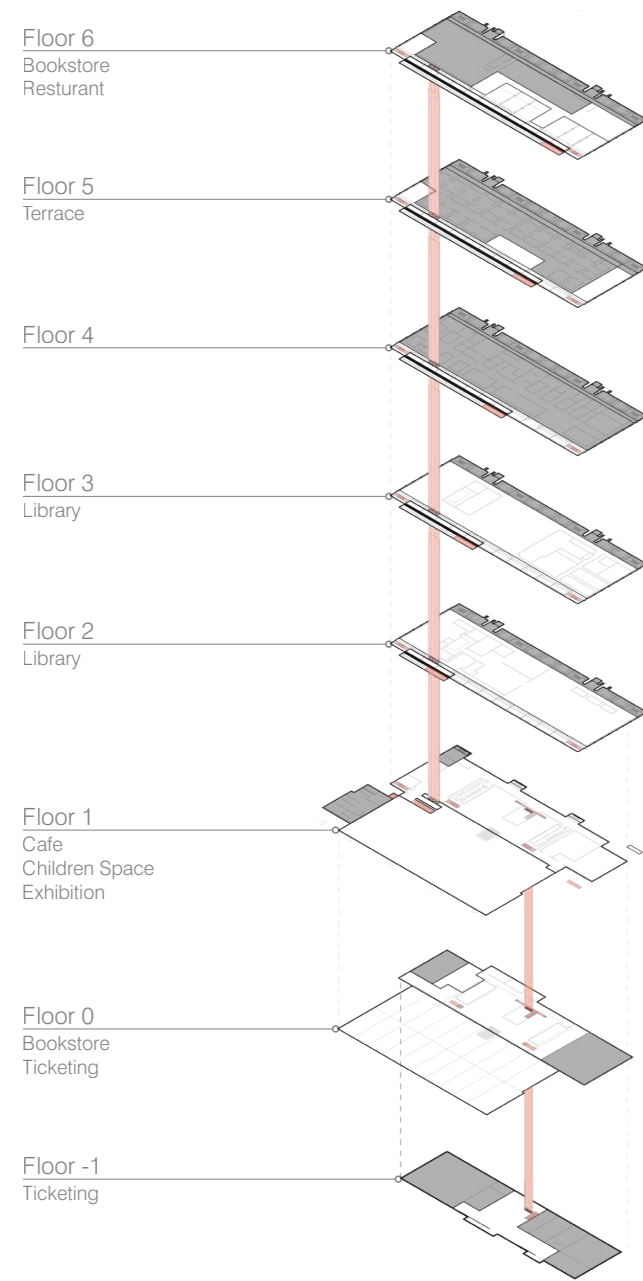


*Pompidou - Front Elevation*

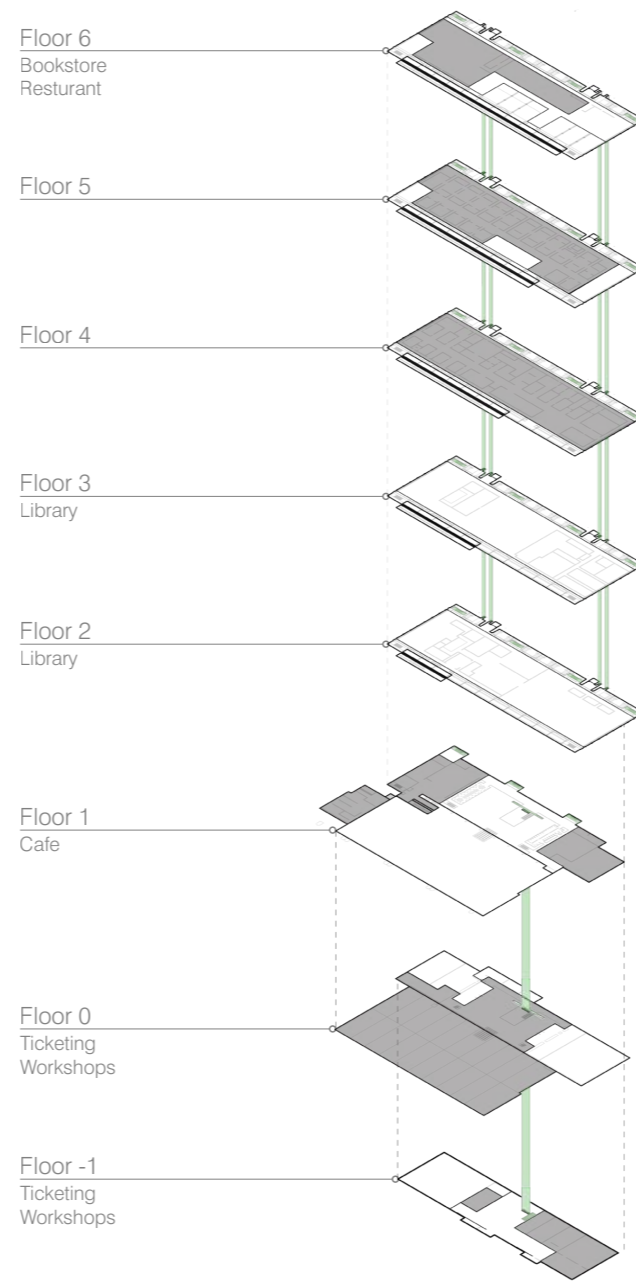


*Figure 8: Precedent Image, Pompidou, Paris, France, 1977*

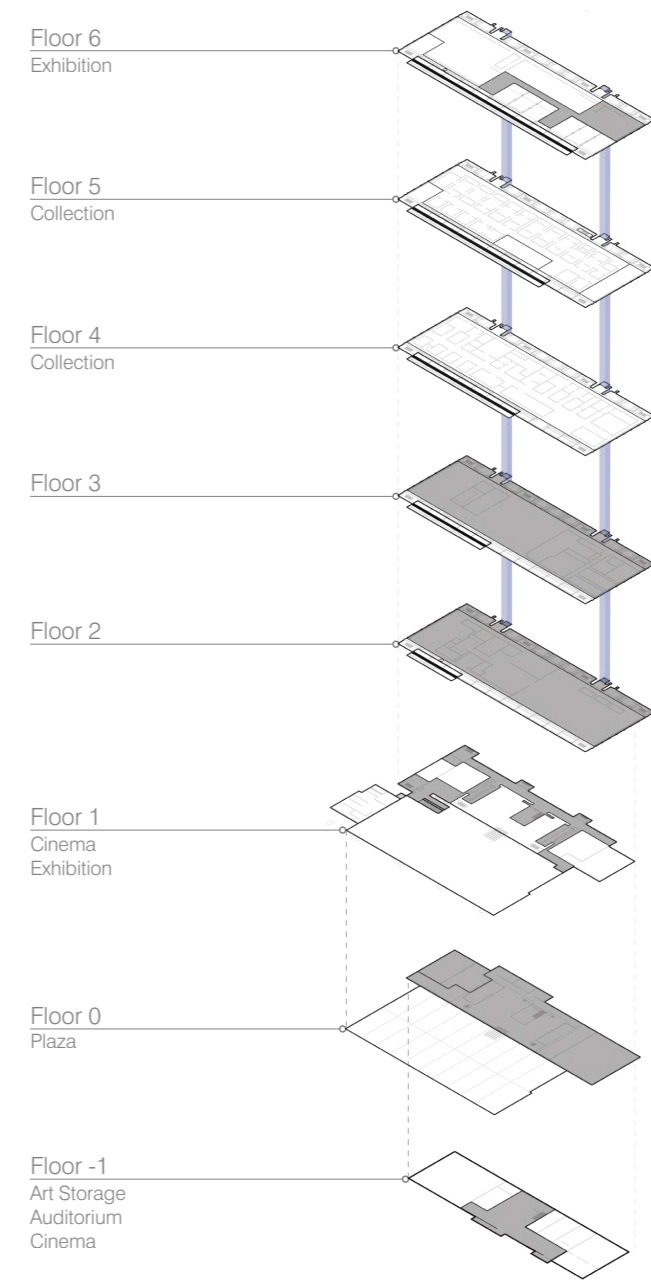
*Modeled Replica*



*Public*

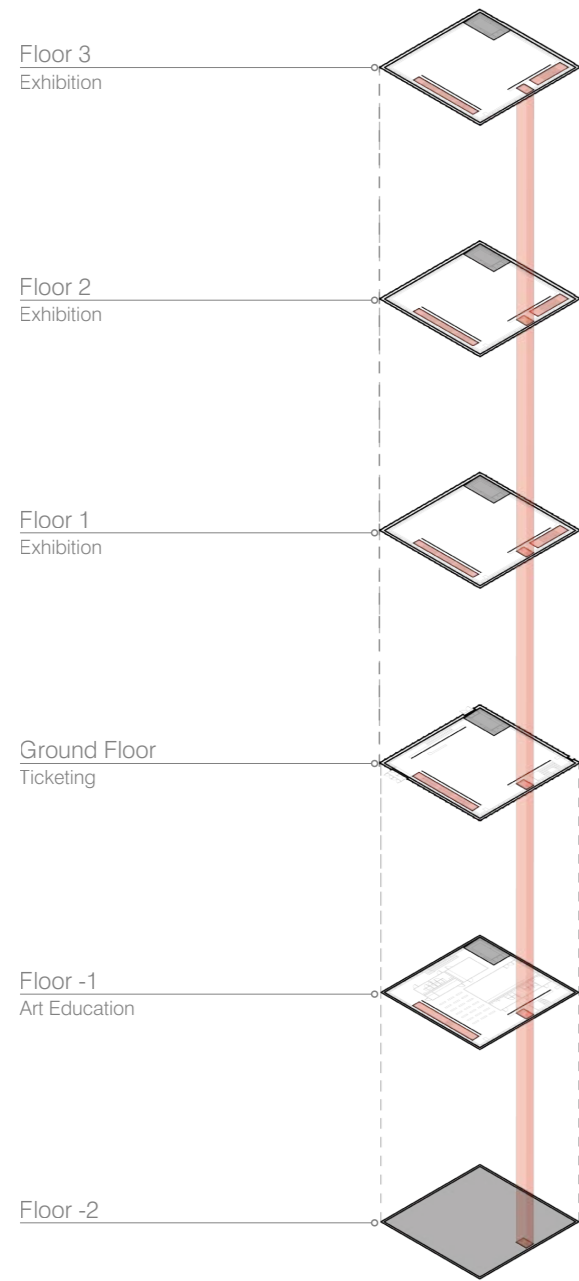


*Staff*

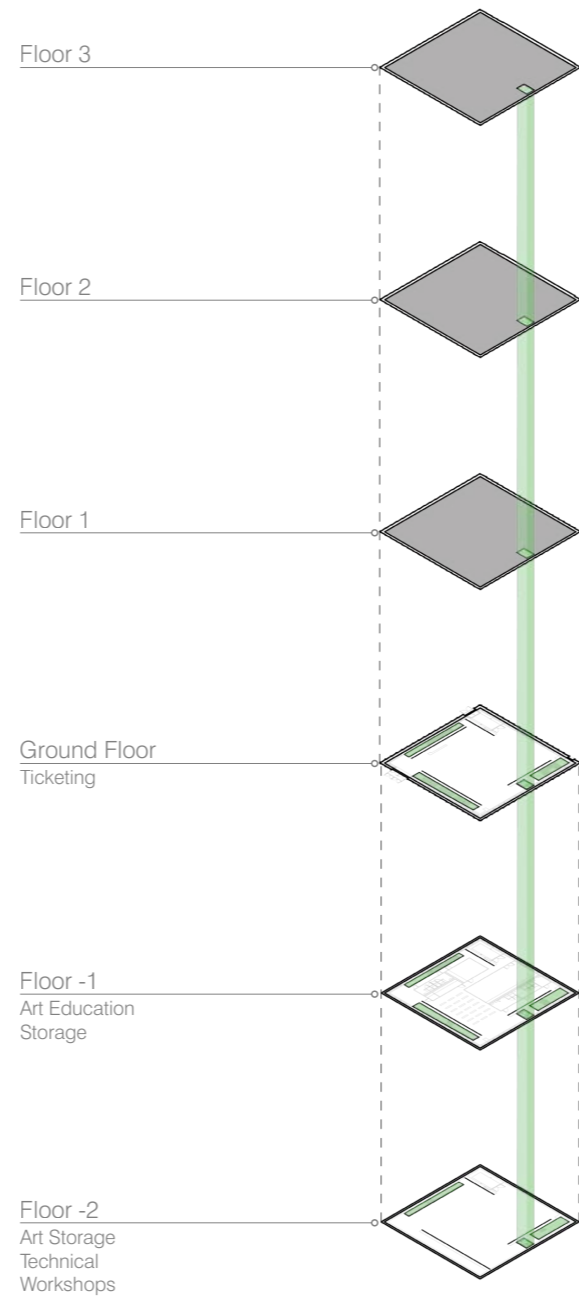


*Art*

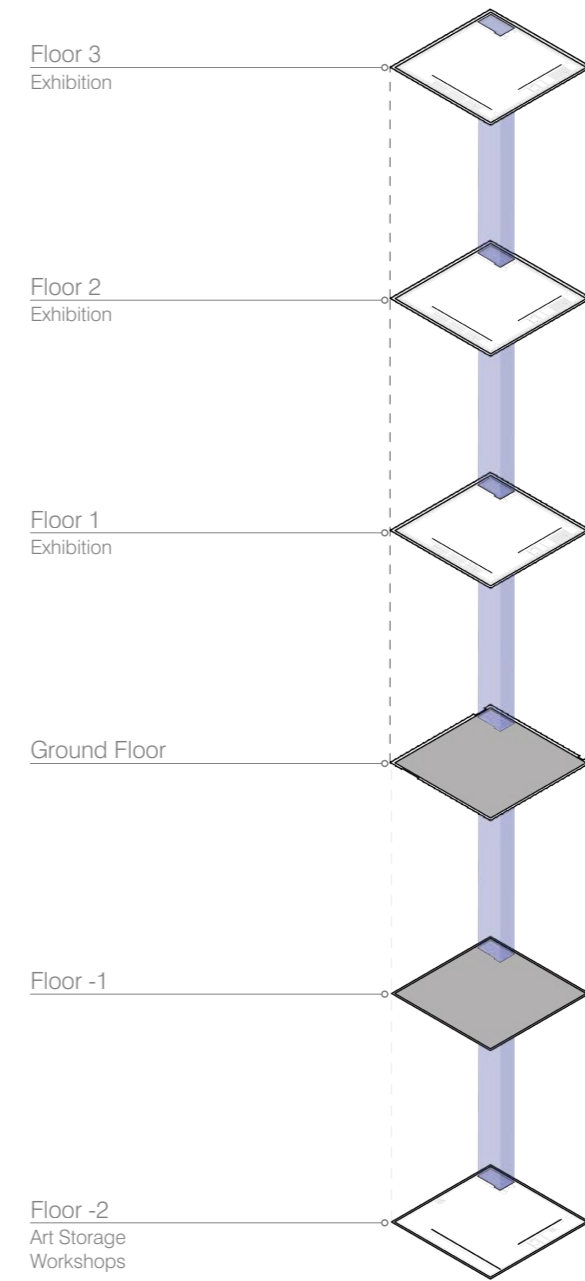
*Centre Georges Pompidou: Circulation & Organization*



Public

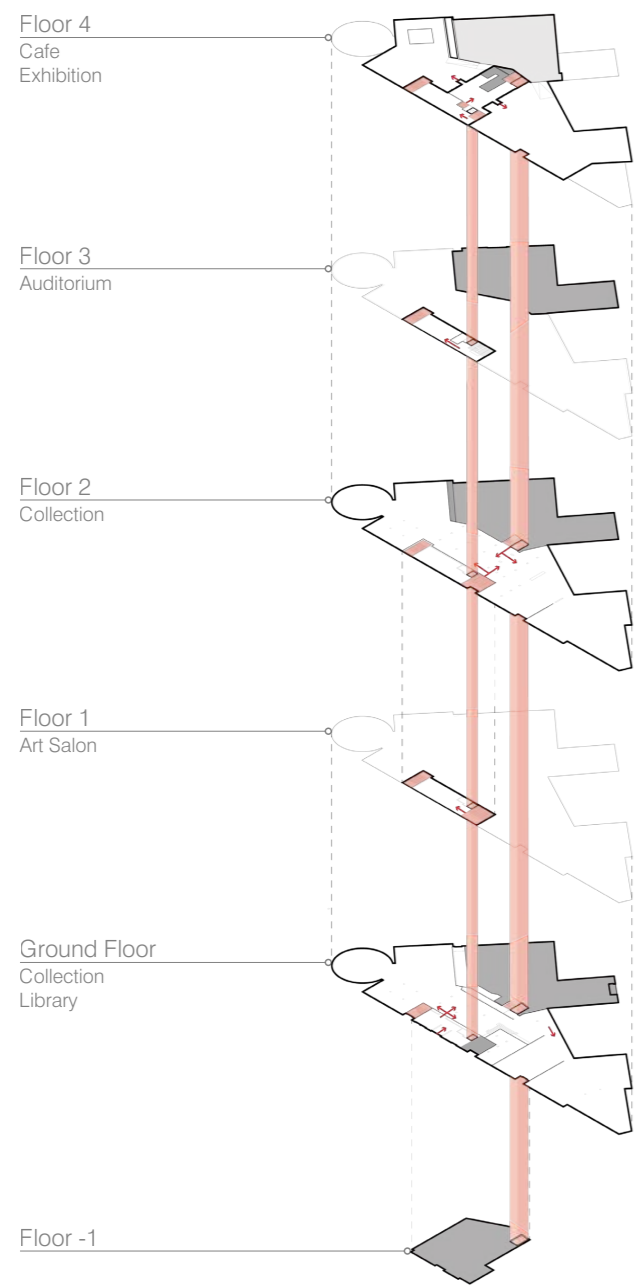


Staff

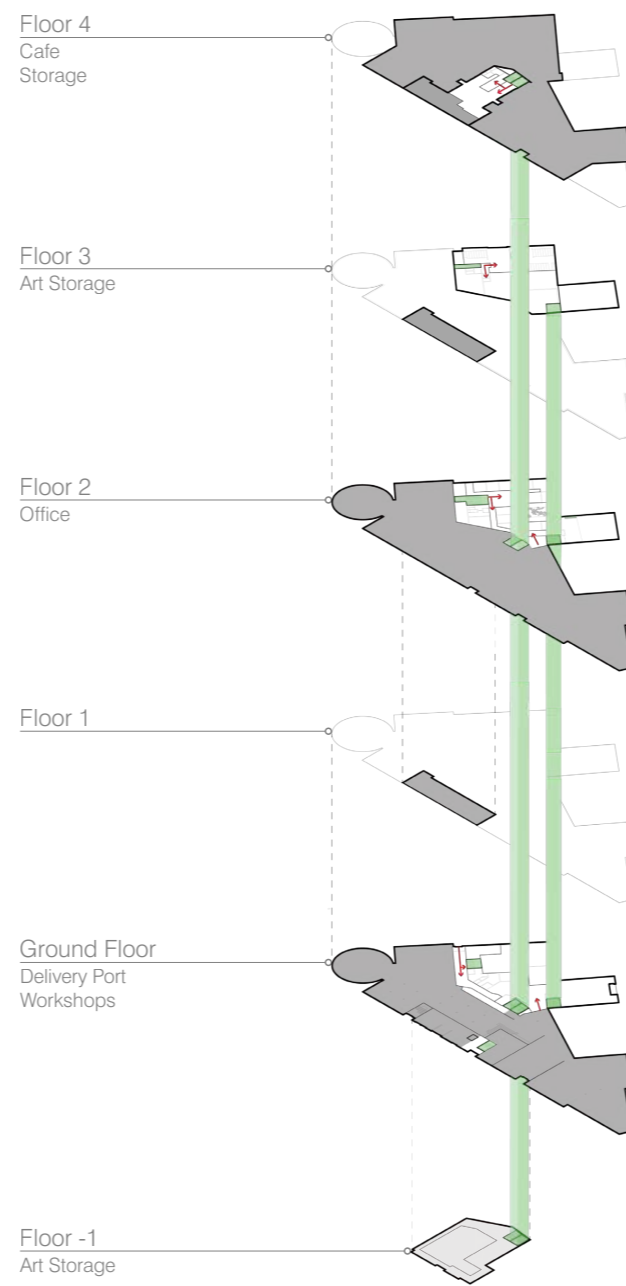


Art

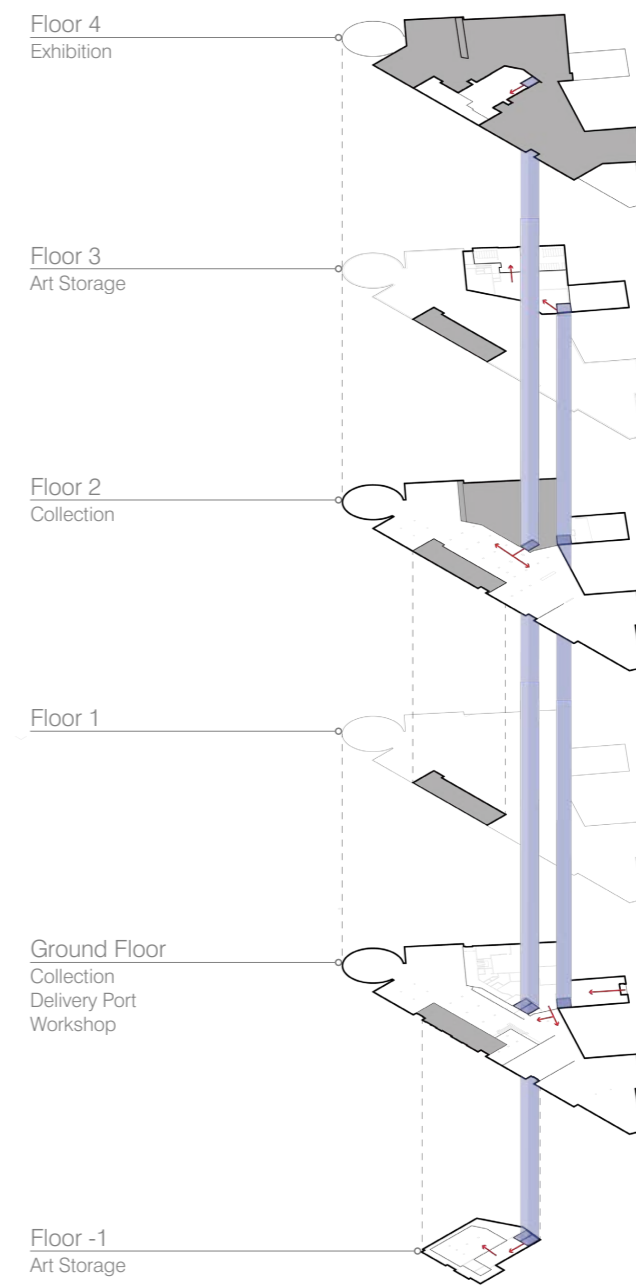
*Kunsthau, Bregenz: Circulation & Organization*



*Public*



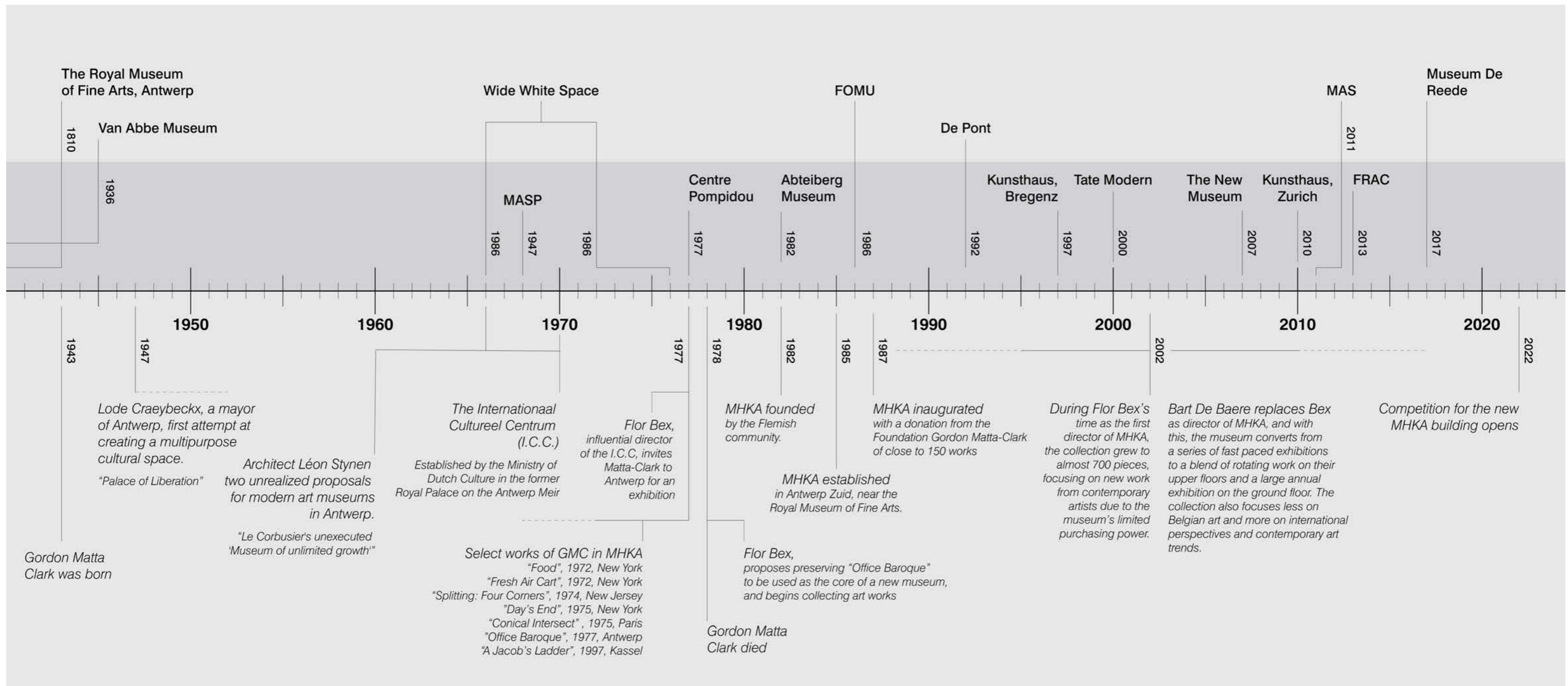
*Staff*



*Art*

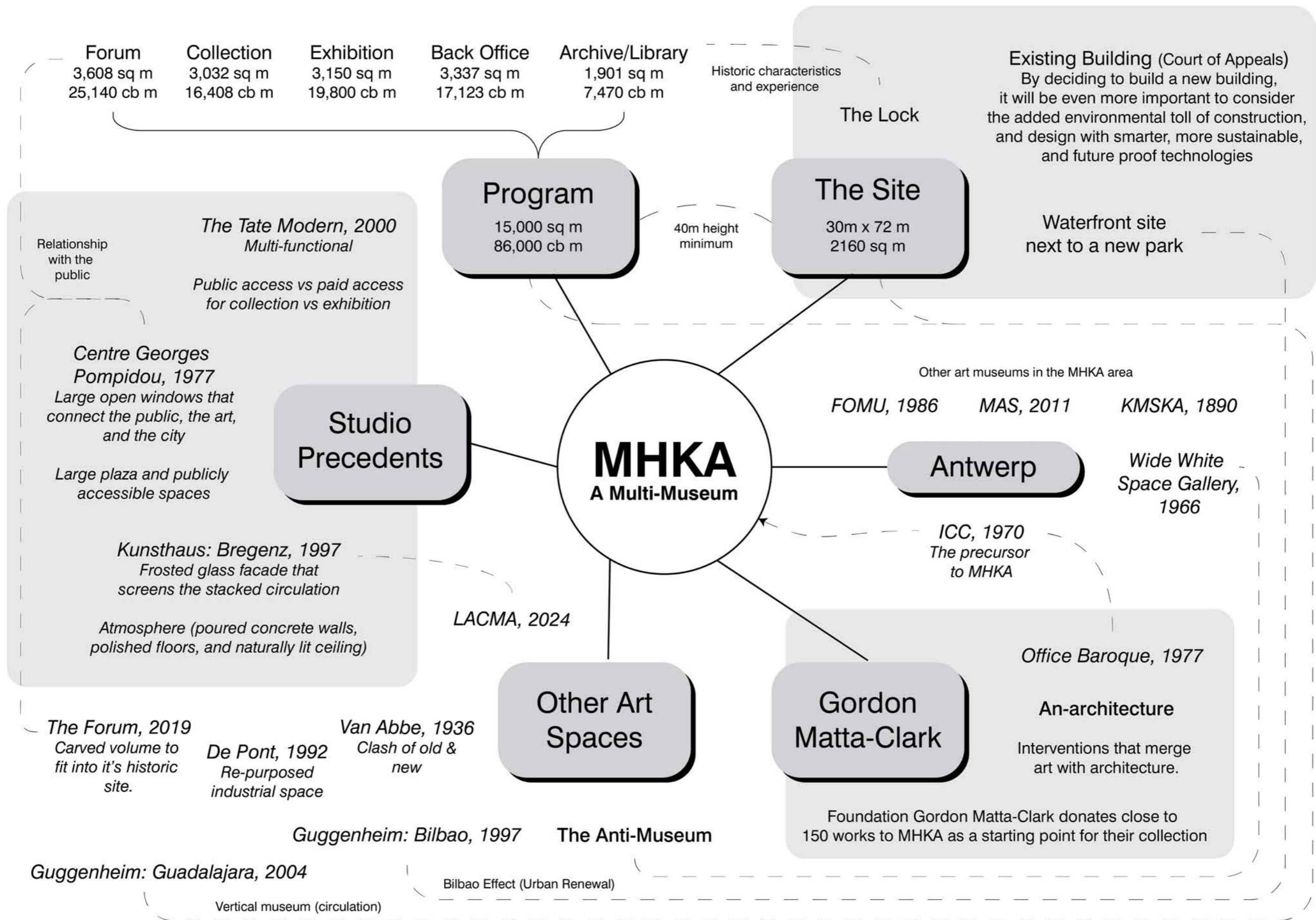
*Current MHKA: Circulation & Organization*



