

P5
Complex Project



A Co-working Agora: Dance Film Start-up Campus

MSc 4 | Empire Village| 1 JUL 2020

WONG Yung Man, Wyman



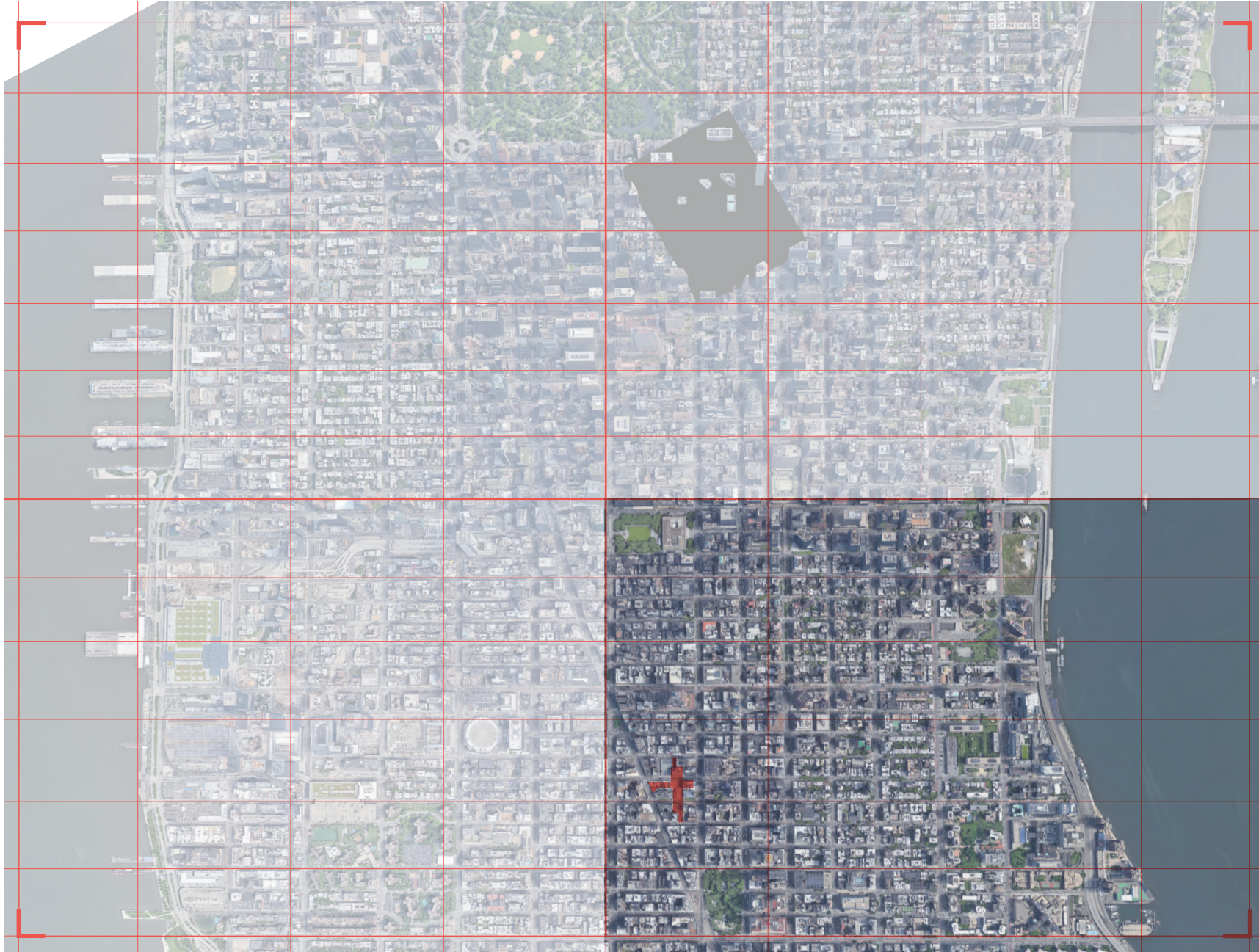
Dance-film start up campus



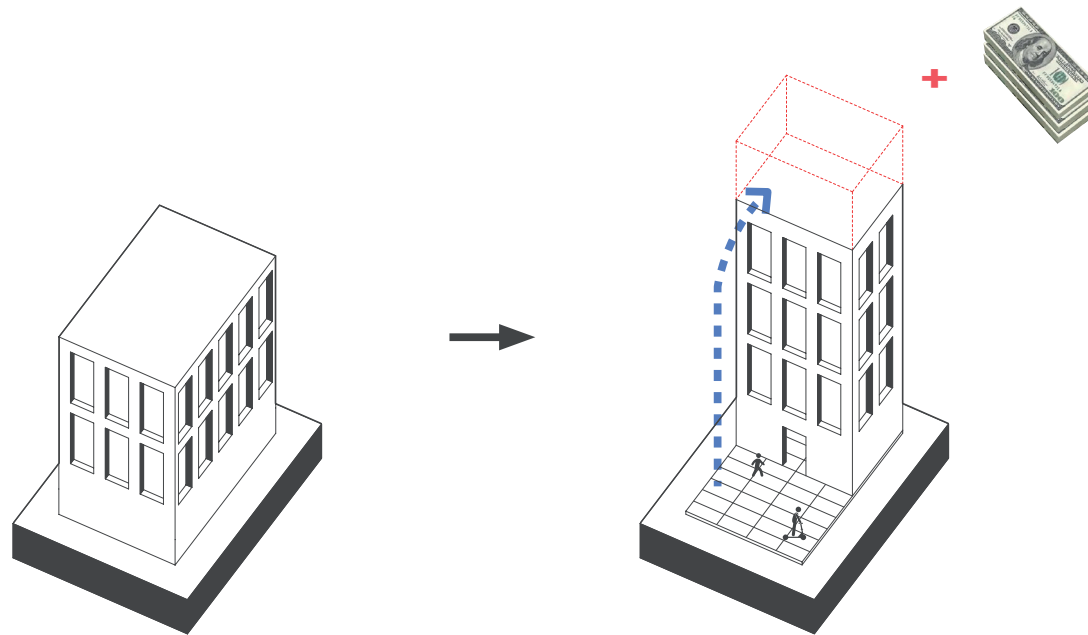
Research location



Project location



Financial model generating POPS



lack of desirable public space...



Problem Statement

In an ever changing and densifying metropolitan, economic efficiency & hyperdiversity neglect user's needs in using public spaces.

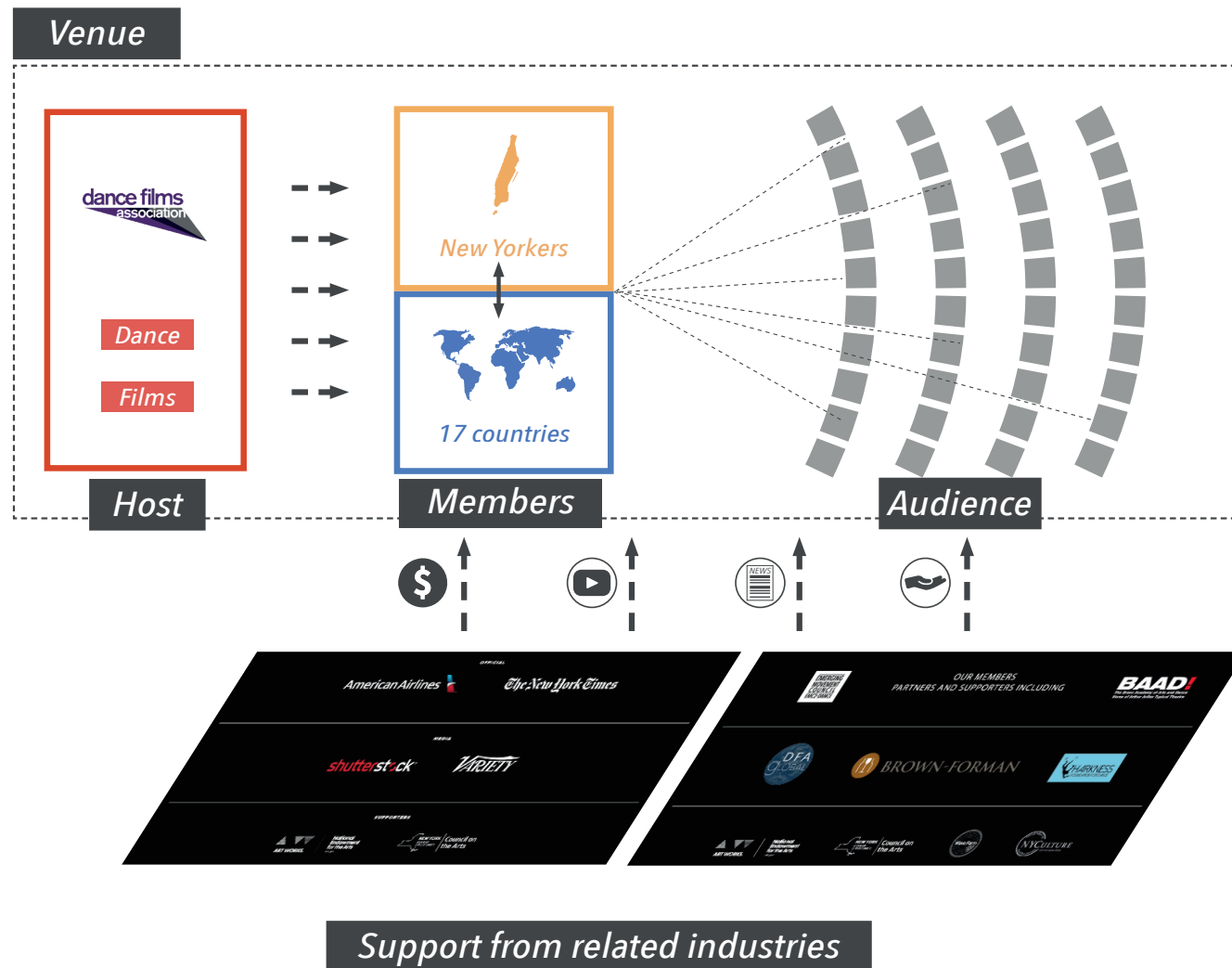
The weakening of spacial social attachment result in a sucessive segregation among neighbour and public realm.

Events as place making tool

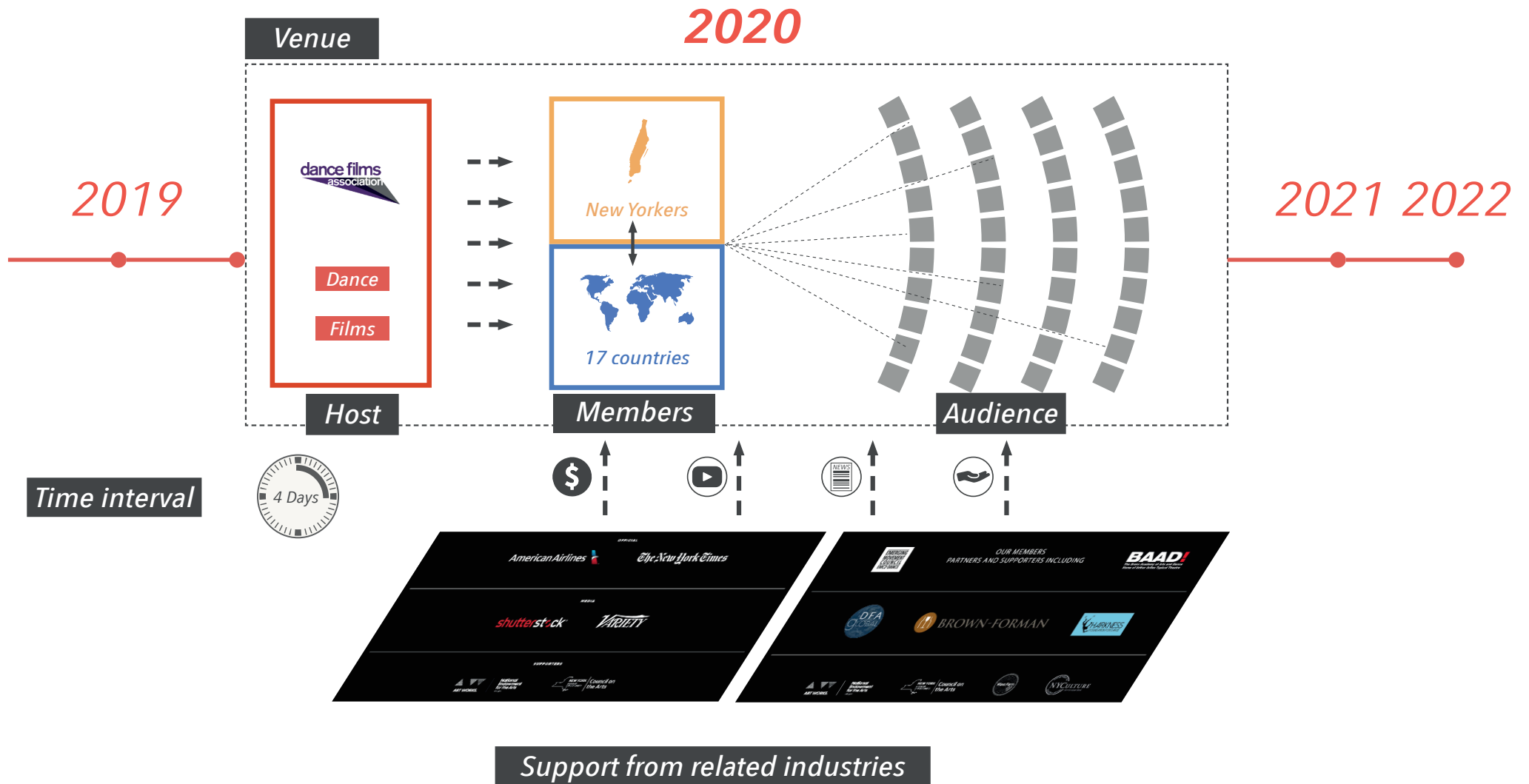
Venue



Constitution of parties



Ephemerality shapes time



Making place



1960s Users oriented approach



William H. Whyte
Documentary - 'How to live in a city?'

A user-oriented public building

Neighbour dependent

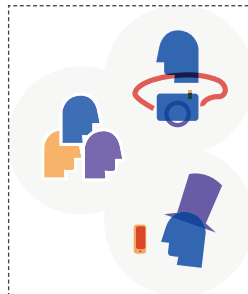
Diversed parties

Ephemerality

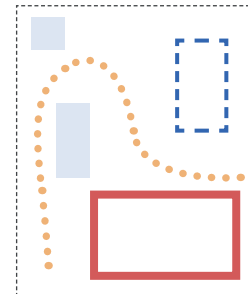
future proof



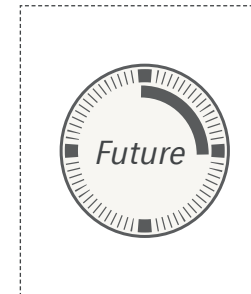
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+



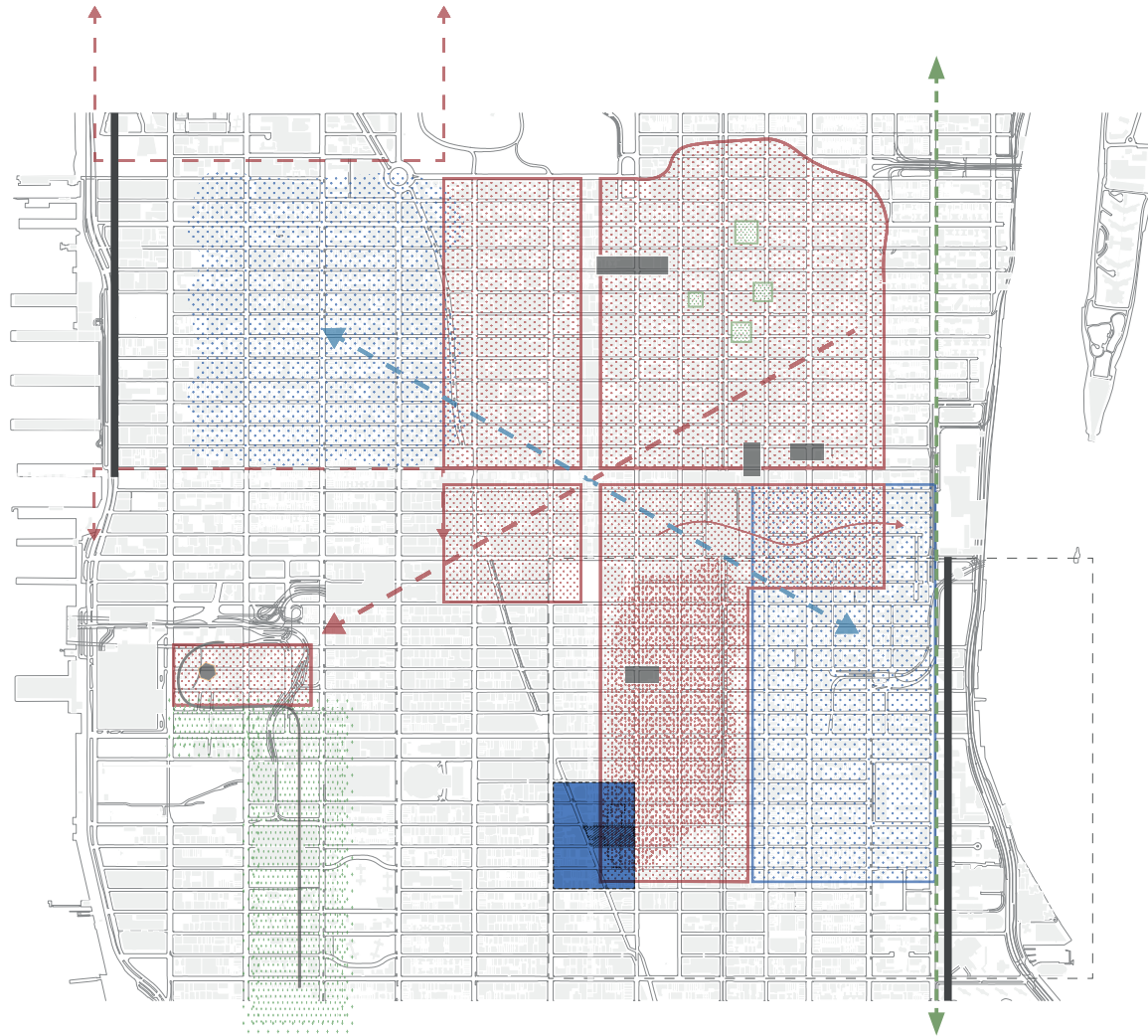
>



*Dichotomy between city planning
& user intervention break through*



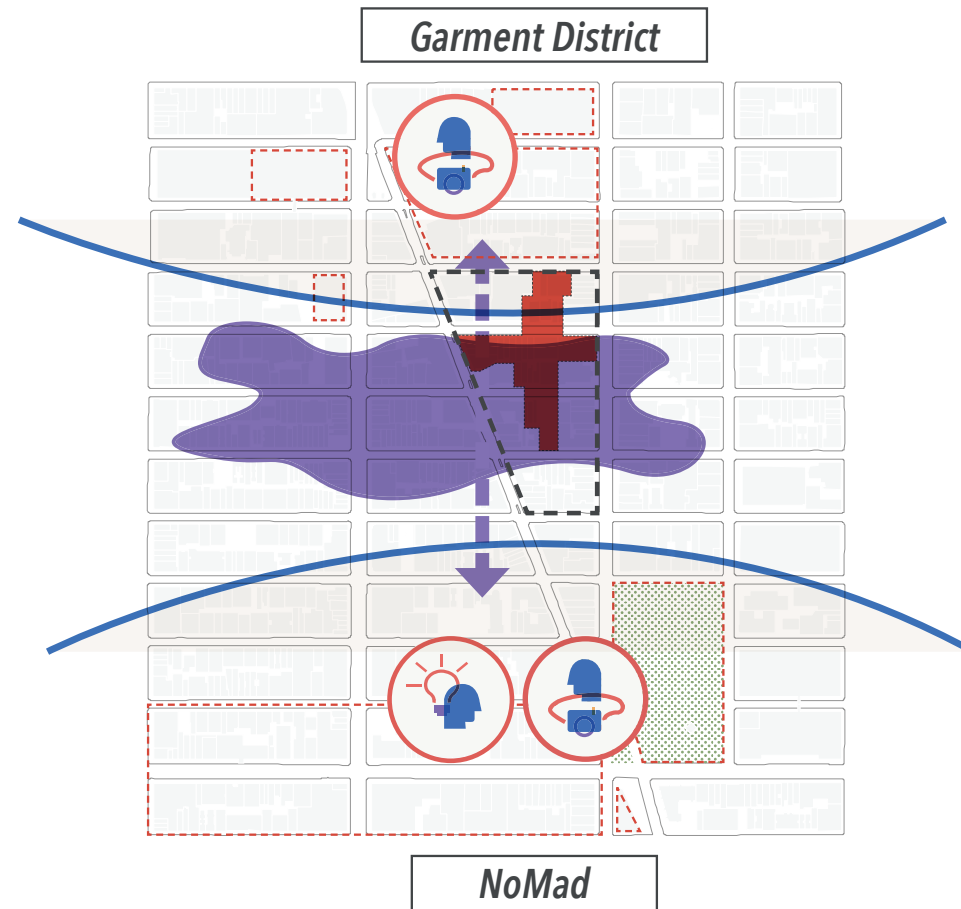
Site of investigation and its periphery

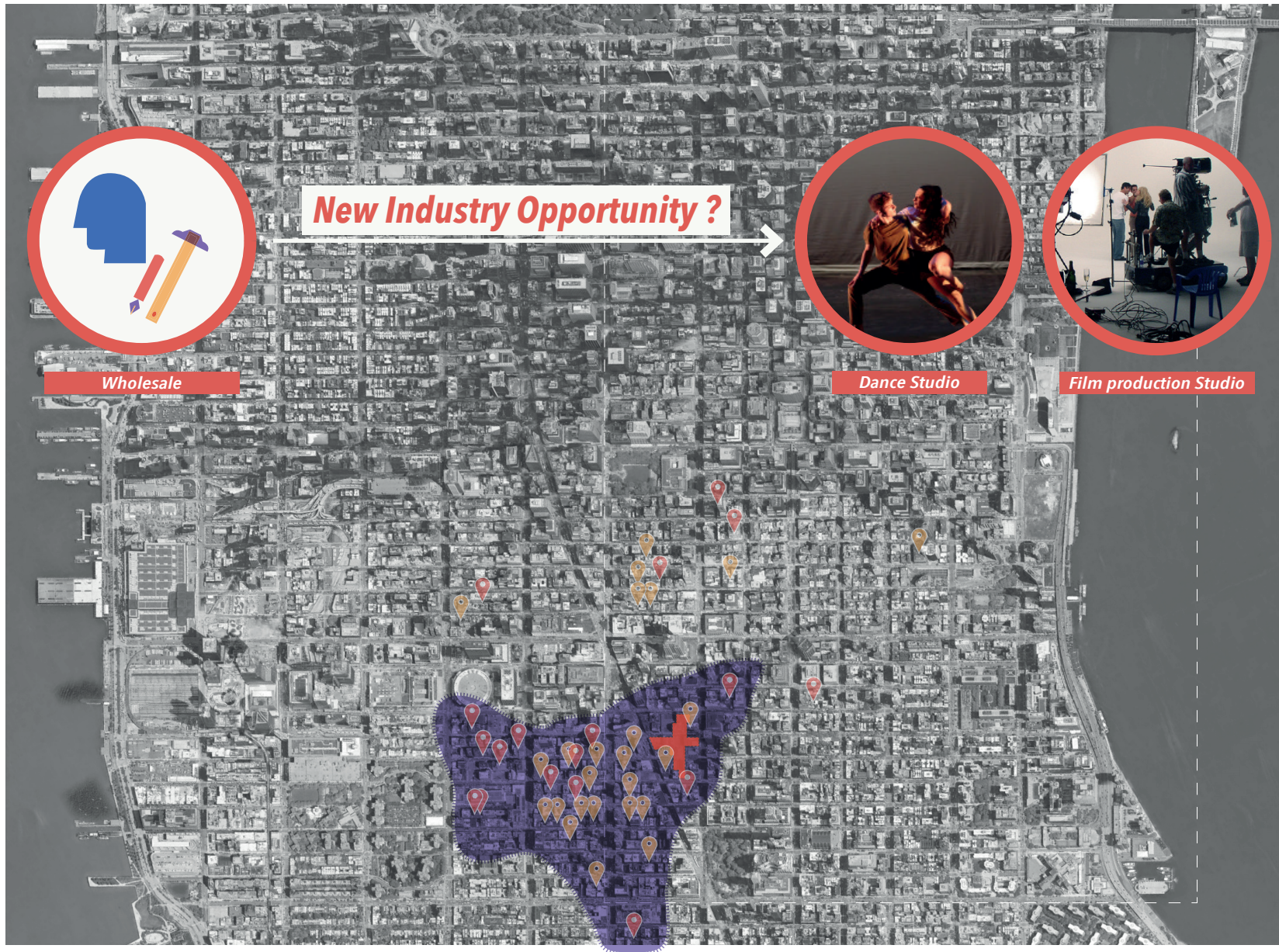


Reflect to local atmosphere



Old industrial buffer zone & transition zone





Research question

How can social dialogical activities enhance certain communities in public buildings? Can these be prompted within the industrial transitional areas of New York City?