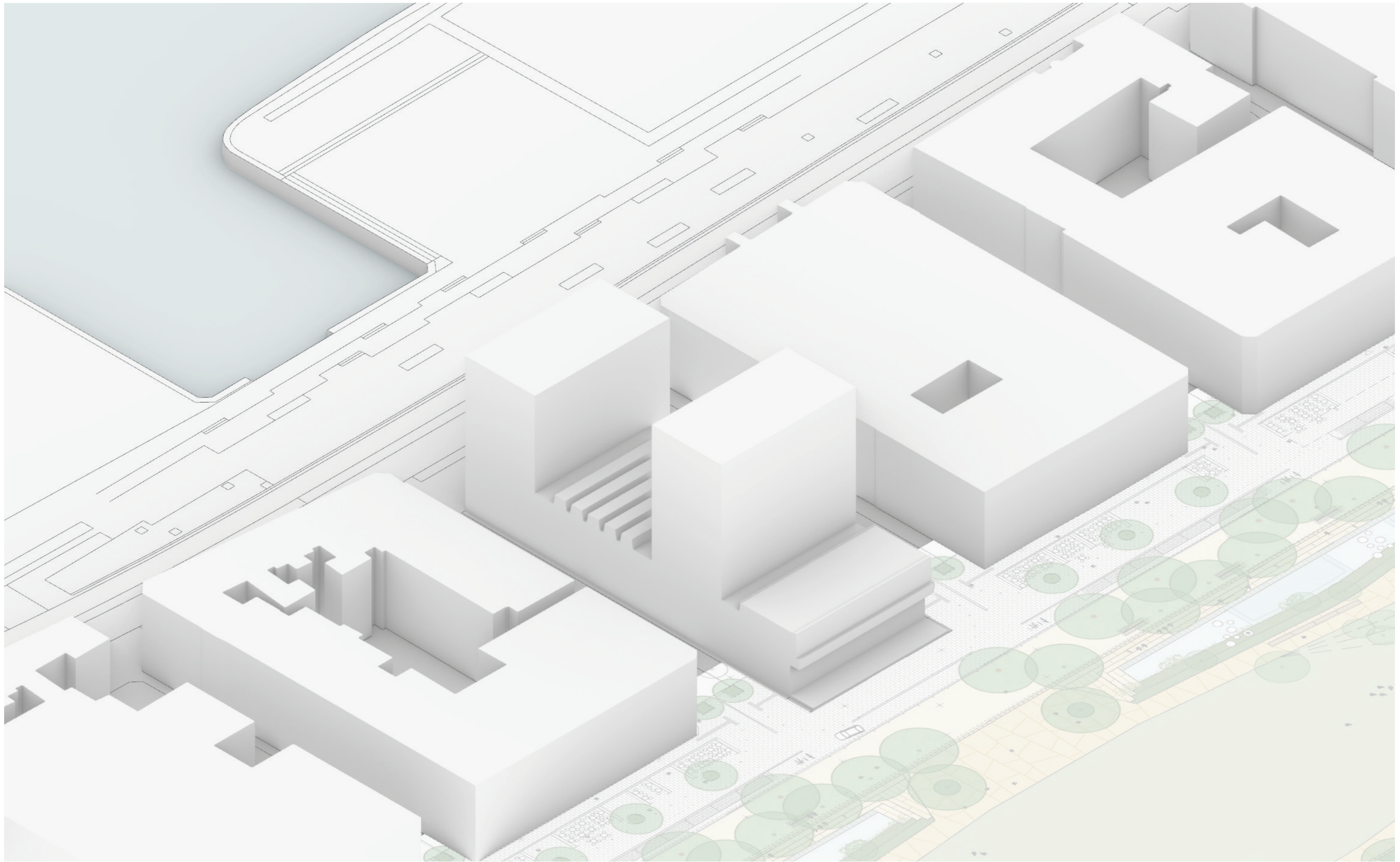


Timeline of MHKA, GMC, and the 8 Studio Precedents

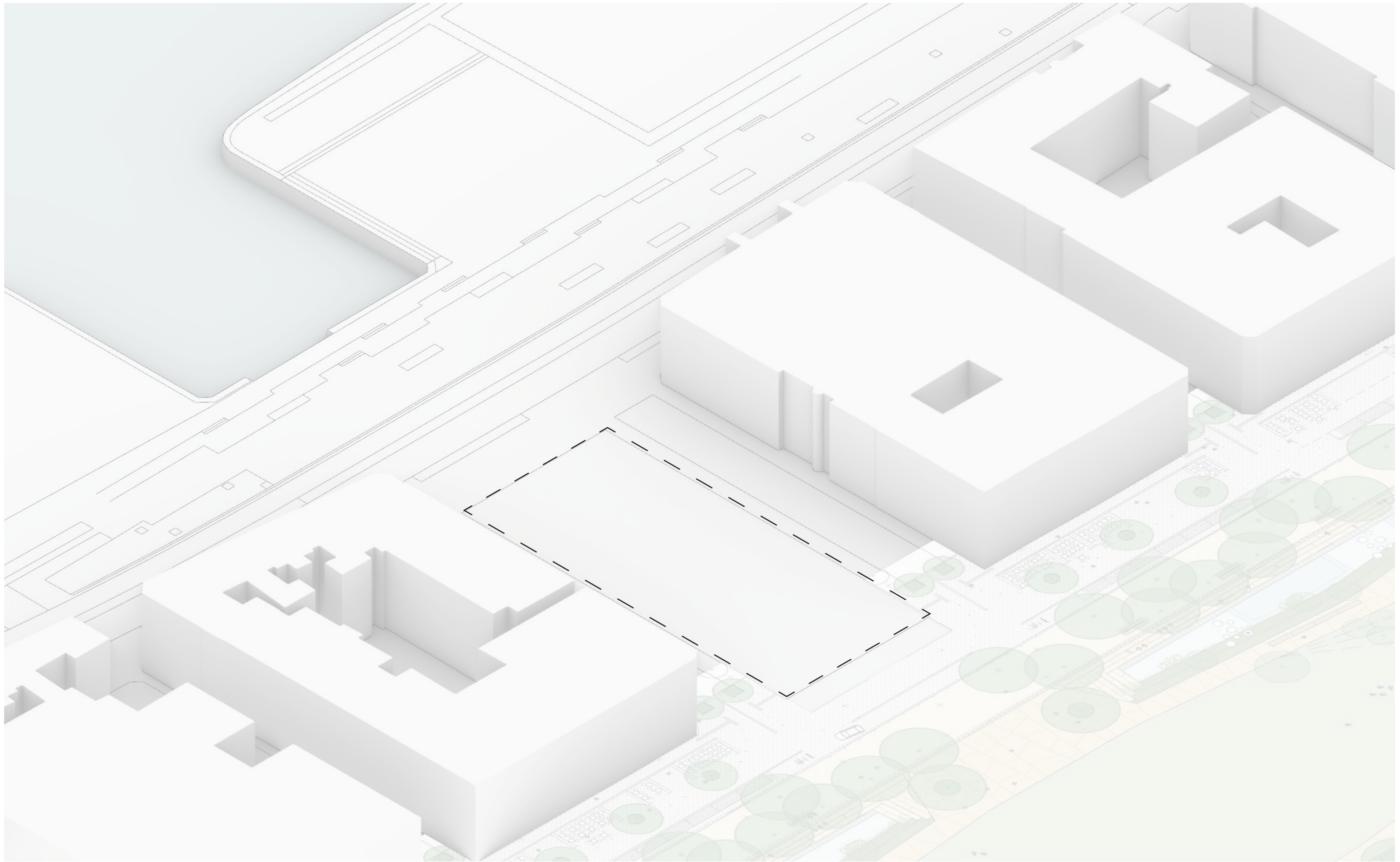




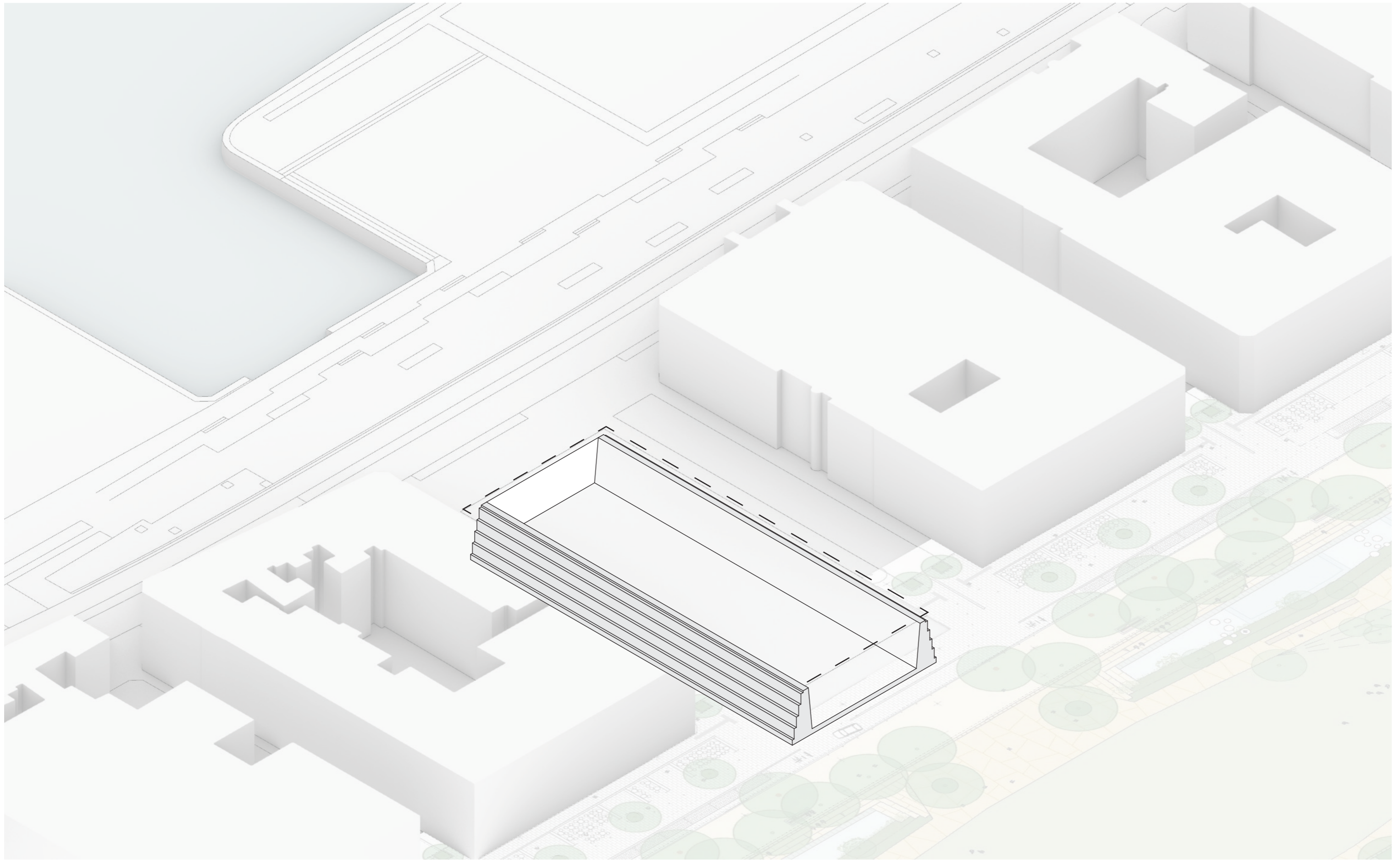
What makes MHKA a Multi-Museum?



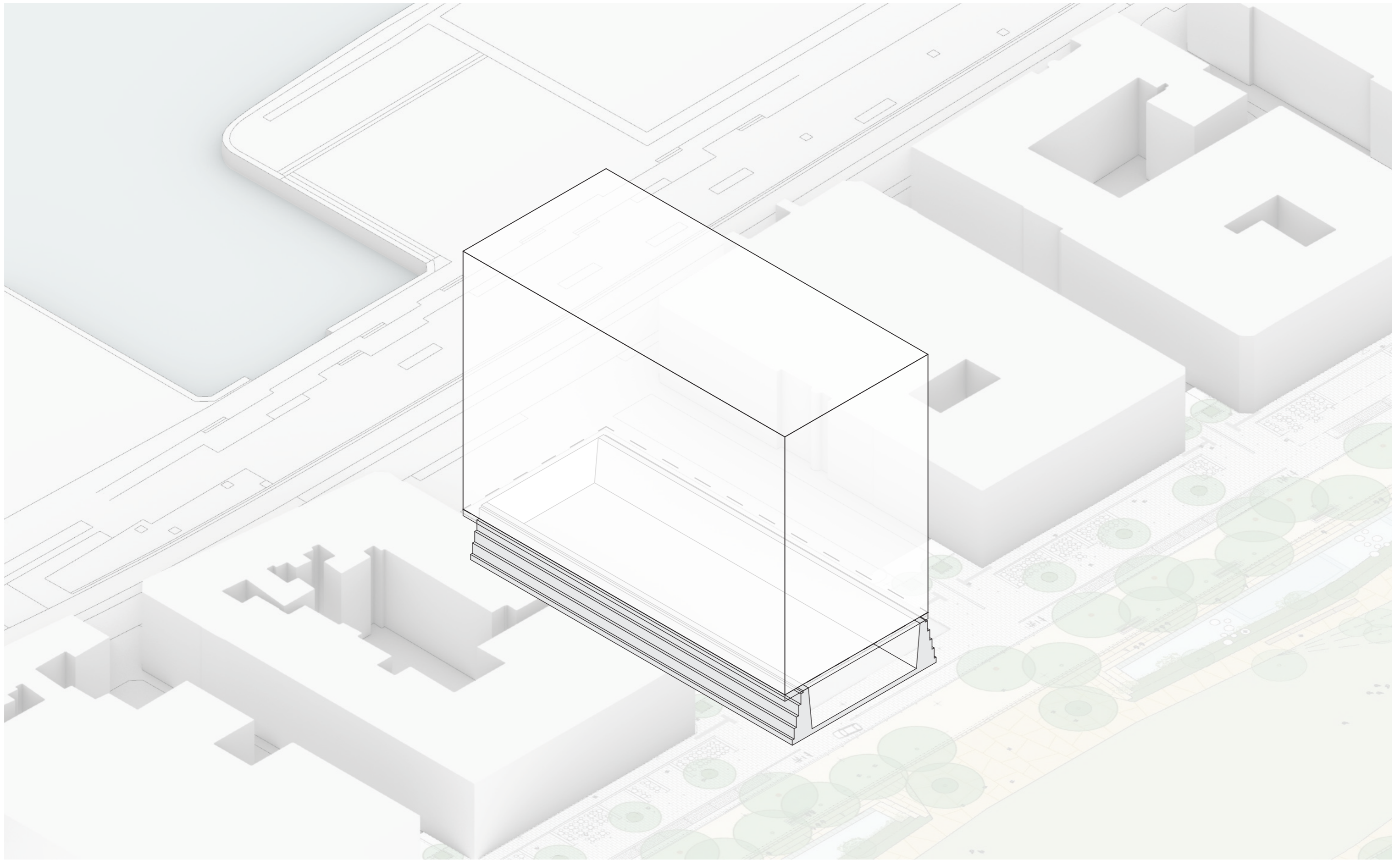
*The new site - Court of Appeals*



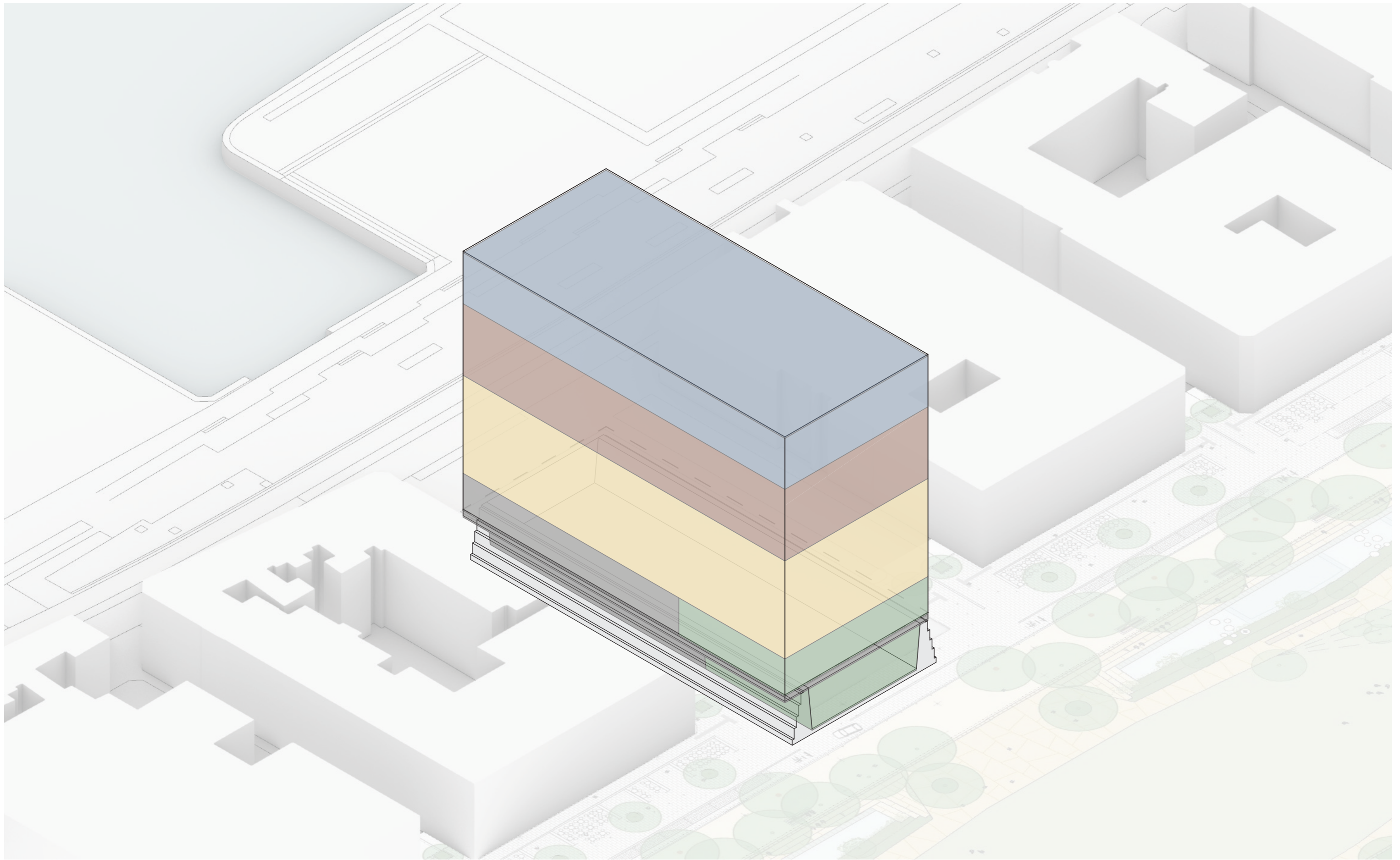
*The new site - 2,160 square meters*



*The lock*

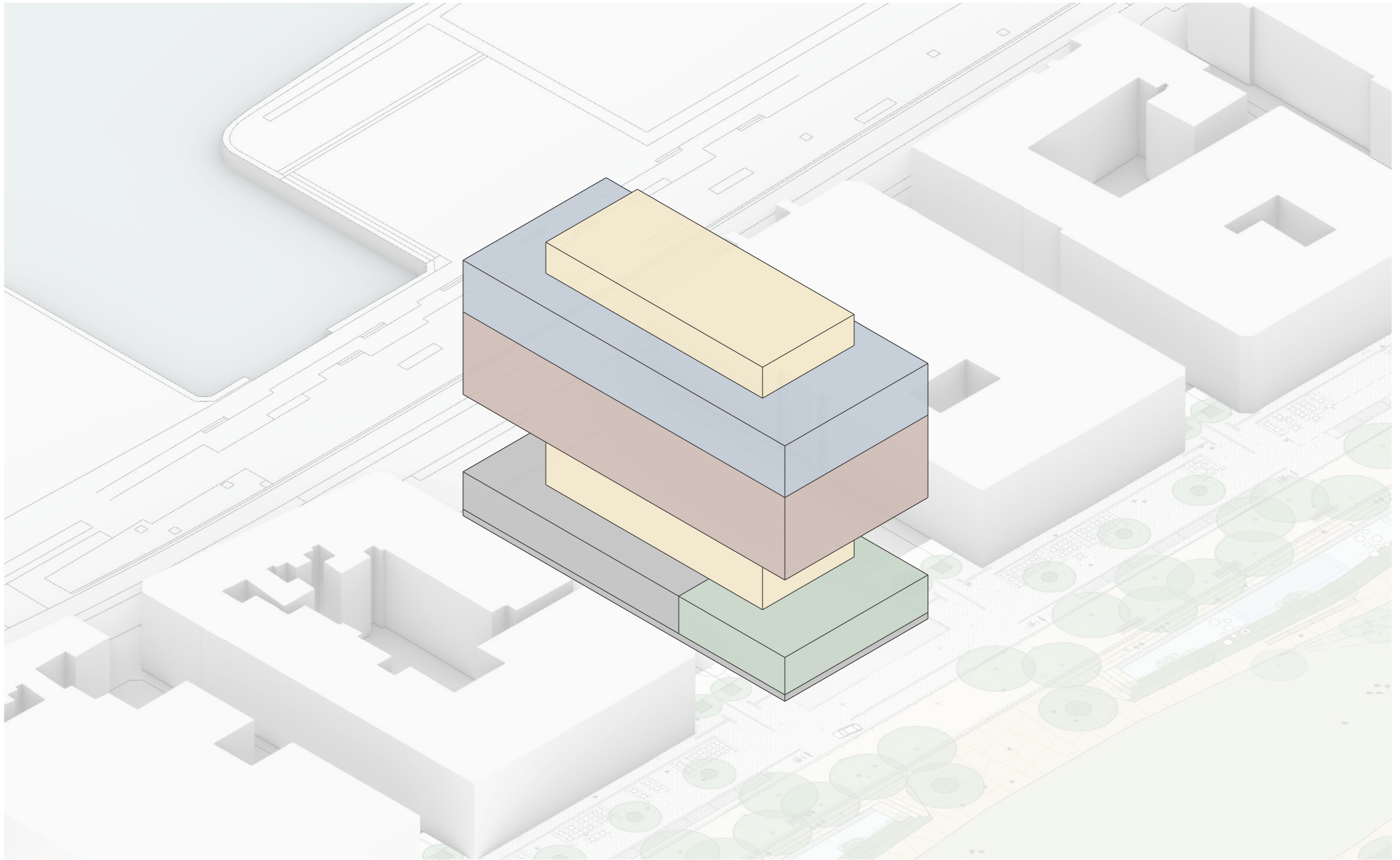


*Minimum required volume for requested program*

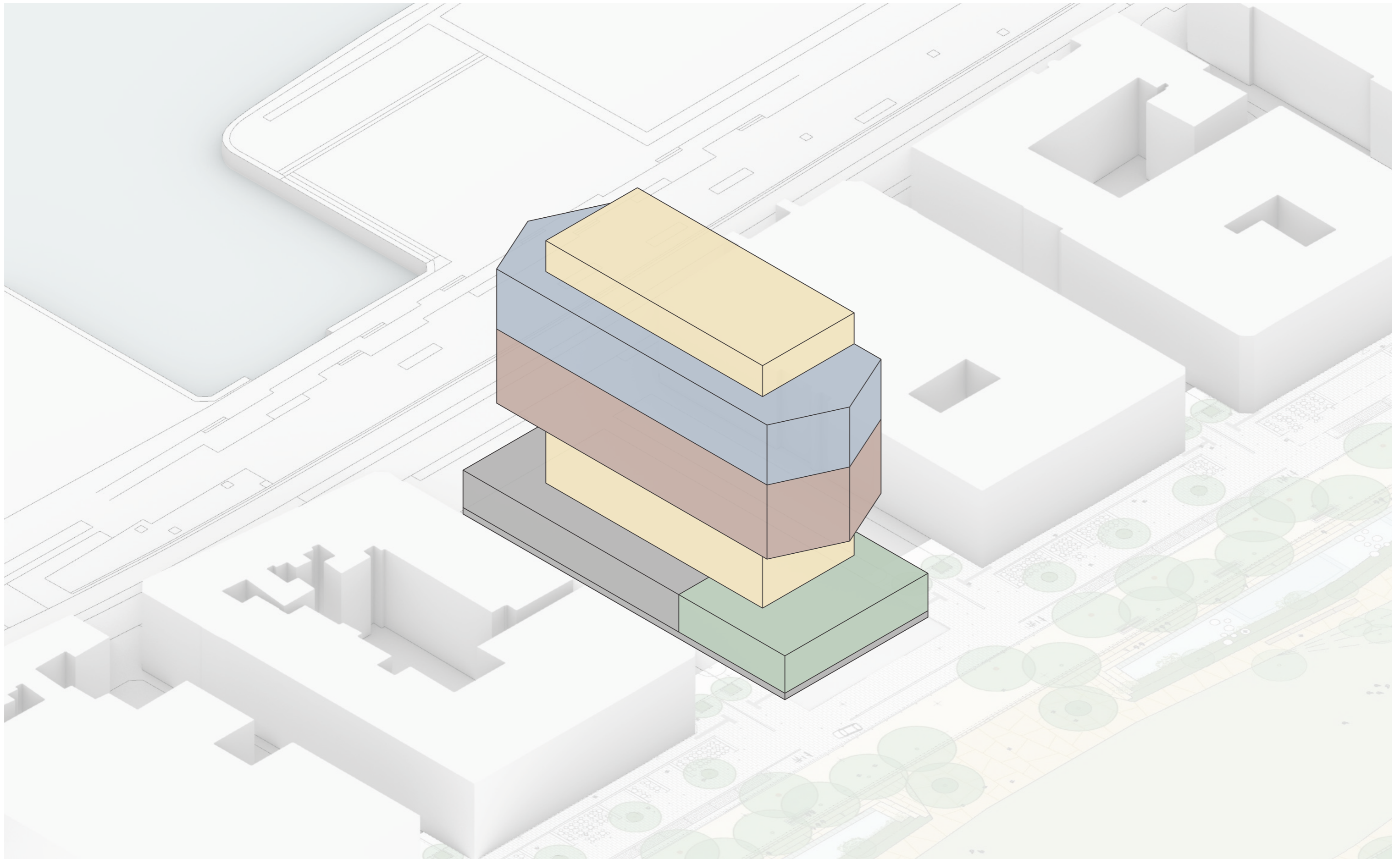


*Distribution of requested program*

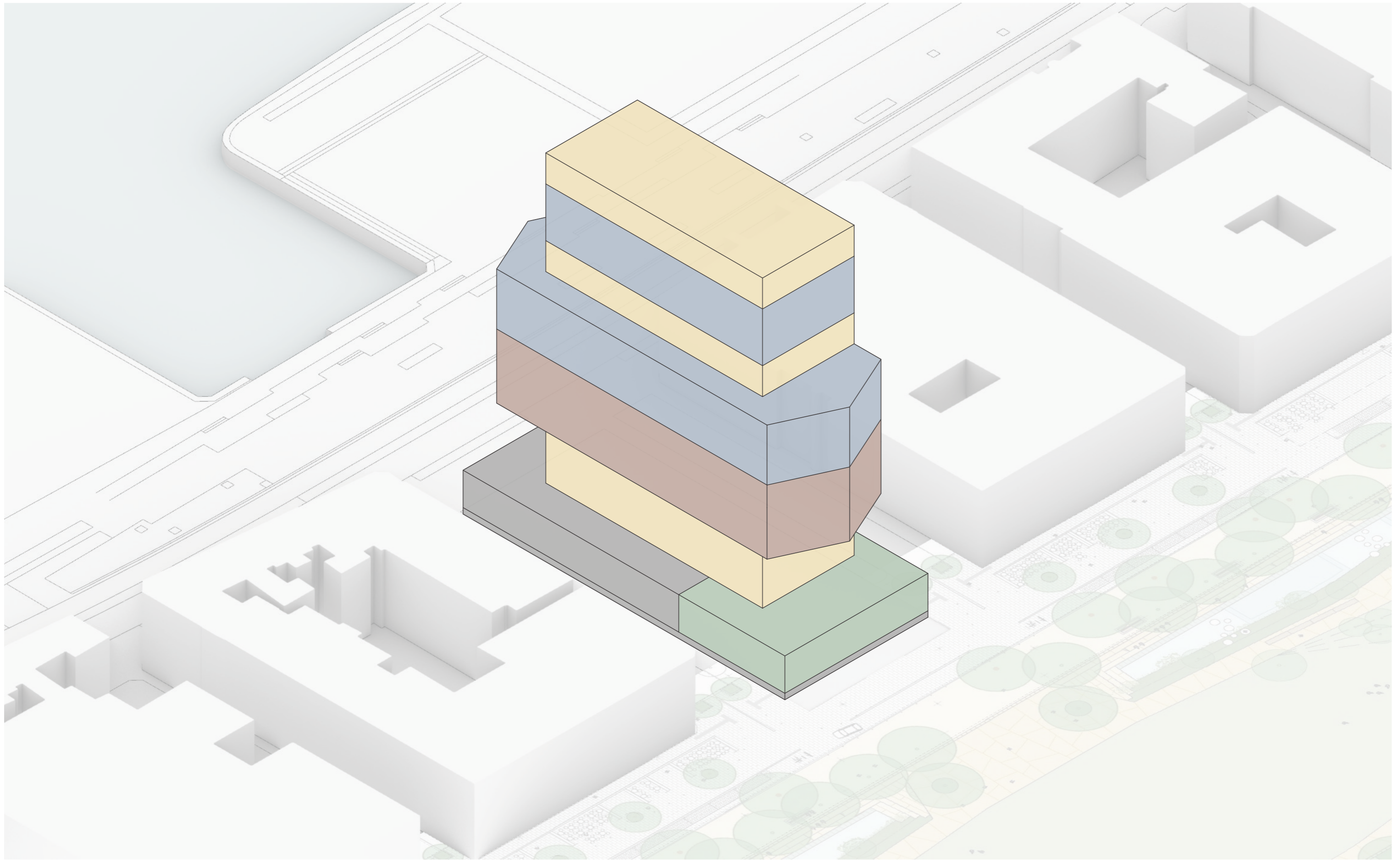




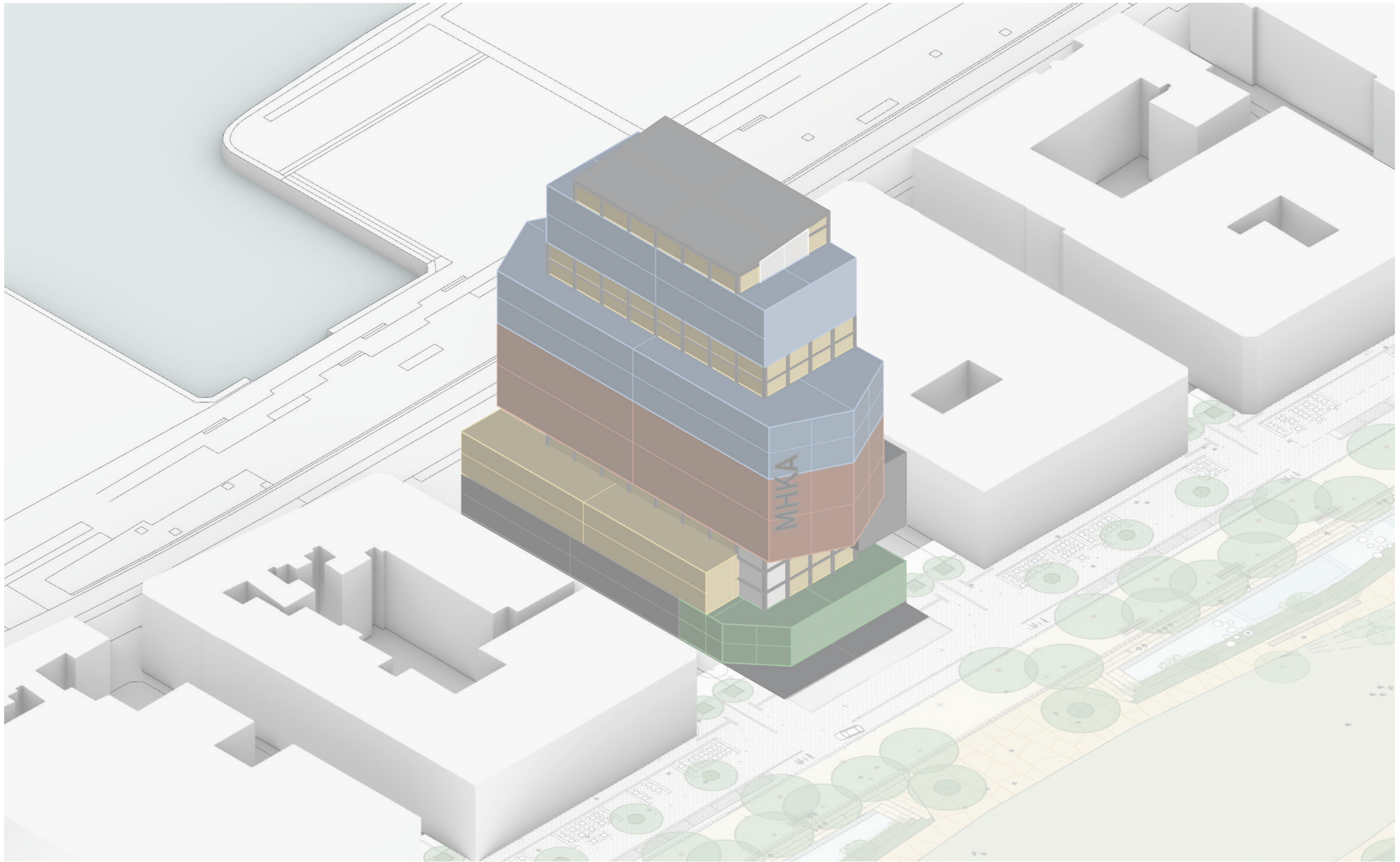
*Dividing the forum*



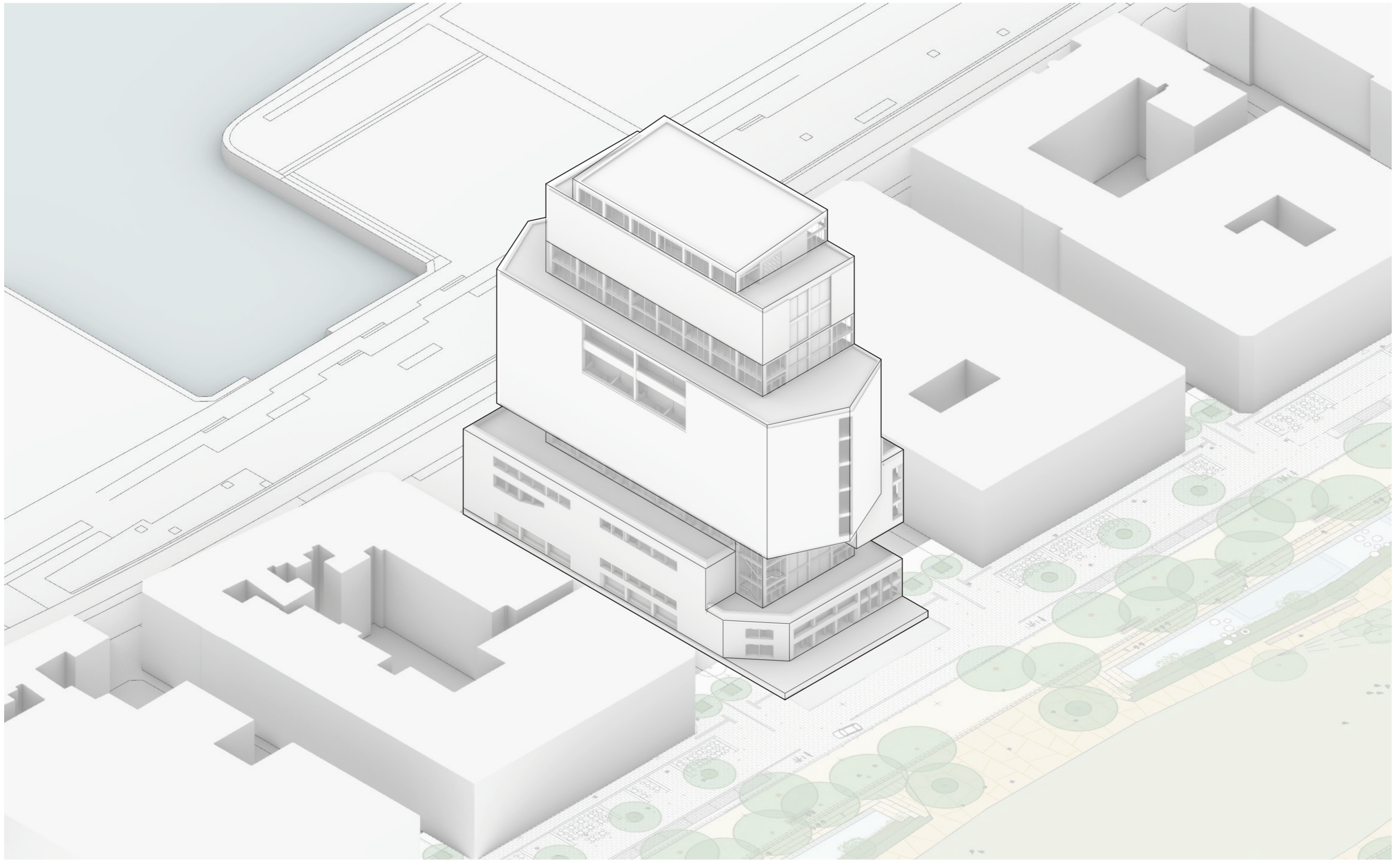
*Shaping the mass*



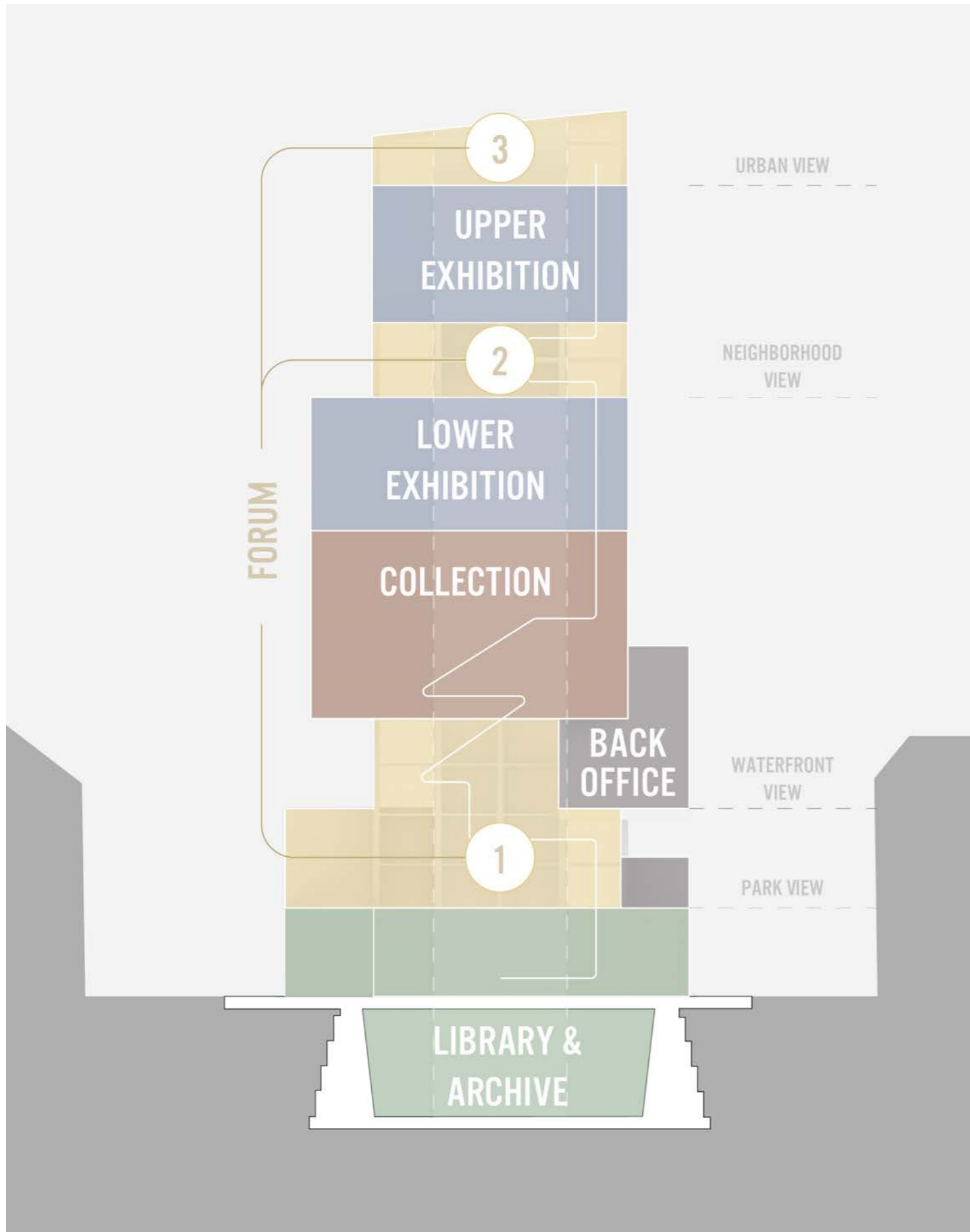
*Reintegrating lost volume*



*Additional shaping*



*Final form*



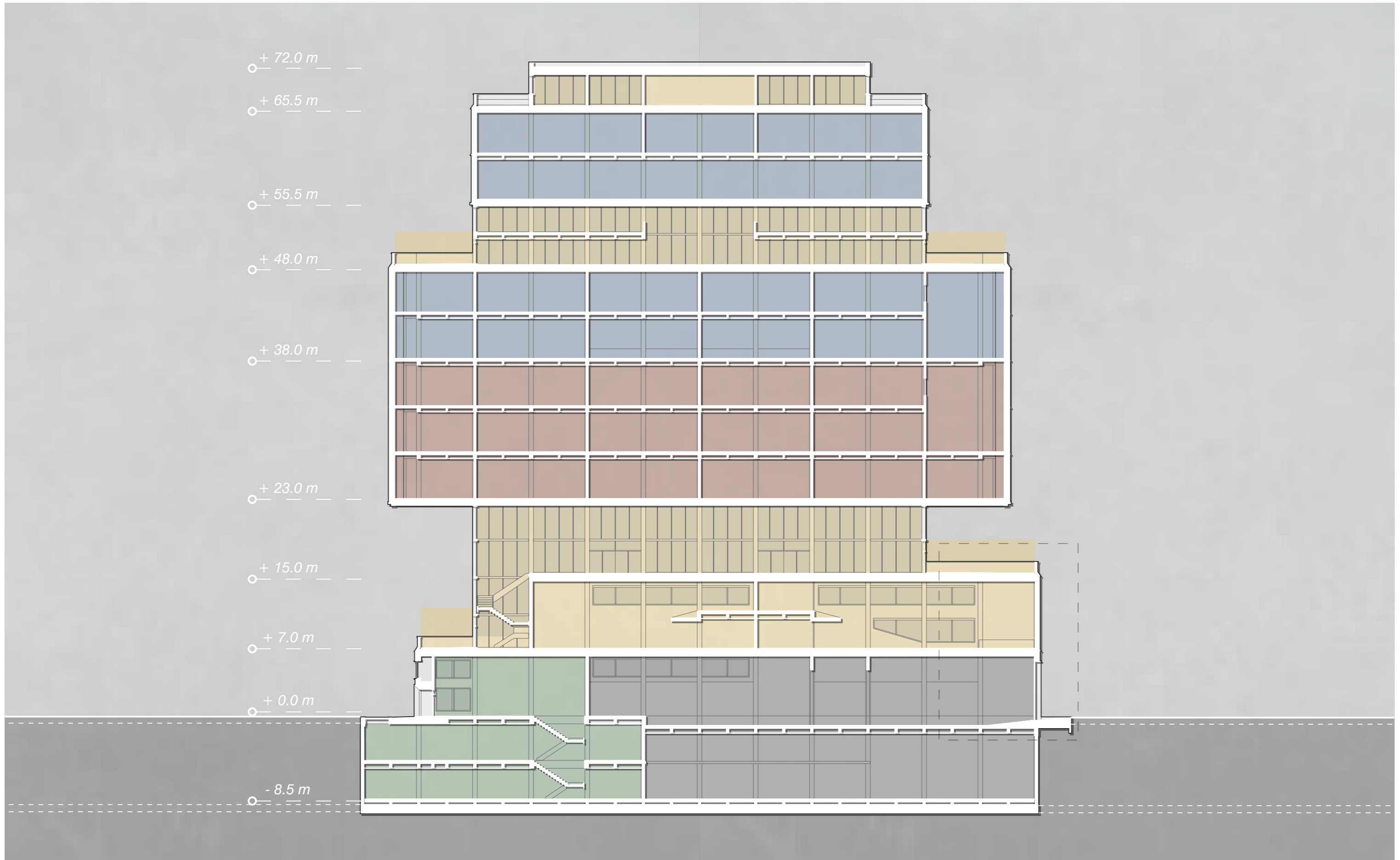
Program & Circulation Diagram

<b>COLLECTION</b>		
	3,450 m <sup>2</sup>	(+400)
	16,750 m <sup>3</sup>	(+350)
<b>EXHIBITION</b>		
	4,100 m <sup>2</sup>	(+950)
	19,800 m <sup>3</sup>	(0)
<b>LIBRARY/ARCHIVE</b>		
	1,800 m <sup>2</sup>	(-100)
	7,250 m <sup>3</sup>	(-200)
<b>FORUM</b>		
	4,450 m <sup>2</sup>	(+850)
	27,400 m <sup>3</sup>	(+2,250)
<b>BACK OFFICE</b>		
	3,900 m <sup>2</sup>	(+550)
	19,700 m <sup>3</sup>	(+2,600)
<b>TOTAL</b>		
	17,700 m <sup>2</sup>	(+2,700)
	90,900 m <sup>3</sup>	(+4,950)
	125,250 m <sup>3</sup>	(-3,700)

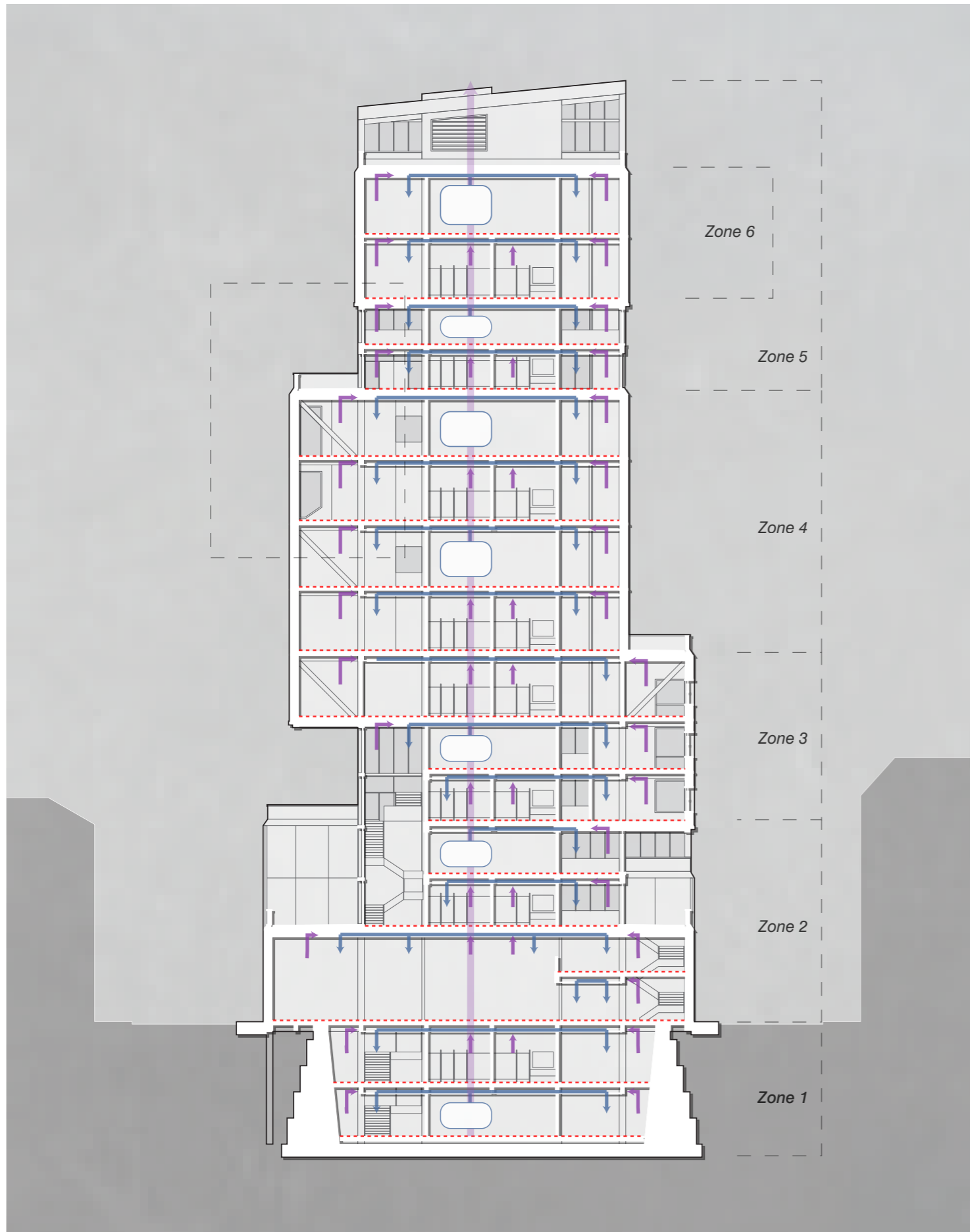
Net

Gross

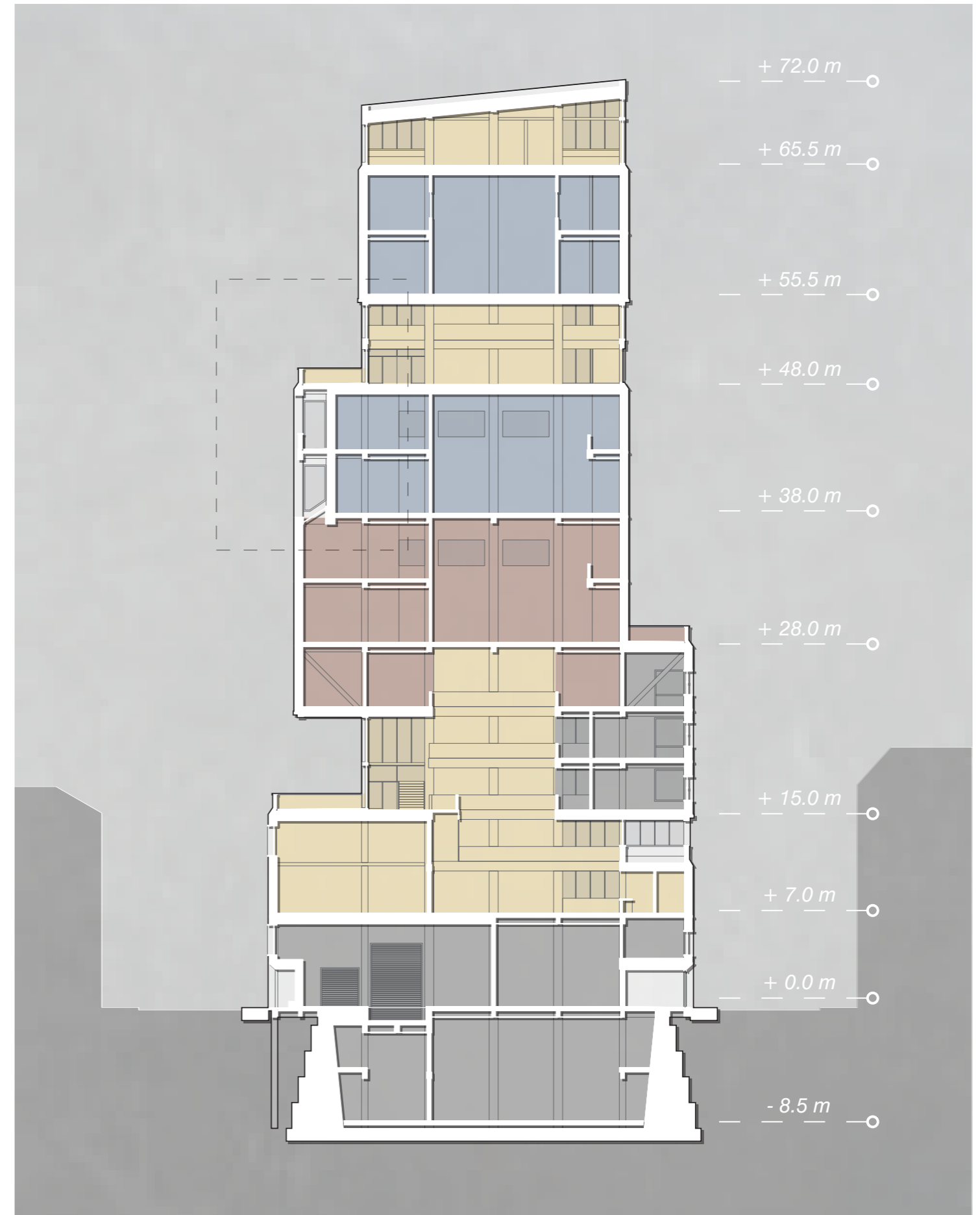
Required Areas & Volumes



*Long Section - Program Distribution*

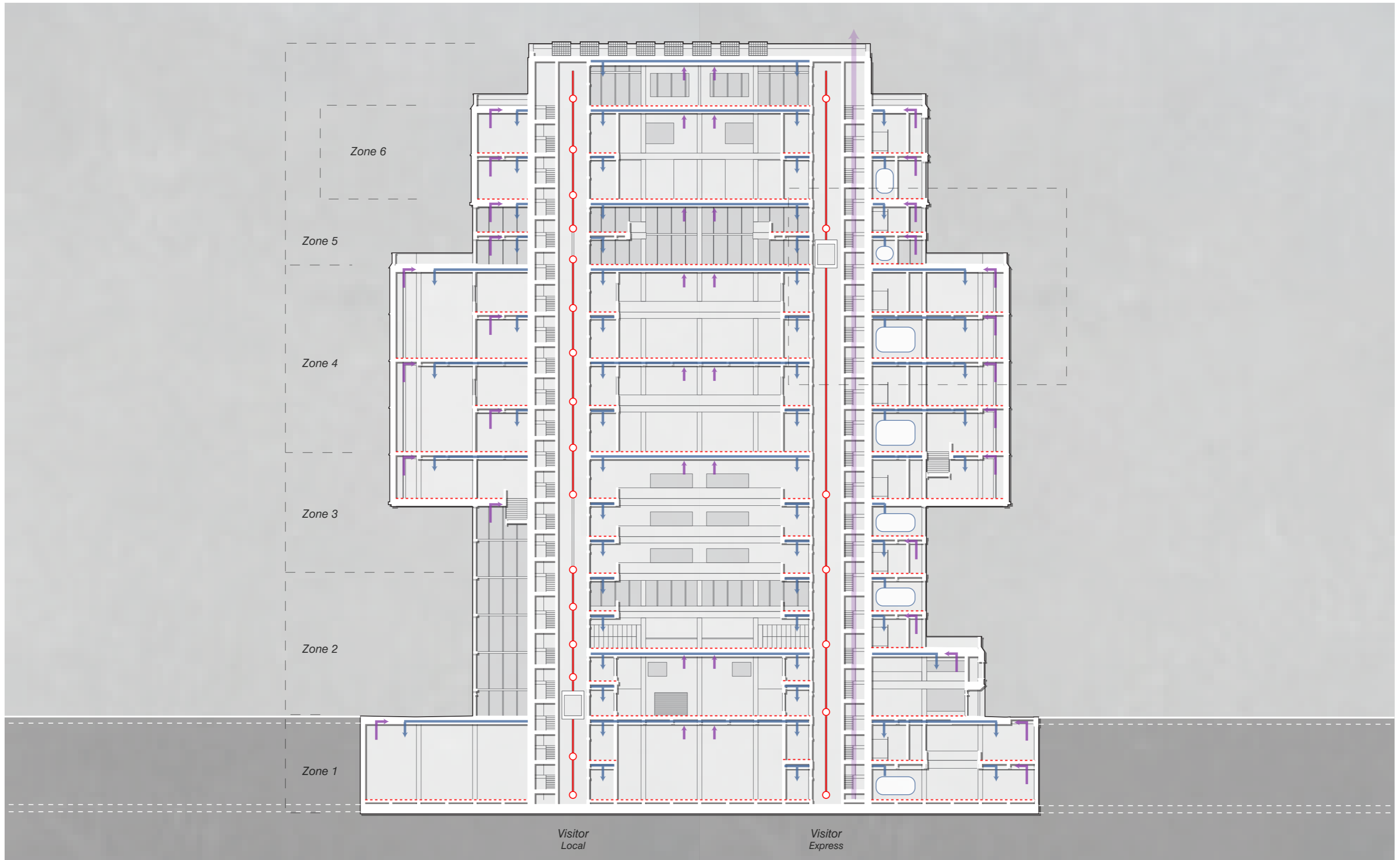


Short Section - Climate & Facilities

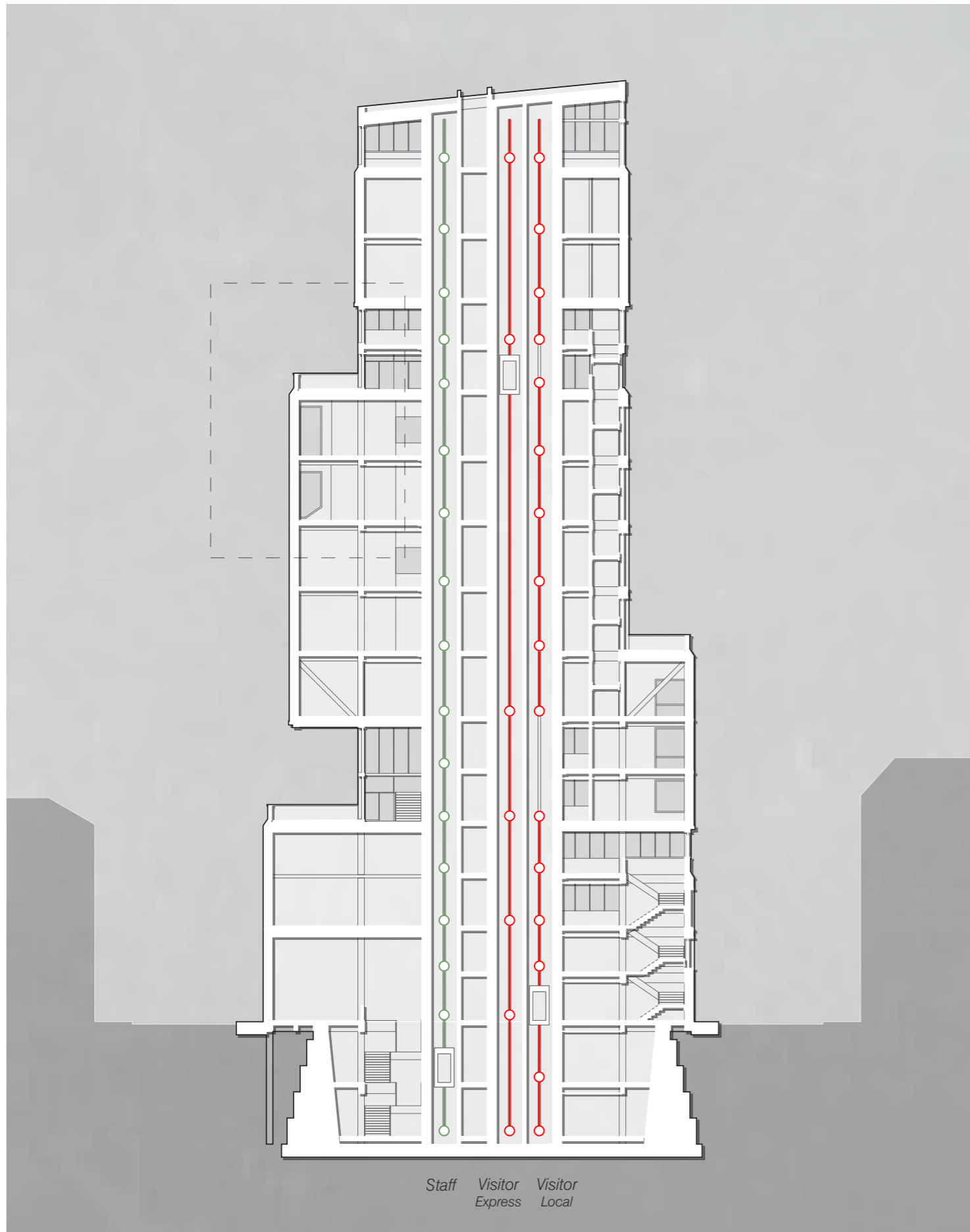


Short Section - Central Void

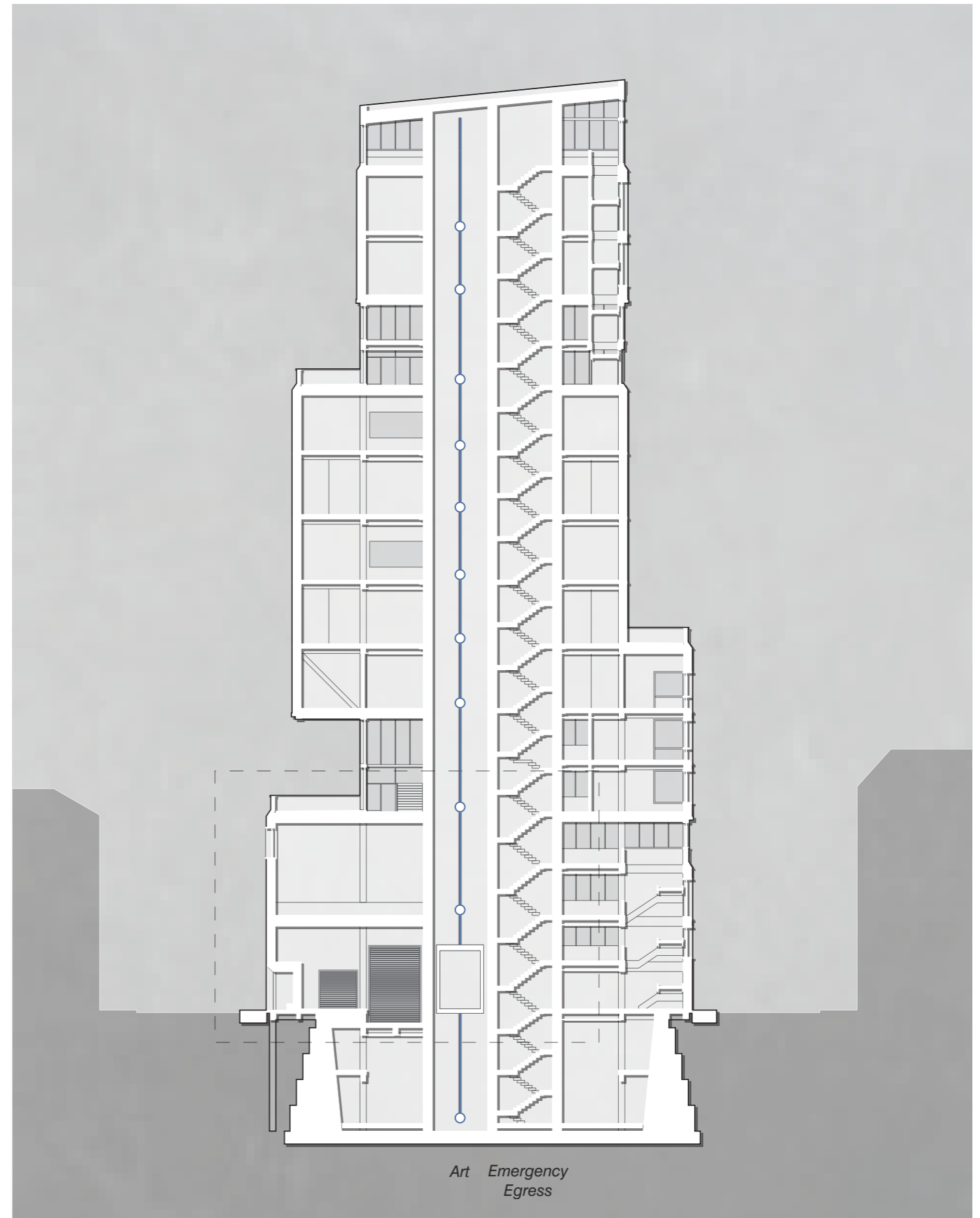




*Long Section - Systems & Circulation*



*Short Section - Staff & Visitor Circulation*



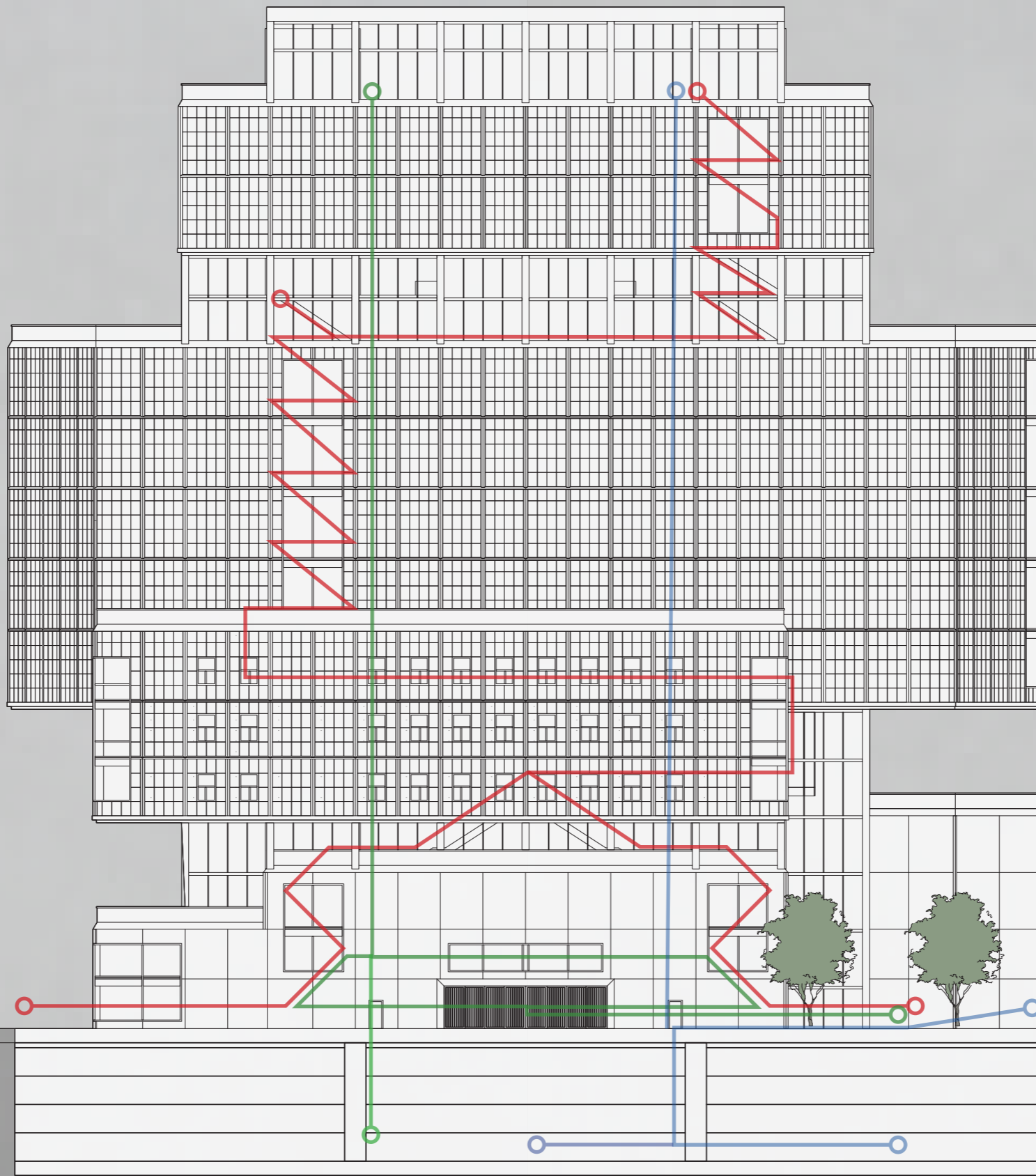
*Short Section - Art Circulation & Emergency Egress*