*Cluster of start up
young generation*

+

Events

+

*Opportunity of
exchange*

v

co-working campus

*campus typology,
city & site*

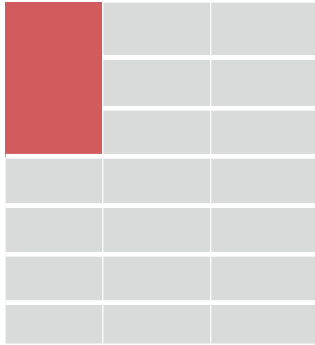
*program,
form & system*

design

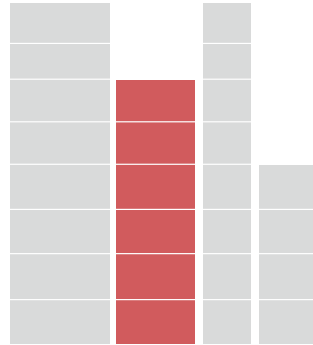
reflection

Campus

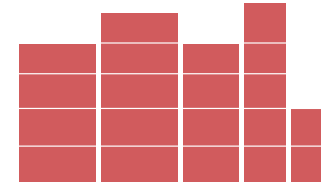
Campus types



Integrated

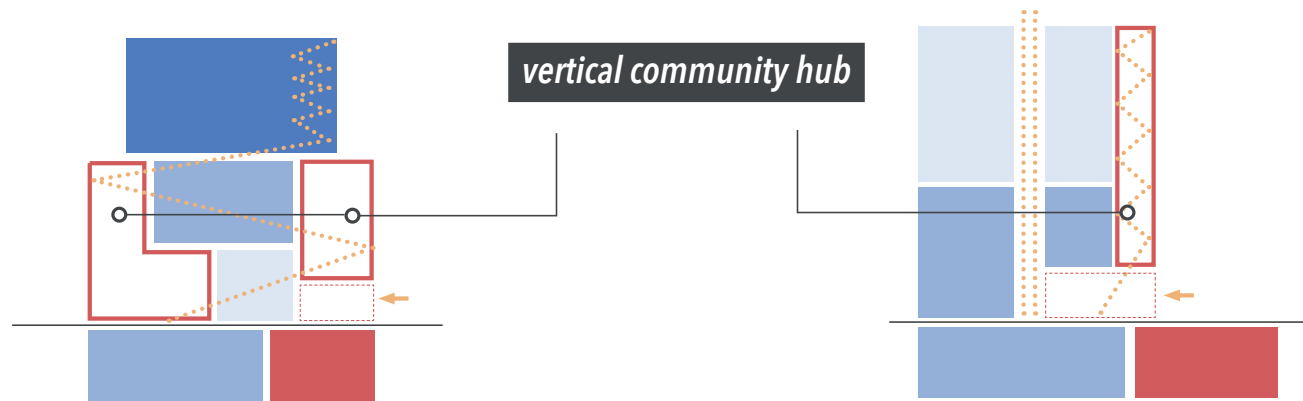


Single building



Cluster

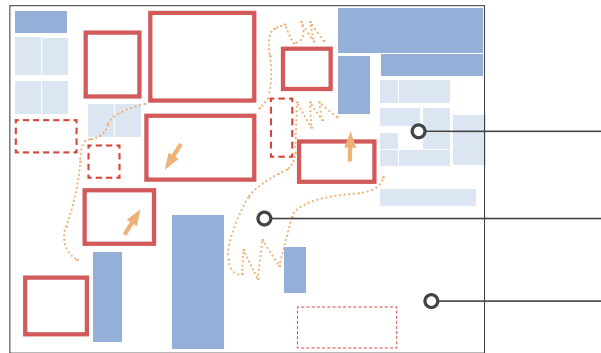
Campus case study - Vertical



The New School

Vagelos Education Center

Campus case study - Horizontal

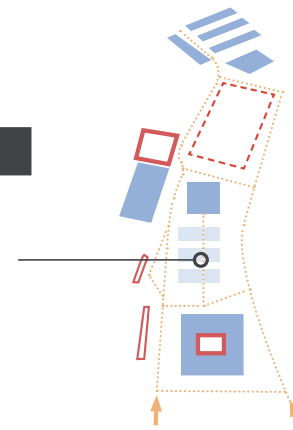


Rolex Learning Center

spacial cluster

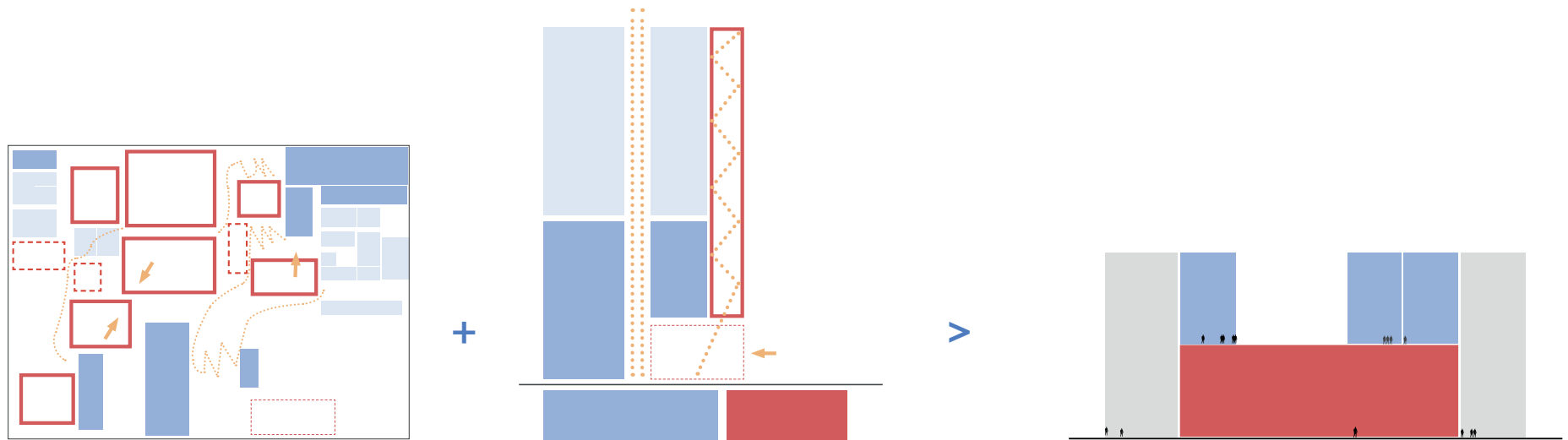
*circulation
forming space*

*eliminating
heirarchy*



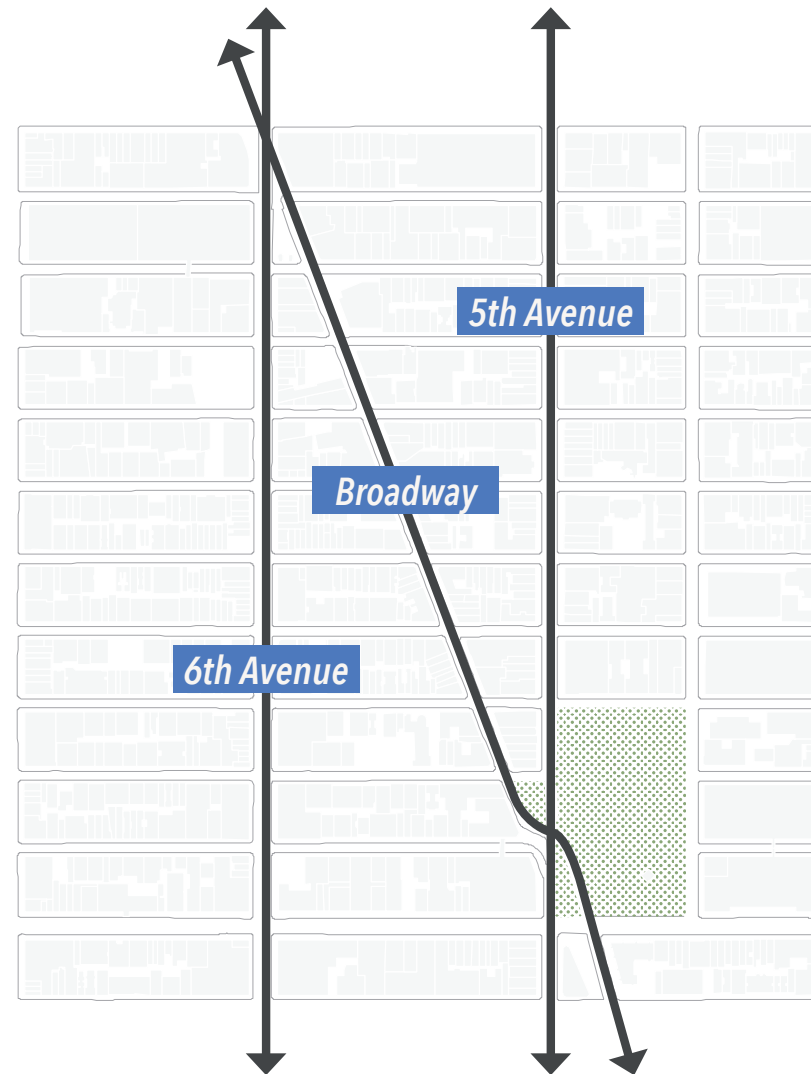
Hunan University Tianma New Campus

New campus in New York > Mid-rise

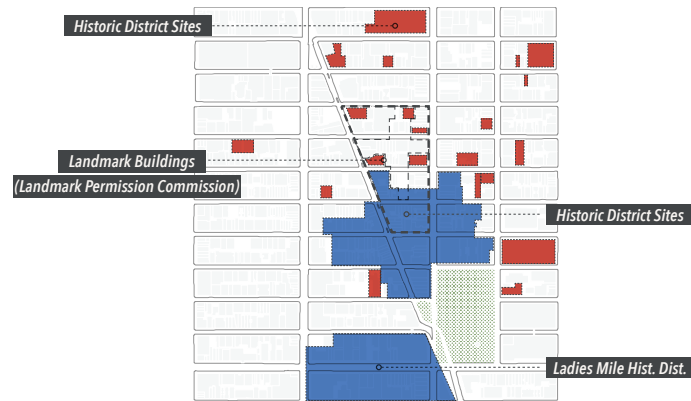


City & site

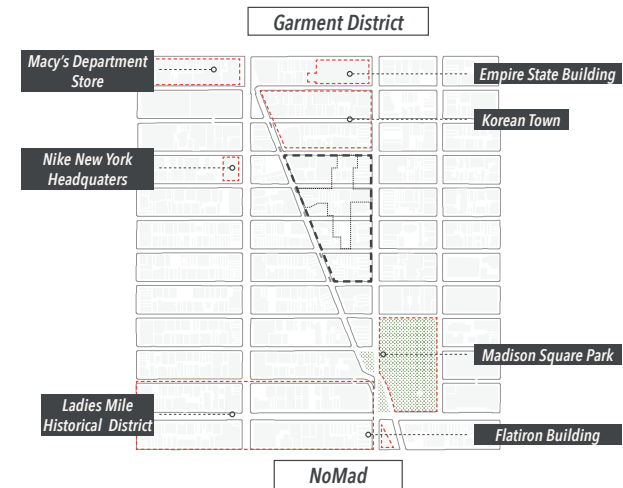
Urban character leads to formation of site:
Domination of Broadway & Fifth Avenue



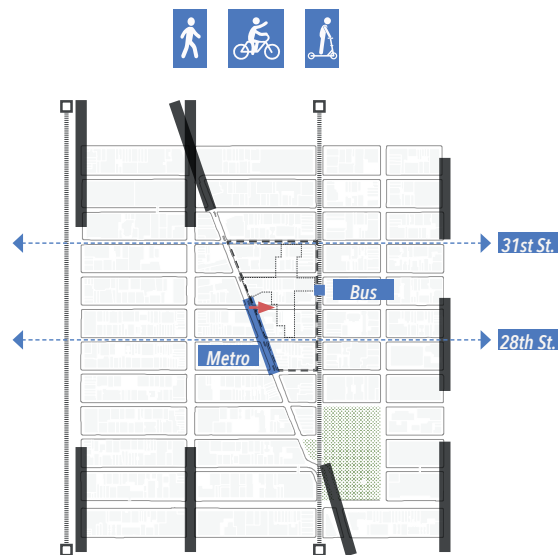
Urban character leads to formation of site



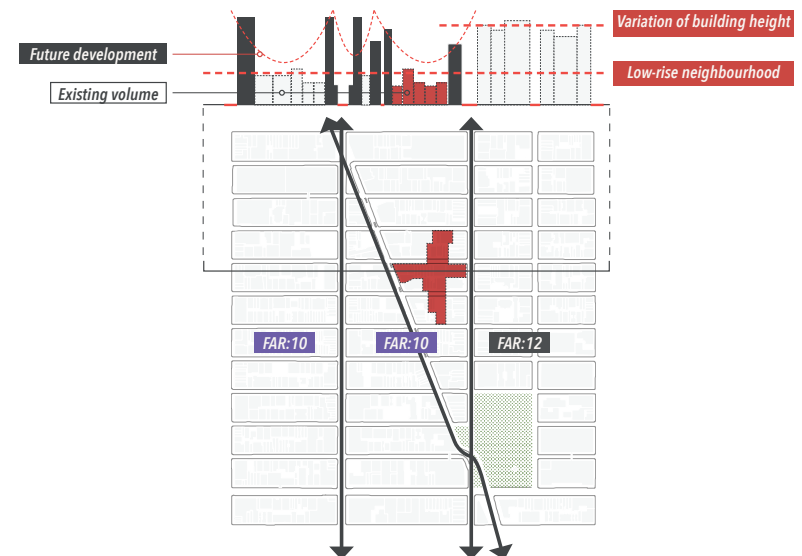
Historical district



Tourism hot spots

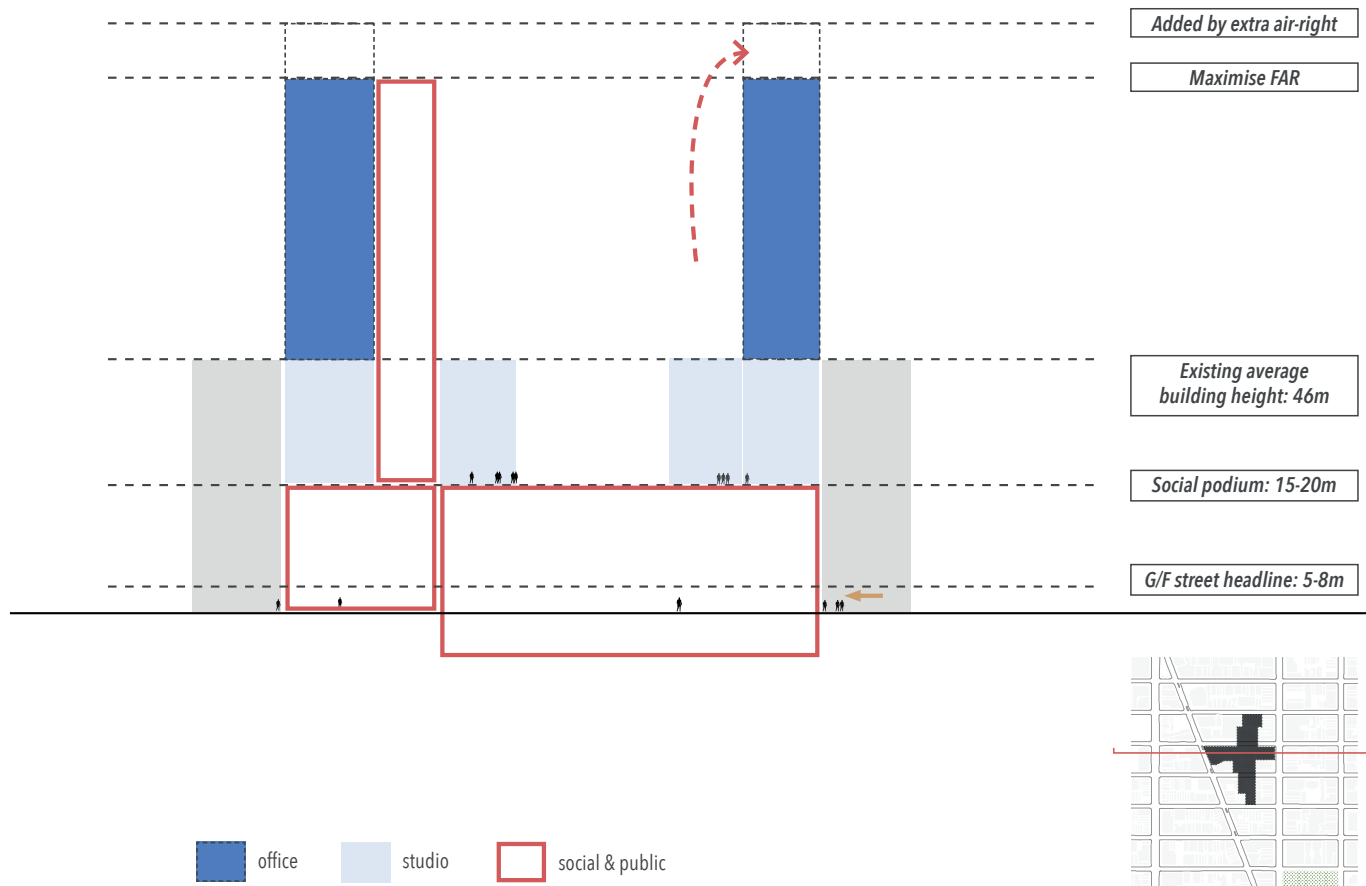


Pedestrianised

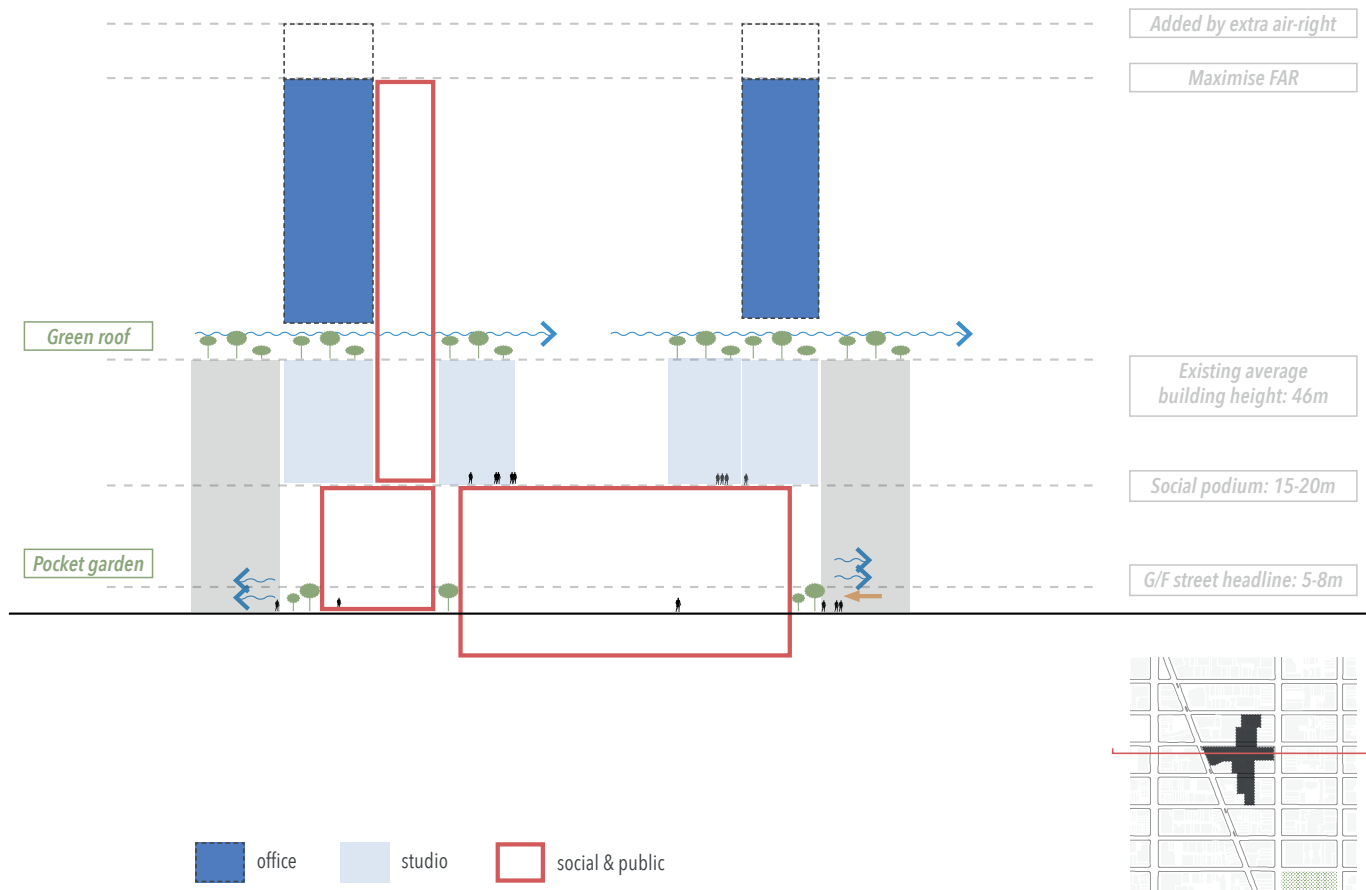


Urban fabric adaption

Urban rules



Urban opportunity

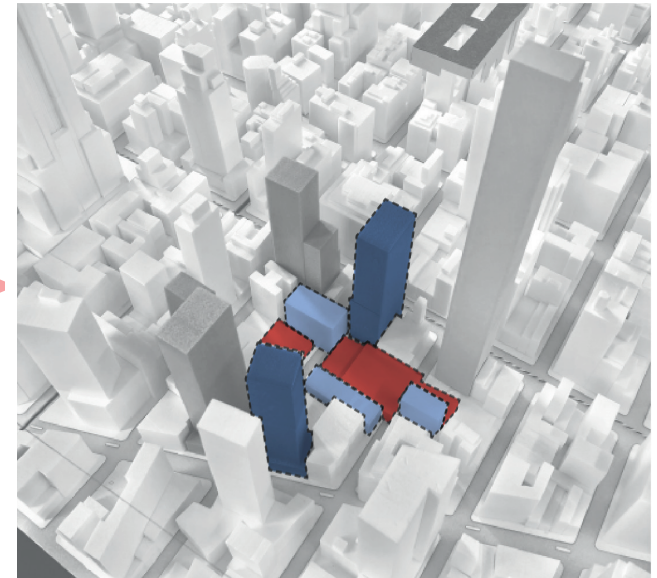
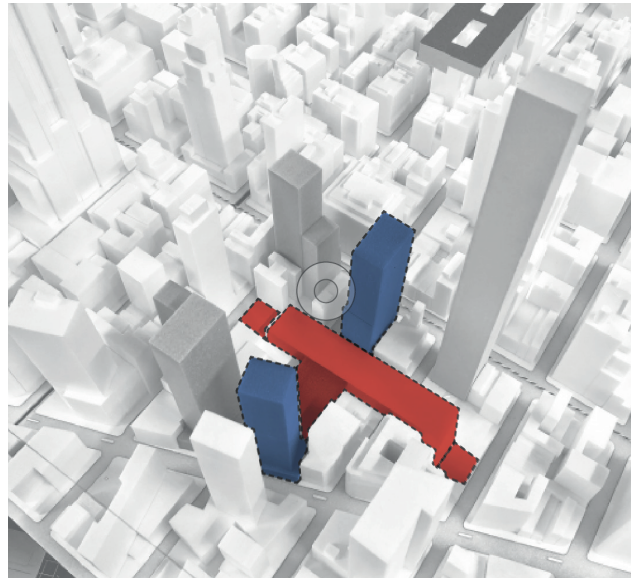