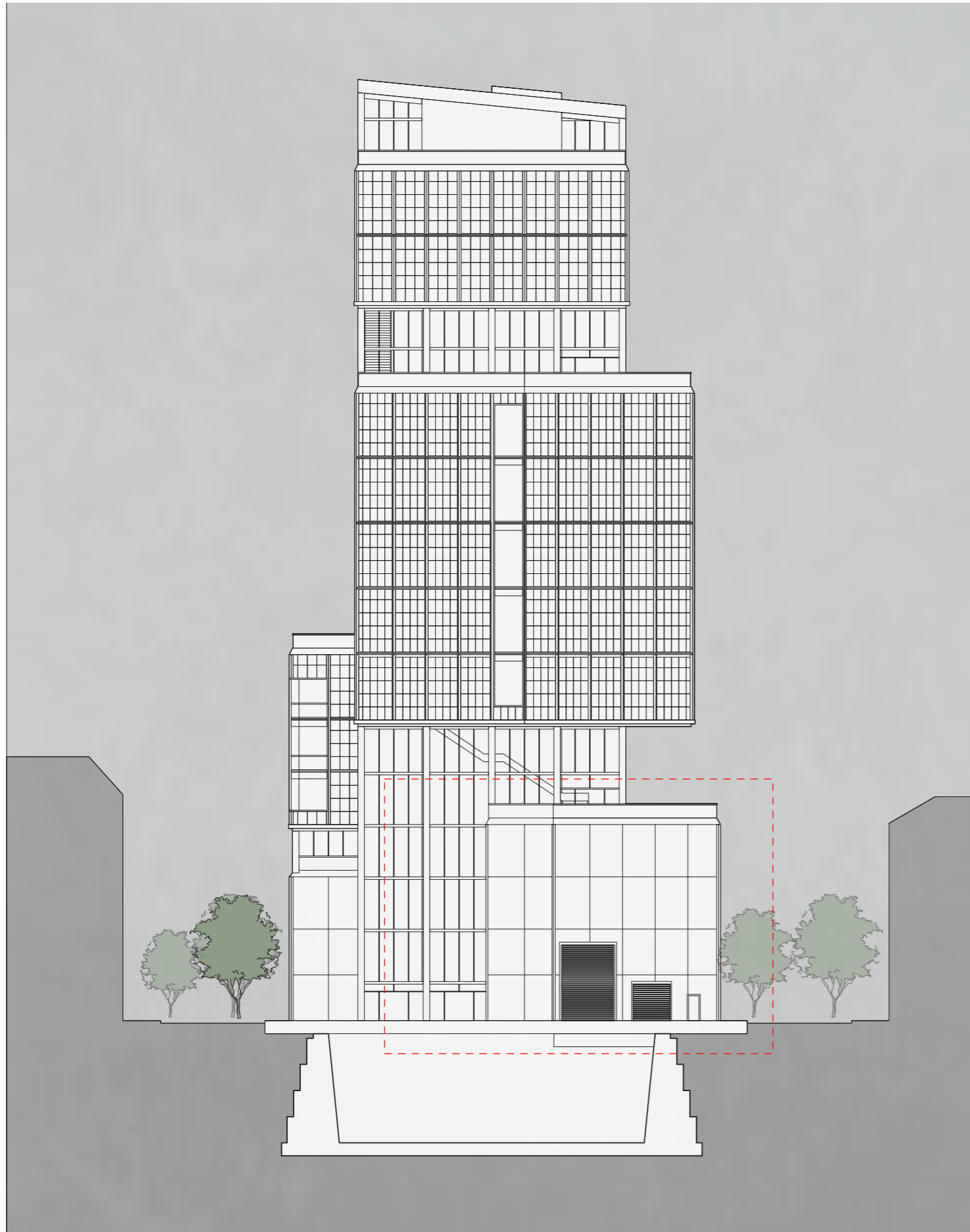
*Parkside Elevation*



*Southwest Elevation*



*Northeast Elevation*



Waterfront Elevation



Figure 9: T3 Bayside, 3XN, Toronto, Canada

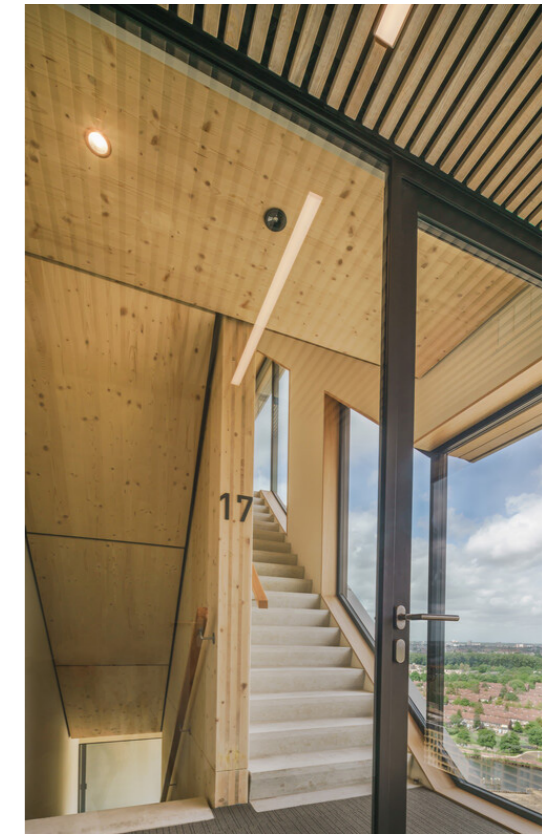


Figure 10: HAUT, Team V, Amsterdam, The Netherlands



Figure 11: Proposed Guggenheim: Guatalajara, Asymptote Architecture

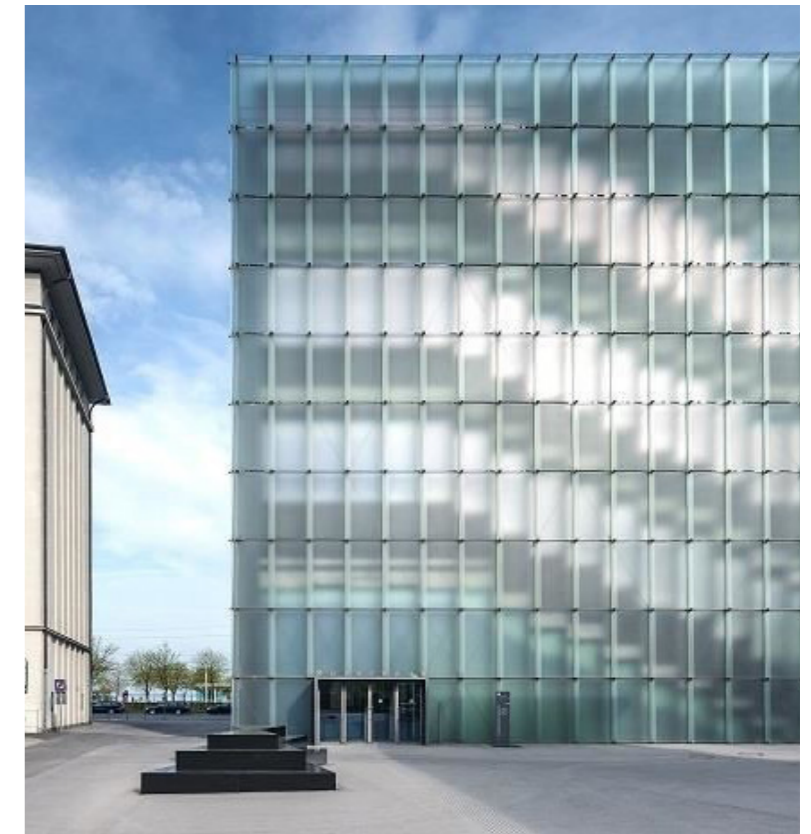
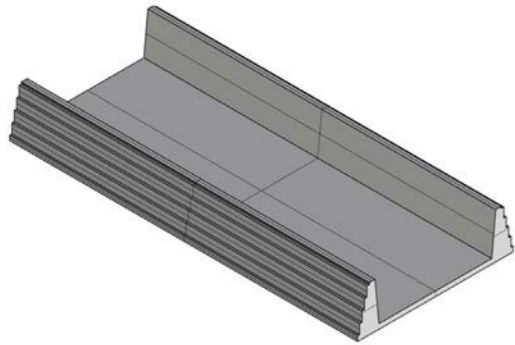
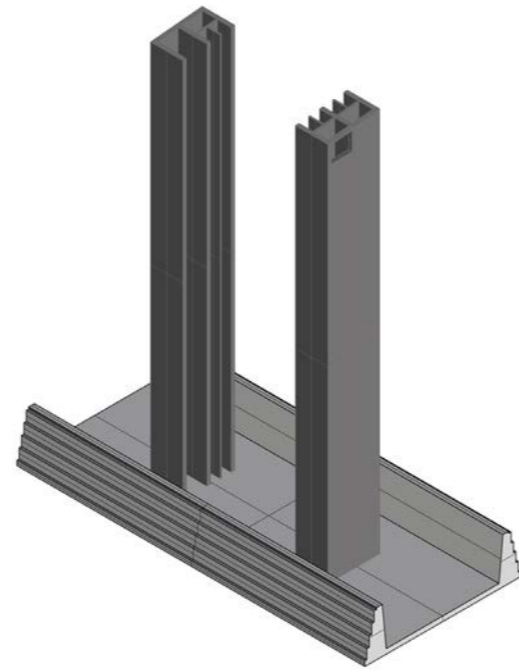


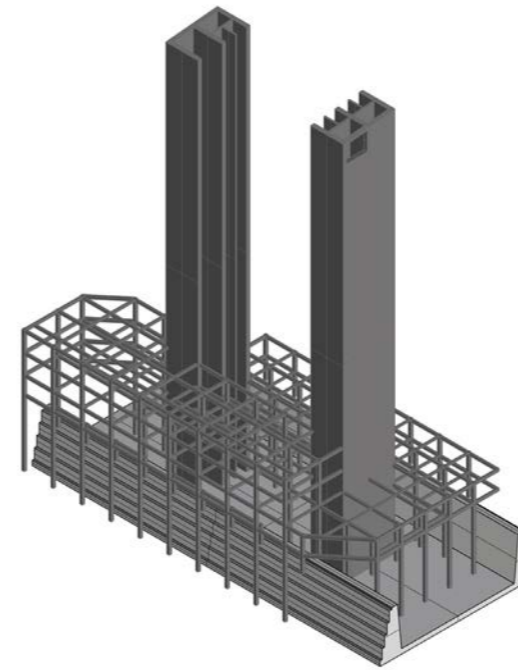
Figure 12: Kunsthaus: Bregenz, Peter Zumthor, Austria



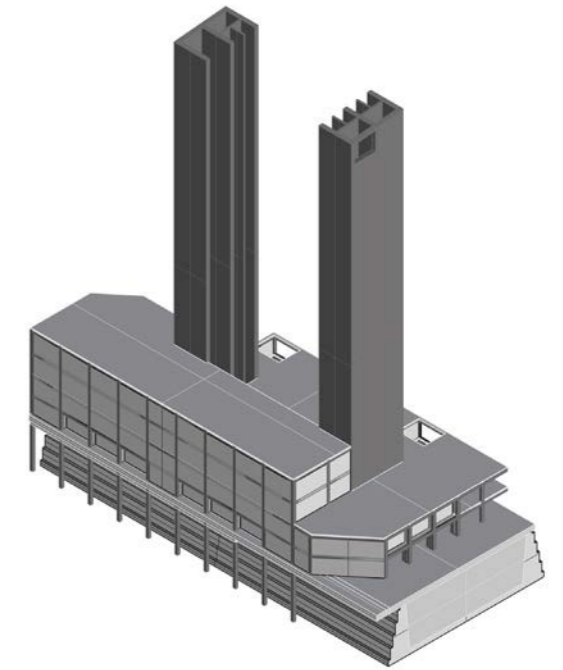
*The Lock*



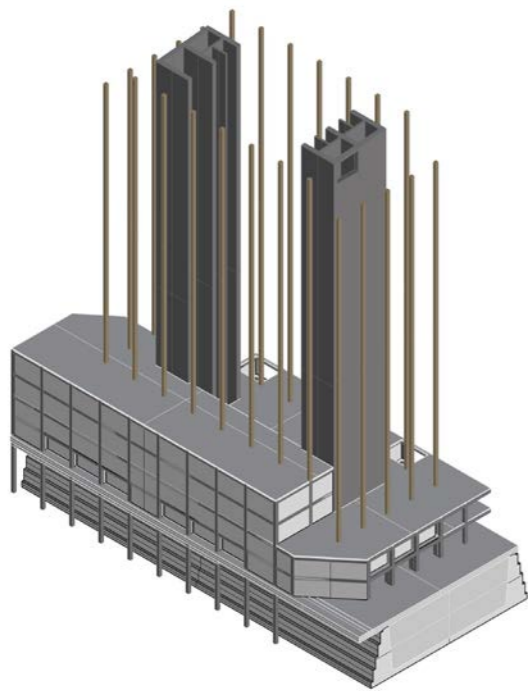
*Concrete Cores*



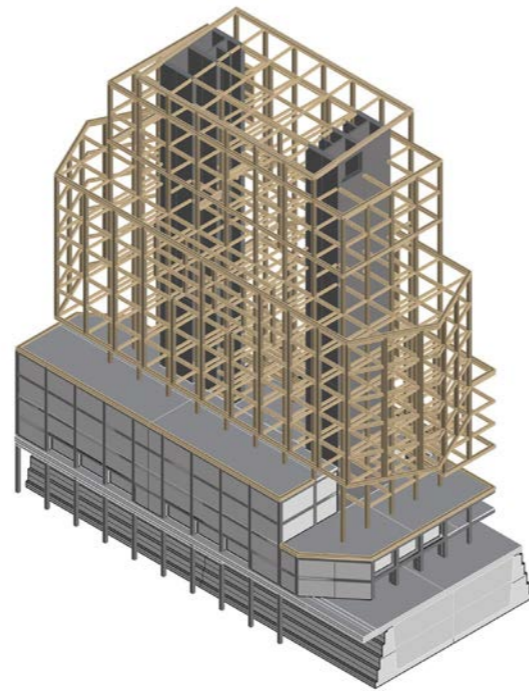
*Concrete Beams & Columns*



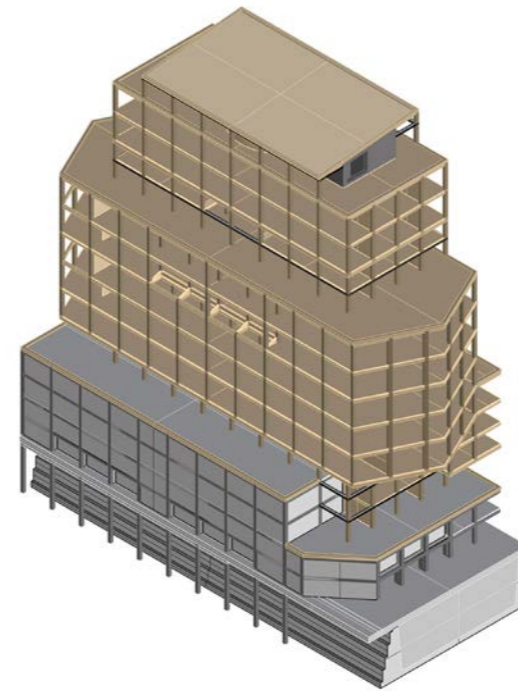
*Precast Concrete Walls & Floors*



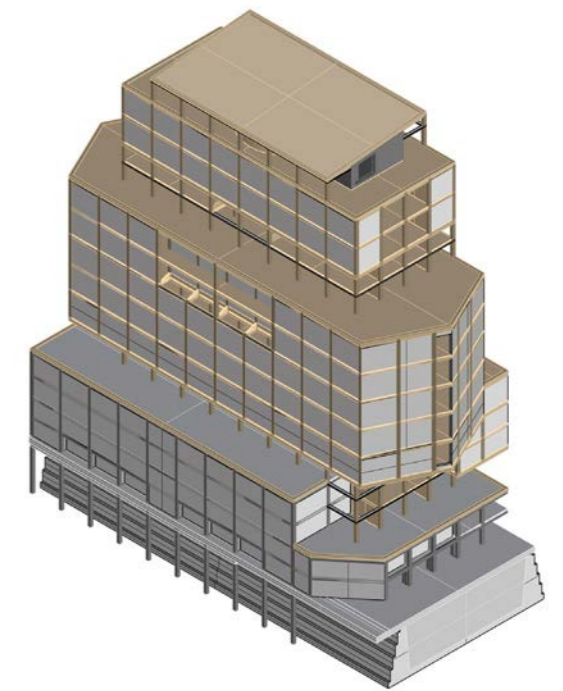
*Primary Glulam Structure*



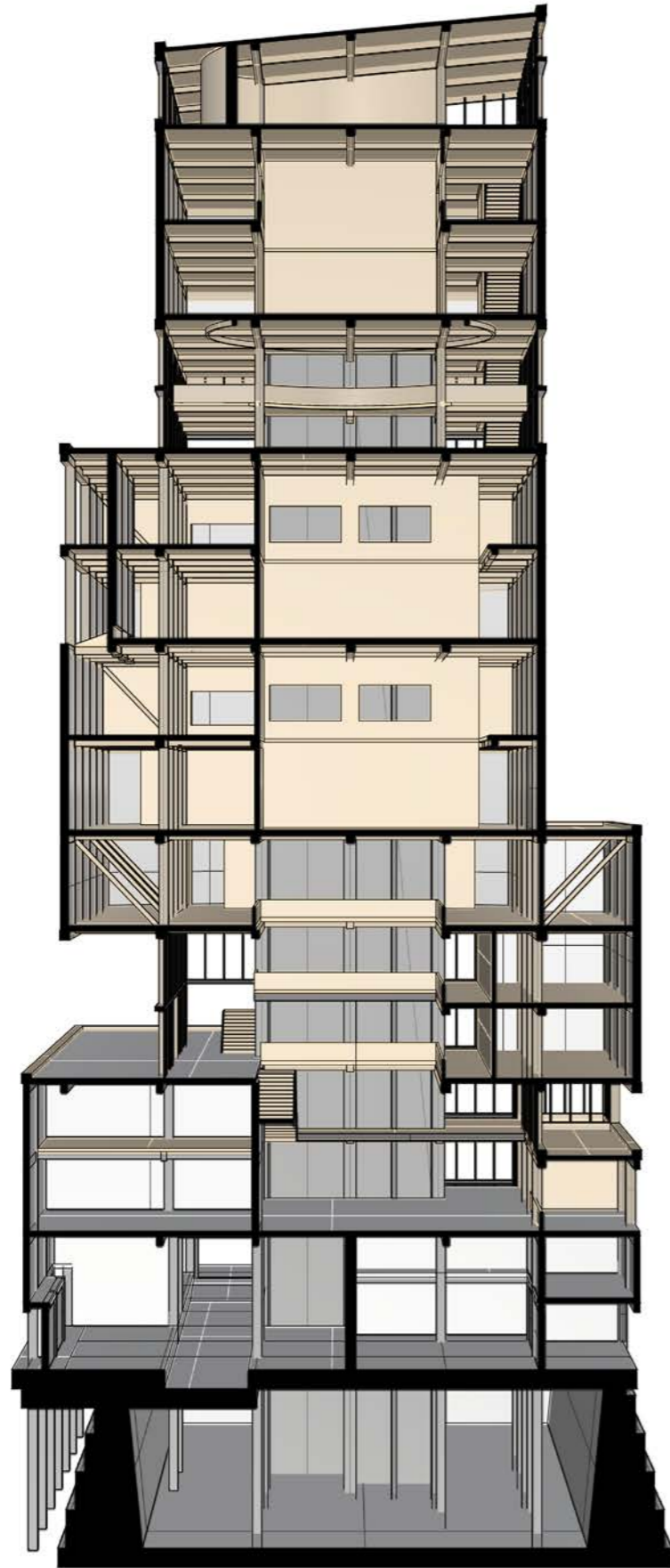
*Secondary Glulam Structure*



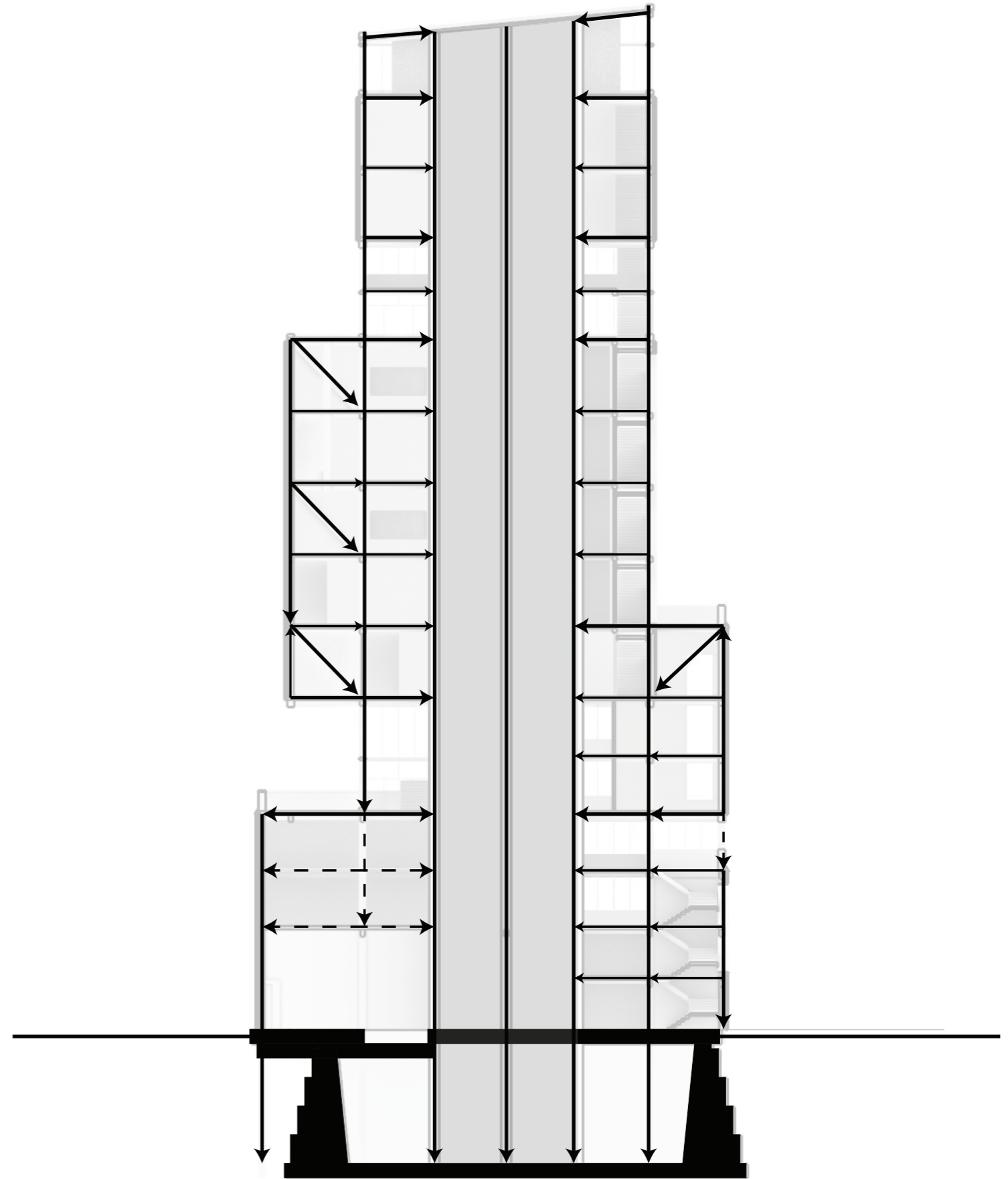
*CLT Floors*



*Walls - CLT Interior & Hempcrete Exterior*



*Short Section - Construction Materials*



*Direction of forces diagram*





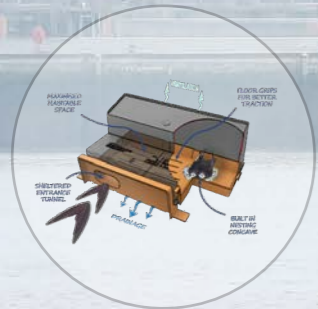
Solar roof



Falcon nesting box



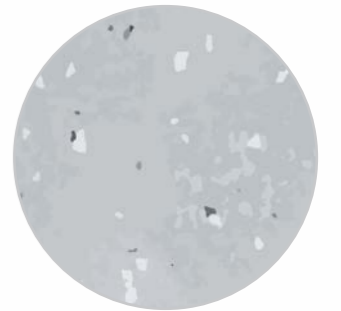
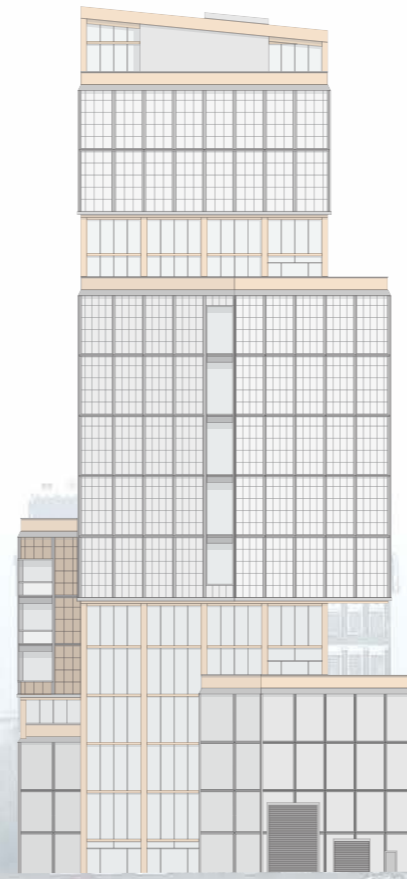
Bee hive



Swift nesting box



Bat nesting box



Grey, speckled, semi-gloss finished "Polygood" Recycled Plastic Panel By The Good Plastic Company



Douglas fir CLT and Glulam columns, beams, and panels

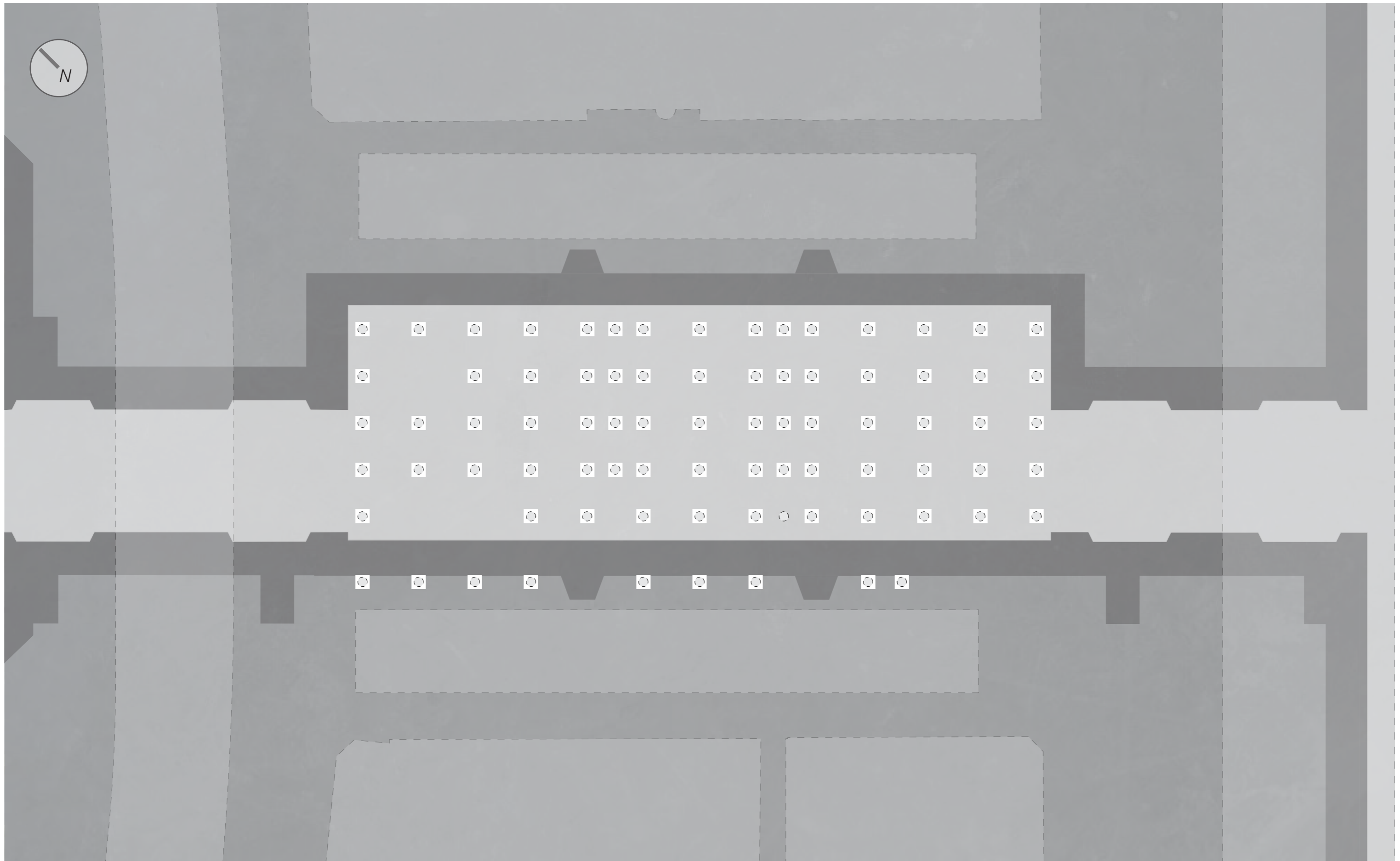


Natural toned exterior cork cladding

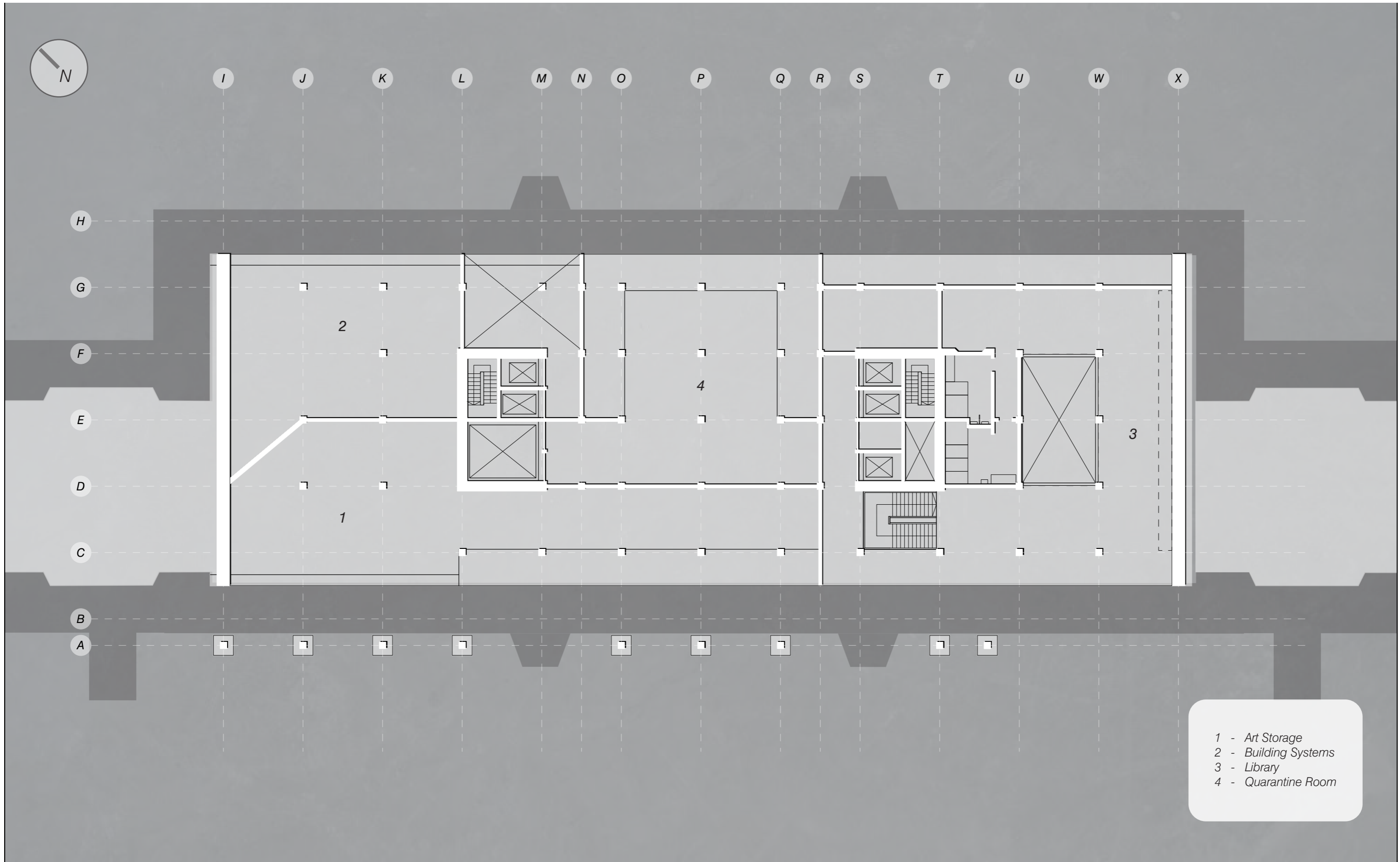


Semi-polished, rock salt finished precast concrete panels with aggregate from the Court of Appeals

The building, materials, and surrounding environment



*Foundation Plan*



- 1 - Art Storage
- 2 - Building Systems
- 3 - Library
- 4 - Quarantine Room

-1 Floor Plan



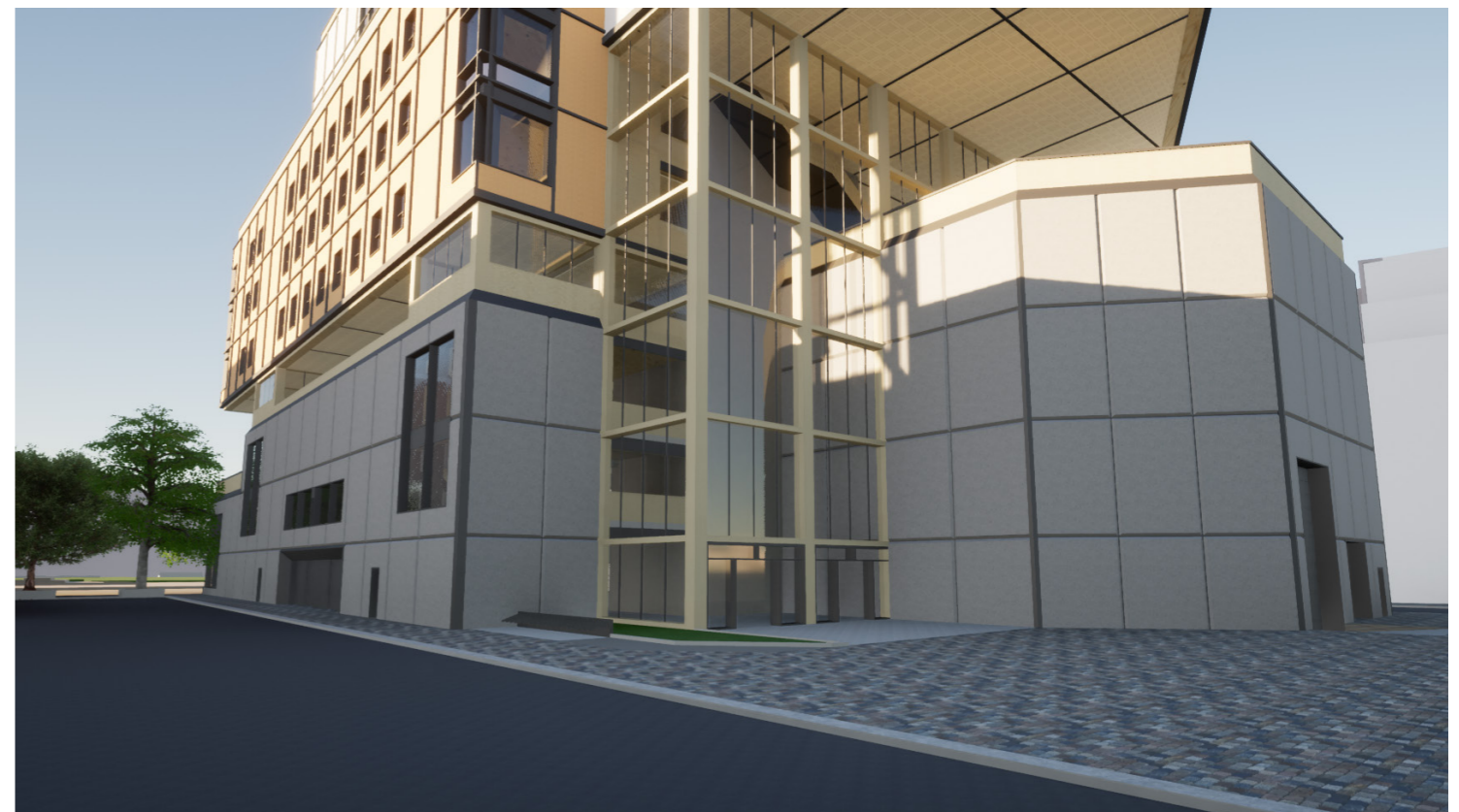
Ground Floor Plan



*Main approach from the park*



*Meeting the street*

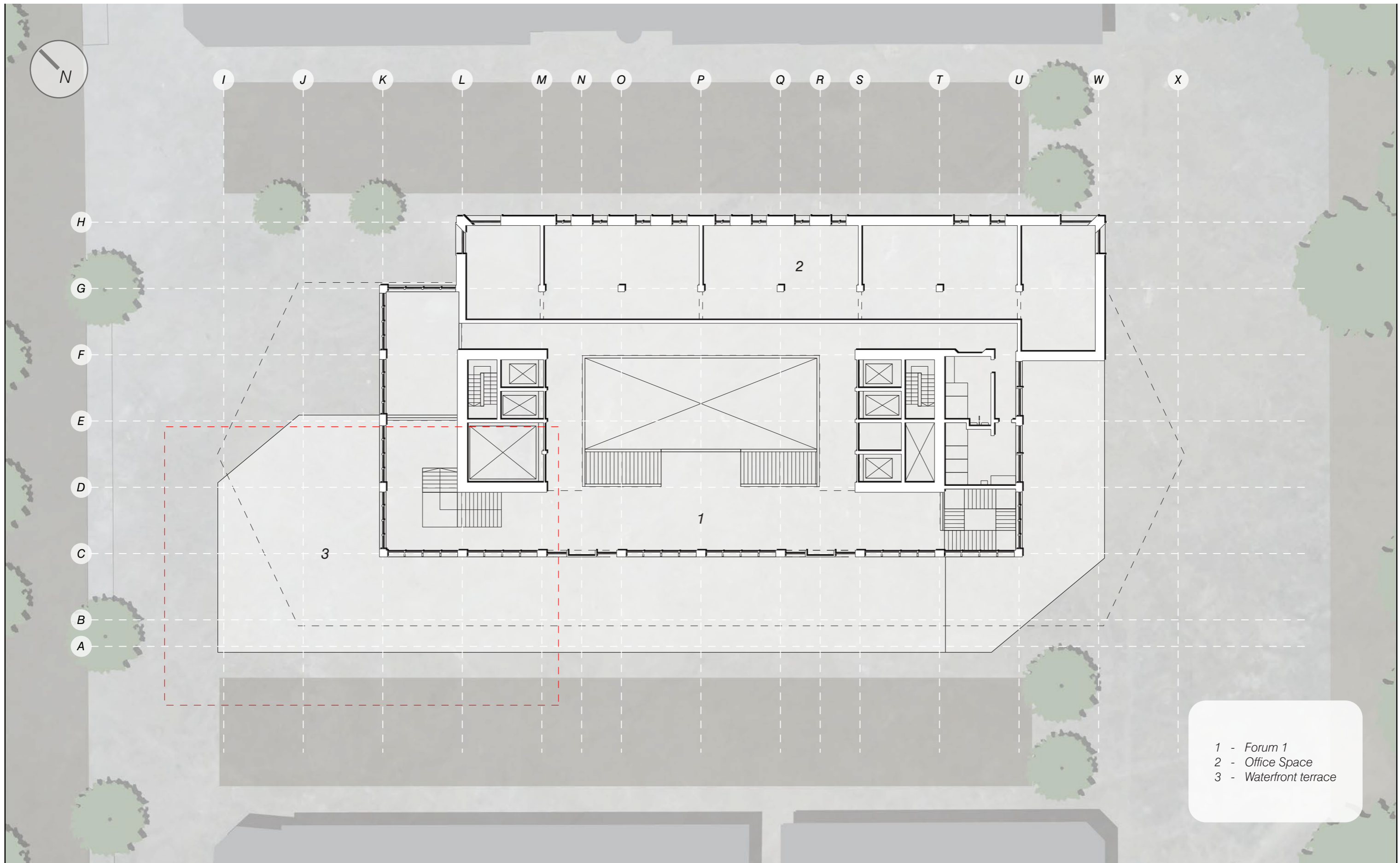


*Waterfront Entries*

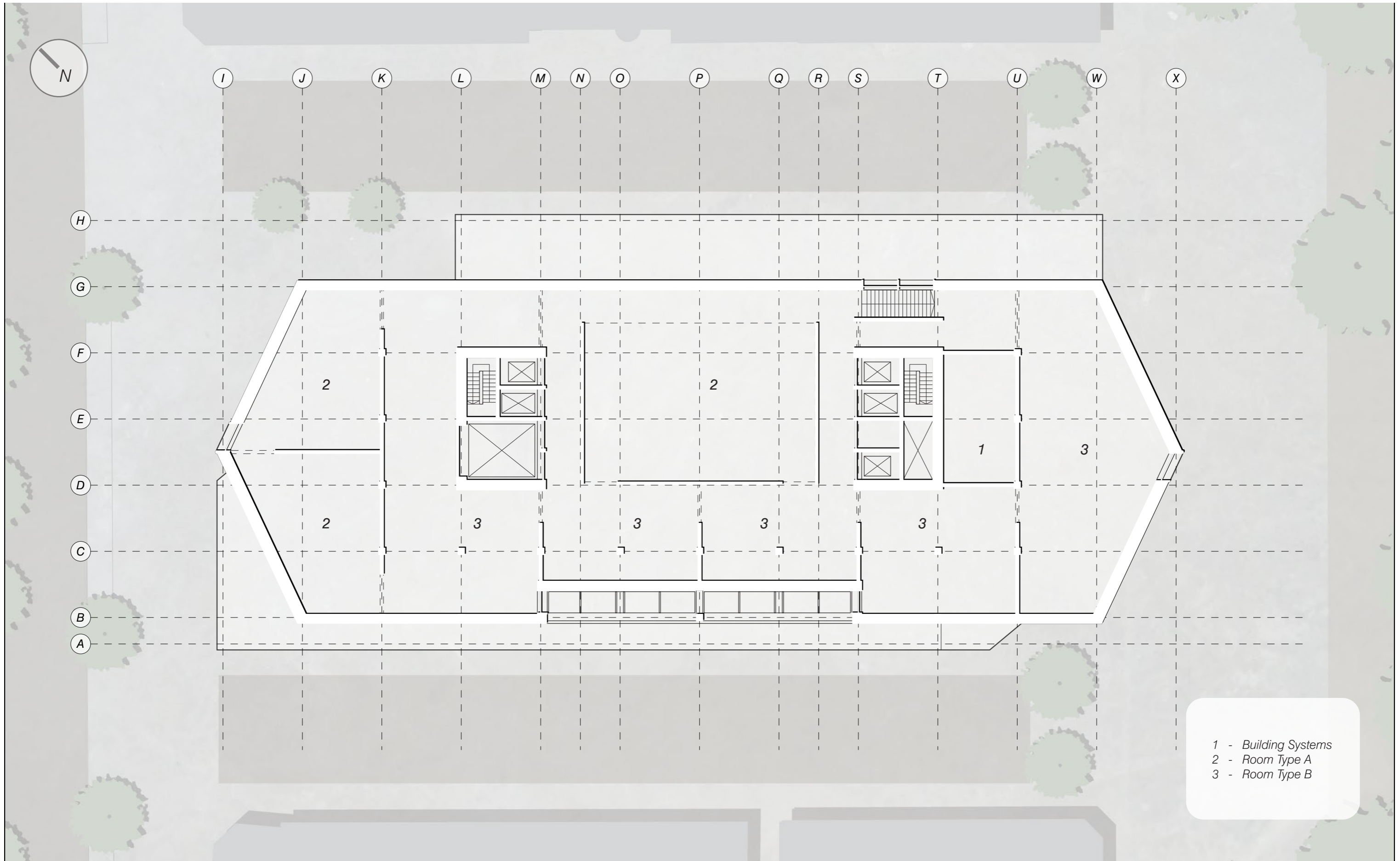


- 1 - Auditorium
- 2 - Cinema
- 3 - Coat & Bag Check
- 4 - Forum 1
- 5 - Parkside Terrace
- 6 - Ticketing

Second Floor Plan



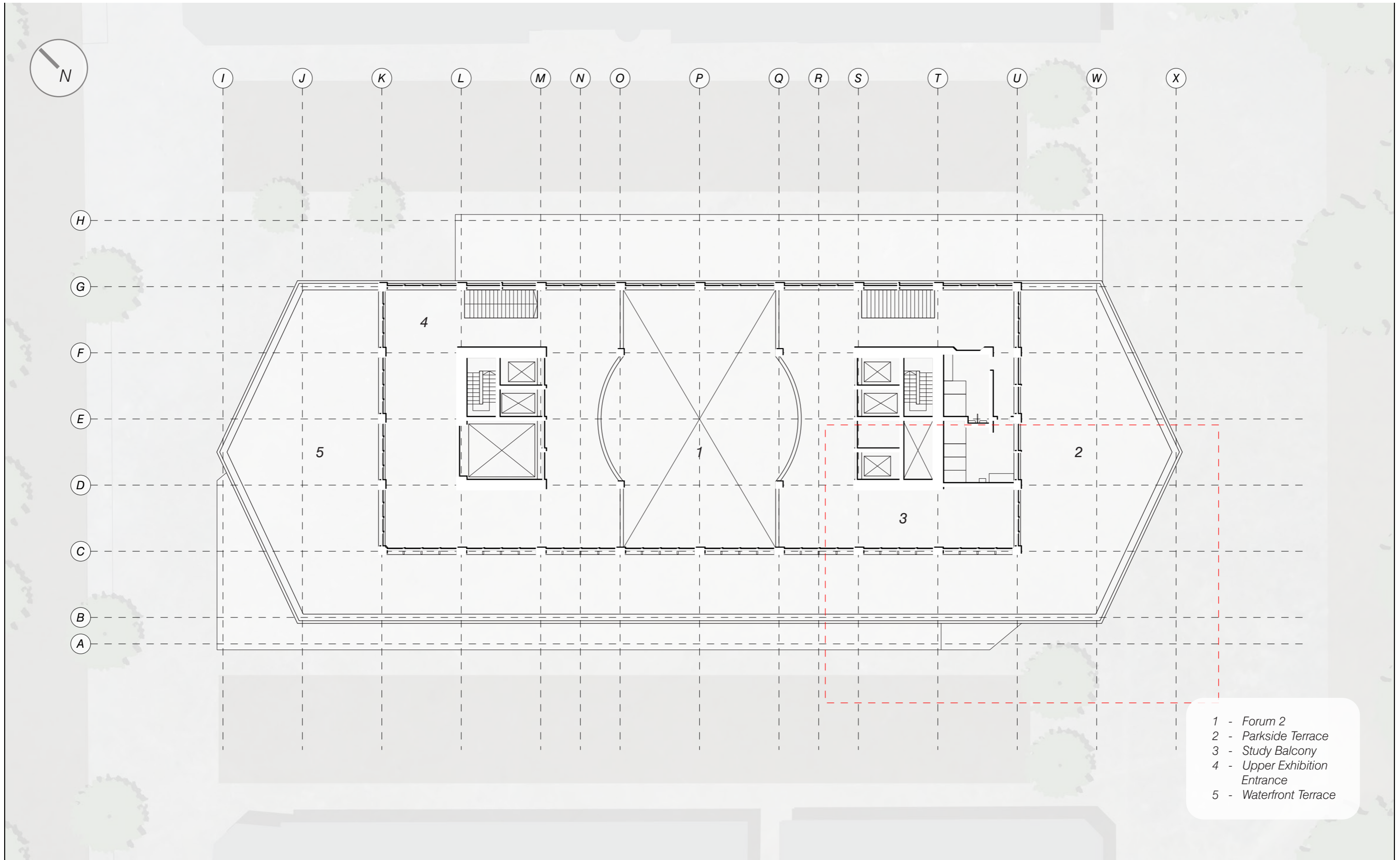
Fourth Floor Plan



- 1 - Building Systems
- 2 - Room Type A
- 3 - Room Type B

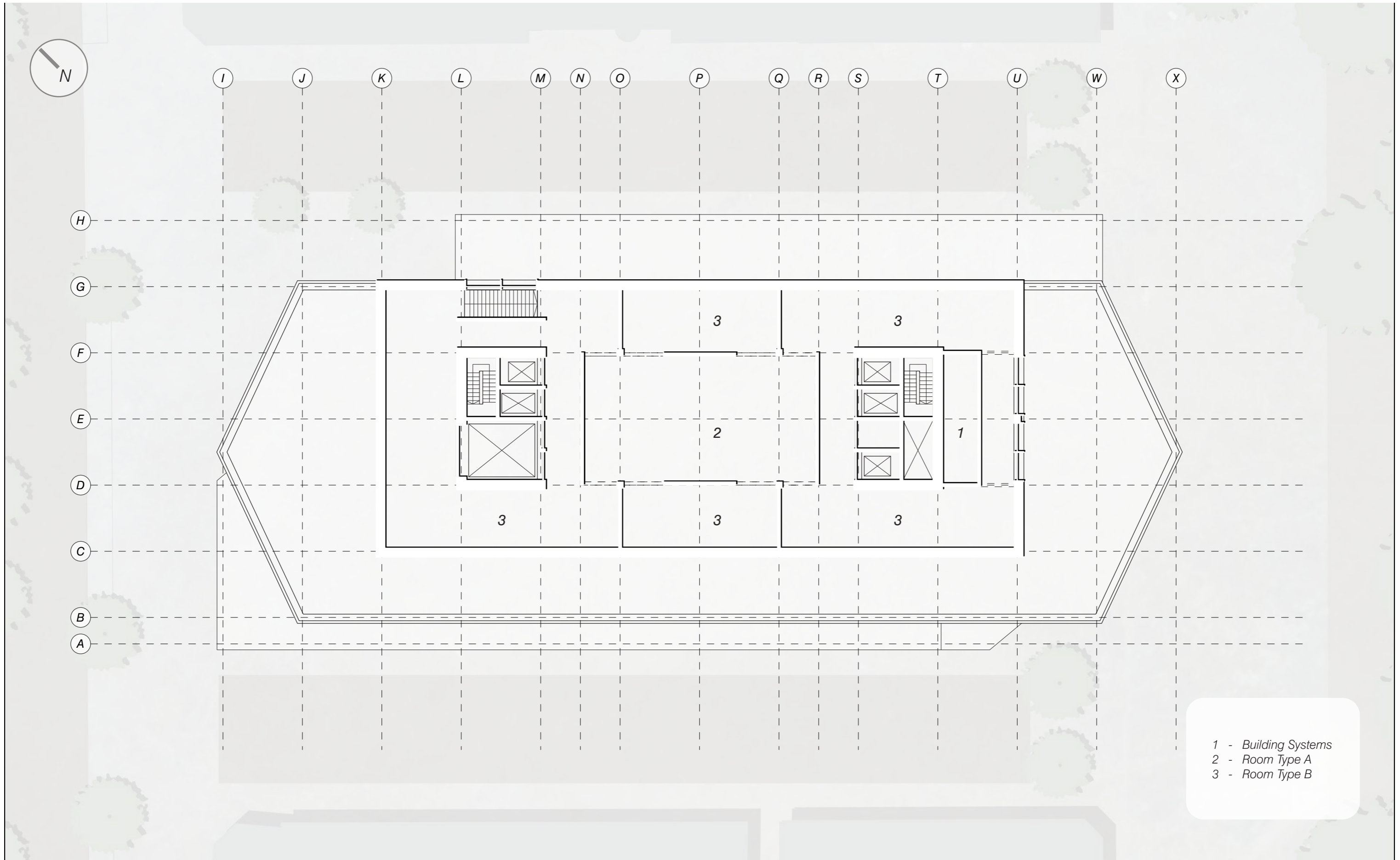
Ninth Floor Plan



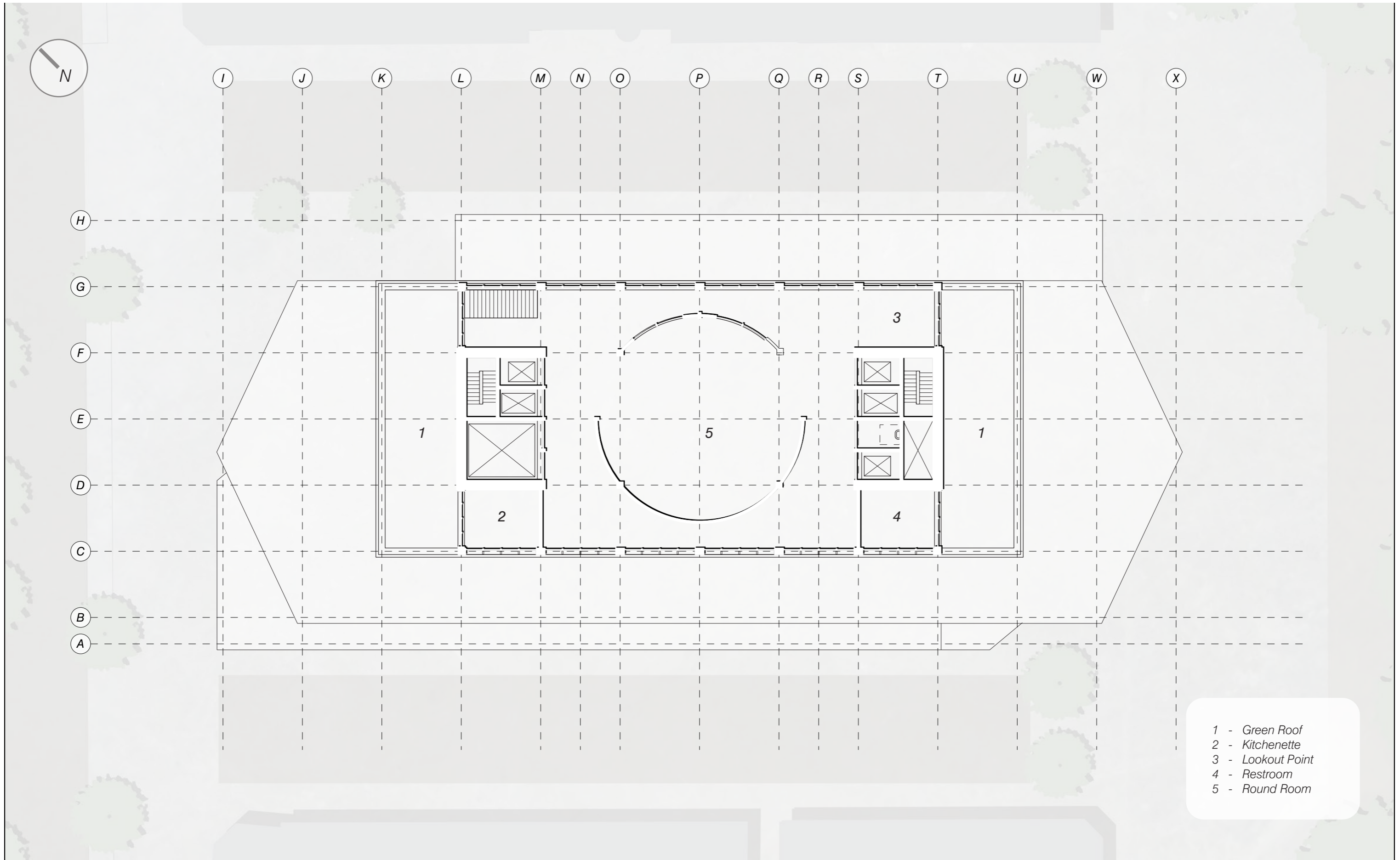


- 1 - Forum 2
- 2 - Parkside Terrace
- 3 - Study Balcony
- 4 - Upper Exhibition Entrance
- 5 - Waterfront Terrace