Urban rules forming the building mass

New form

*Developments adapting
to the Avenues & Broadway:
High-rises*

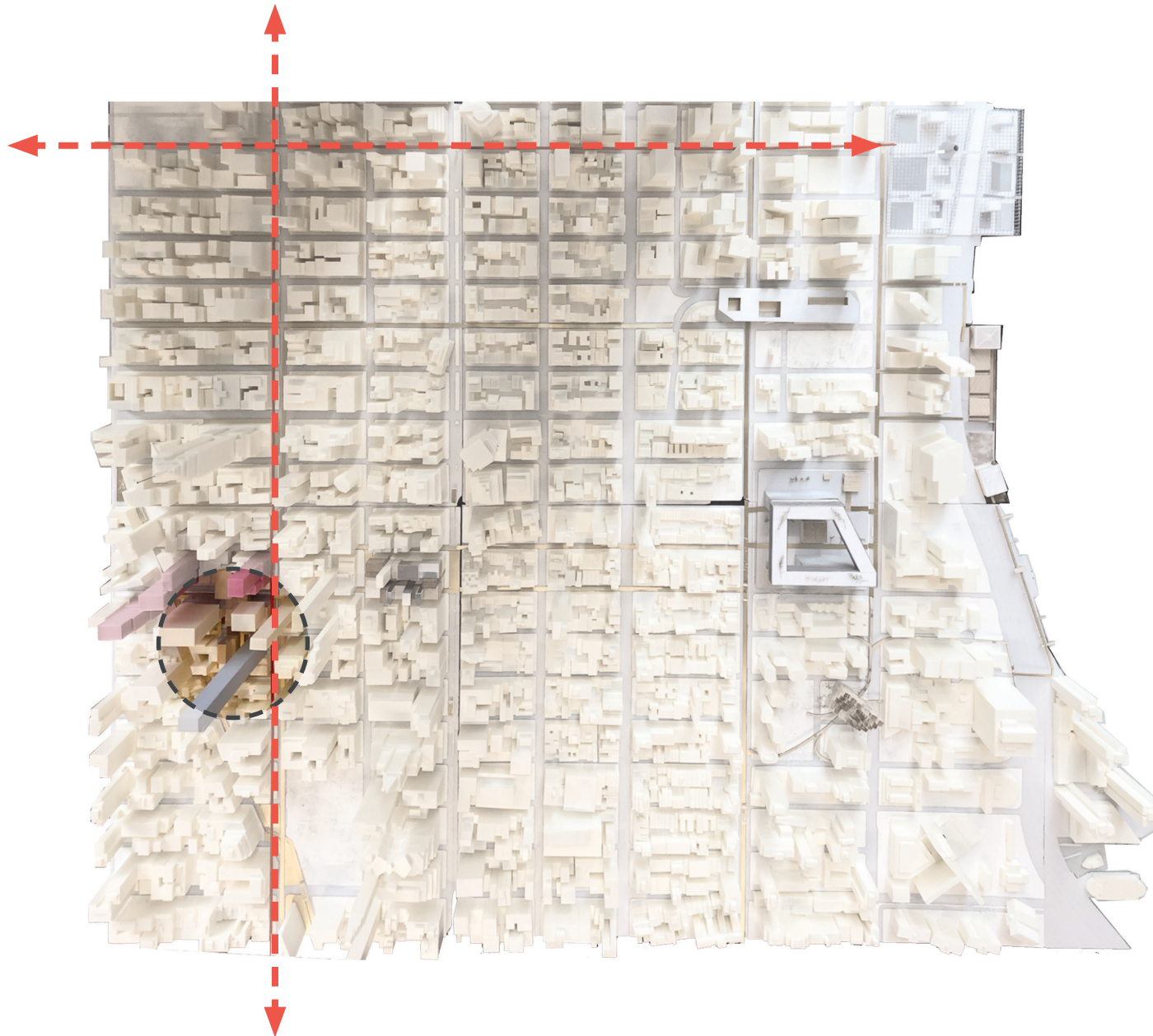
*Public podium
& campus*



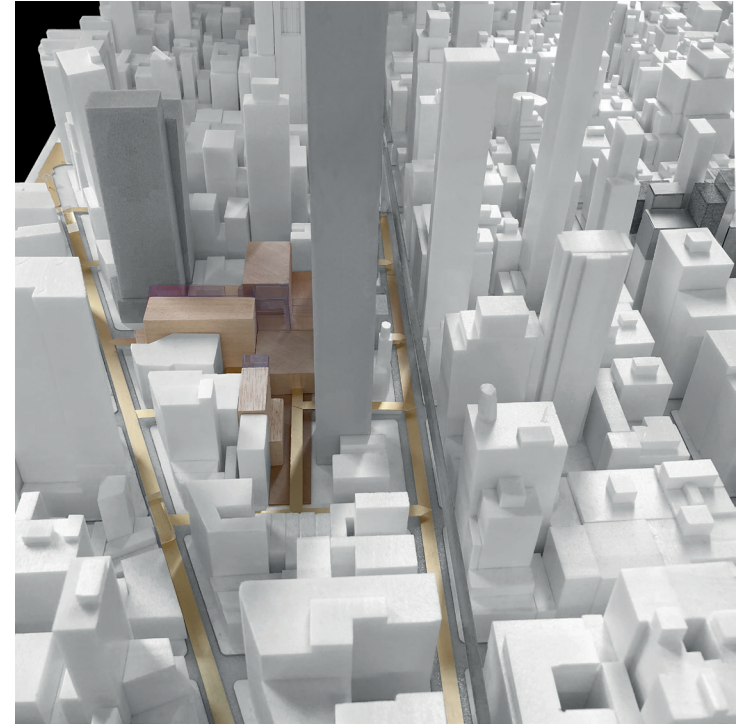
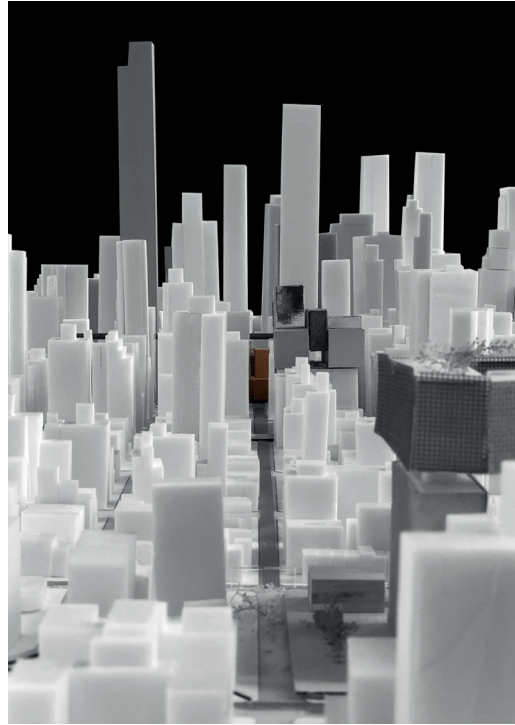
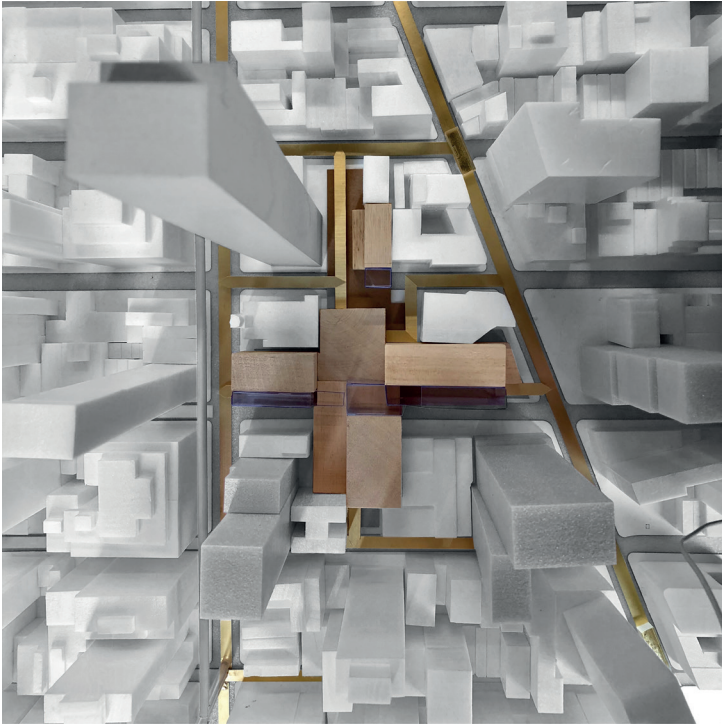
Group vision
Maintain diversity in industrial zone: buffer



Urban village



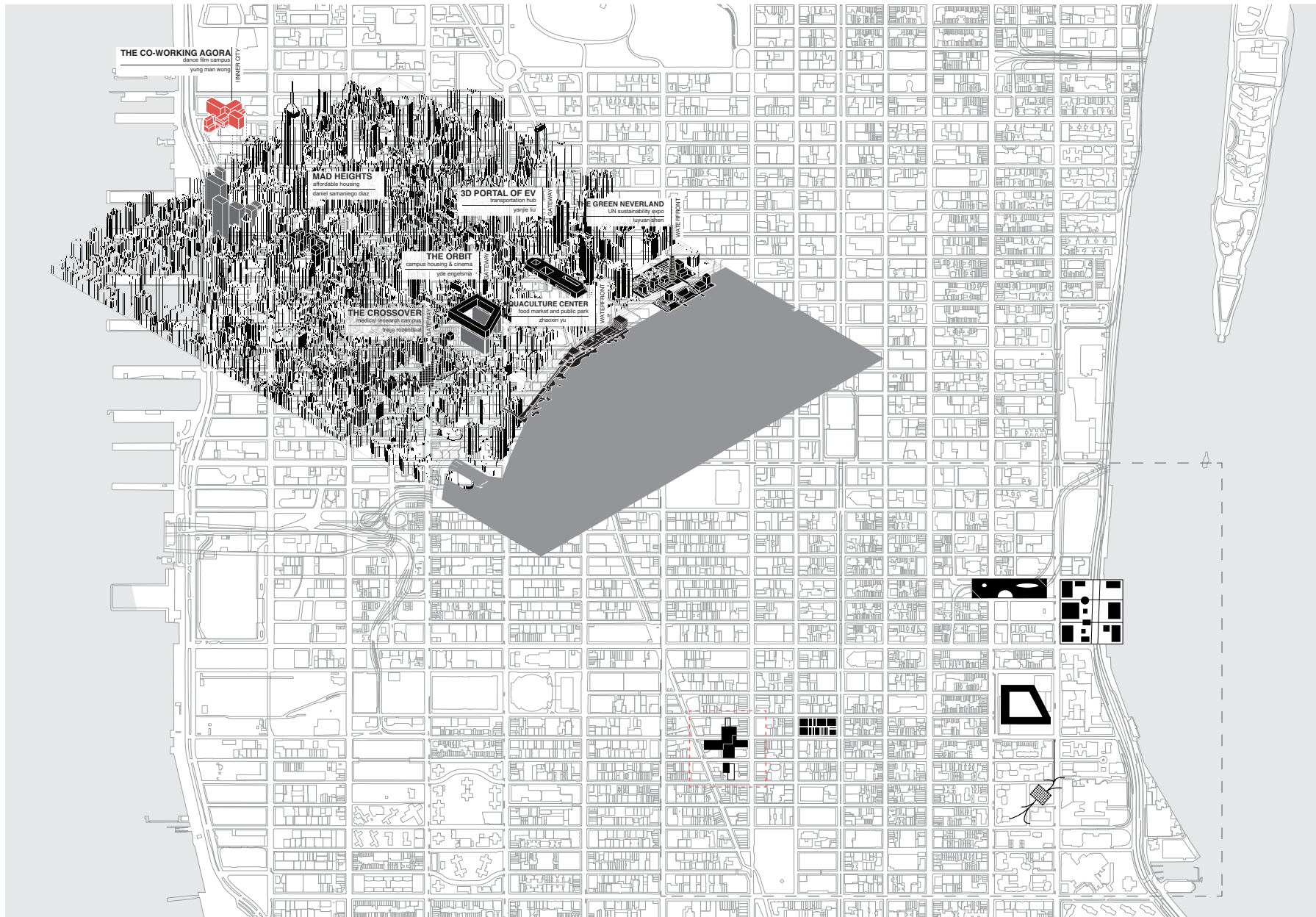
Volume & linkage



Gold lines: *Linkage with context*
Grey: *Expected future high-rises*
Timber & glass: *Volume & material*

Building intervention contrast to existing Manhattan lot dimension

- Skinny towers & Old row houses



*campus typology,
city & site*

***program,
form & system***

design

reflection



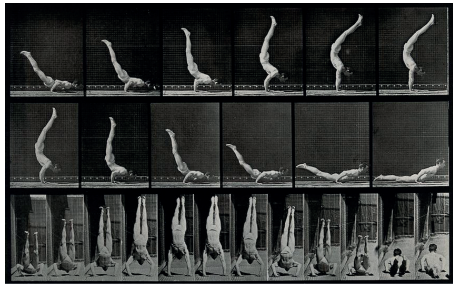
Dance Films Association Broadway Start Up Campus



Interdisciplinary art of dance & film
cinematic interpretation of existing dance form