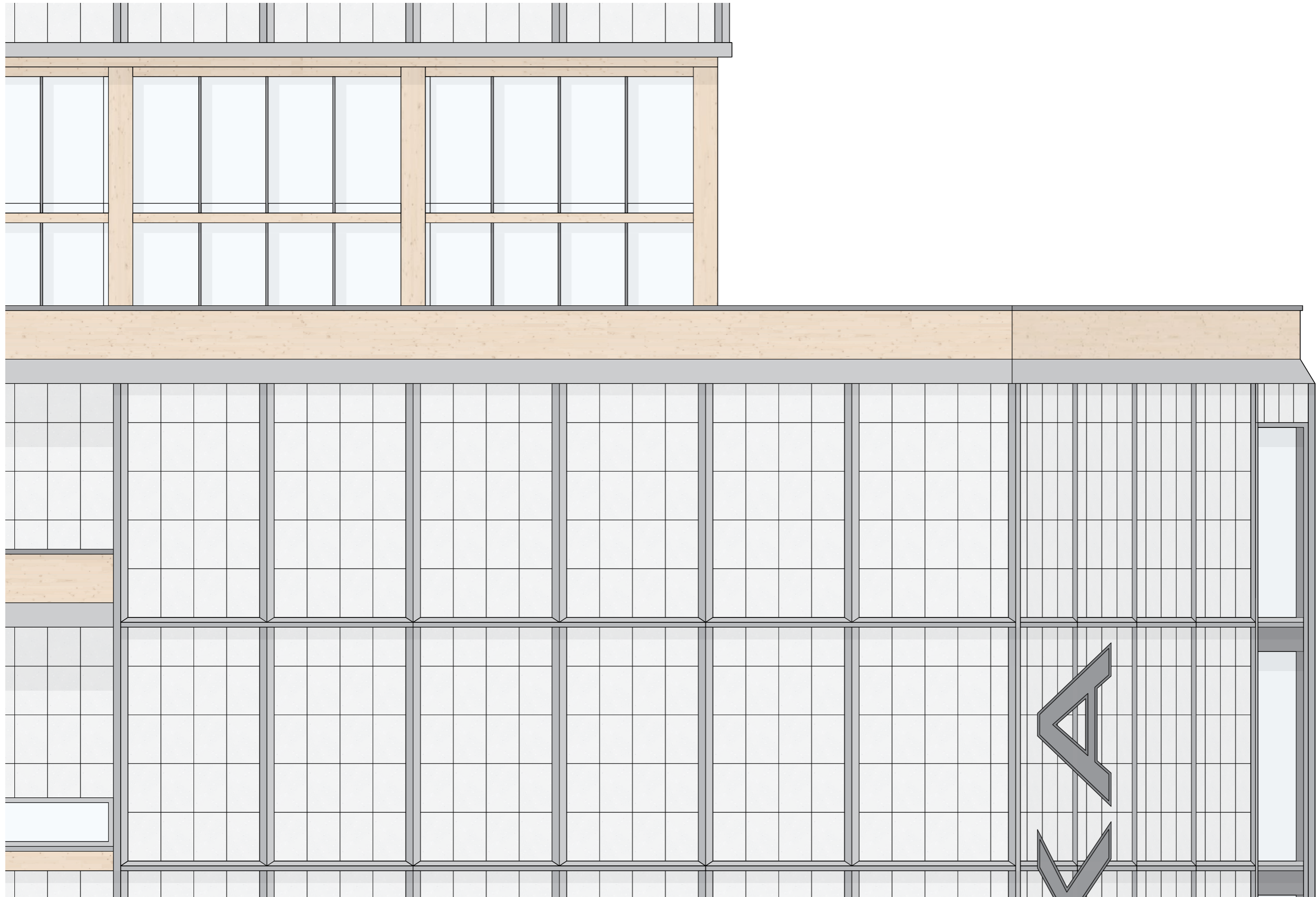
Twelfth Floor Plan



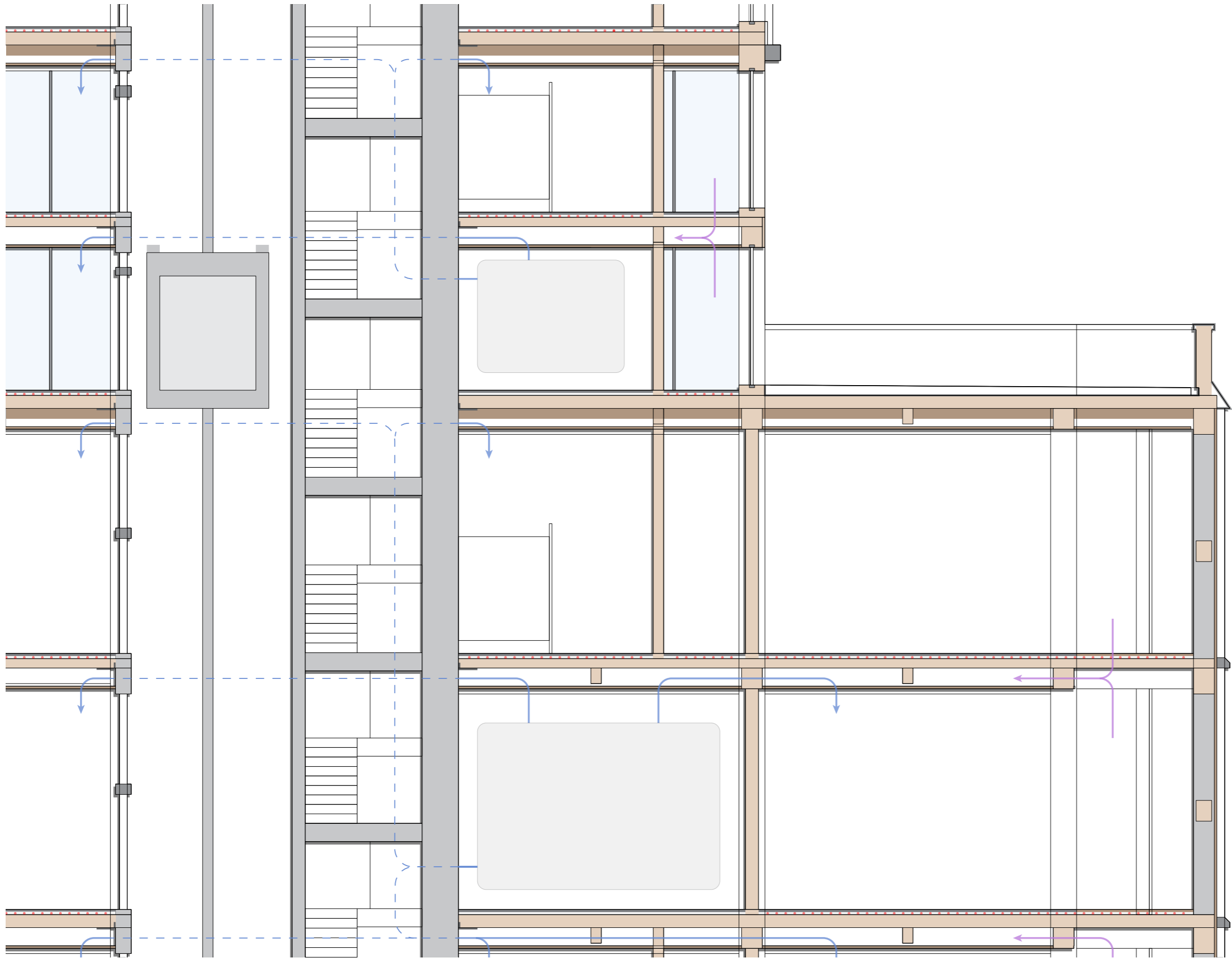
Thirteenth Floor Plan



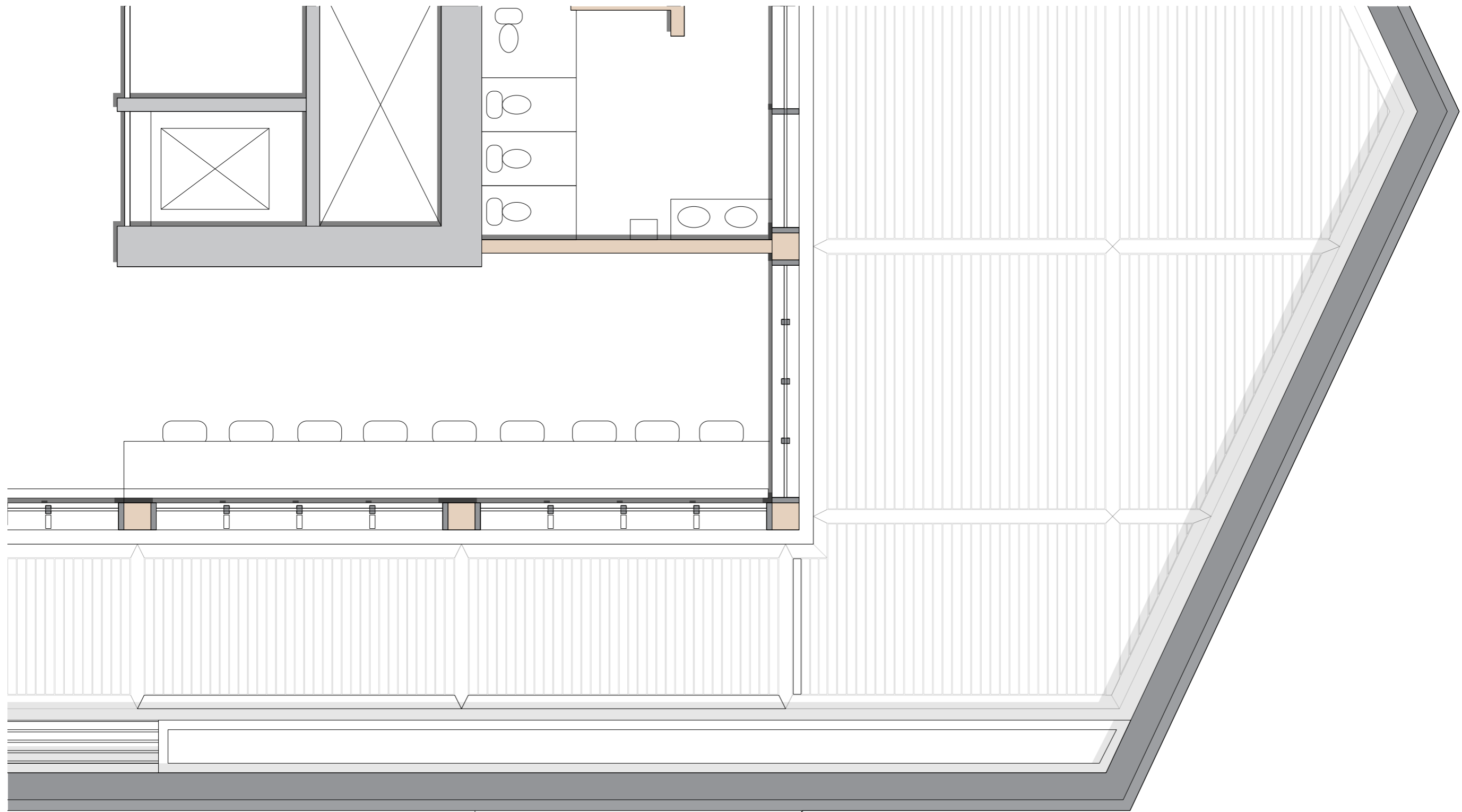
Fifteenth Floor Plan



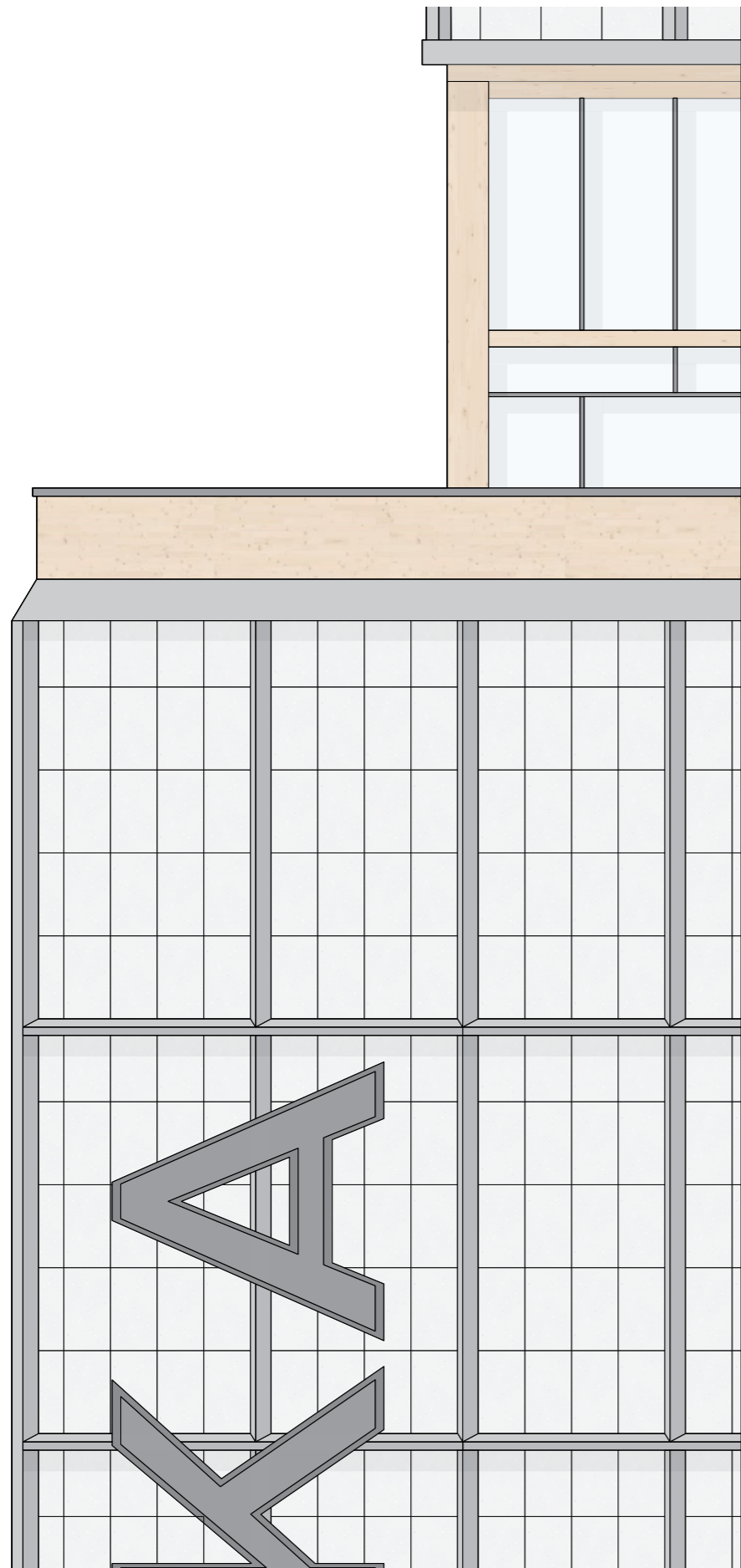
*Lower Exhibition & Forum 2 Facade*



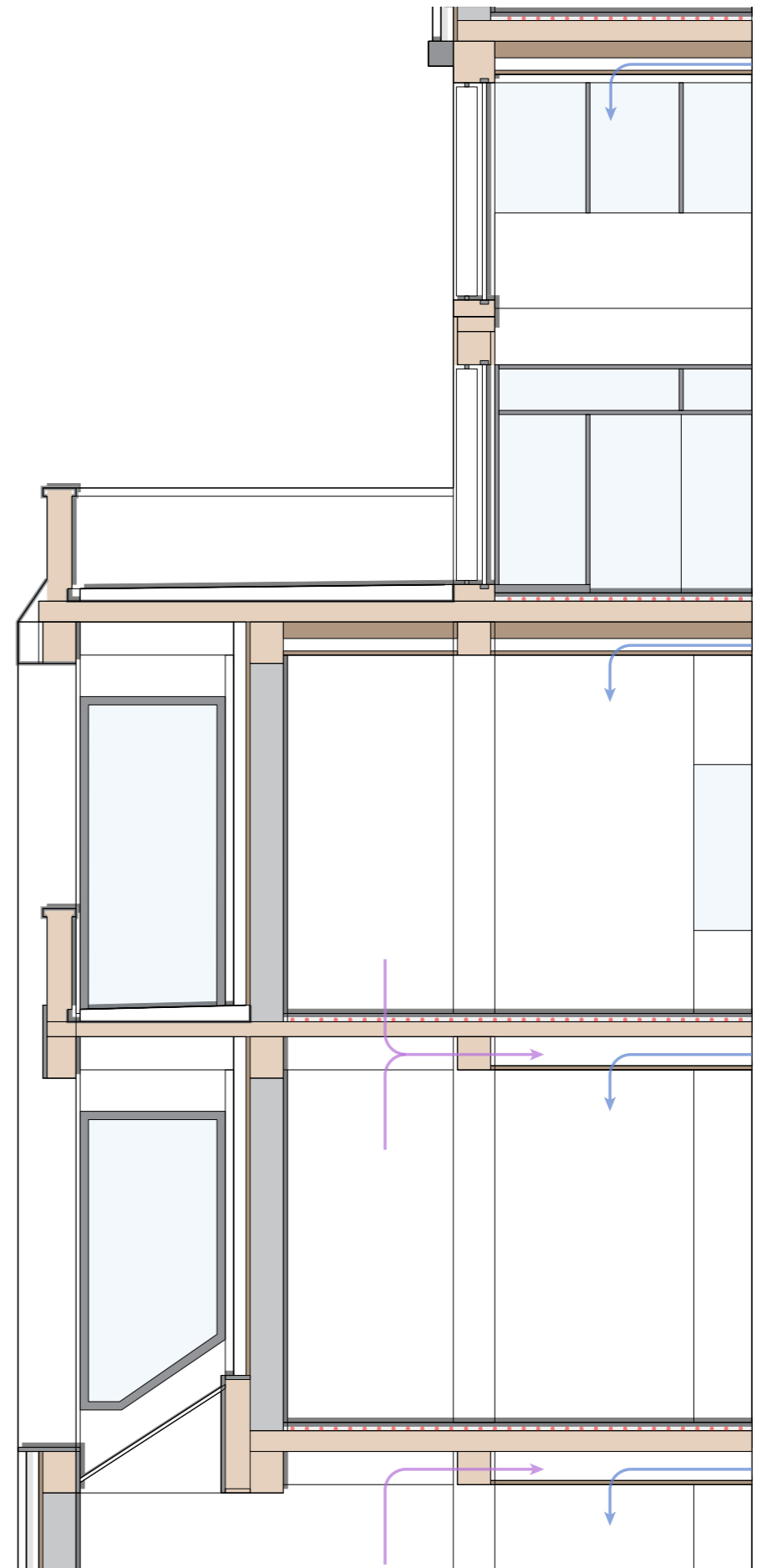
*Lower Exhibition & Forum 2 Climate & Material Section*