Choreography responding to electronic media technology



1880s



1953

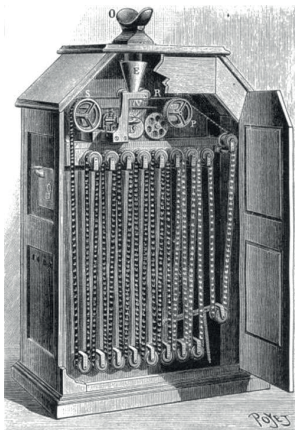


1965



2020

1894



1956



1980



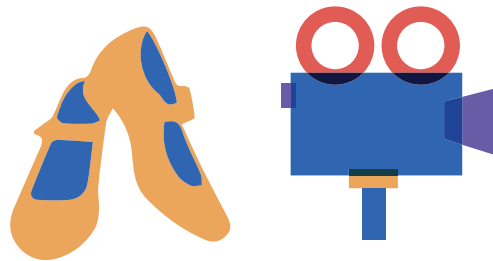
Expose to public through events



Trisha Brown, *Walking On The Wall* (1971)
Film by Elaine Summers, 1971



*initiating
art business*



*collaboration
& production*



*performance
& promotion*

Artists



start-up artists



*administration
& technicians*



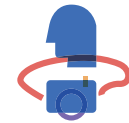
Public



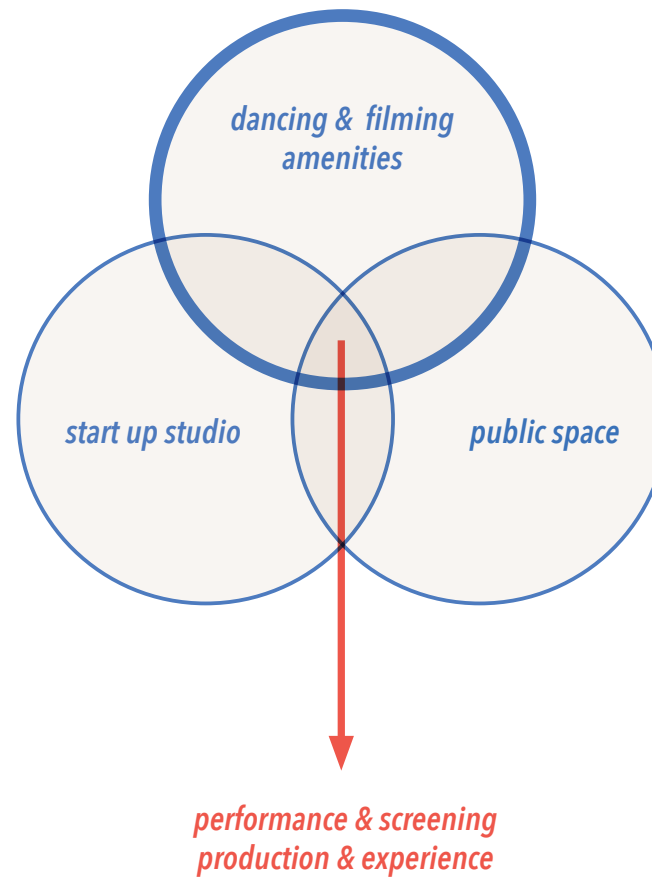
participants

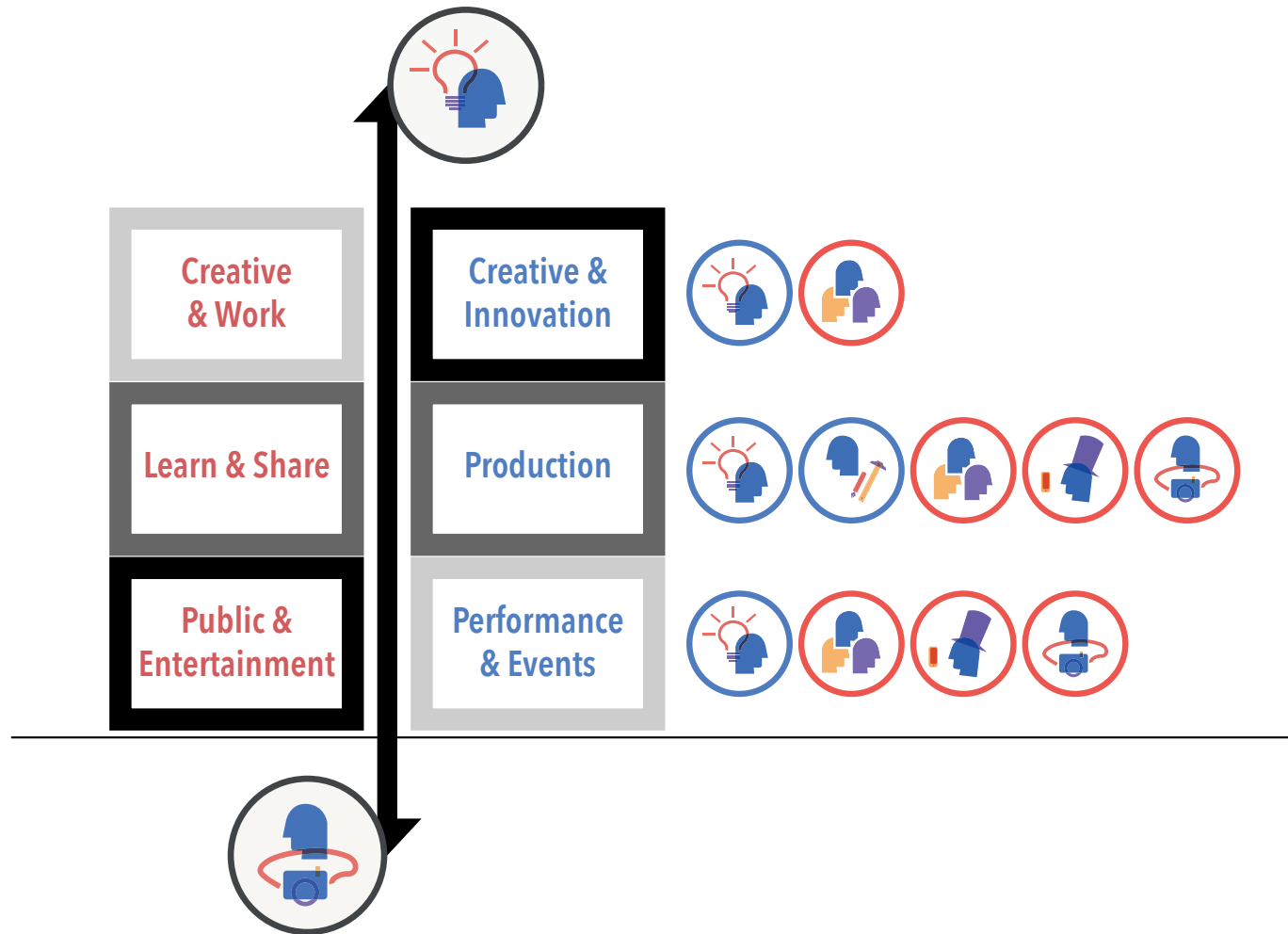


general public

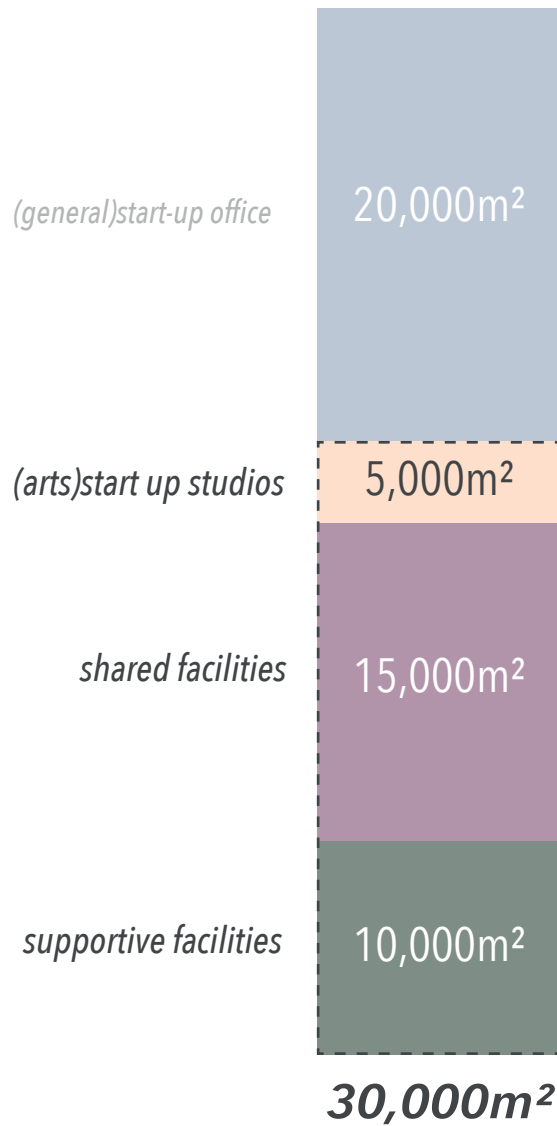


visitors

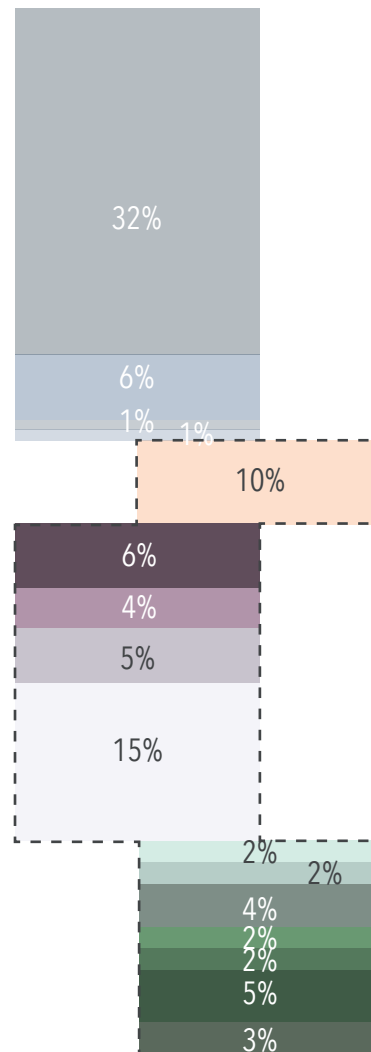




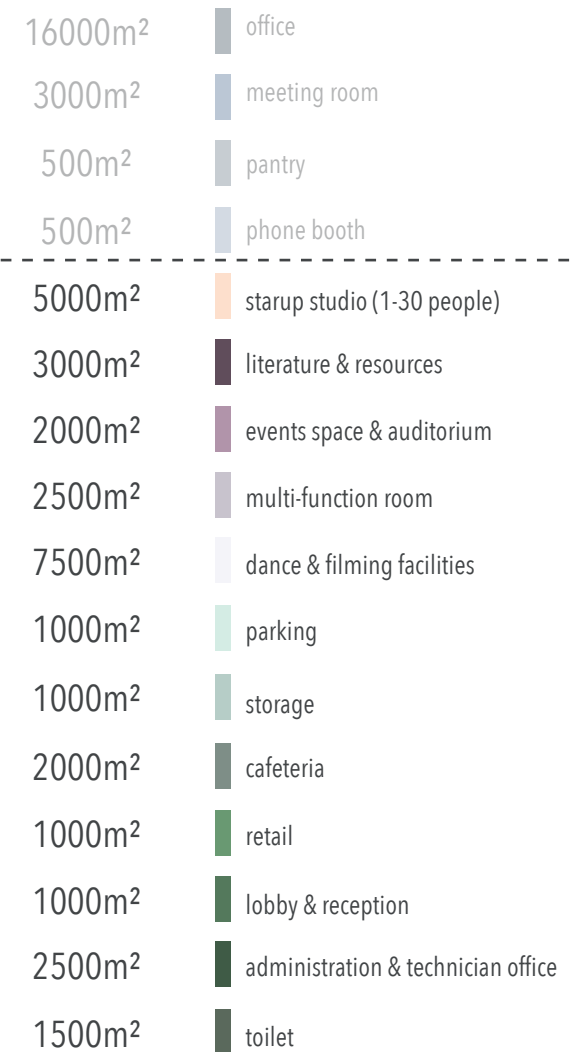
Total: 50,000m²



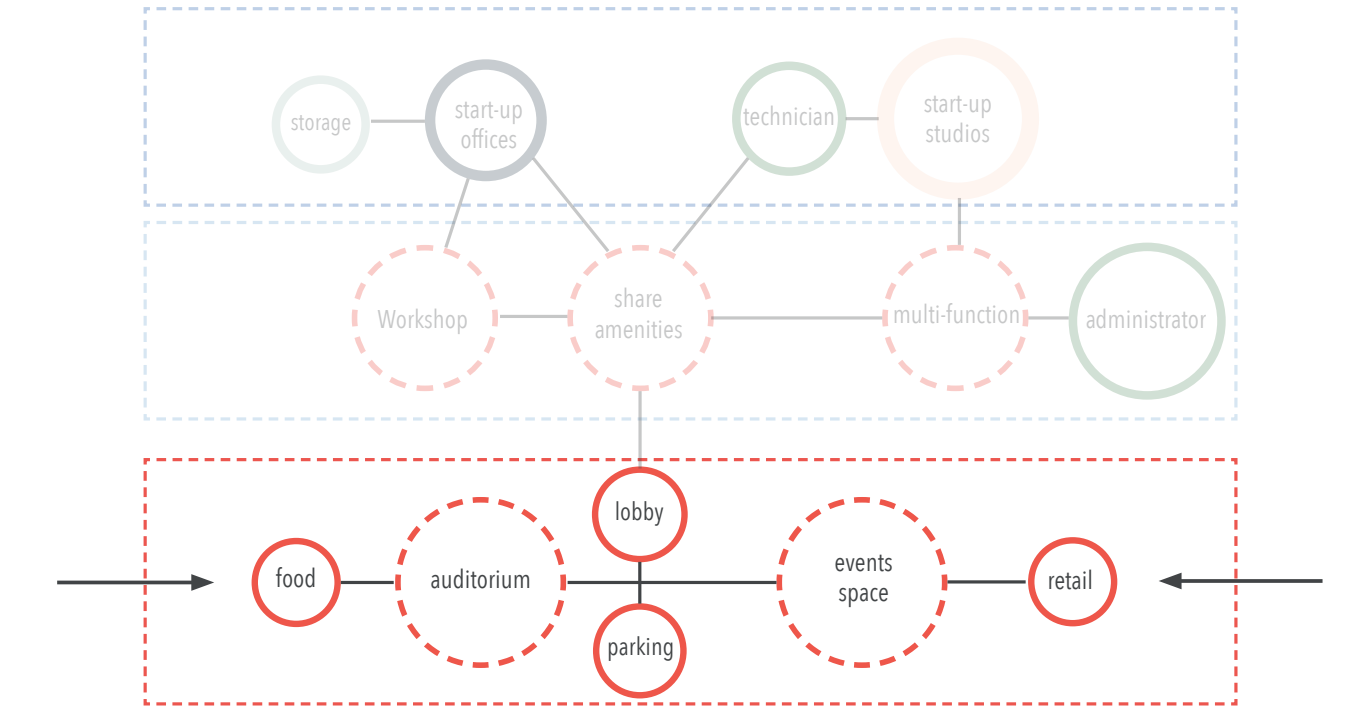
Proposal



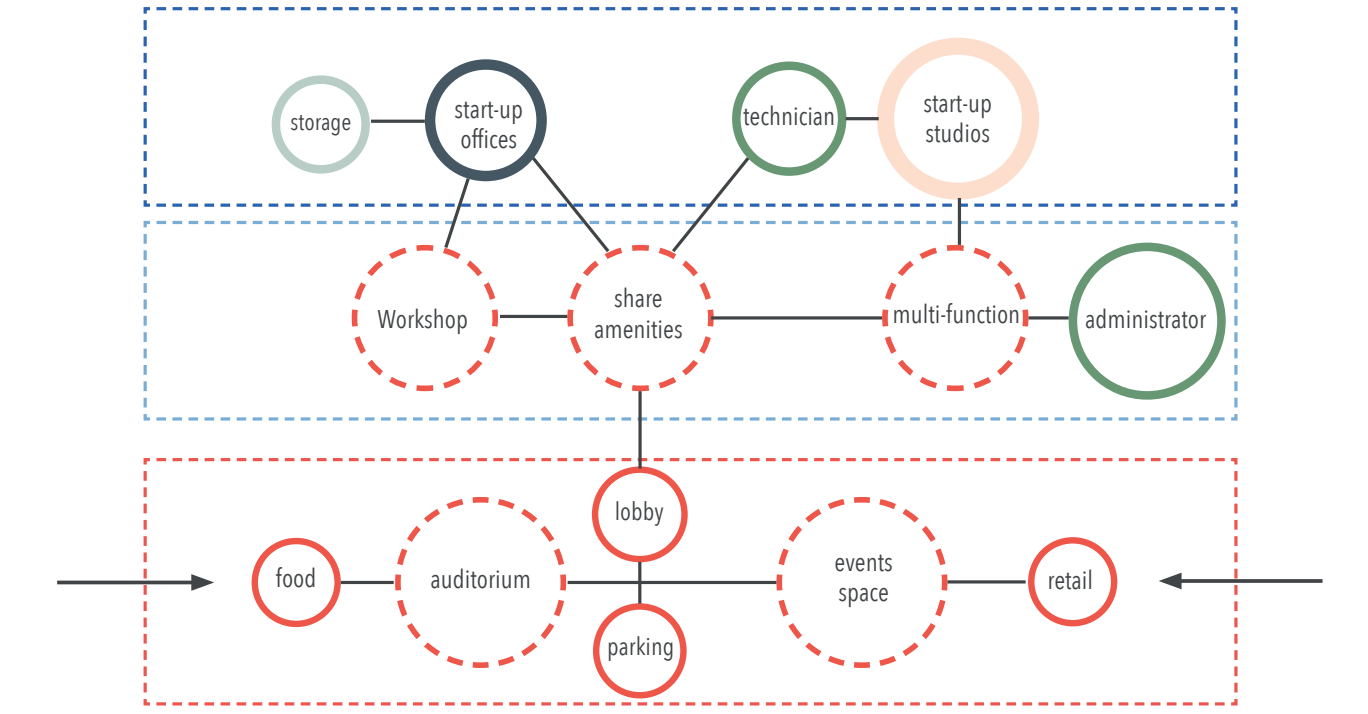
Division



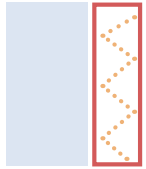
Basic layout



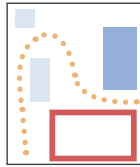
Basic layout



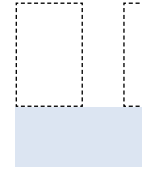
Design targets



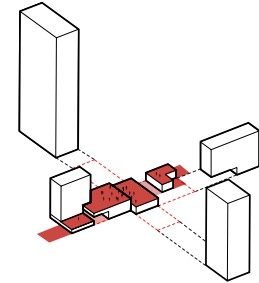
*Vertical publicity
& connectivity*



*Horizontal
non-hierarchical plan*

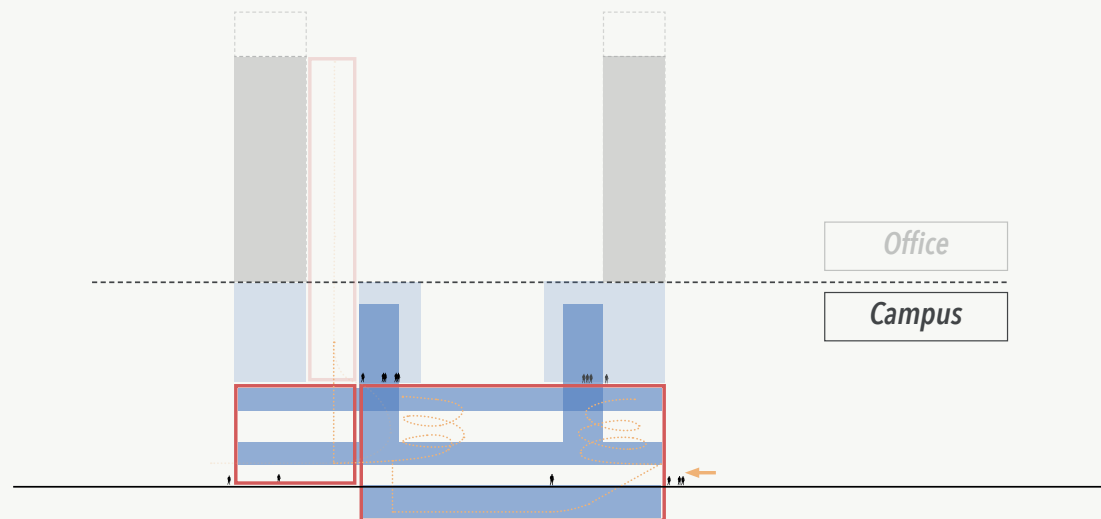


*Future highrise
expansion*

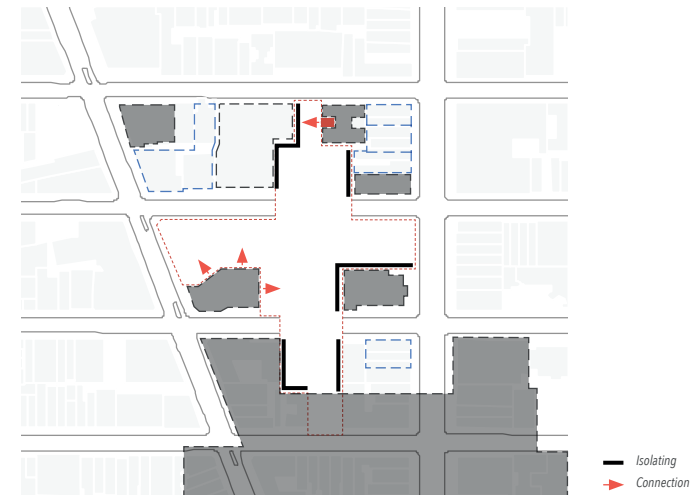


Public contiunity

Form & system



Immediate surrounding > program and urban responds

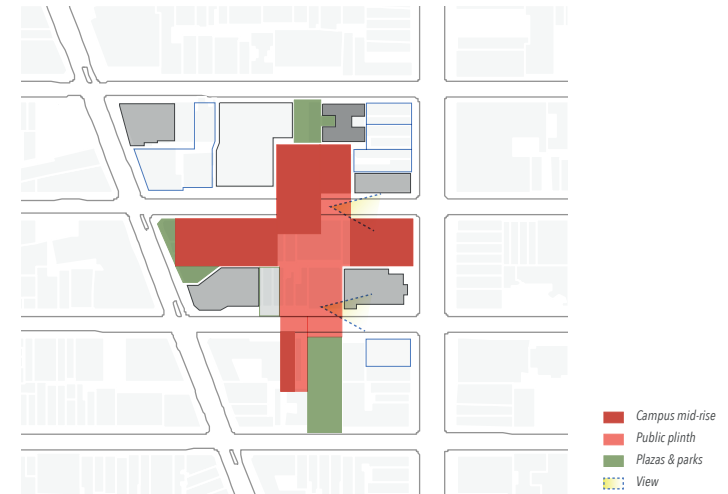


Building condition

Relationship to the campus

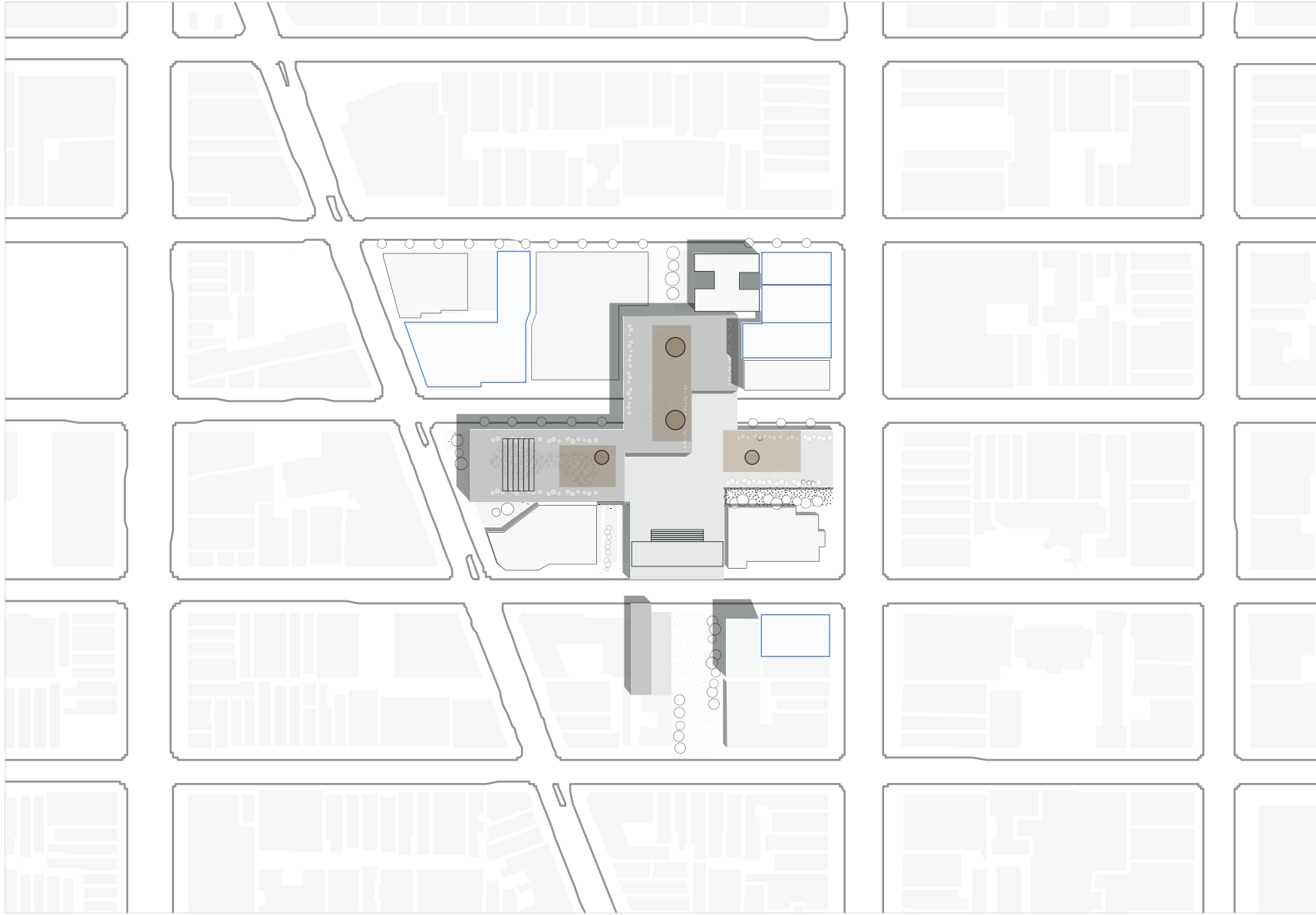


Porous plaza

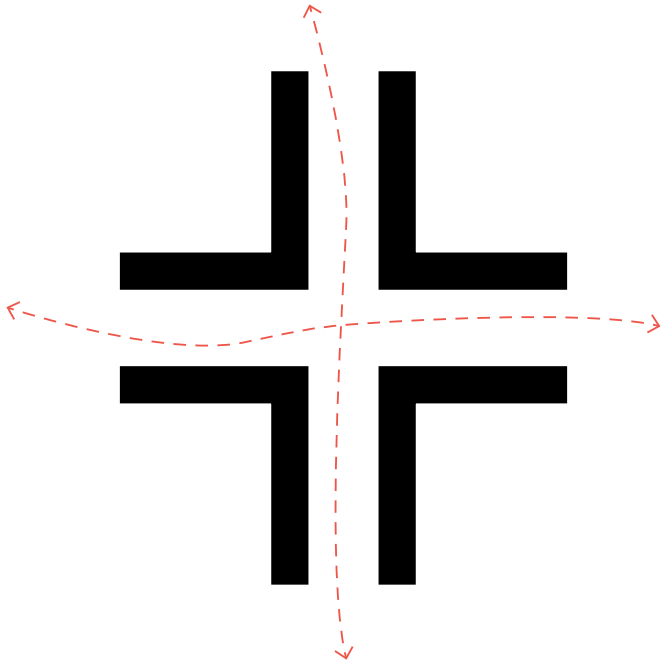


Mid-rise urban campus

Event roofscape

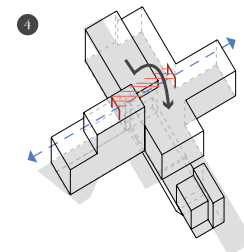
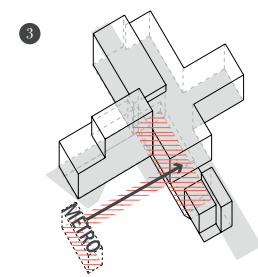
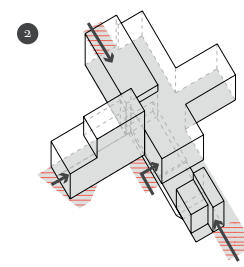
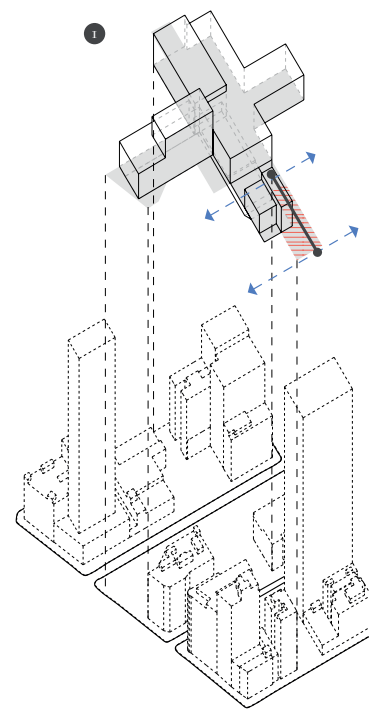
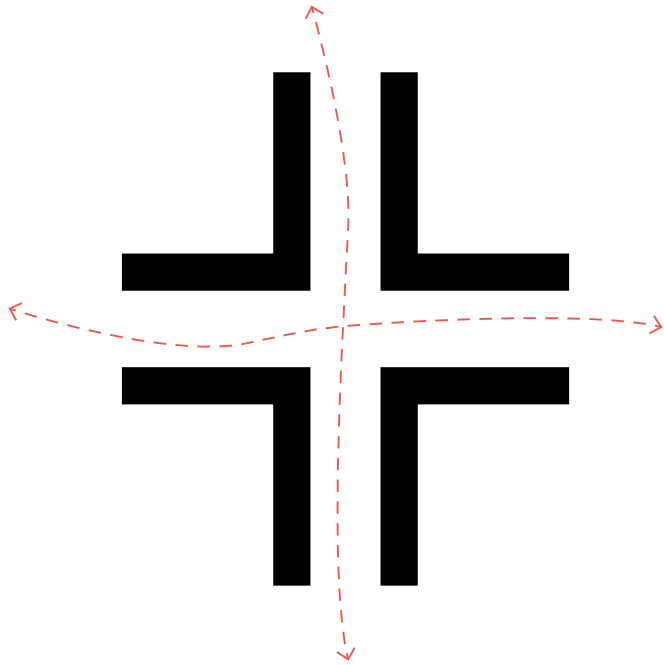


Urban porosity



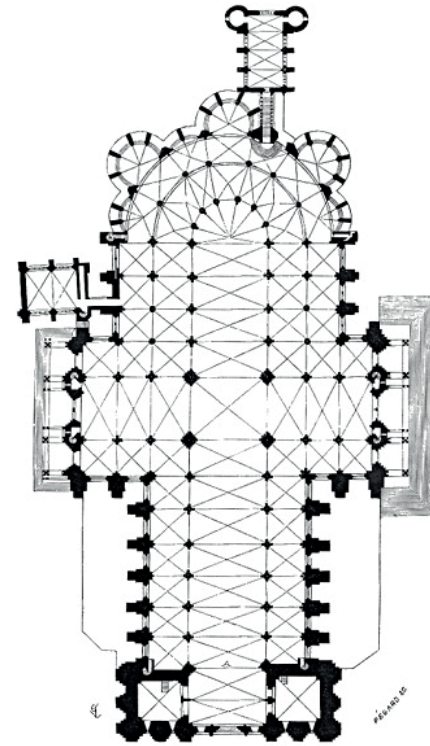
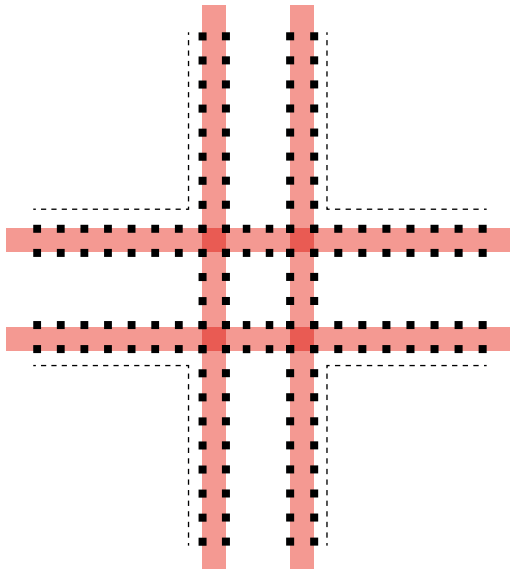
Milan's Galleria Vittorio Emanuele (1878)

Urbanporosity - Block-specific urban linkages (public plinth)



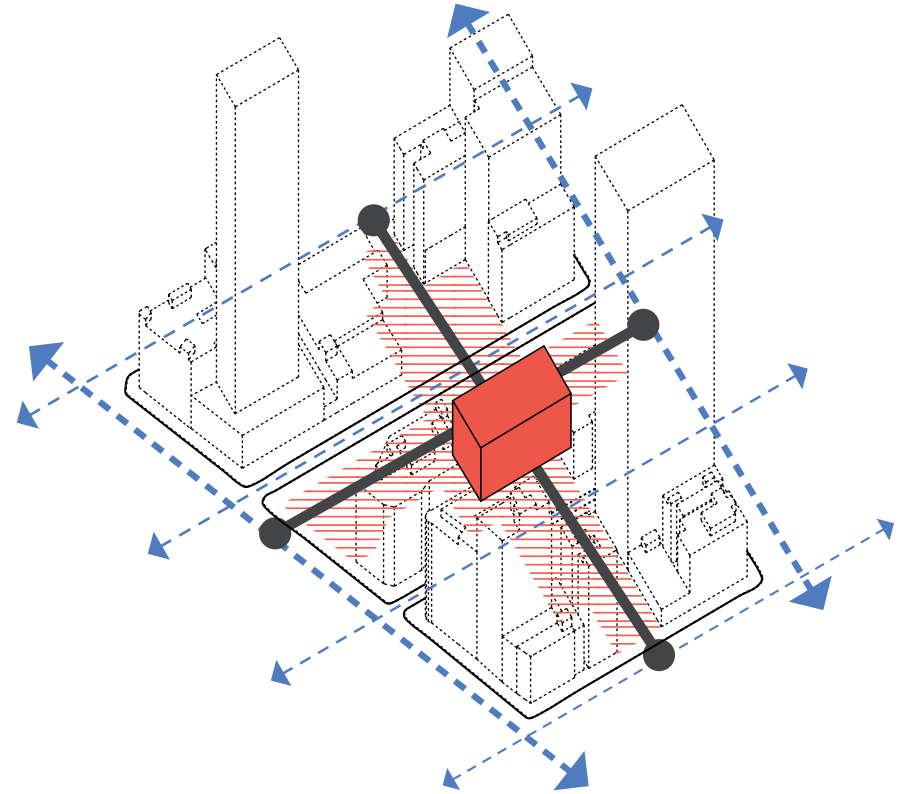
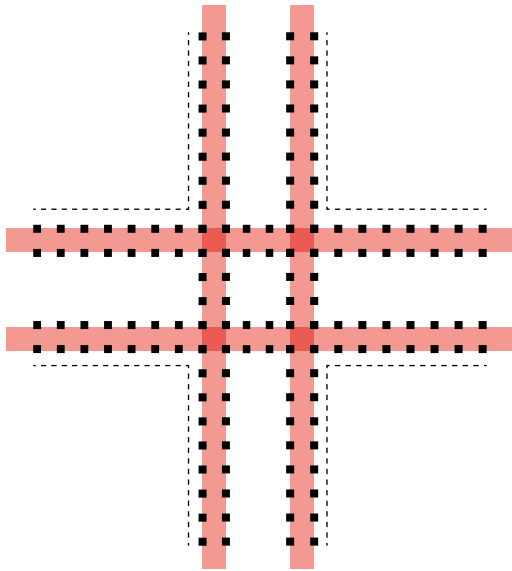
- ① Plazas connecting across streets
- ② Pocket plazas as arrival space
- ③ Integrating metro access from underground
- ④ Linkage through overhead passage

Structure grid orientates flow

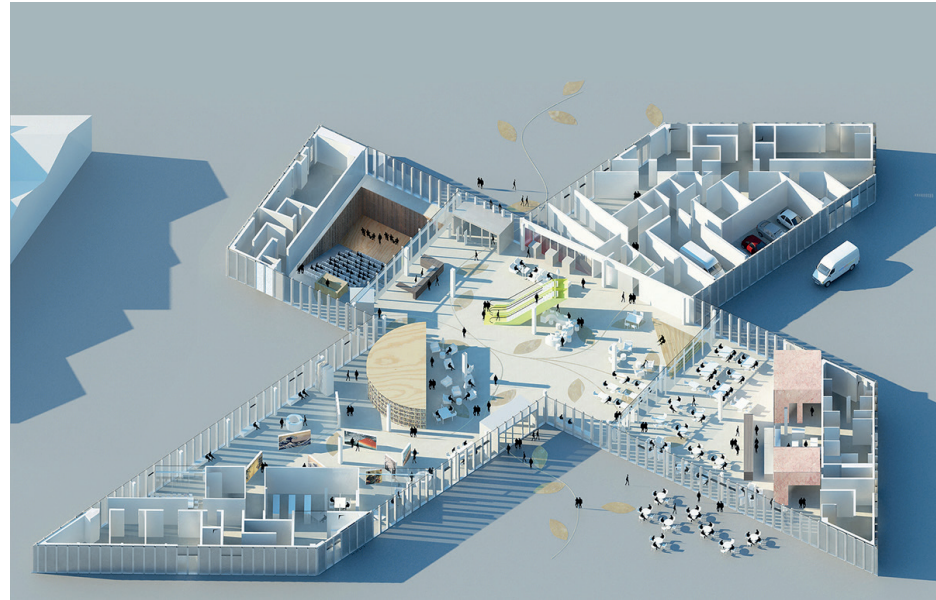
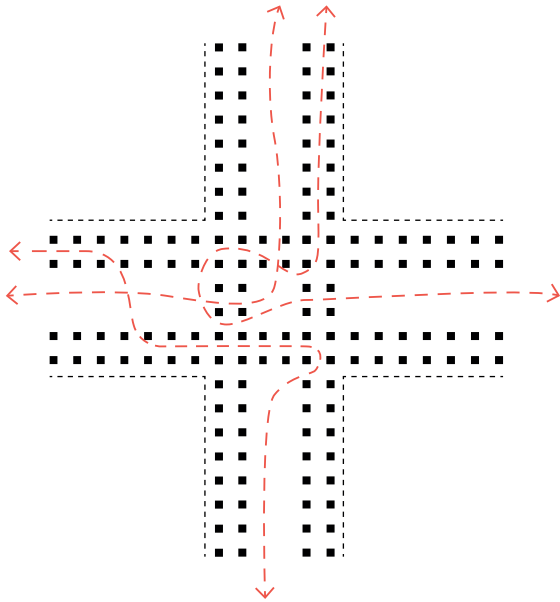


Cathedral Chartres

Structure grnd orientates flow -
Arcade typology facilitating pedestrianisation

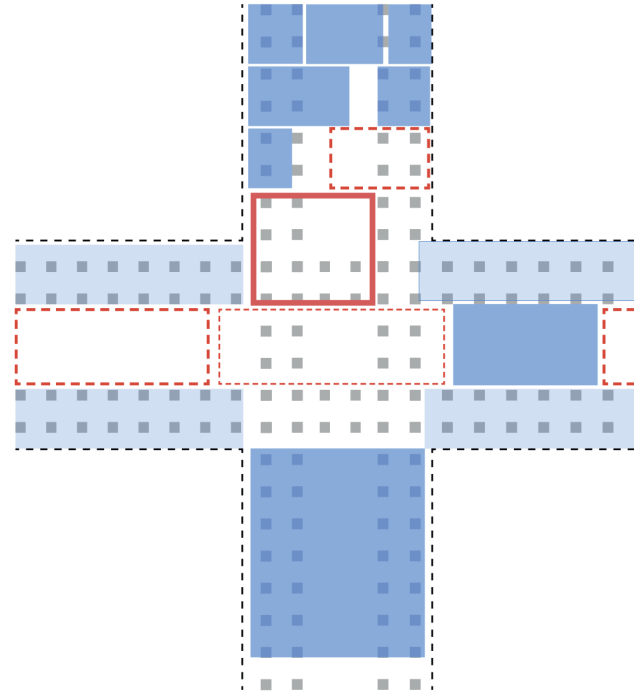
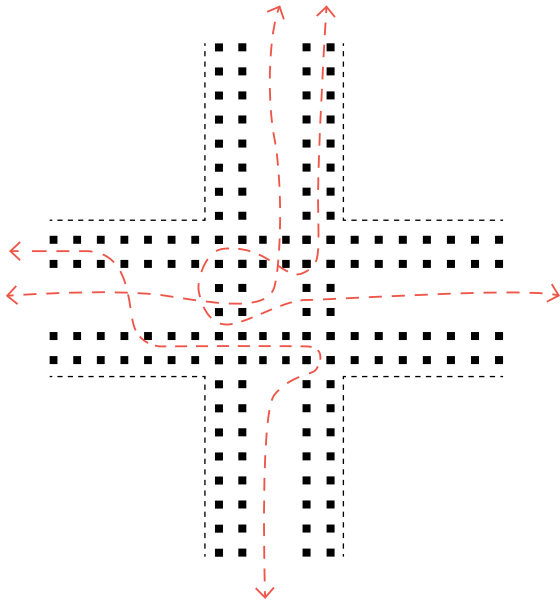


Free flow within the framework

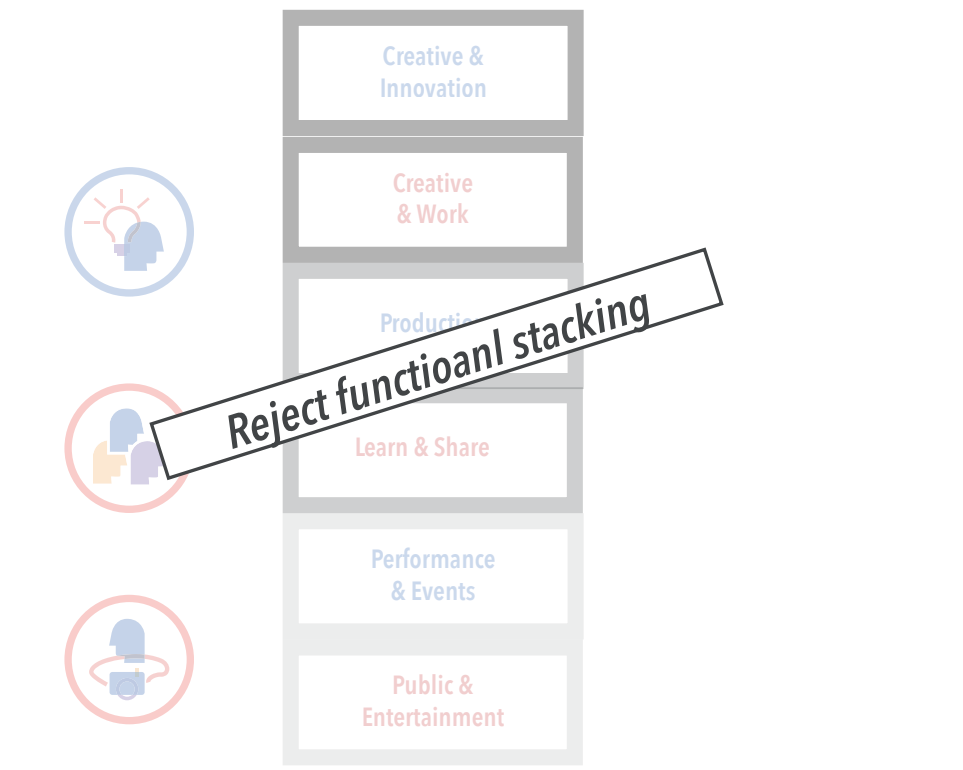


Bibliothèque Alexis de Tocqueville

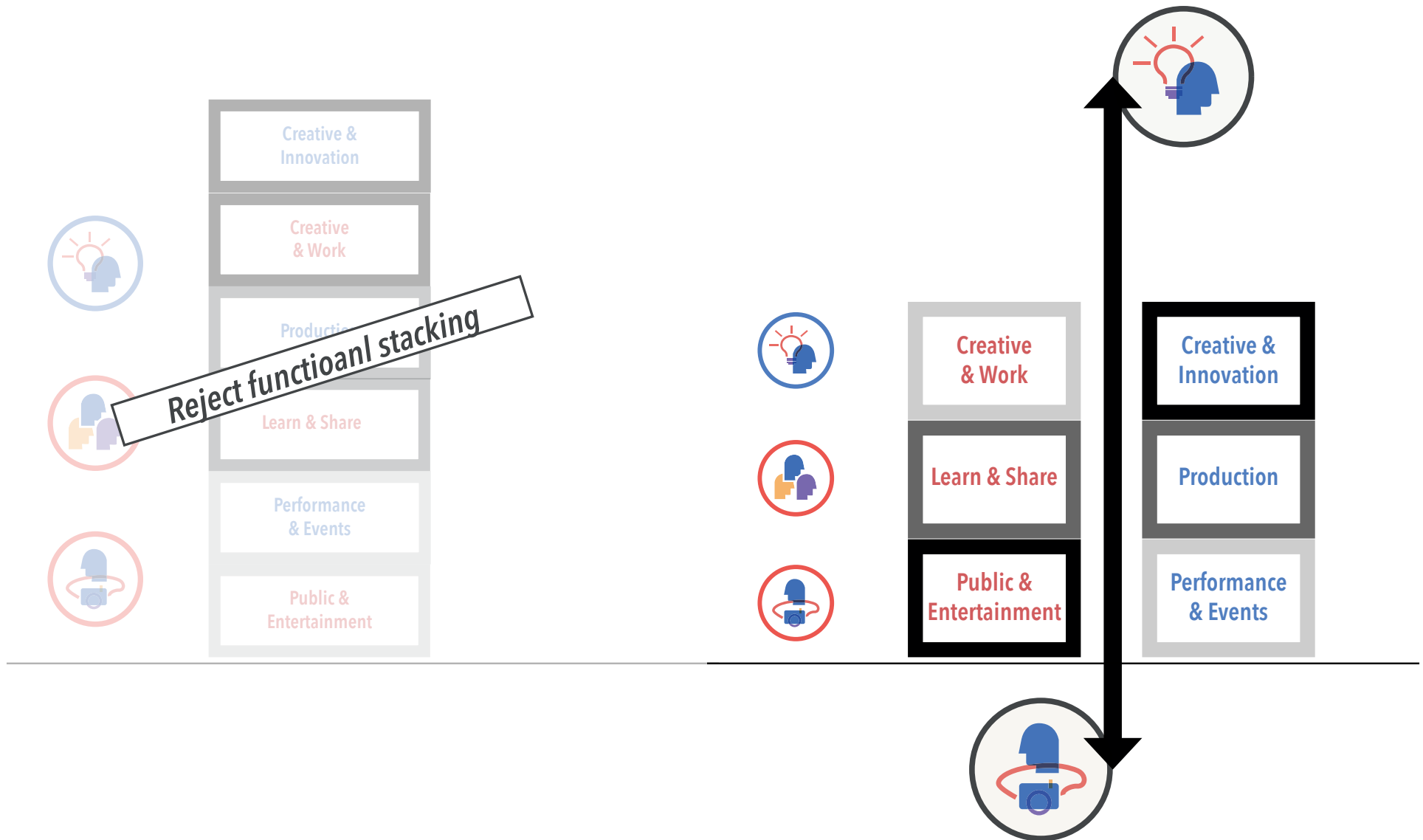
Free flow within the framework - Various functional cluster



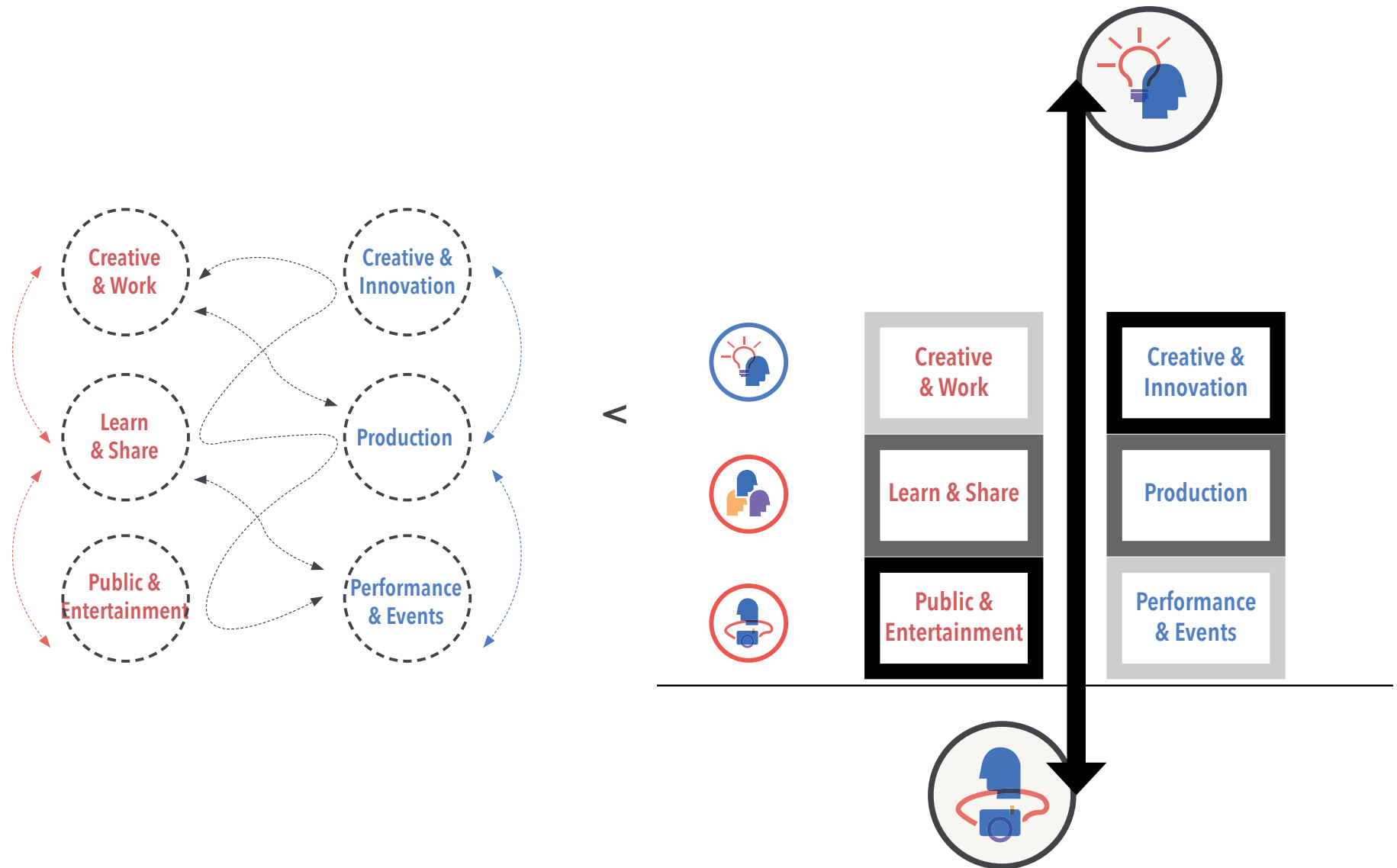
Dominal stacking



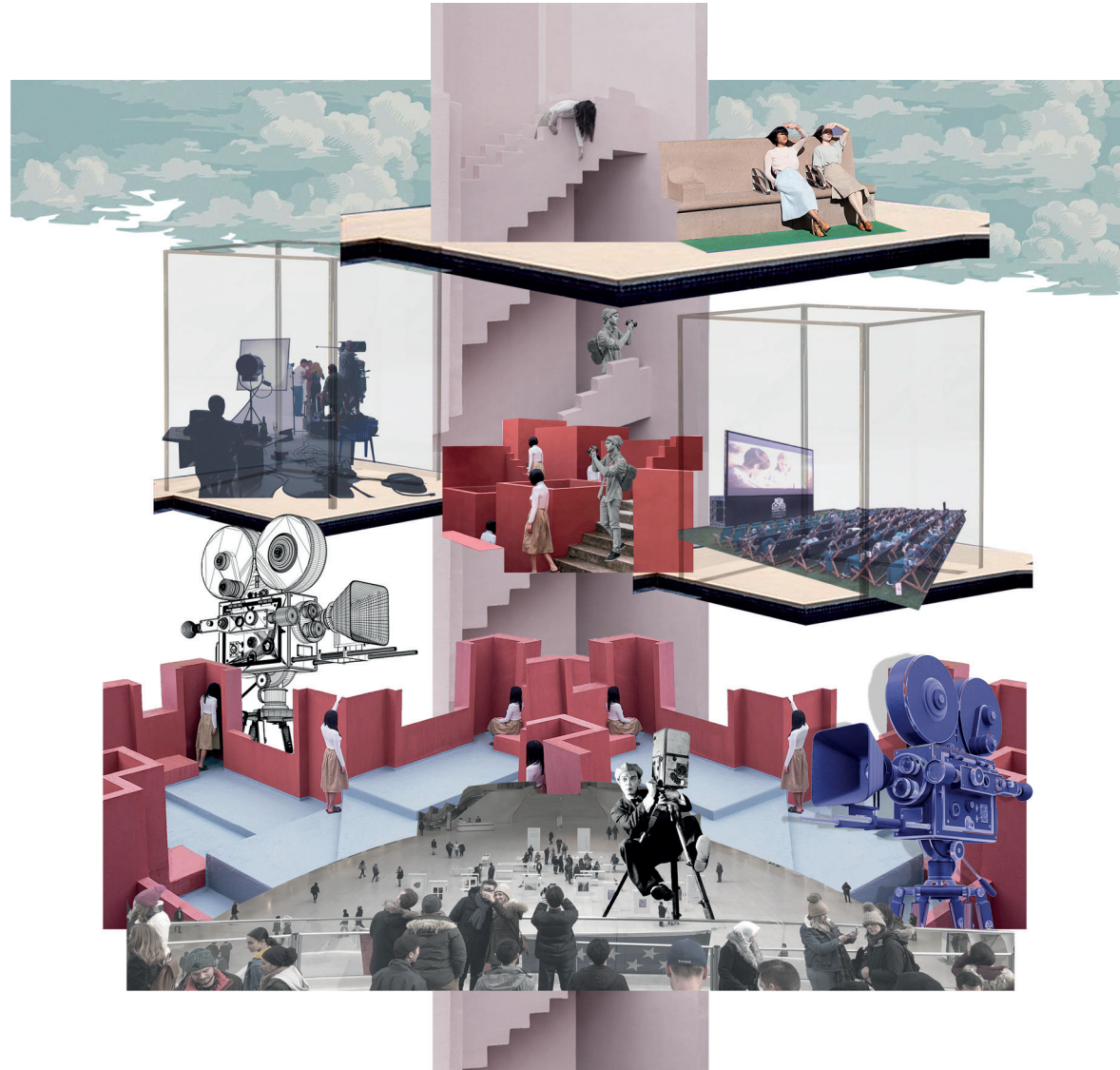
Dominal stacking



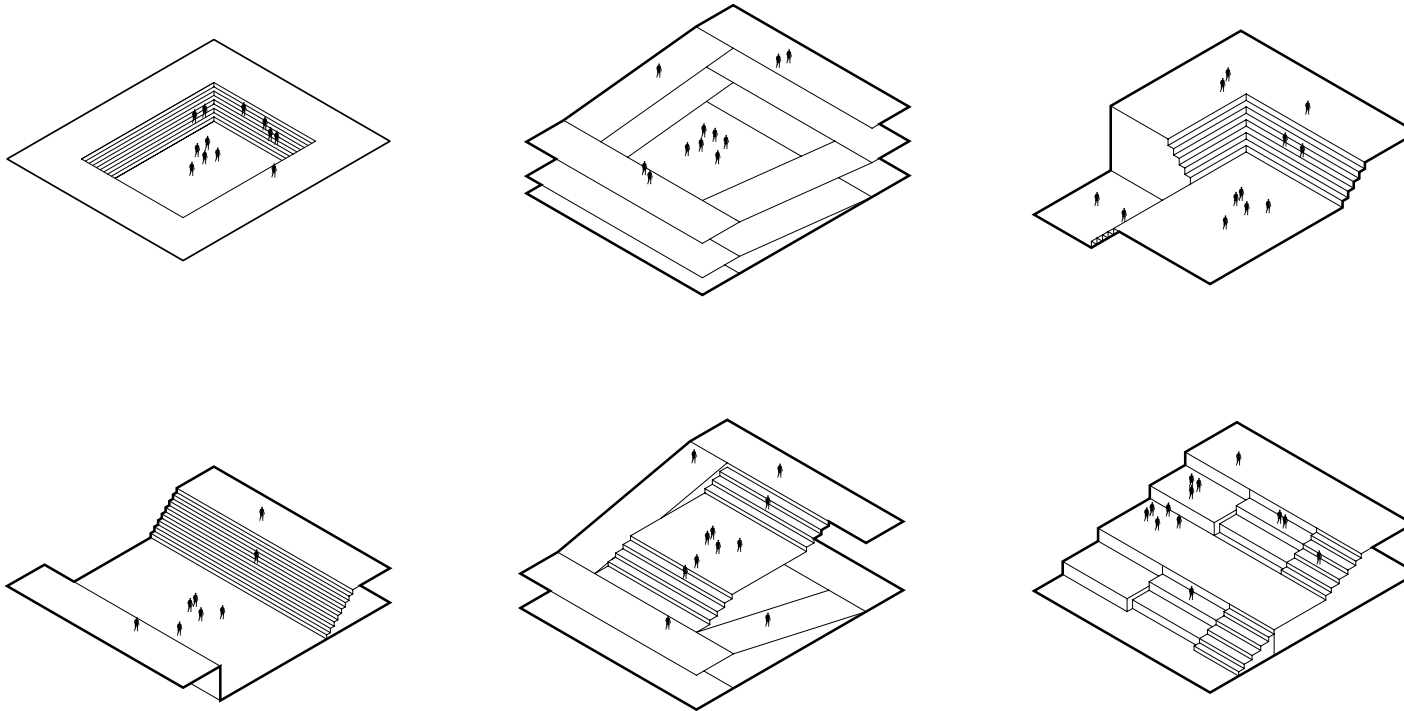
Self-referencing transition



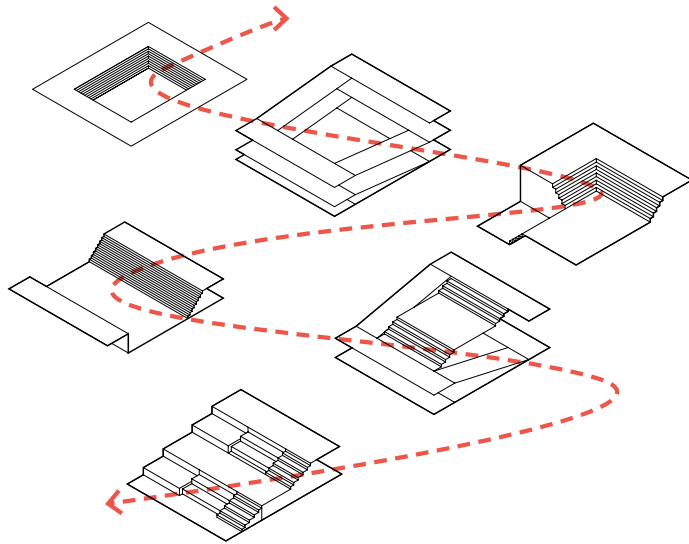
Self-referential 'Choreographic interior'