*Forum 2 Terrace Plan*



*Lower Exhibition & Forum 2 Facade*



*Lower Exhibition Balcony & Forum 2 Section*

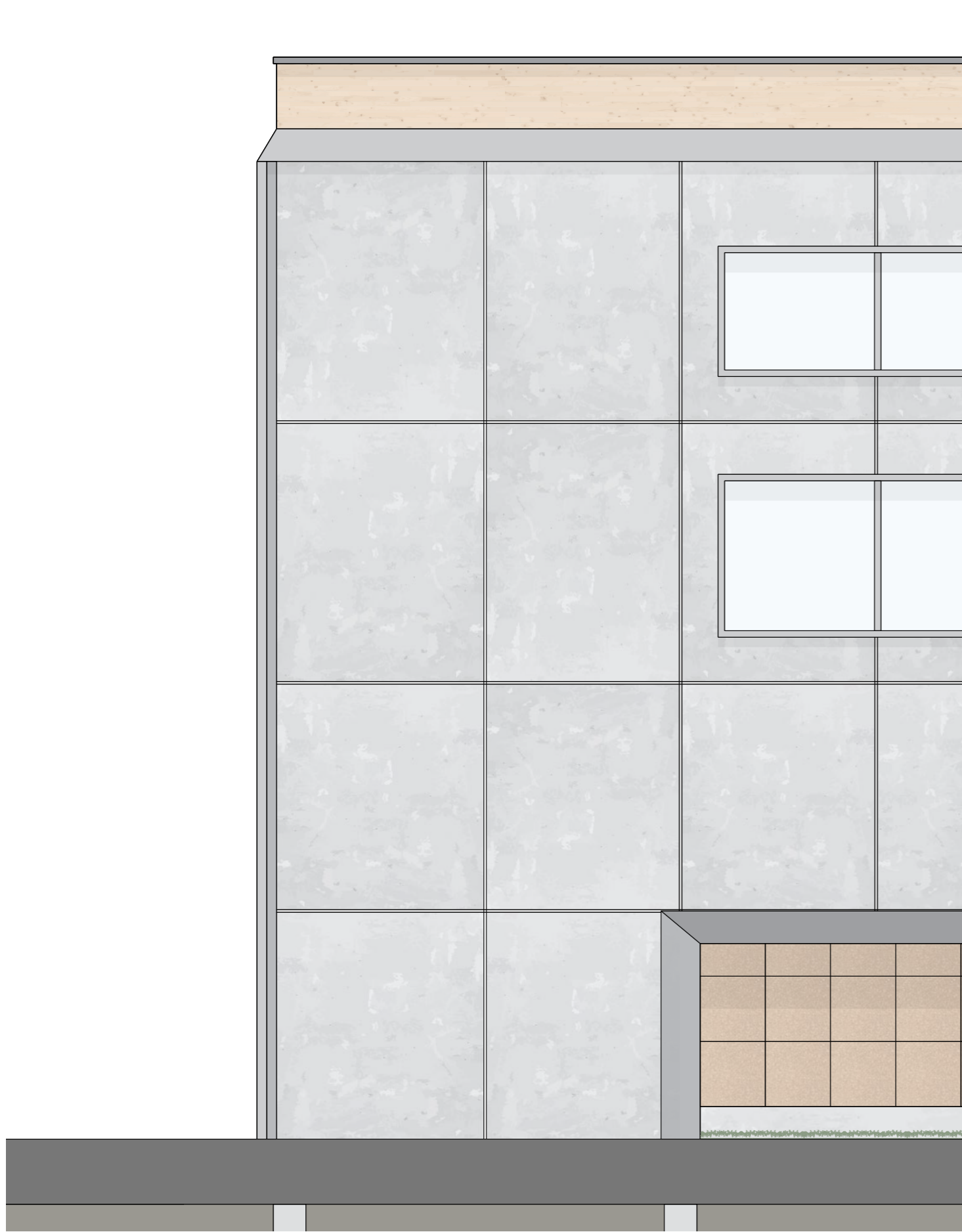


*Art Depot & Waterfront Facade*

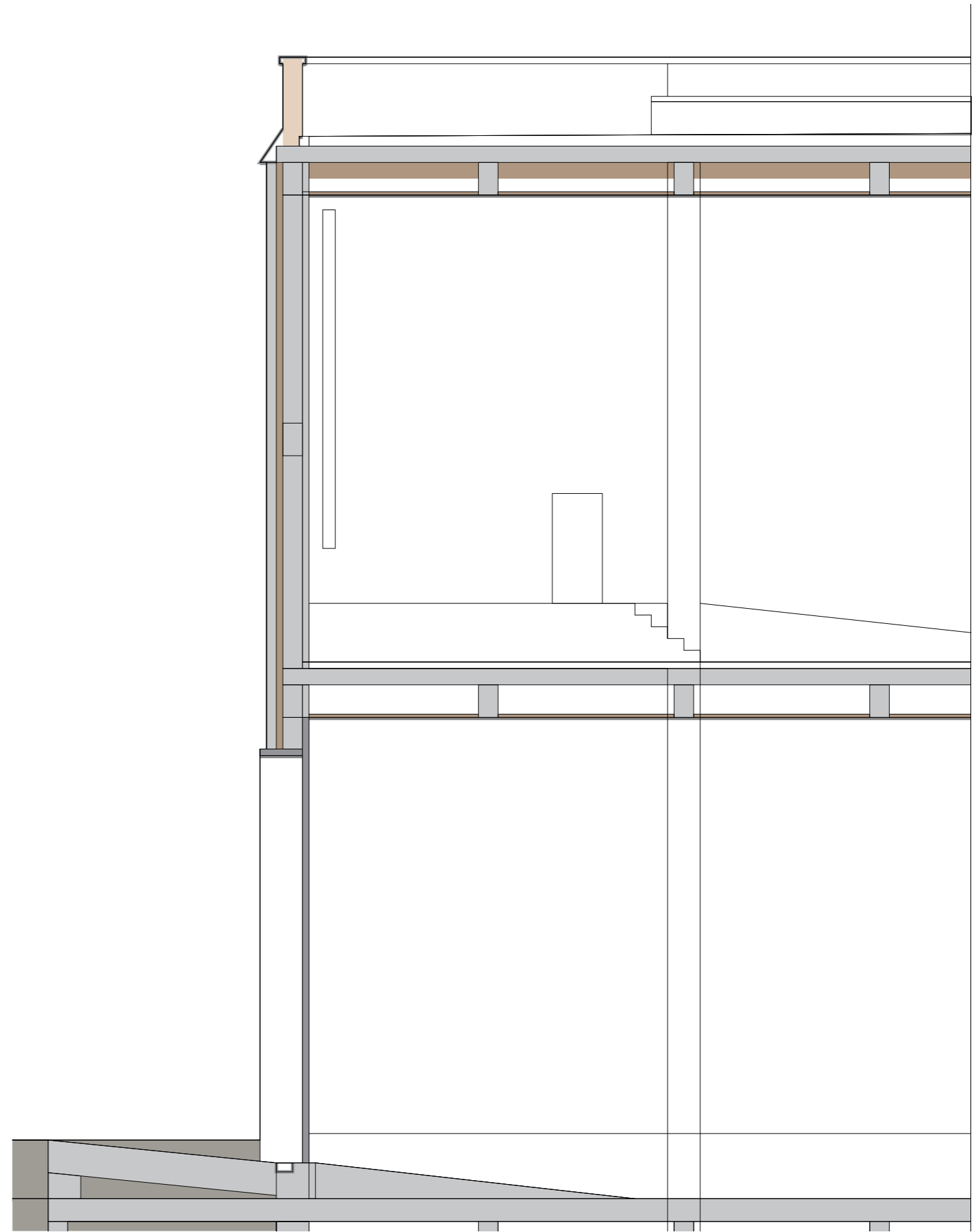




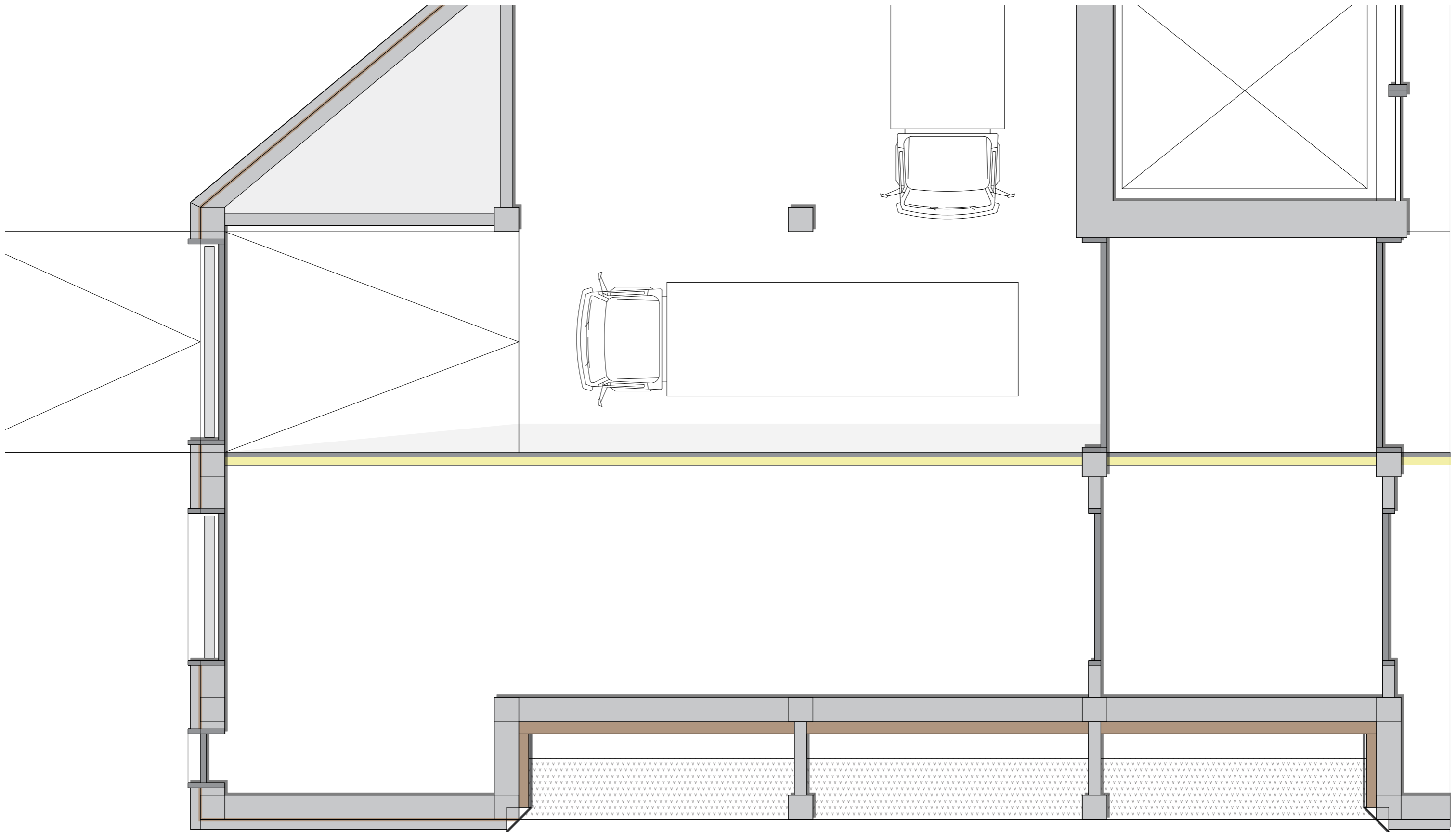
*Art Depot, Auditorium, & Core Section*



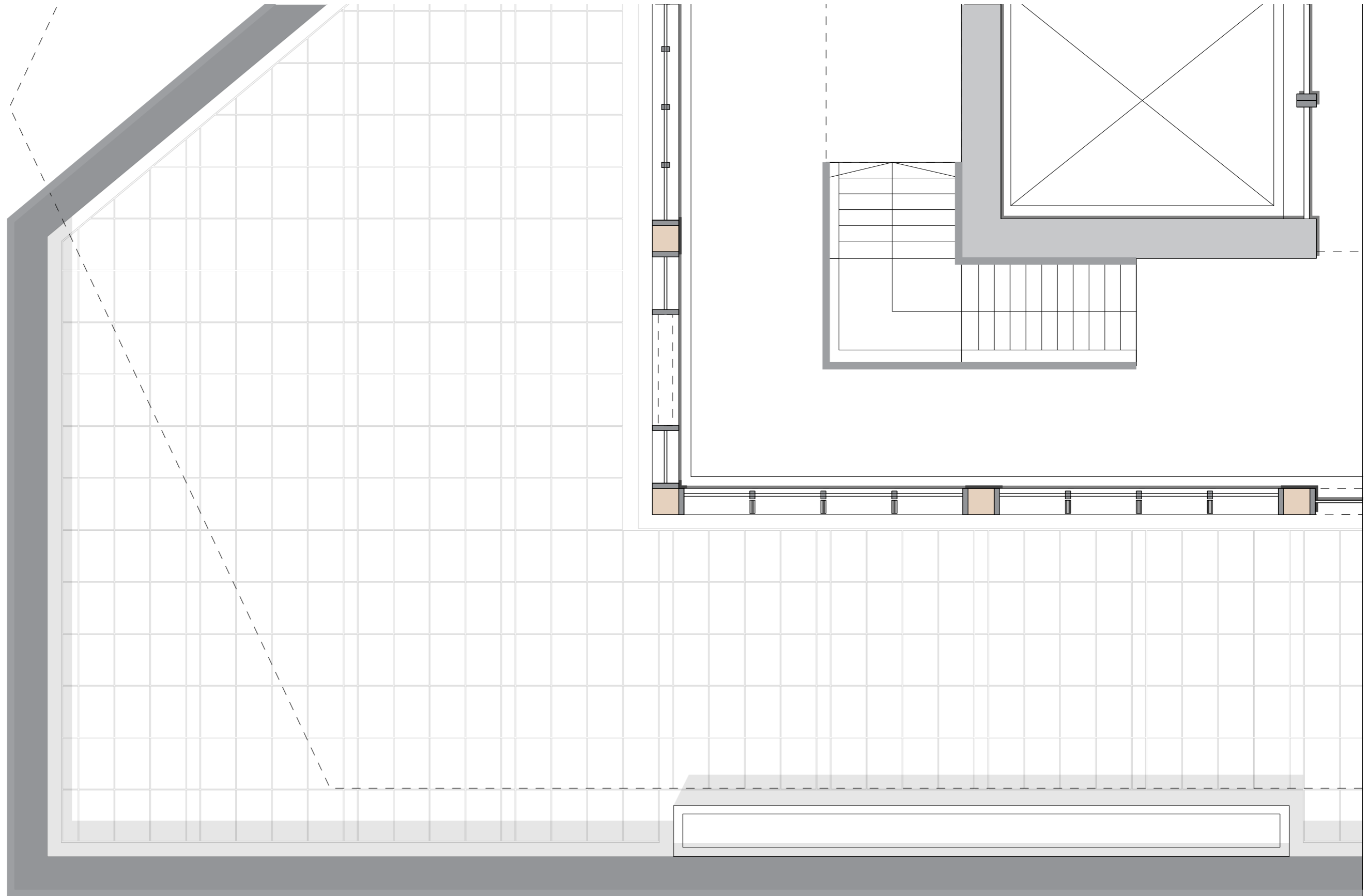
*Art Depot & Auditorium Facade*



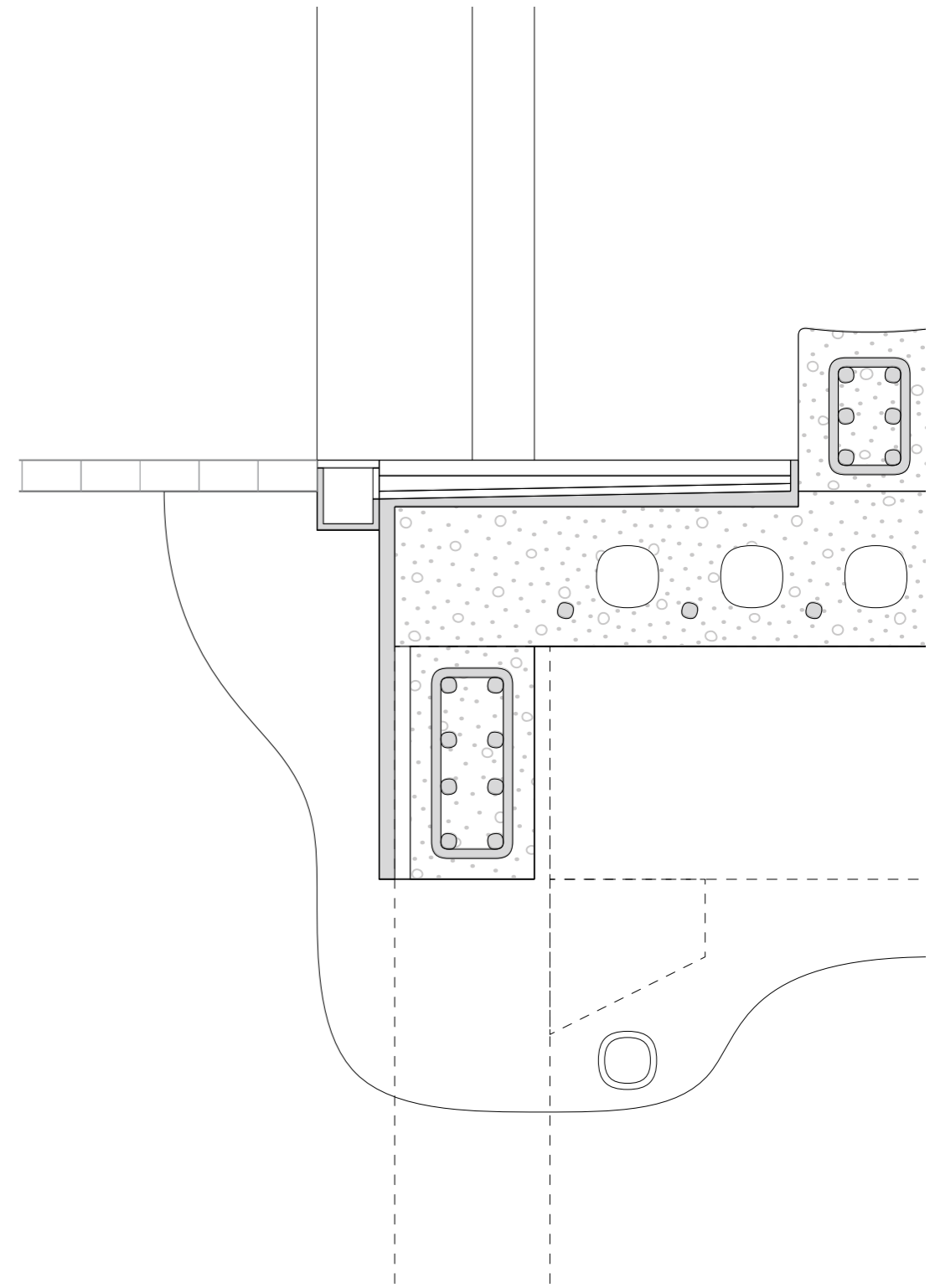
*Art Depot & Auditorium Section*



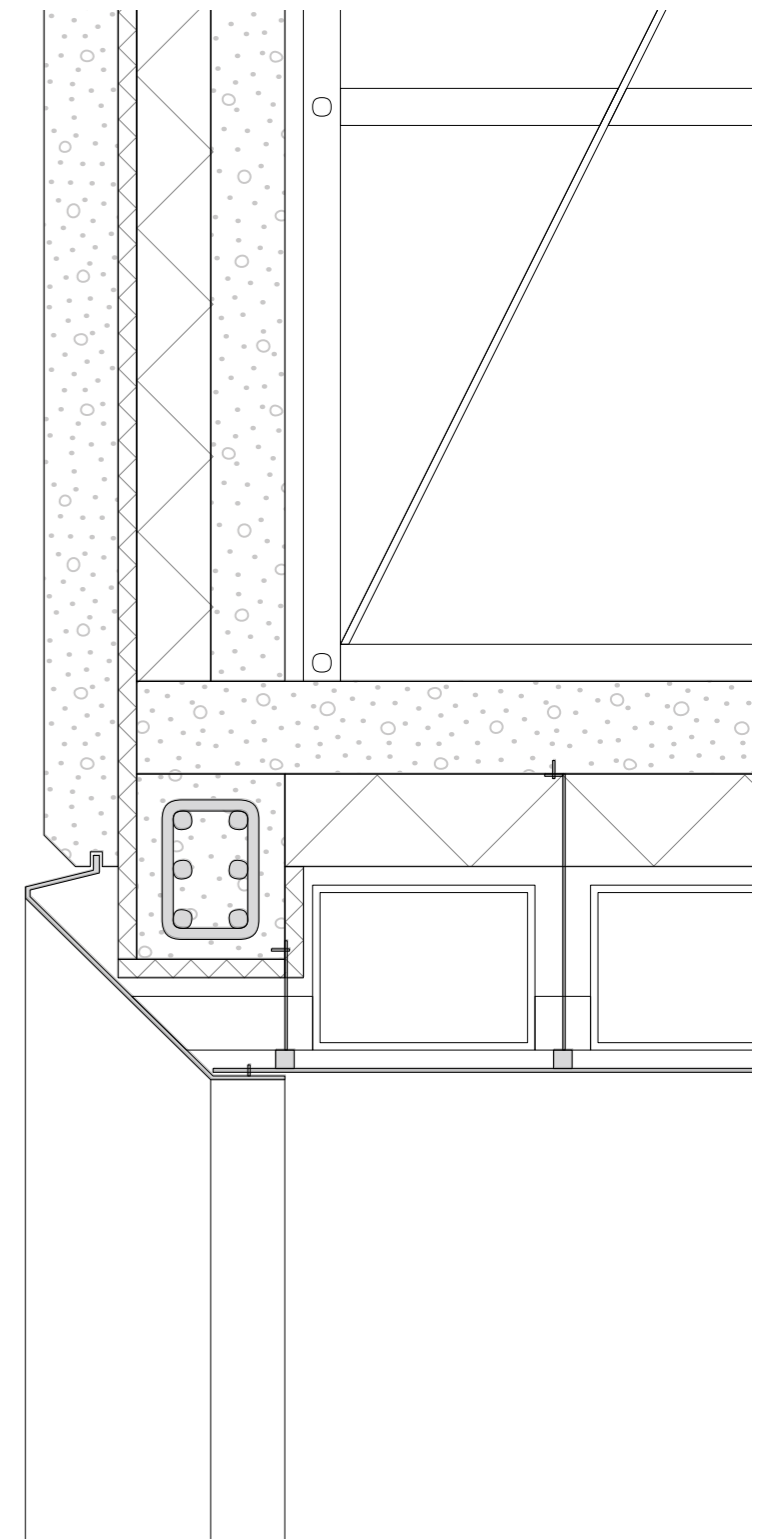
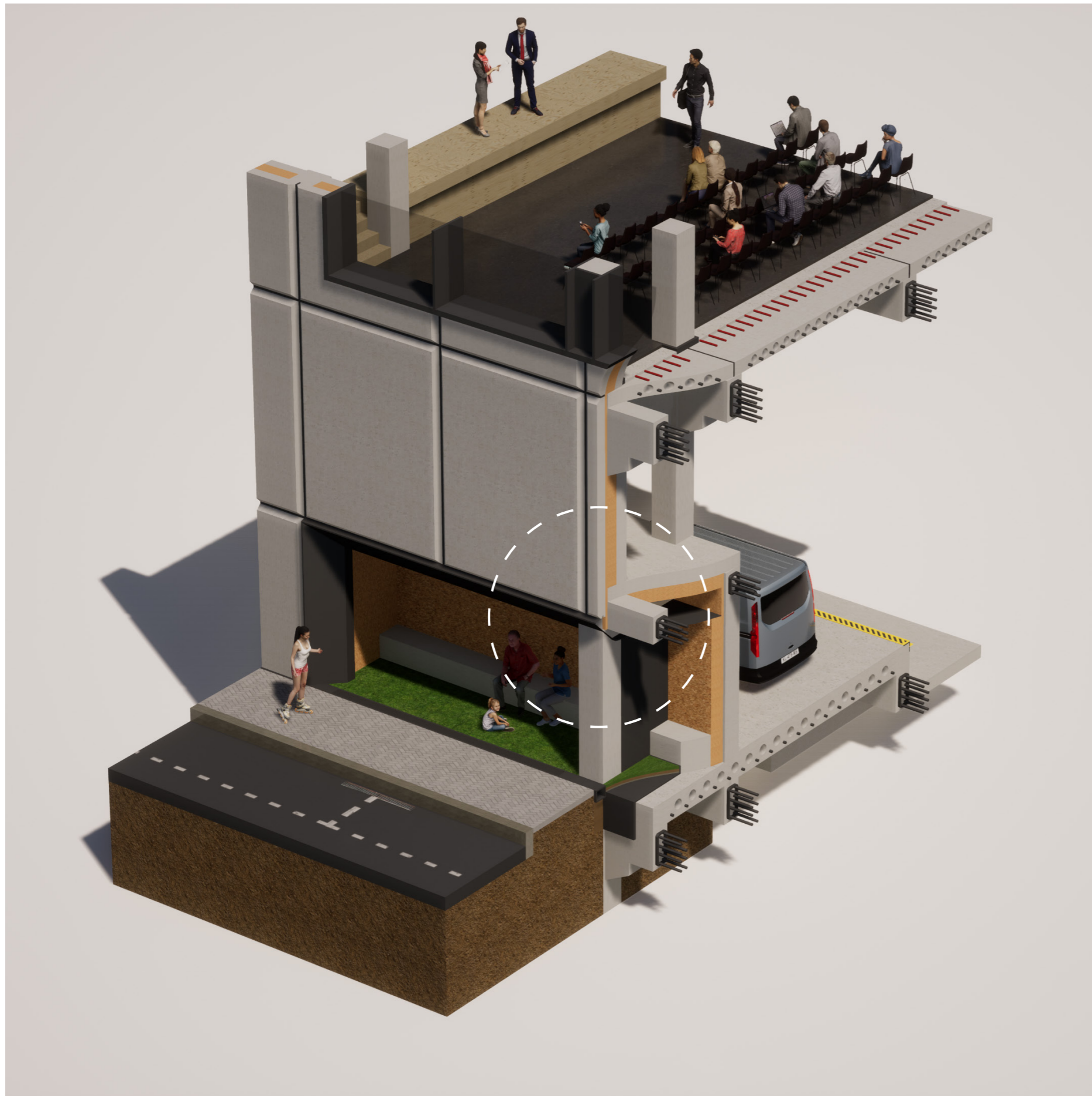
*Art Depot & the Public Street*



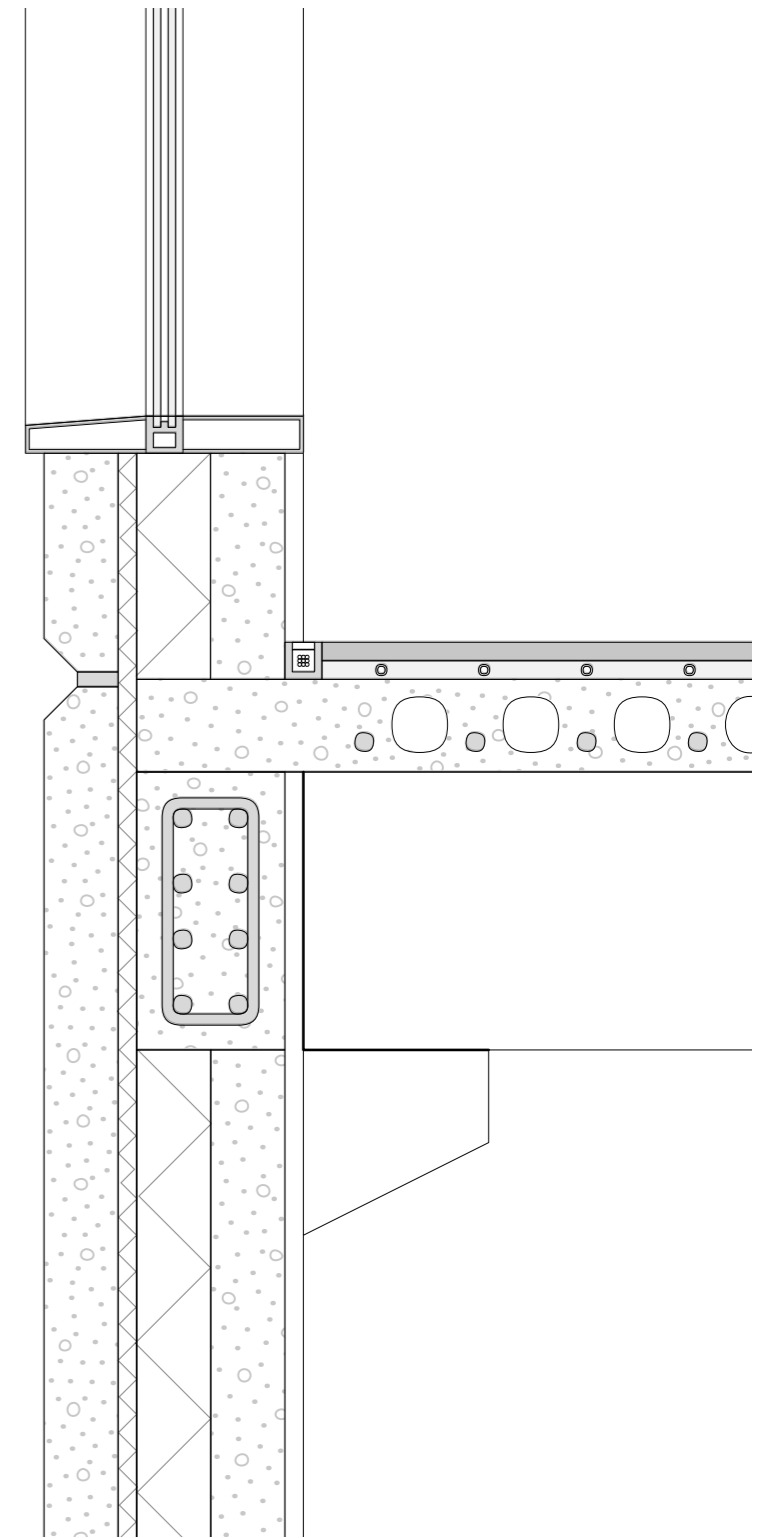
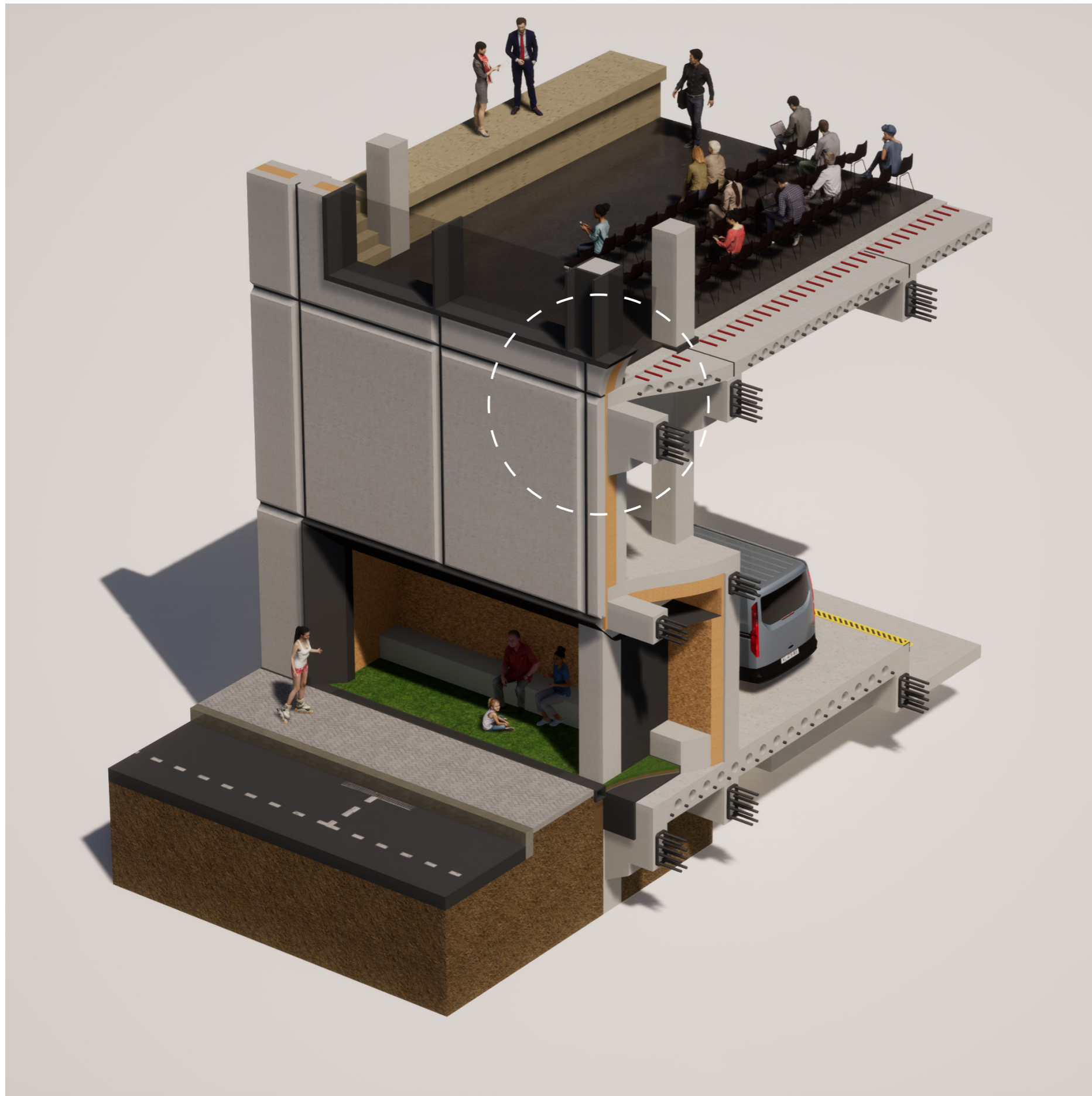
*Forum 1 Terrace Plan*



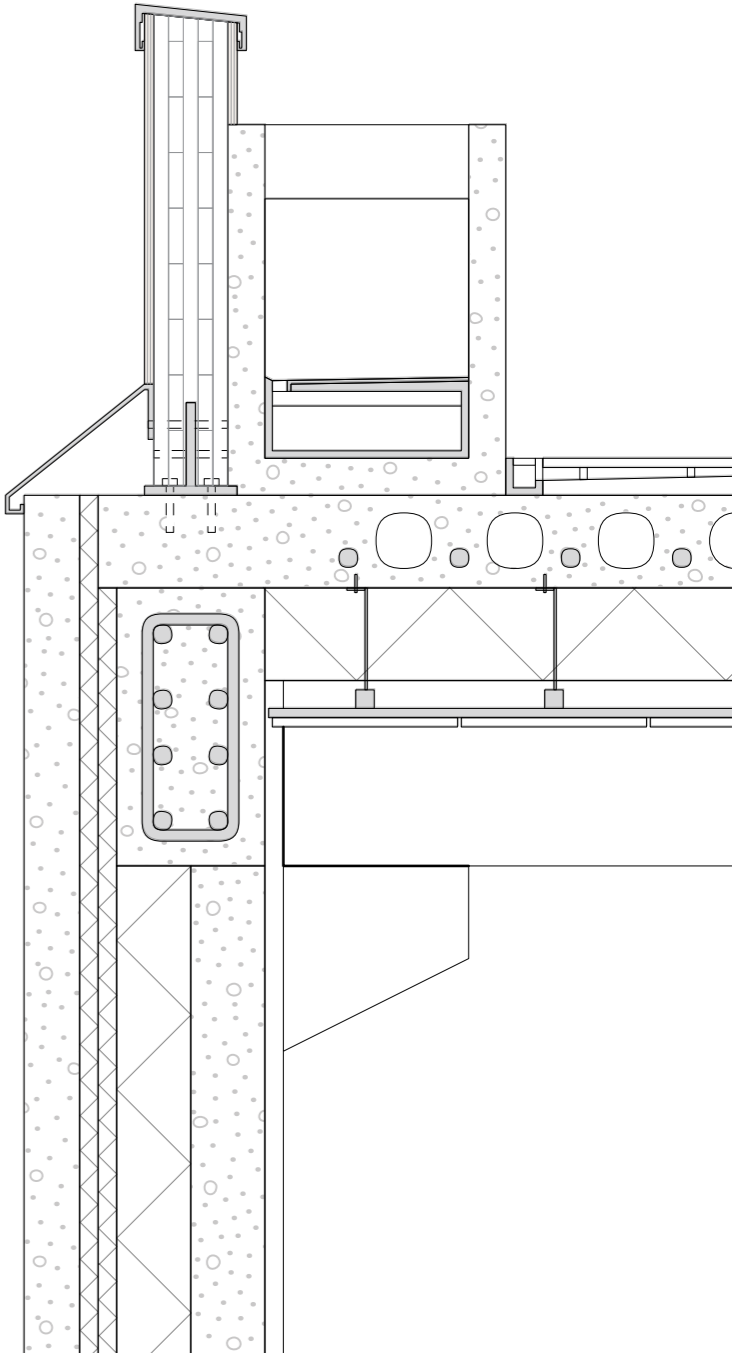
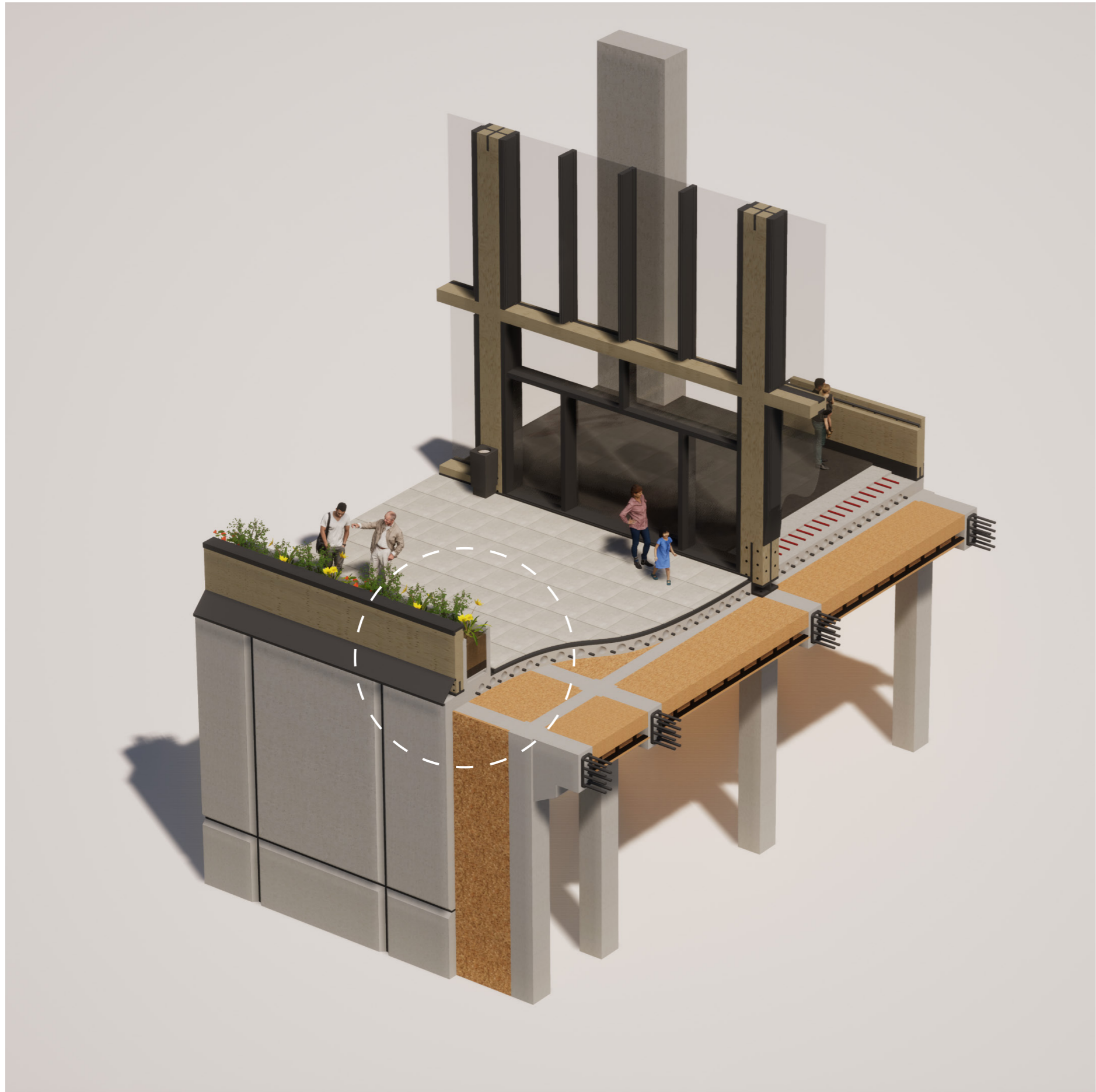
*Meeting the street - Foundation Detail*



*Meeting the street - Suspended Soffit*

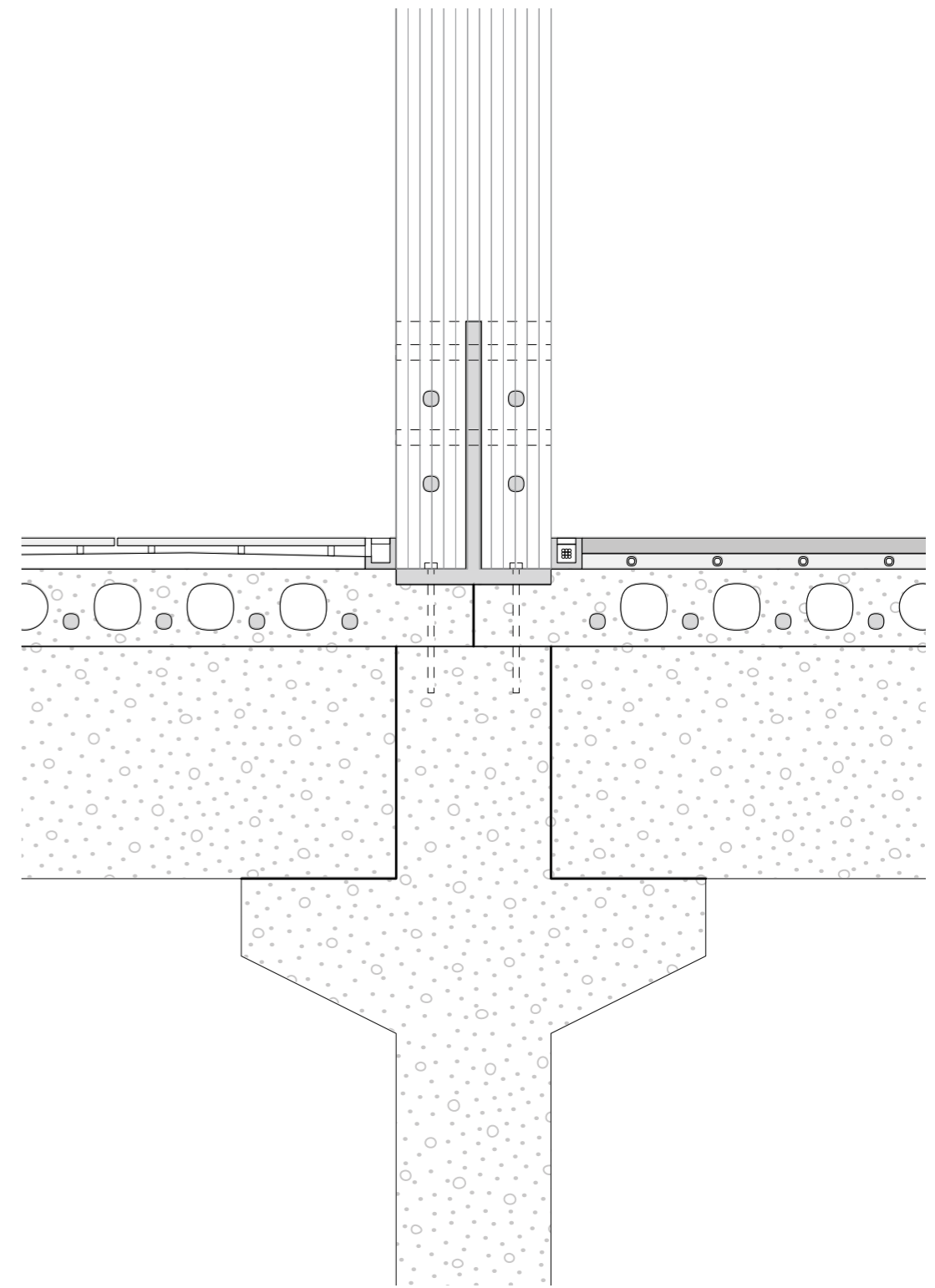
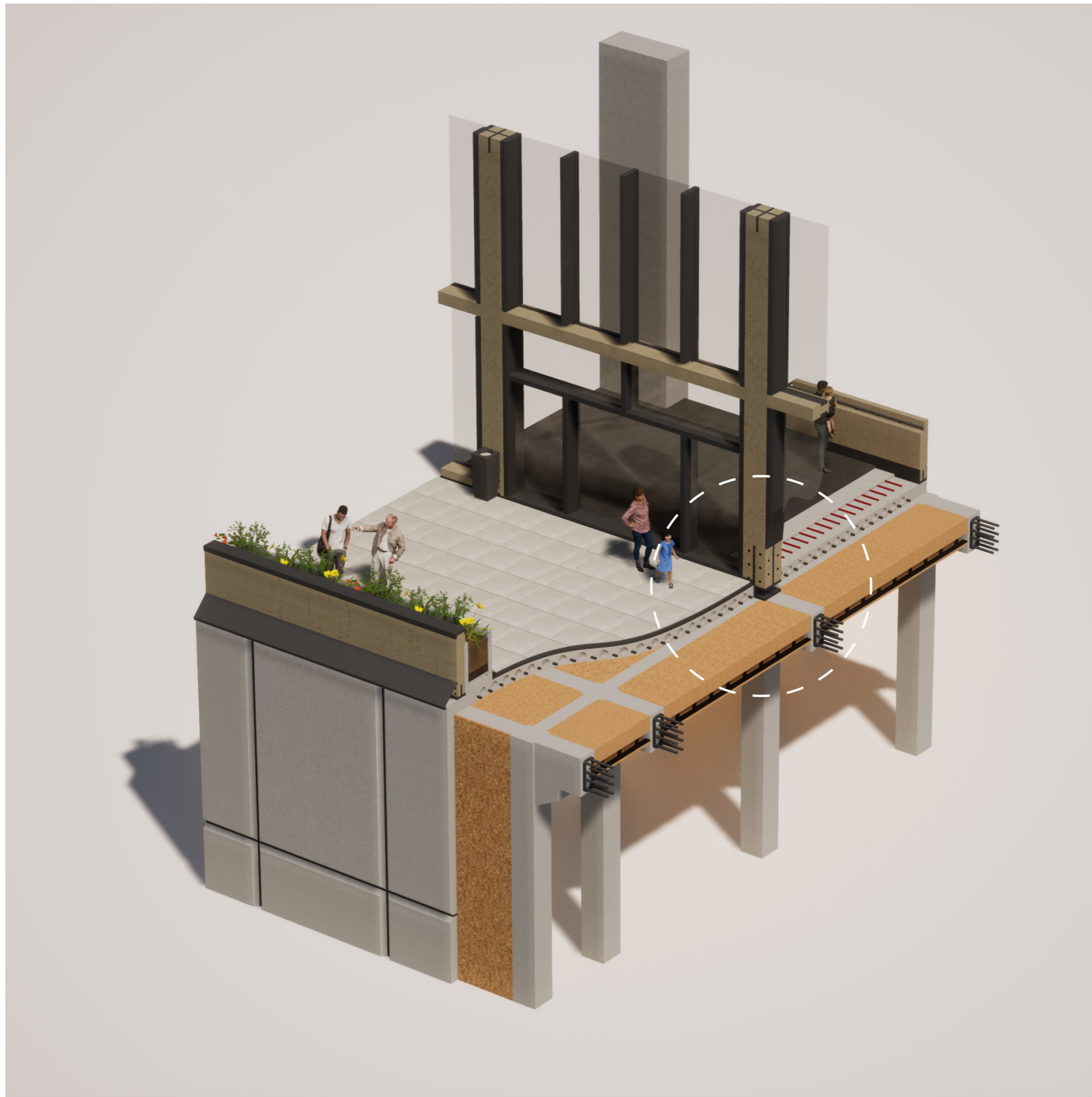