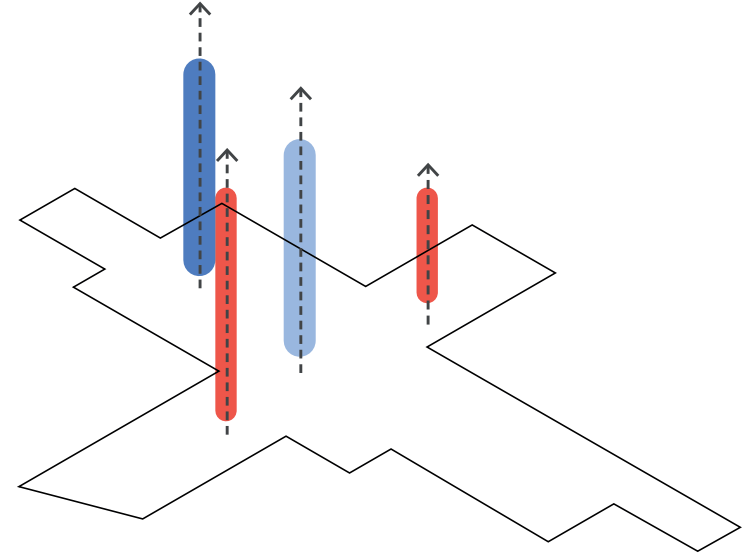
Stair typology in campus



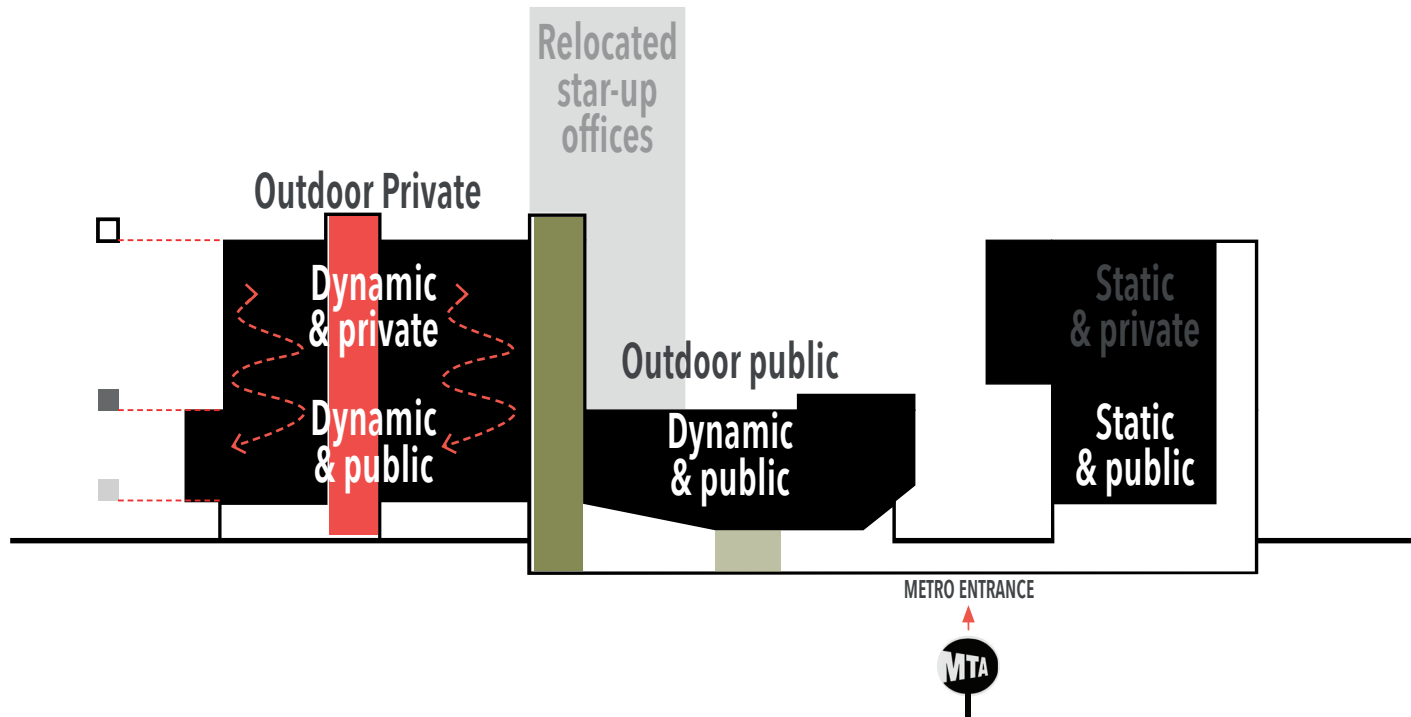
Integrated movements



+



Mid-rise urban campus



*campus typology,
city & site*

*program,
form & system*

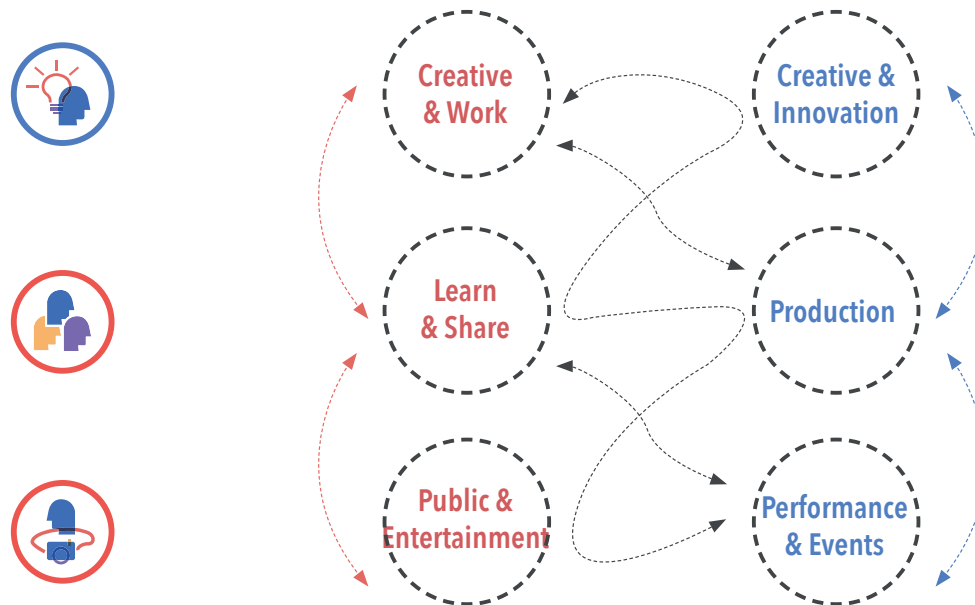
design

reflection

Dance film campus



Self-referencing transition





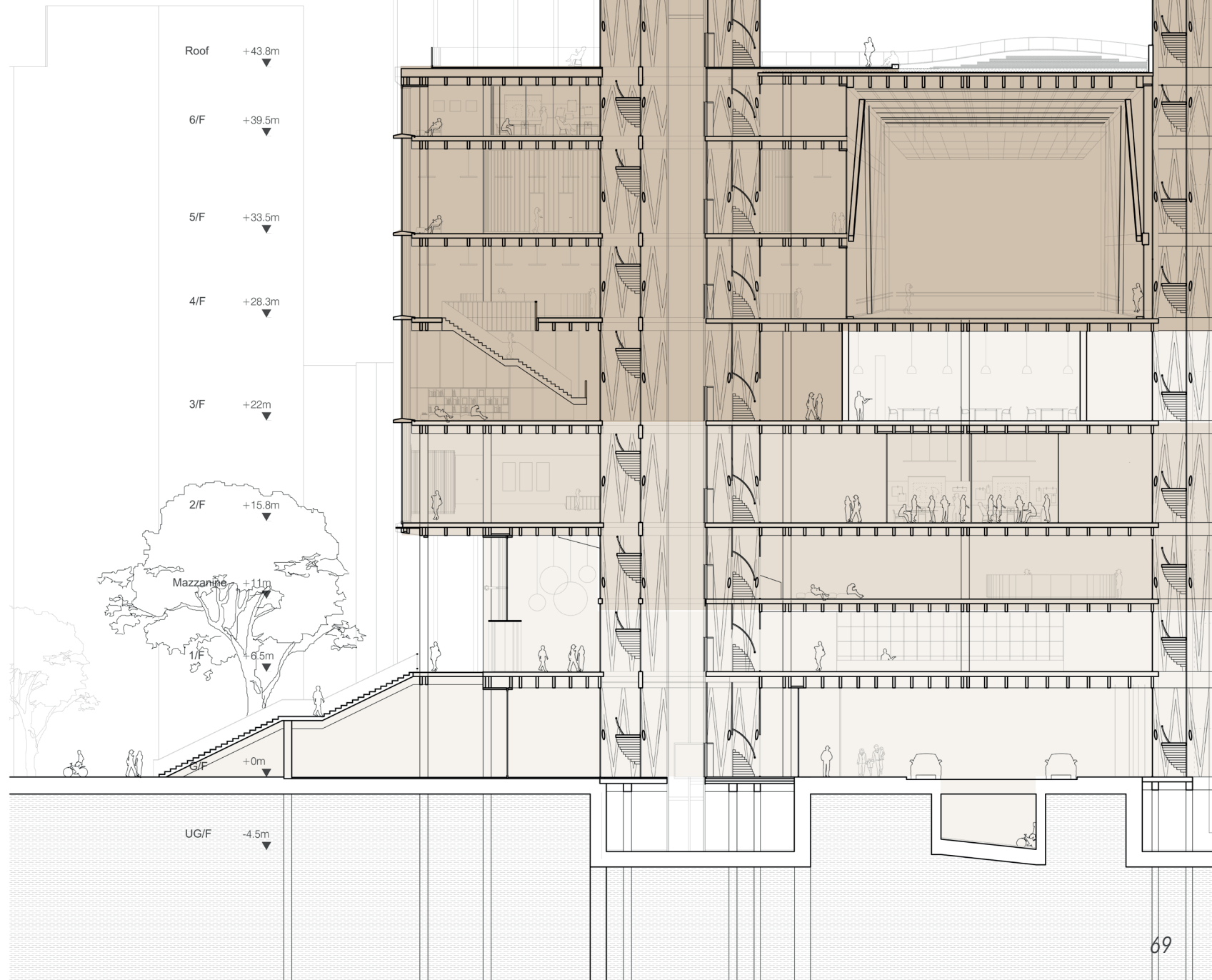
Dance film artists



Participants



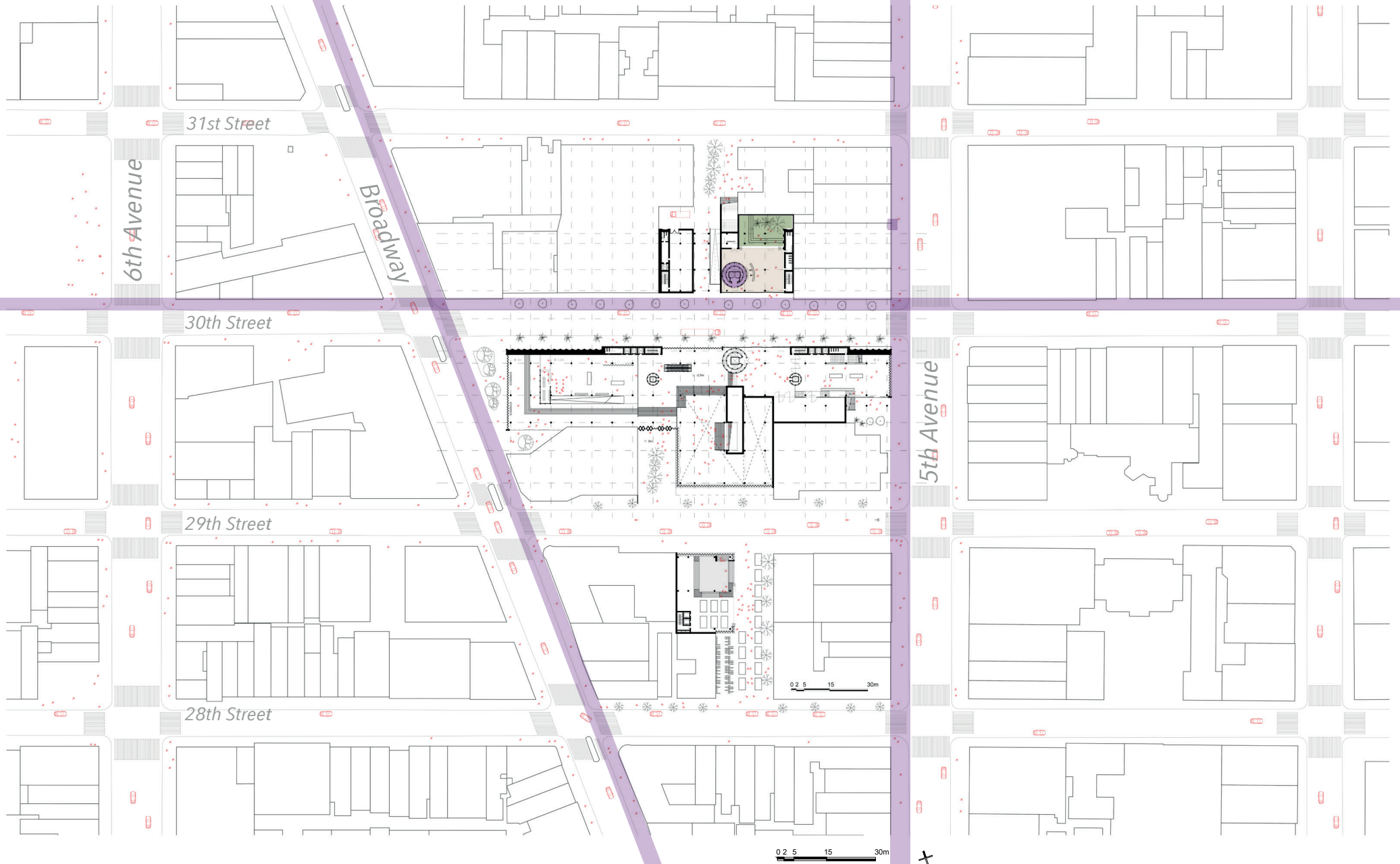
General public & visitors



start-up artists

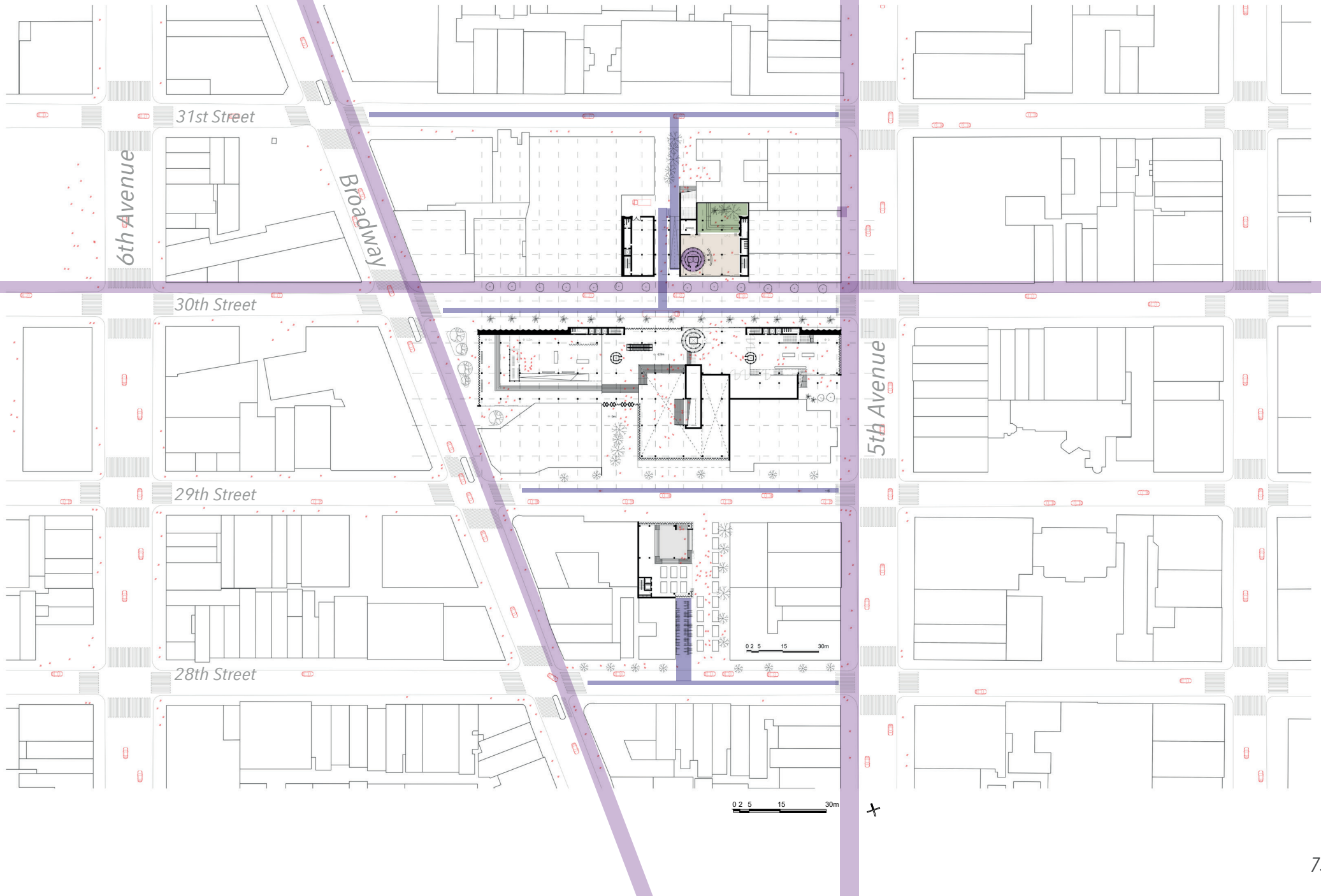


Access - G/F

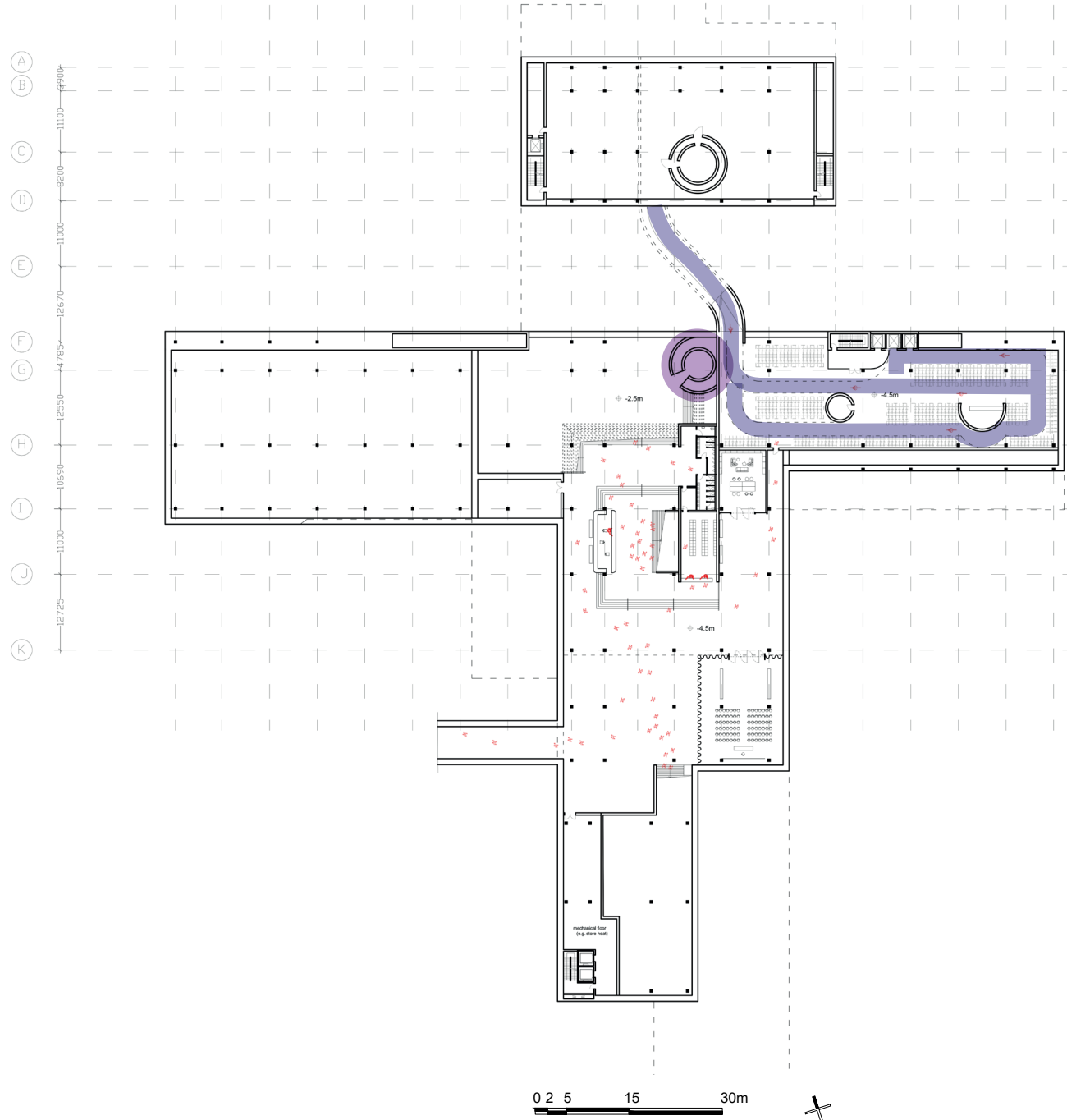




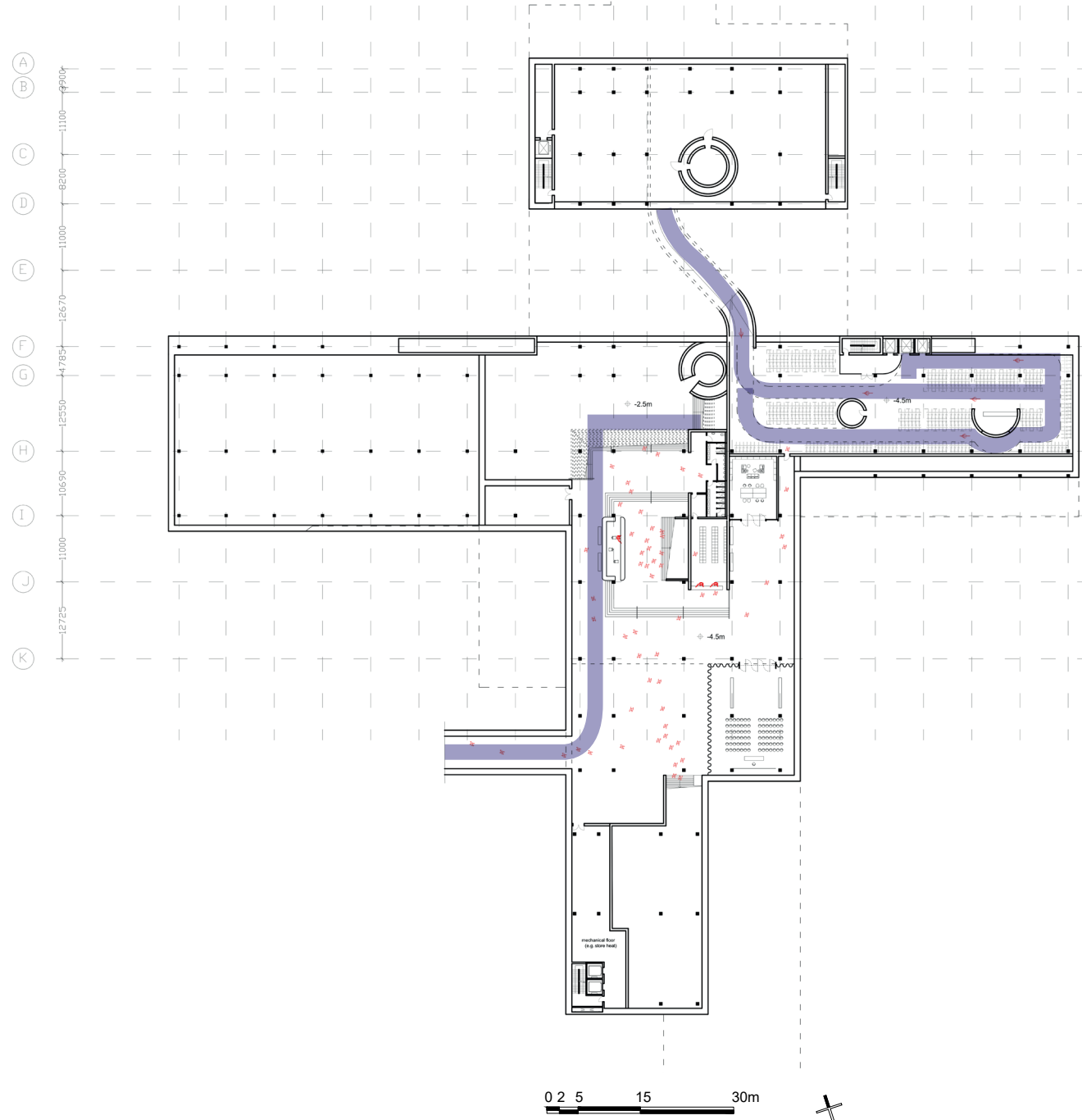
Access - G/F



Bike access - UG



Bike & metro access - UG

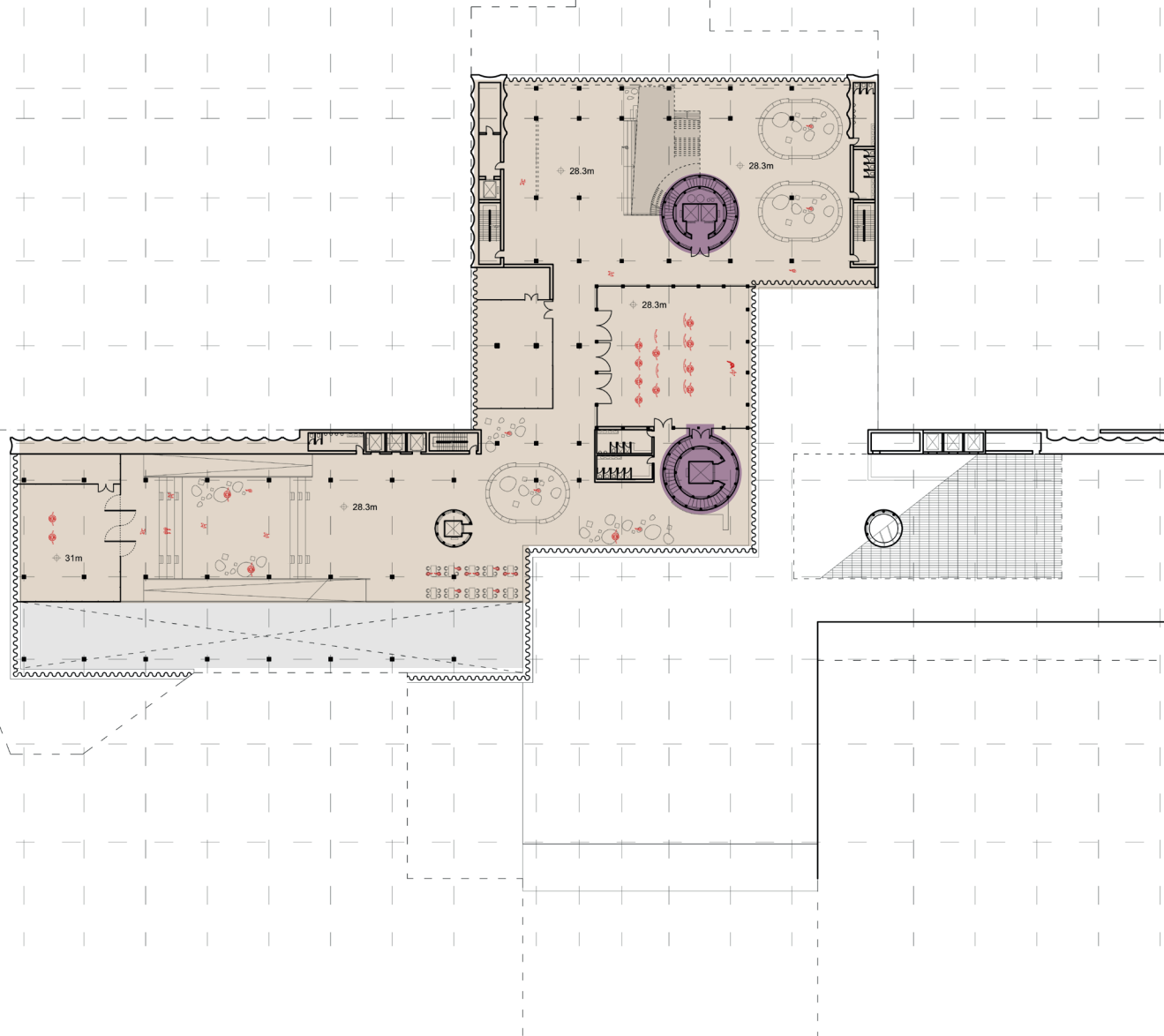




Start-up campus - 4/F

A
 B
 C
 D
 E
 F
 G
 H
 I
 J
 K

12725
 11000
 10690
 12550
 14785
 12670
 11000
 8200
 11100
 9900



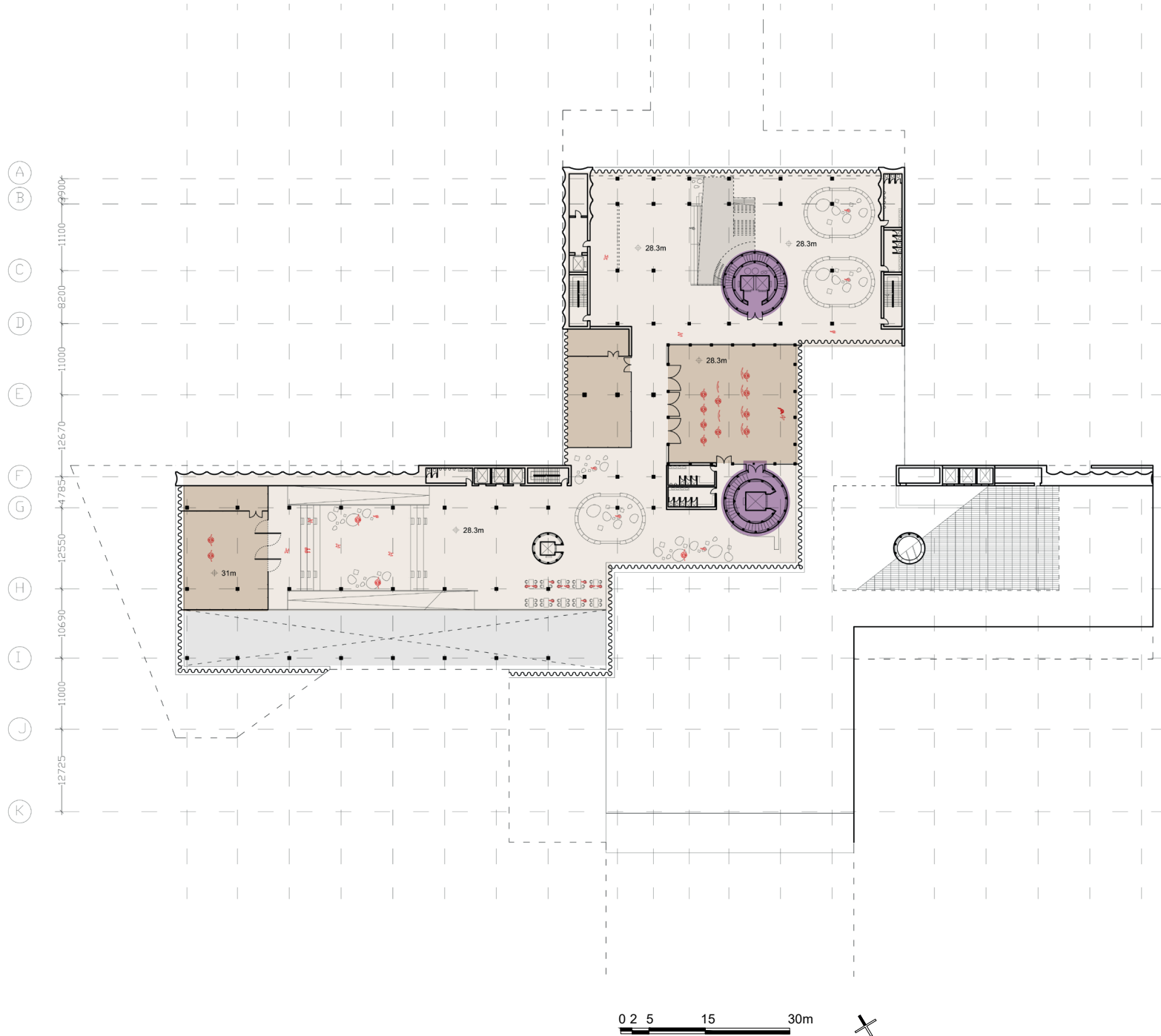
0 2 5 15 30m





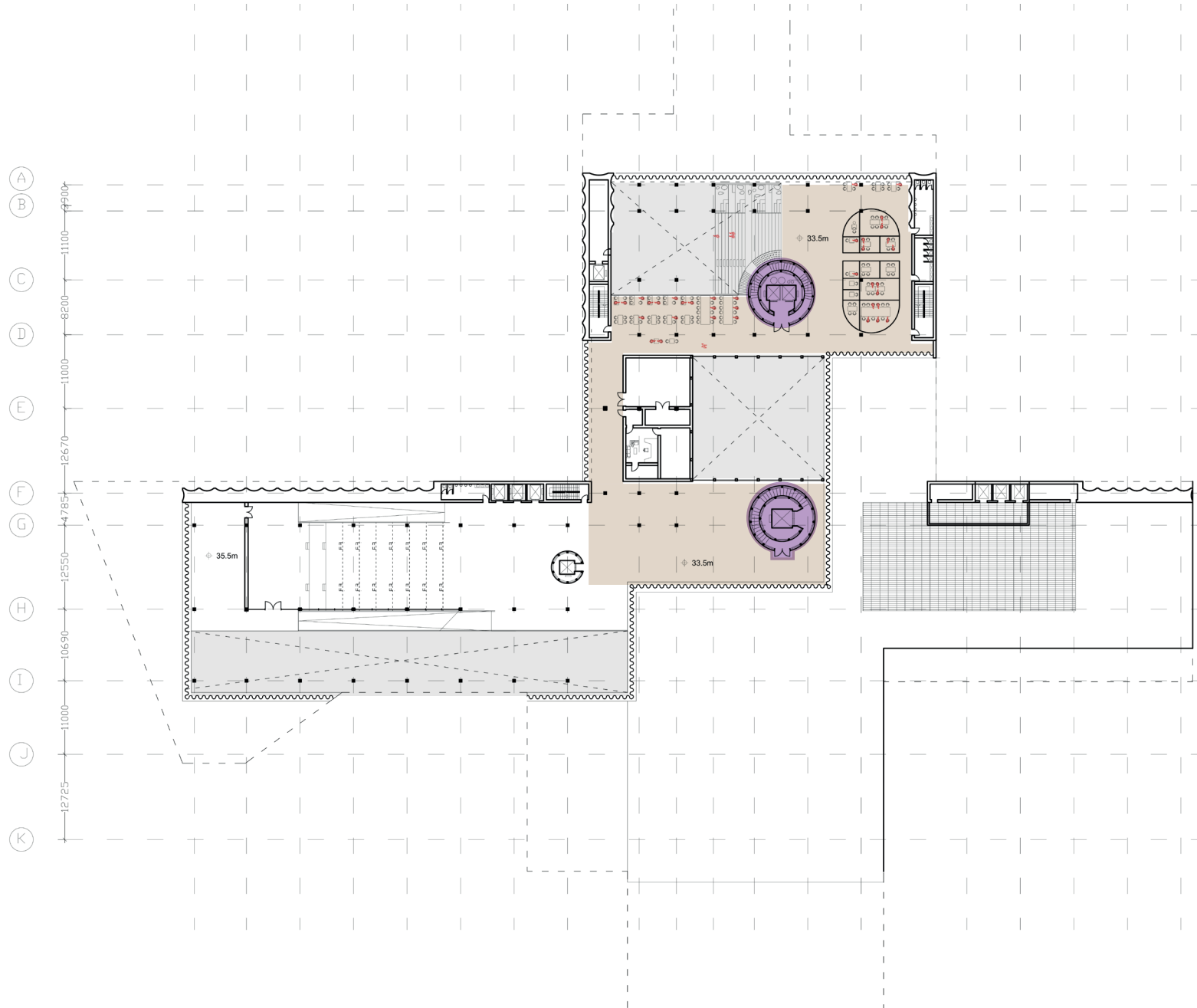


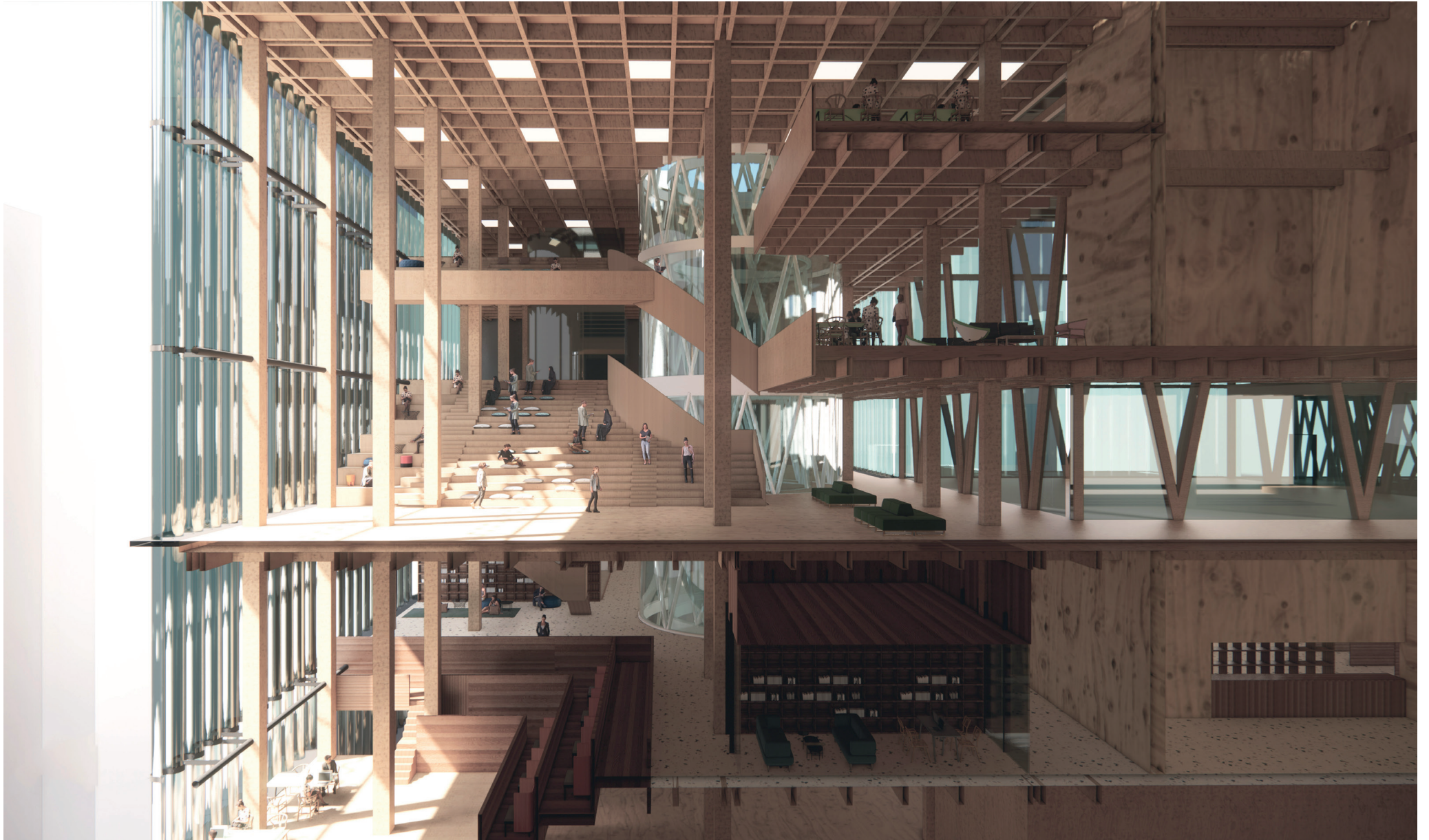
Visual linkage to urban fabric - *practice/rehearsal rooms - 4/F*



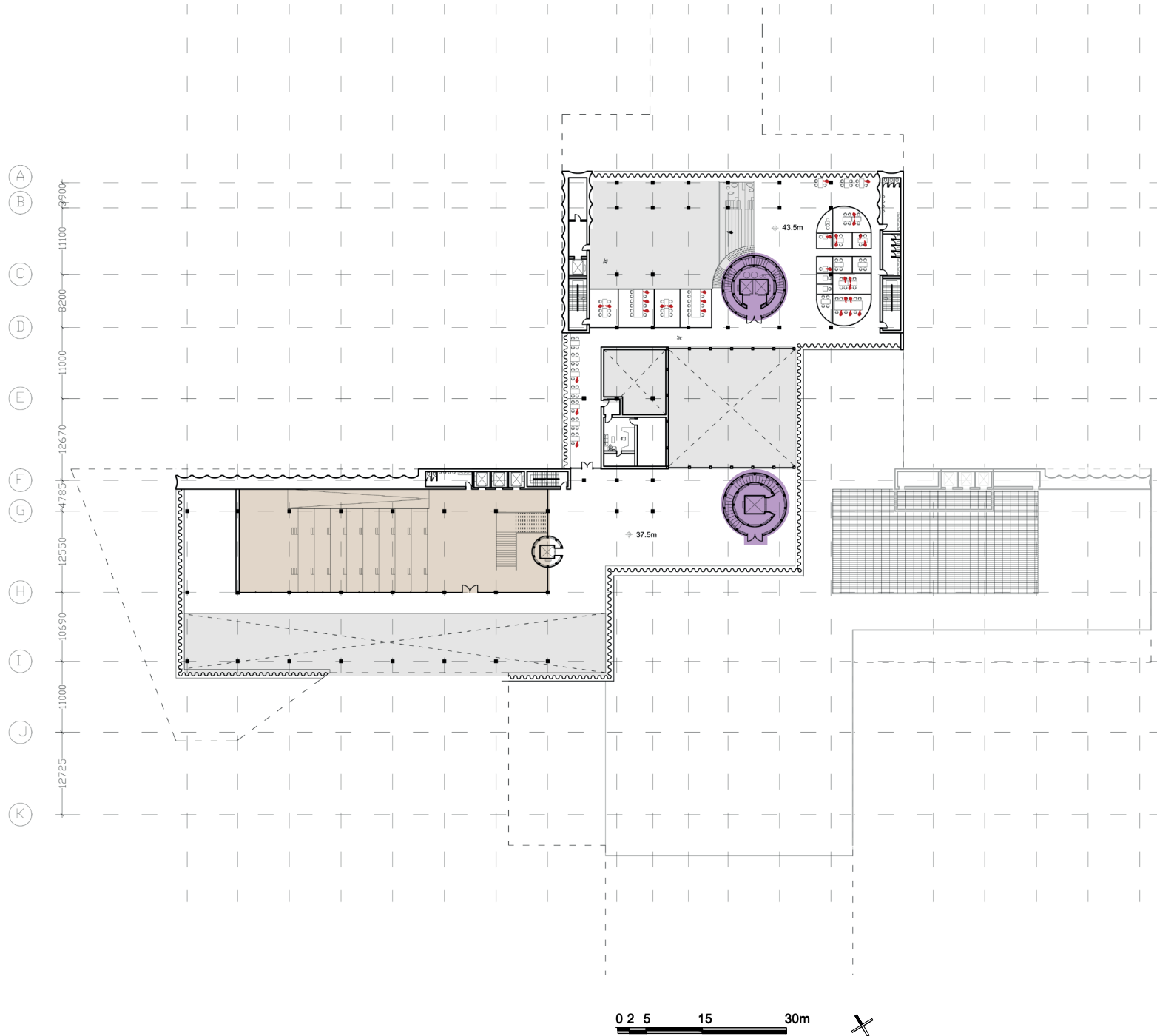


start-up studios - 5/F

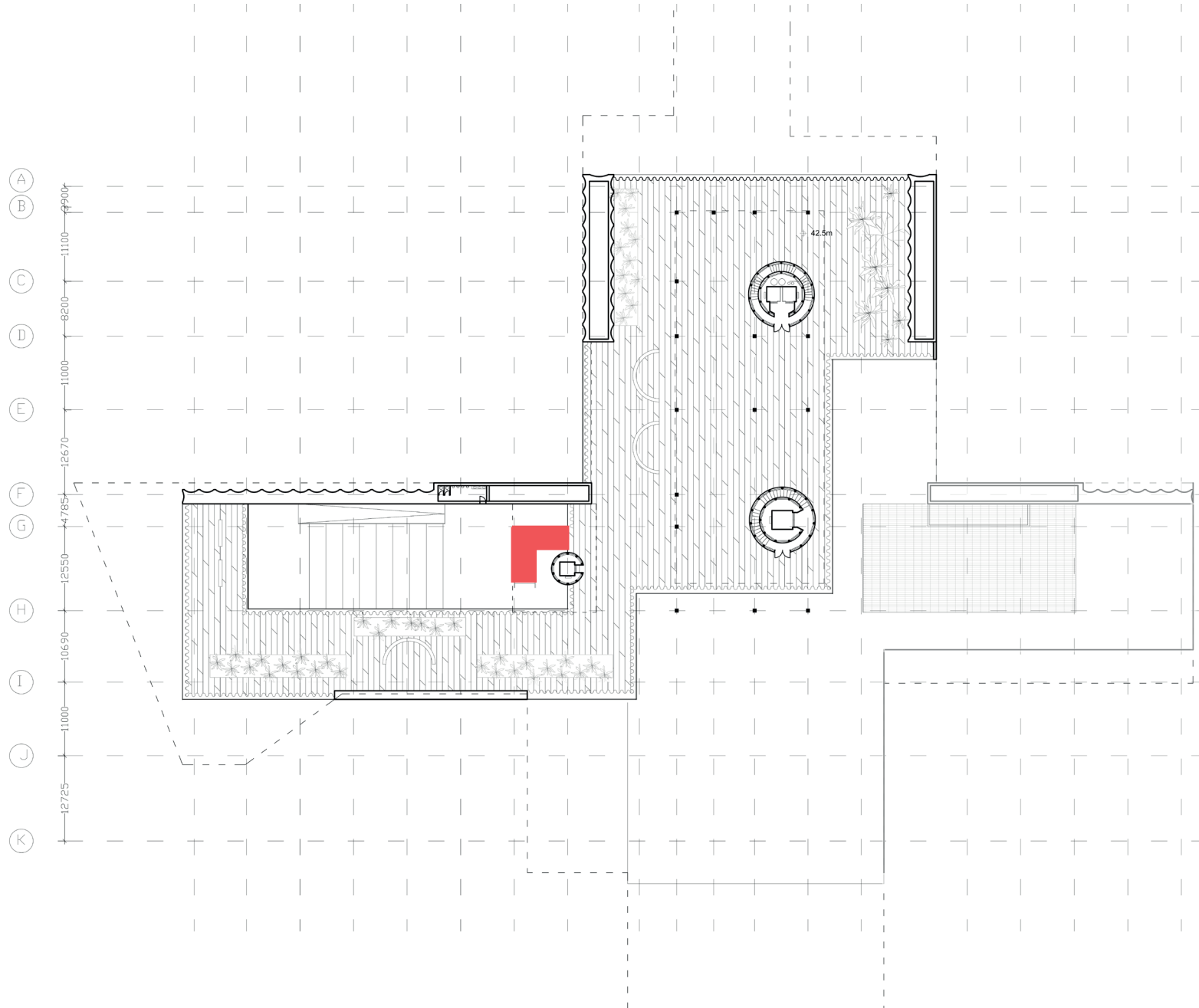




start-up studios & access to roof cinema - 6/F



Roof terrace & cinema



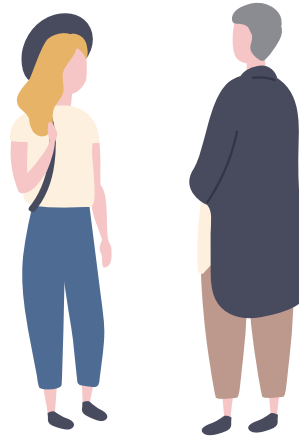
0 2 5 15 30m



participants



Visitors



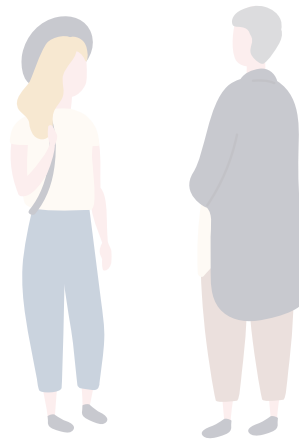
general public(urban)



participants



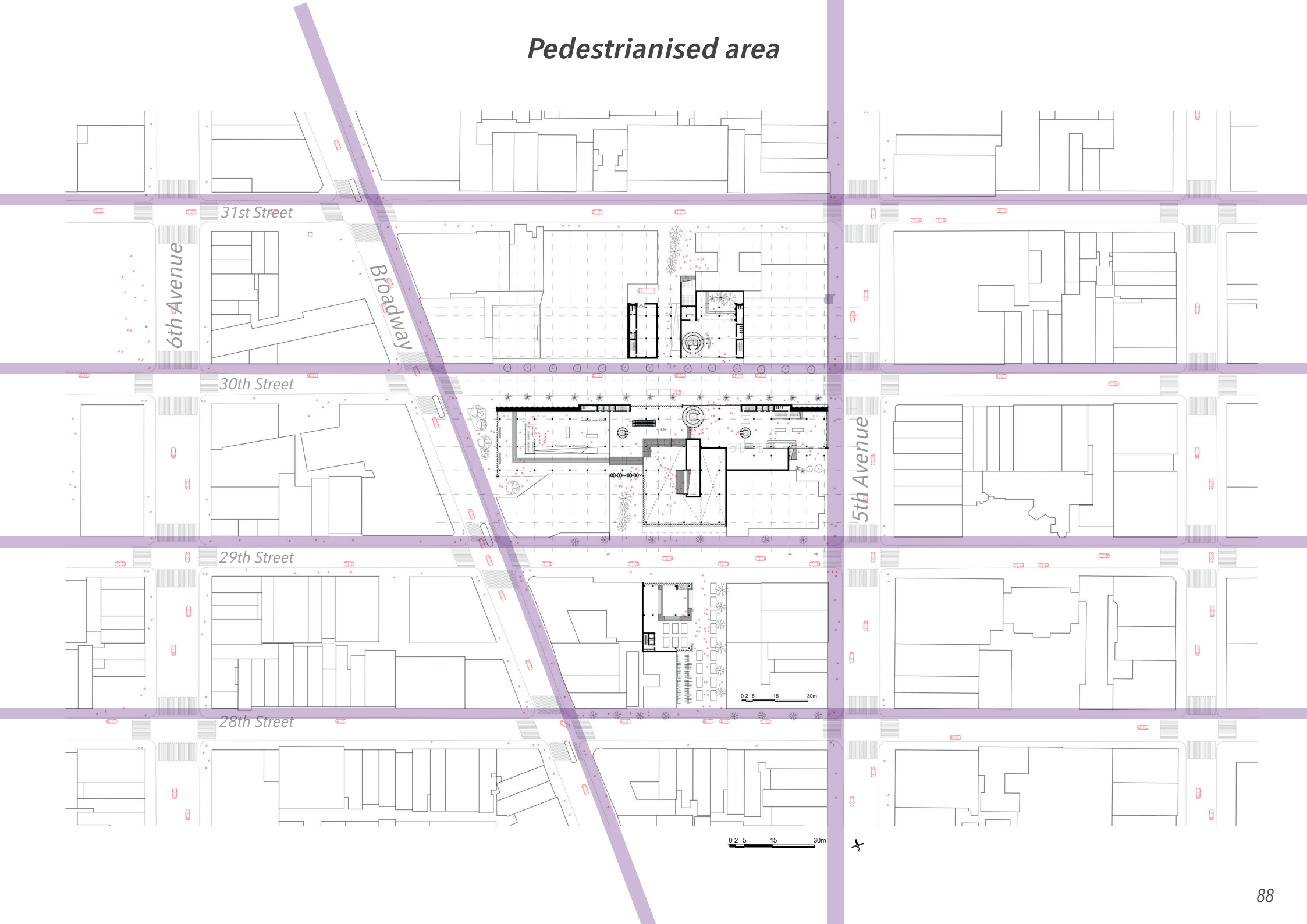
Visitors



general public(urban)

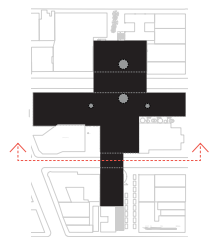
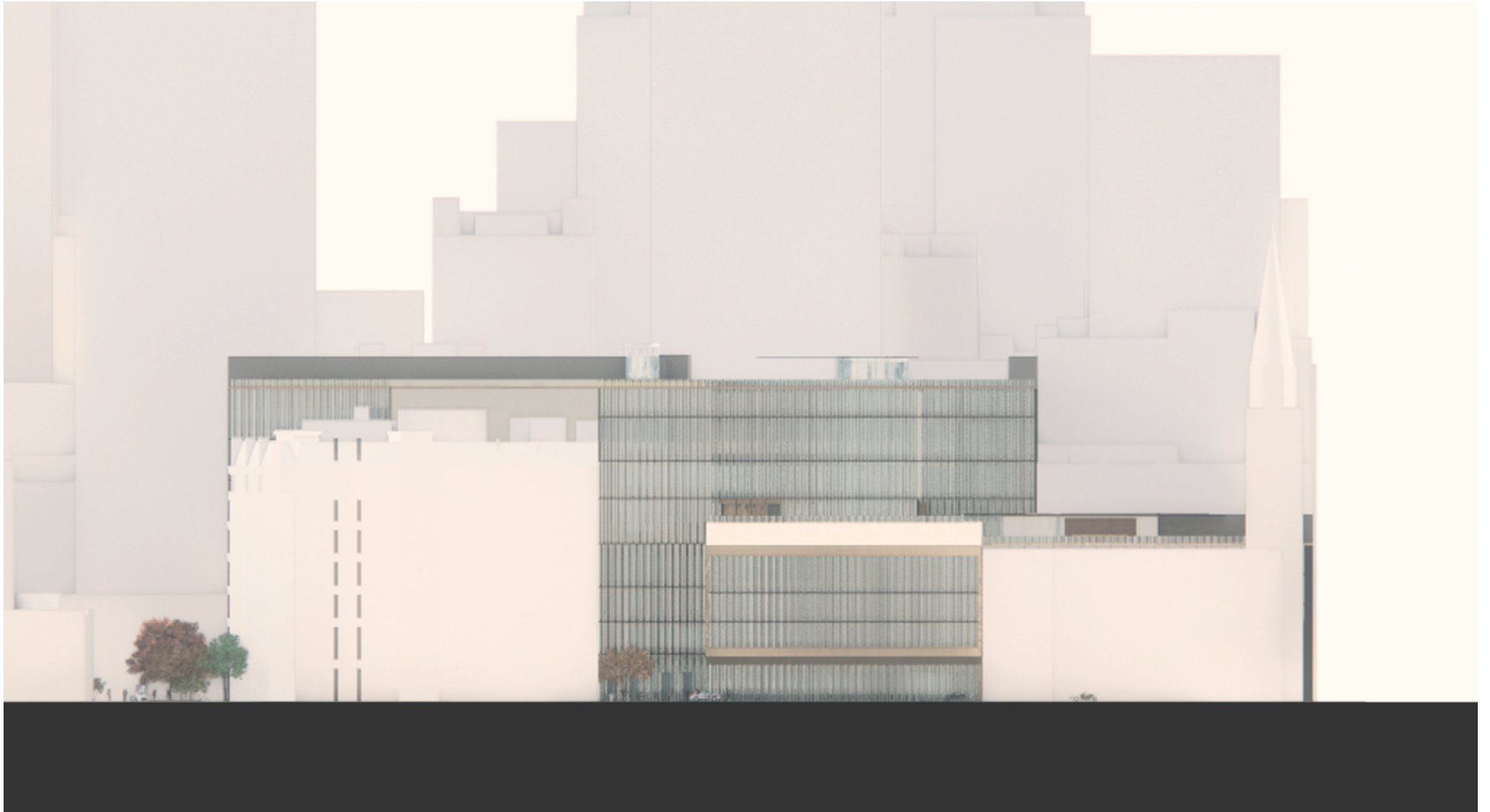