*Meeting the street - Window Section*

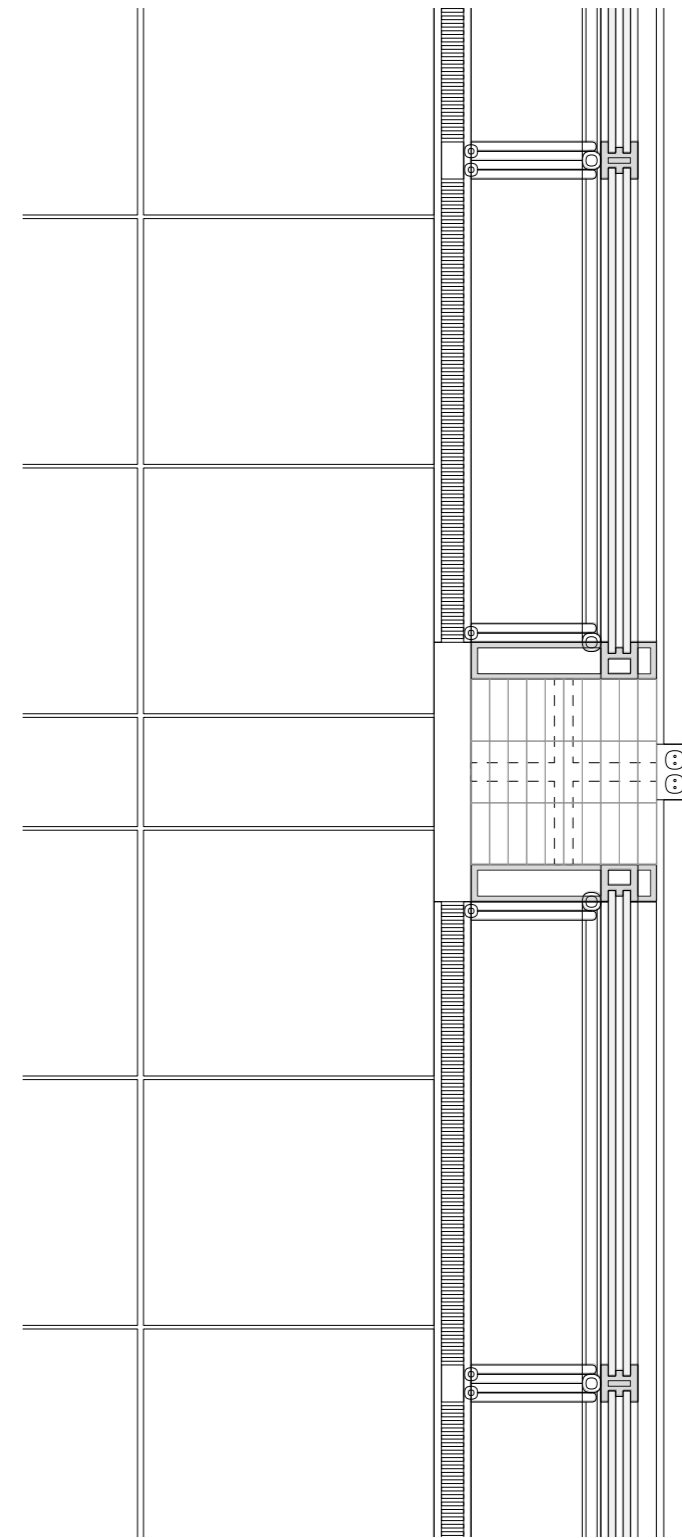


Forum 1 Terrace - Concrete

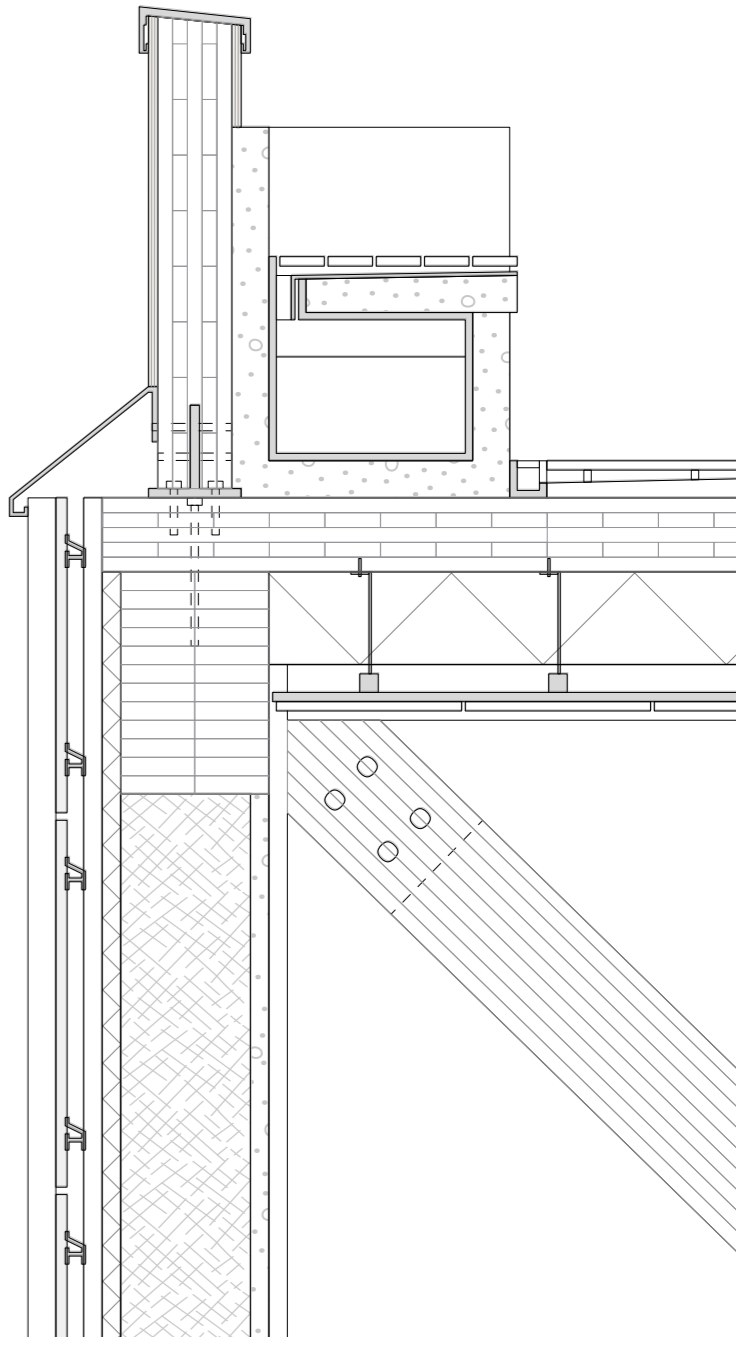
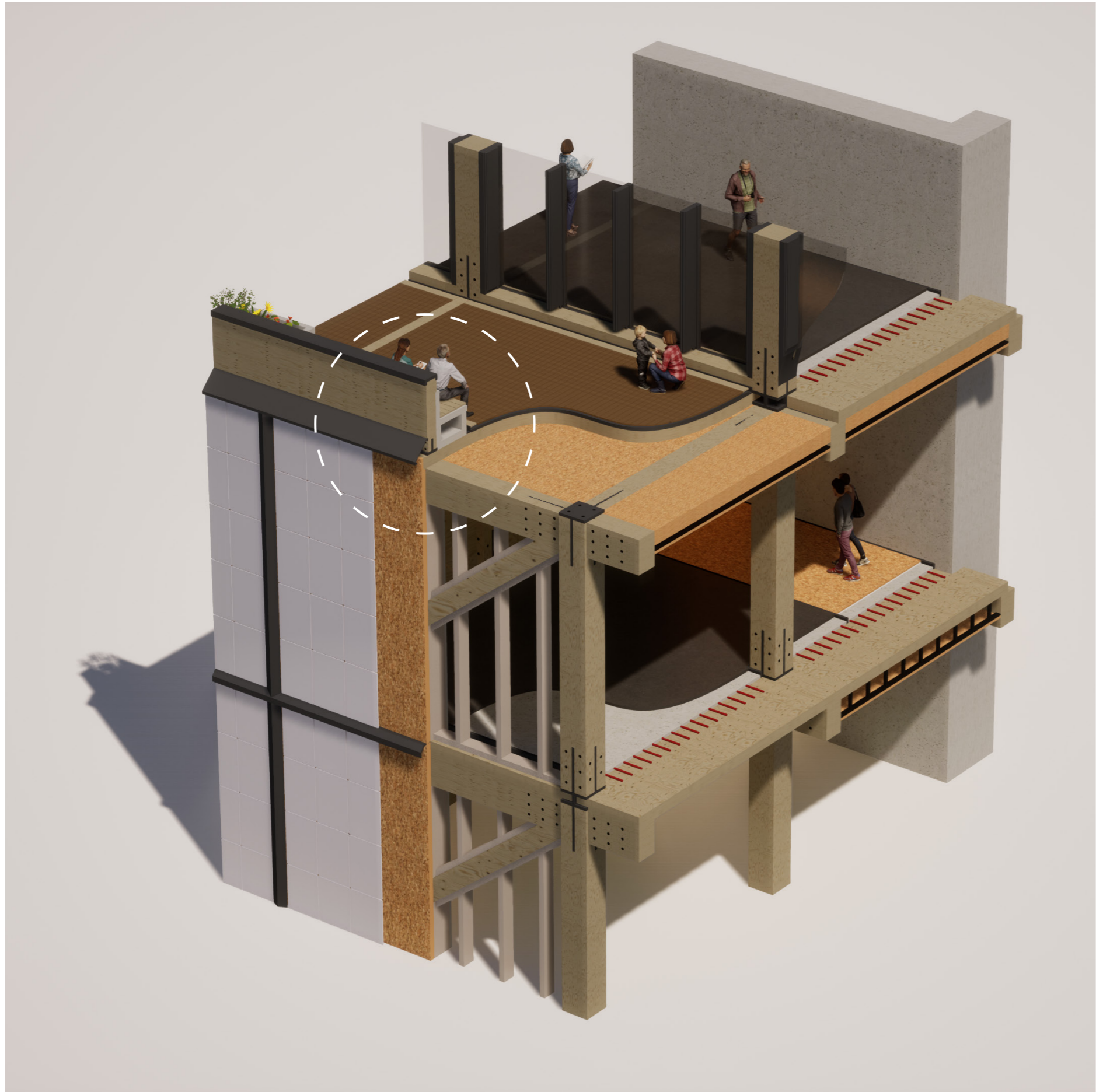




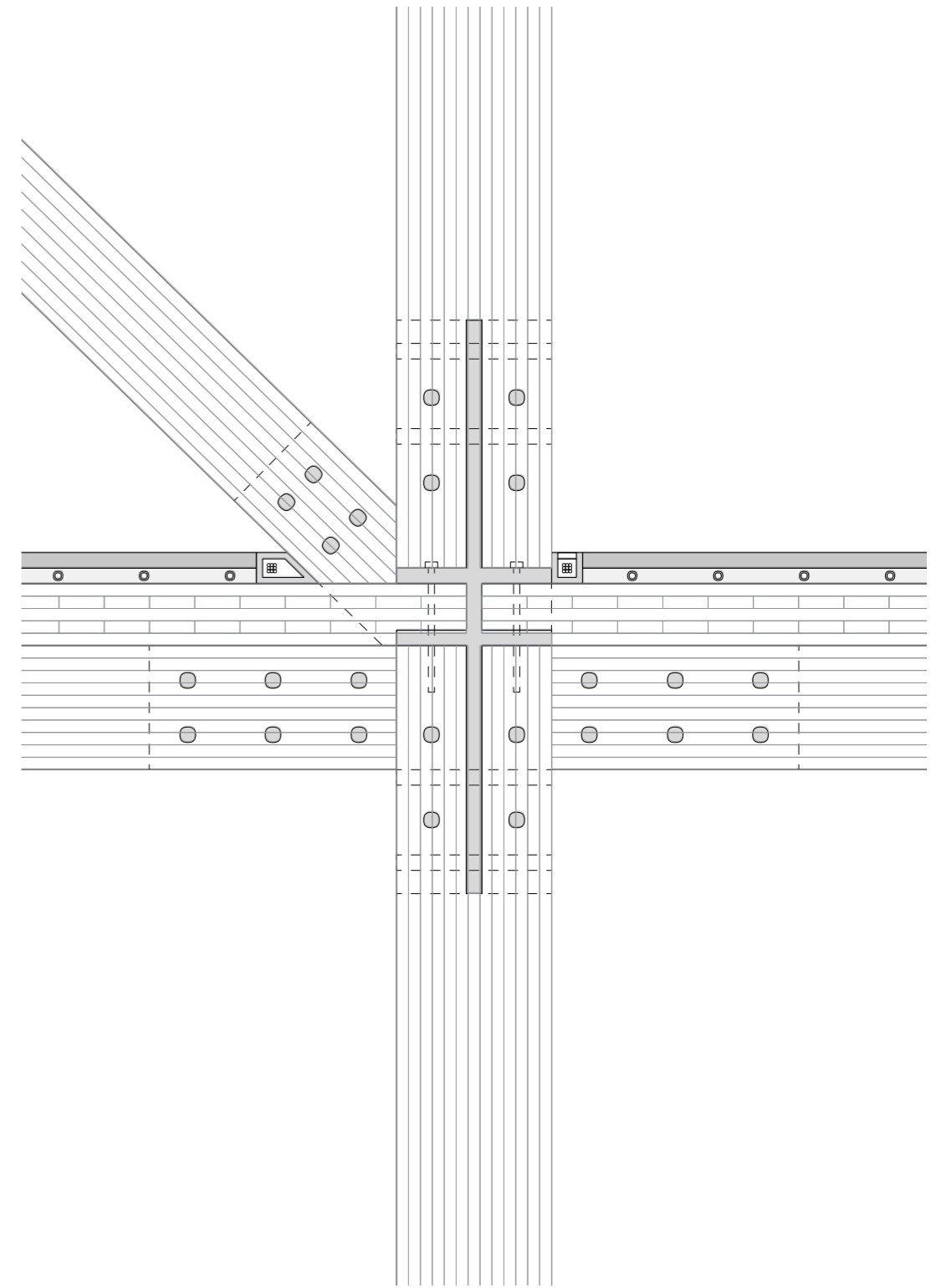
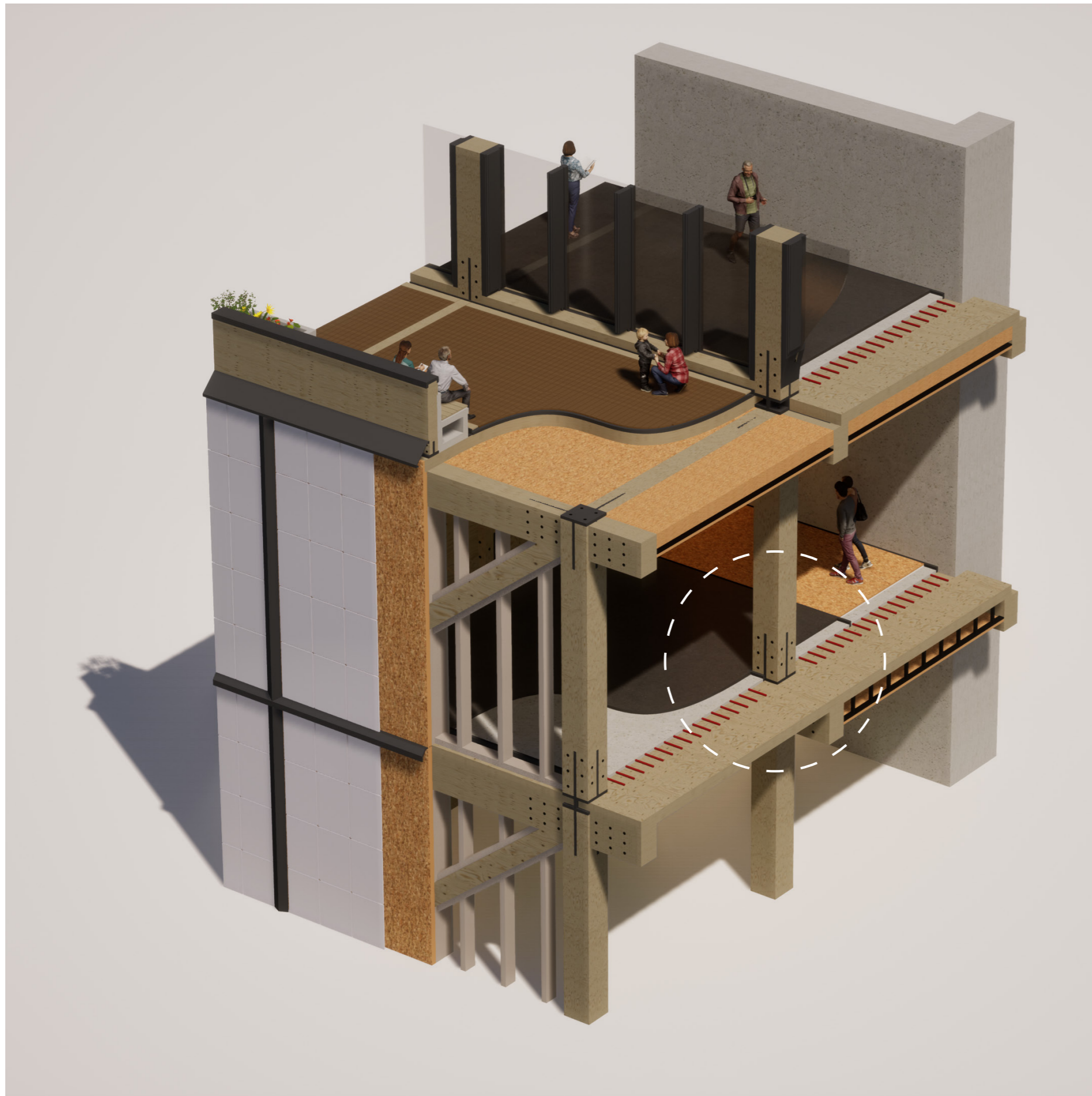
*Forum 1 Terrace - Timber Column Meeting Concrete*



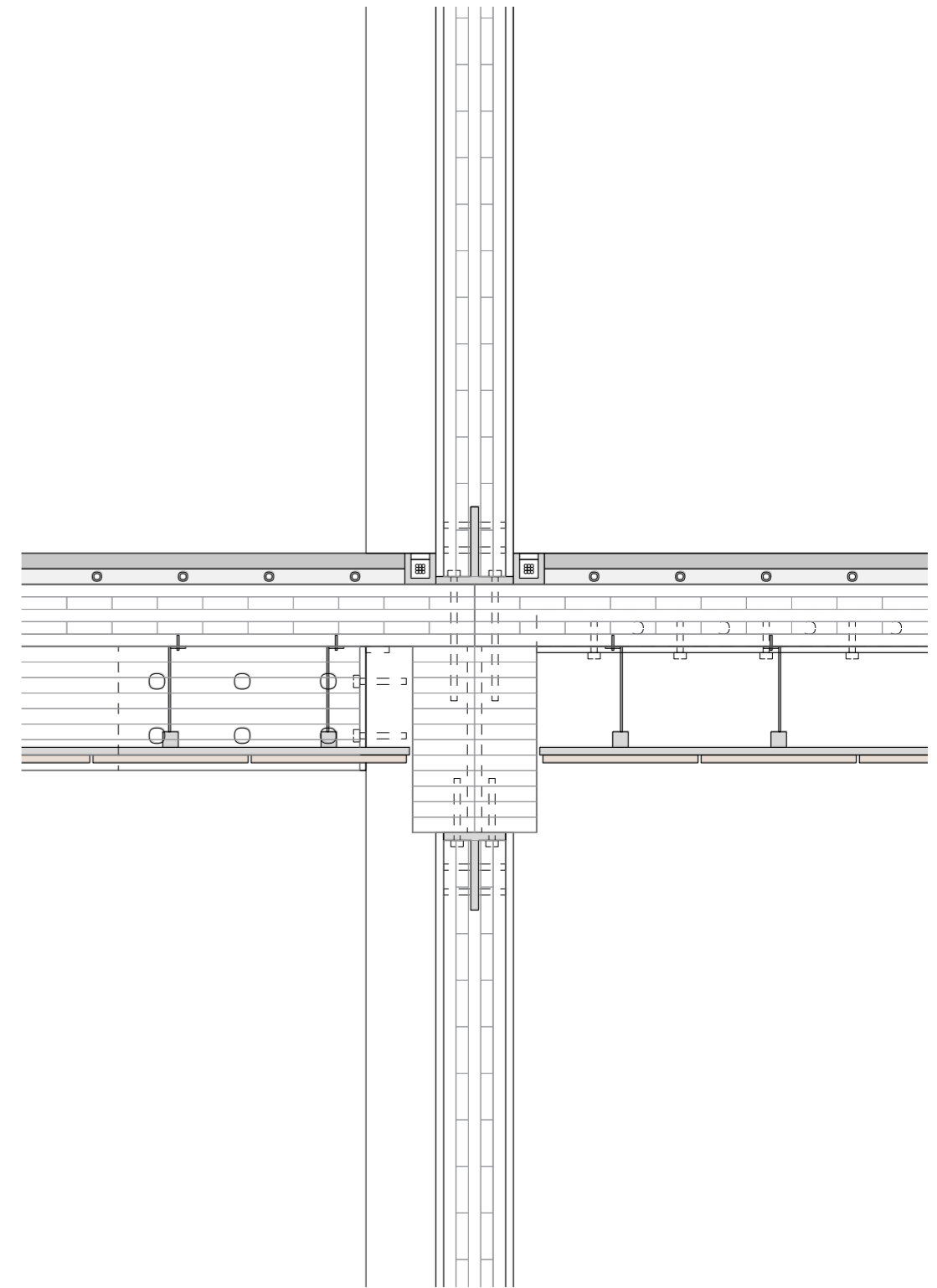
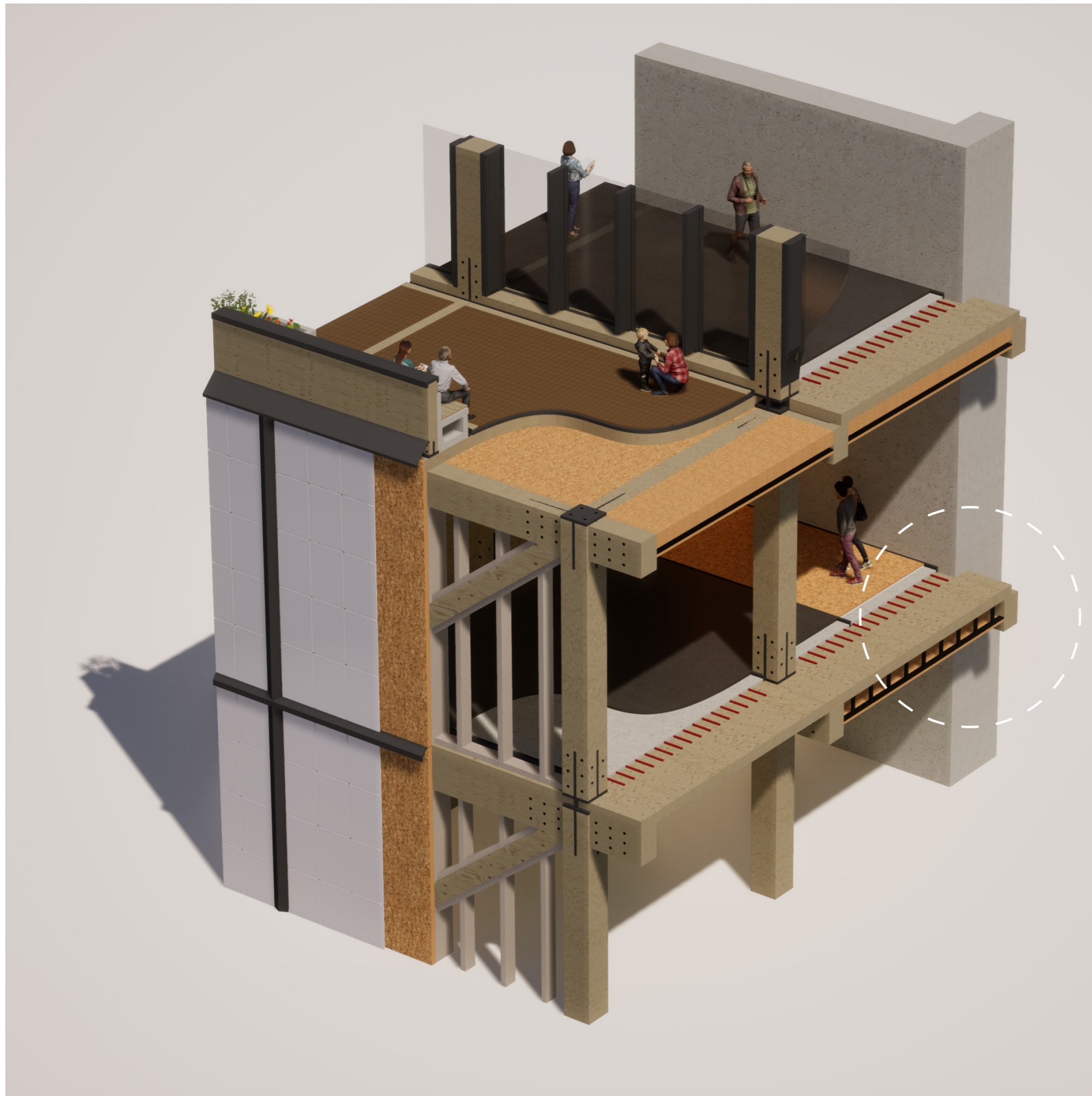
*Forum 1 Terrace - Window & Shading System*



Forum 2 Terrace - Timber



*Forum 2 Terrace - Timber Joint*



*Forum 2 Terrace - Timber Meeting the Core*



*Primary Entry*



*Overlooking the Park*

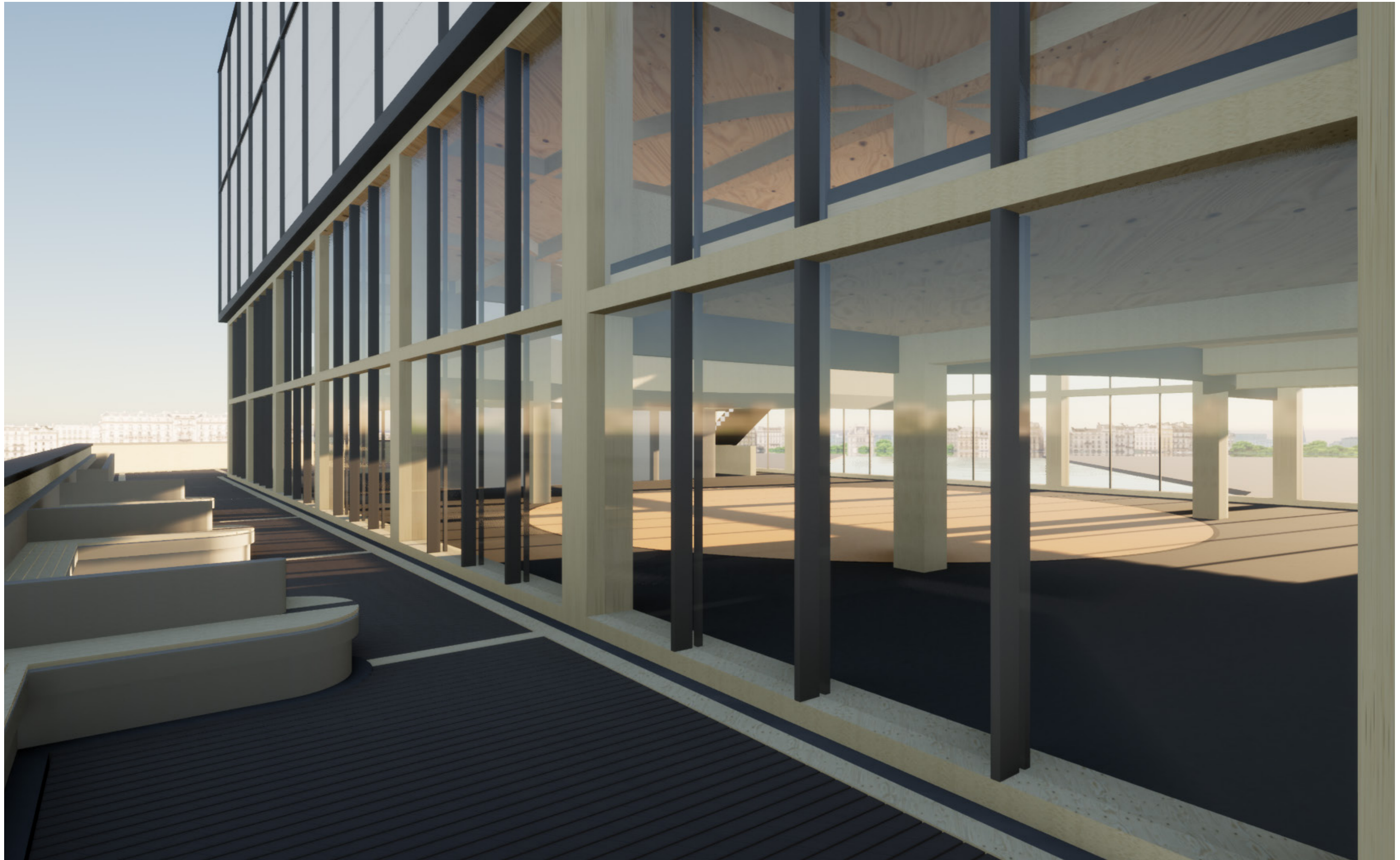


*Forum 1*

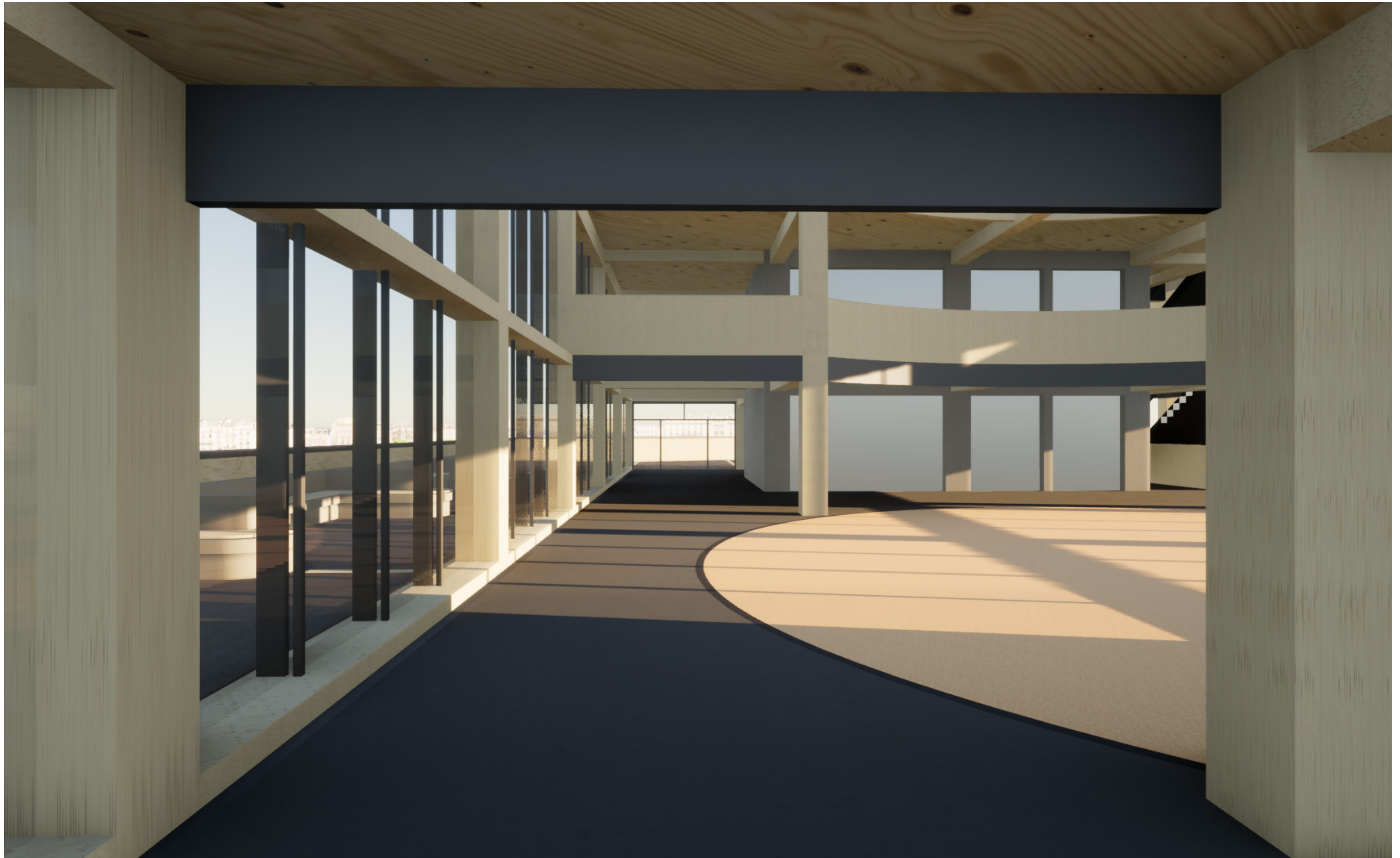




*Overlooking the Waterfront*



*Forum 2 Terrace*



*Forum 2*



*A Multi-Museum & the City*