Pedestrianised area

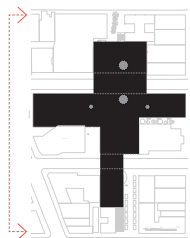
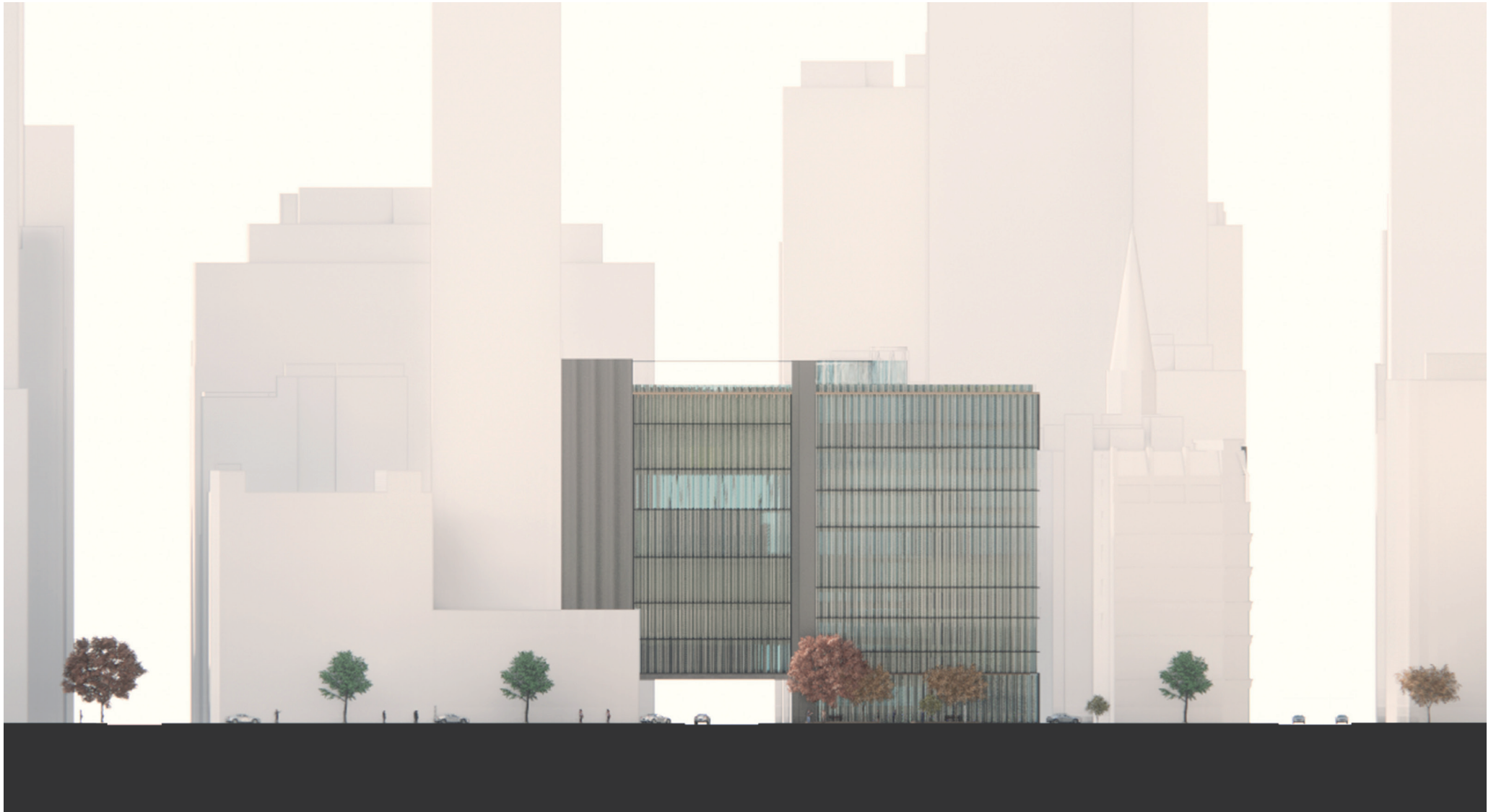


Plazas & parks







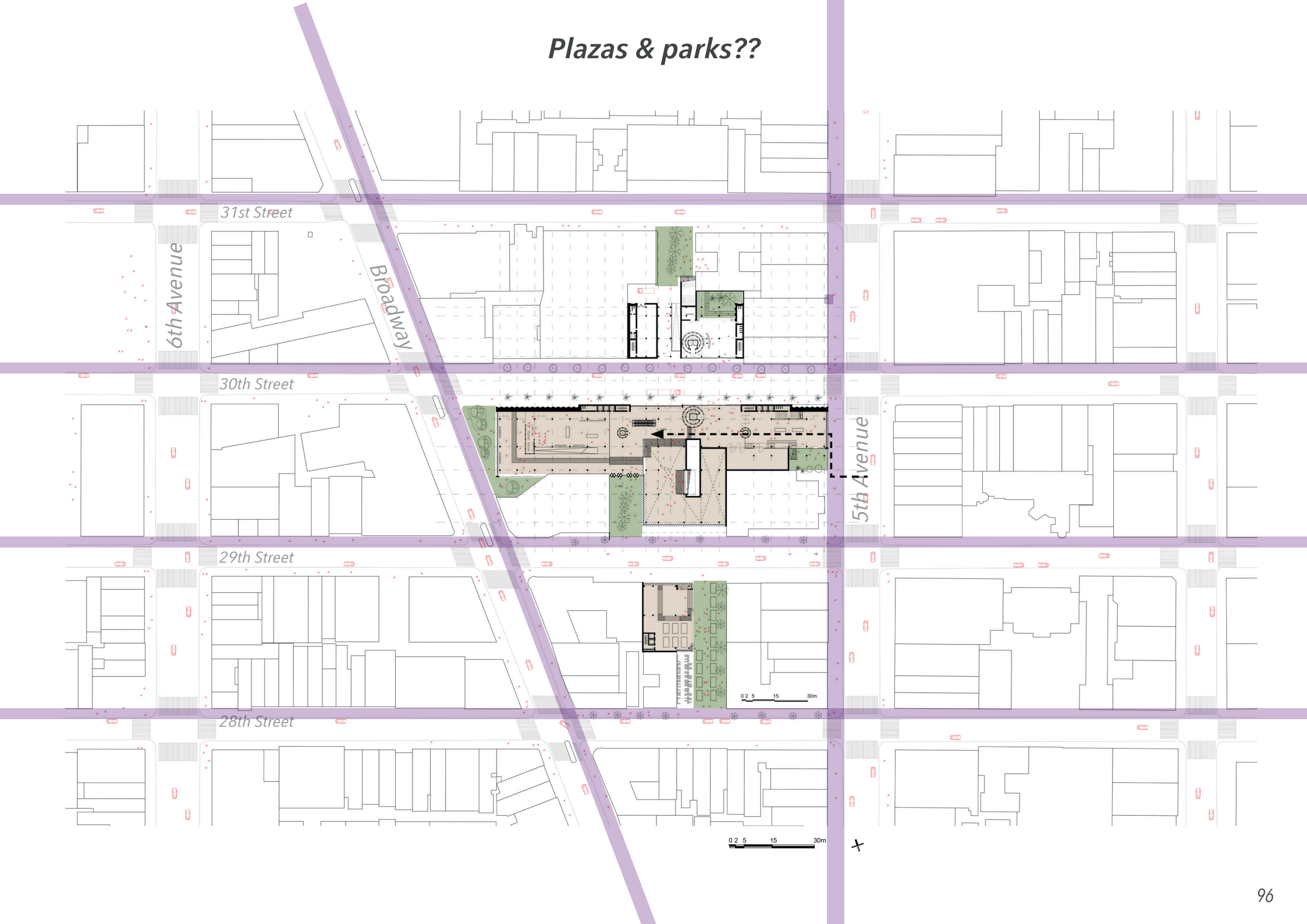








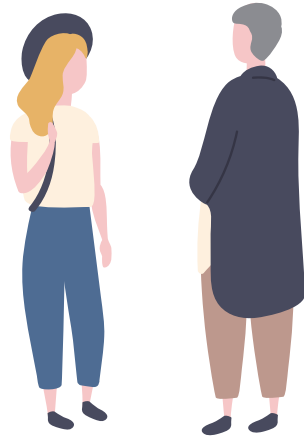
Plazas & parks??



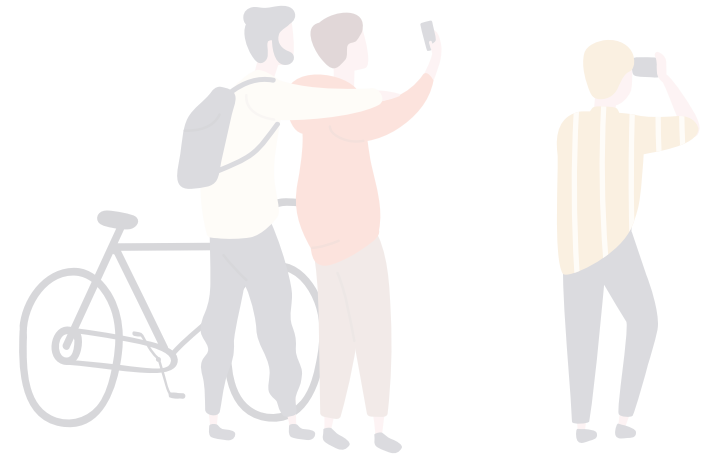
participants



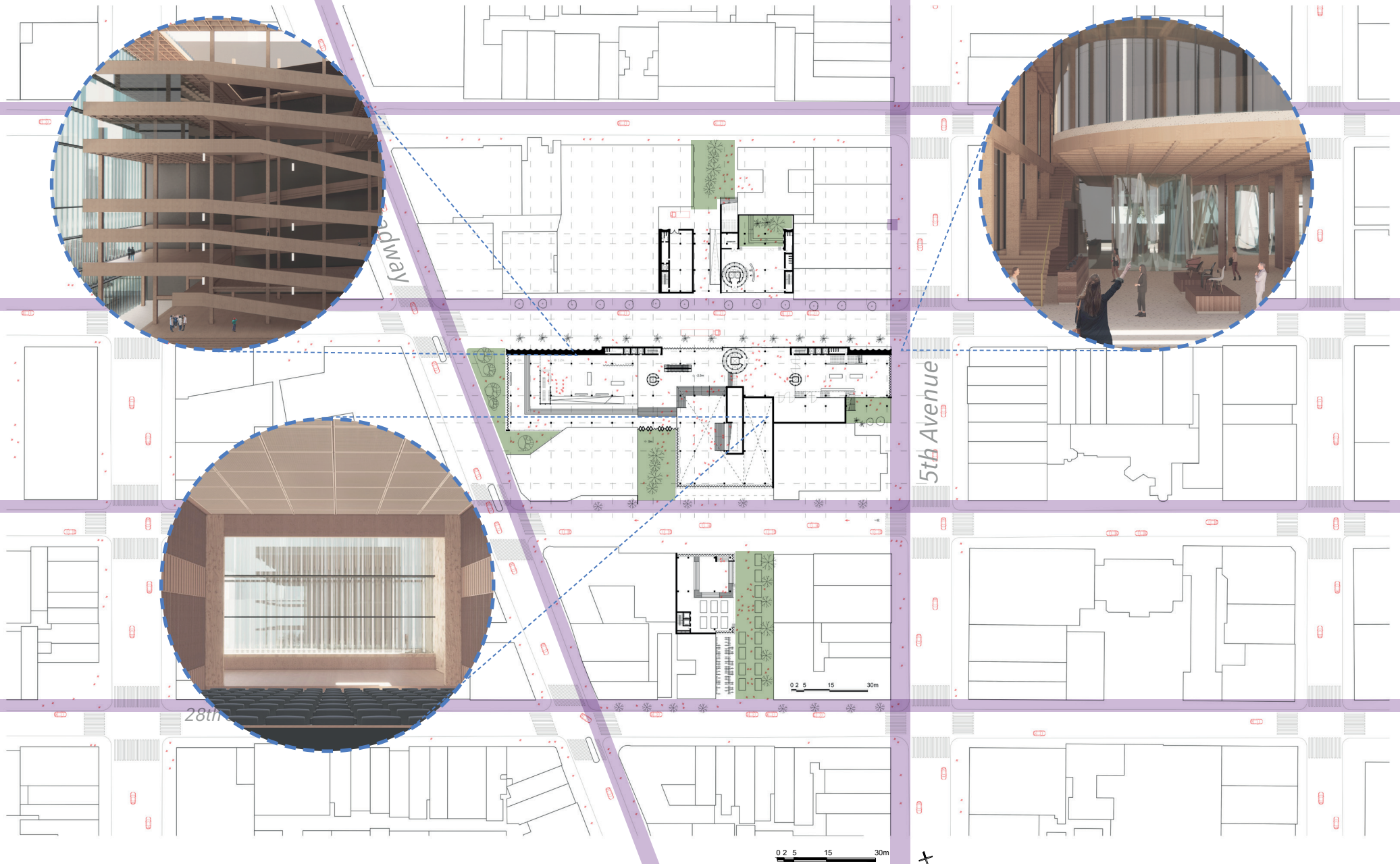
Visitors

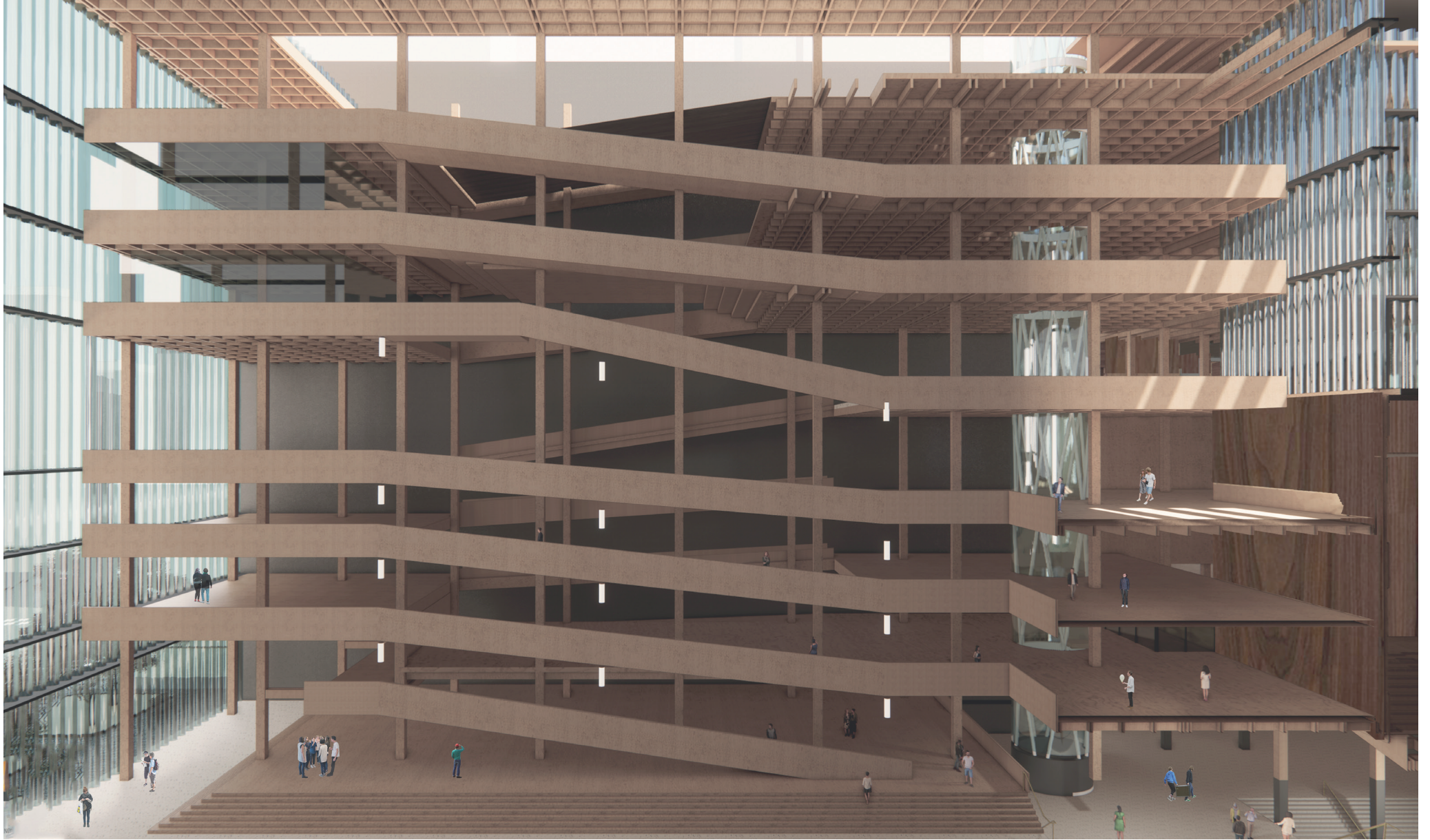


general public(urban)



Public activities

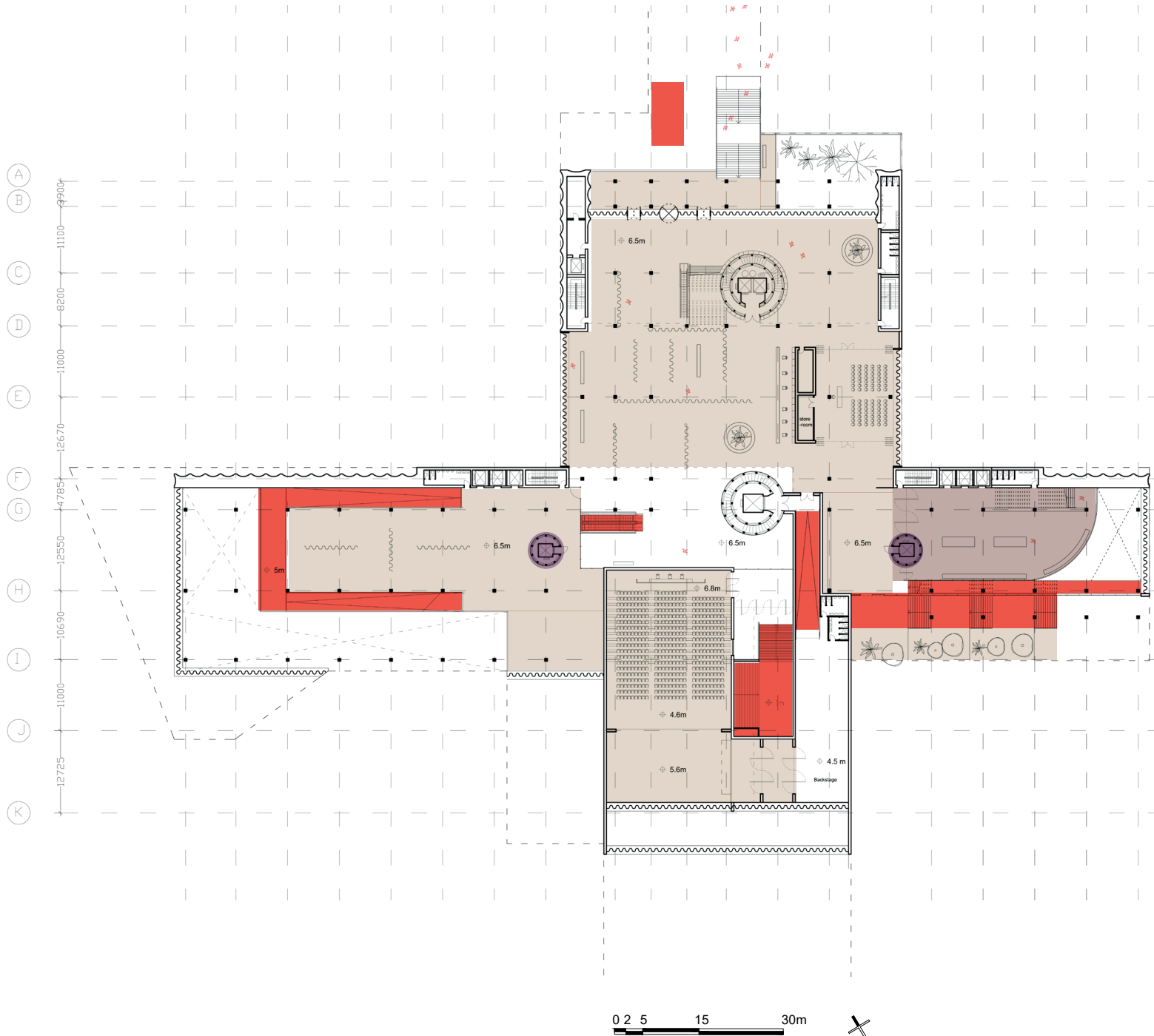




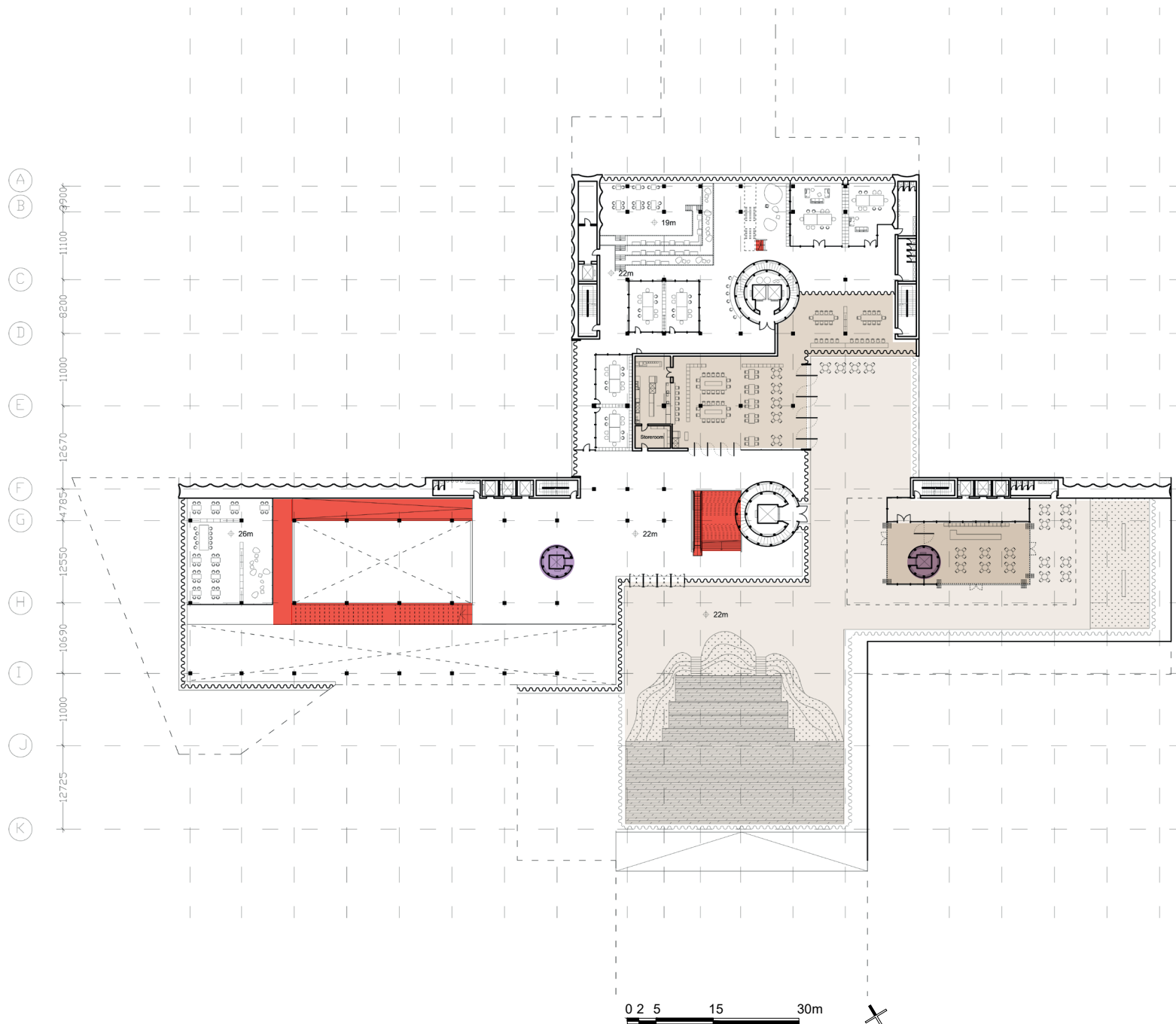


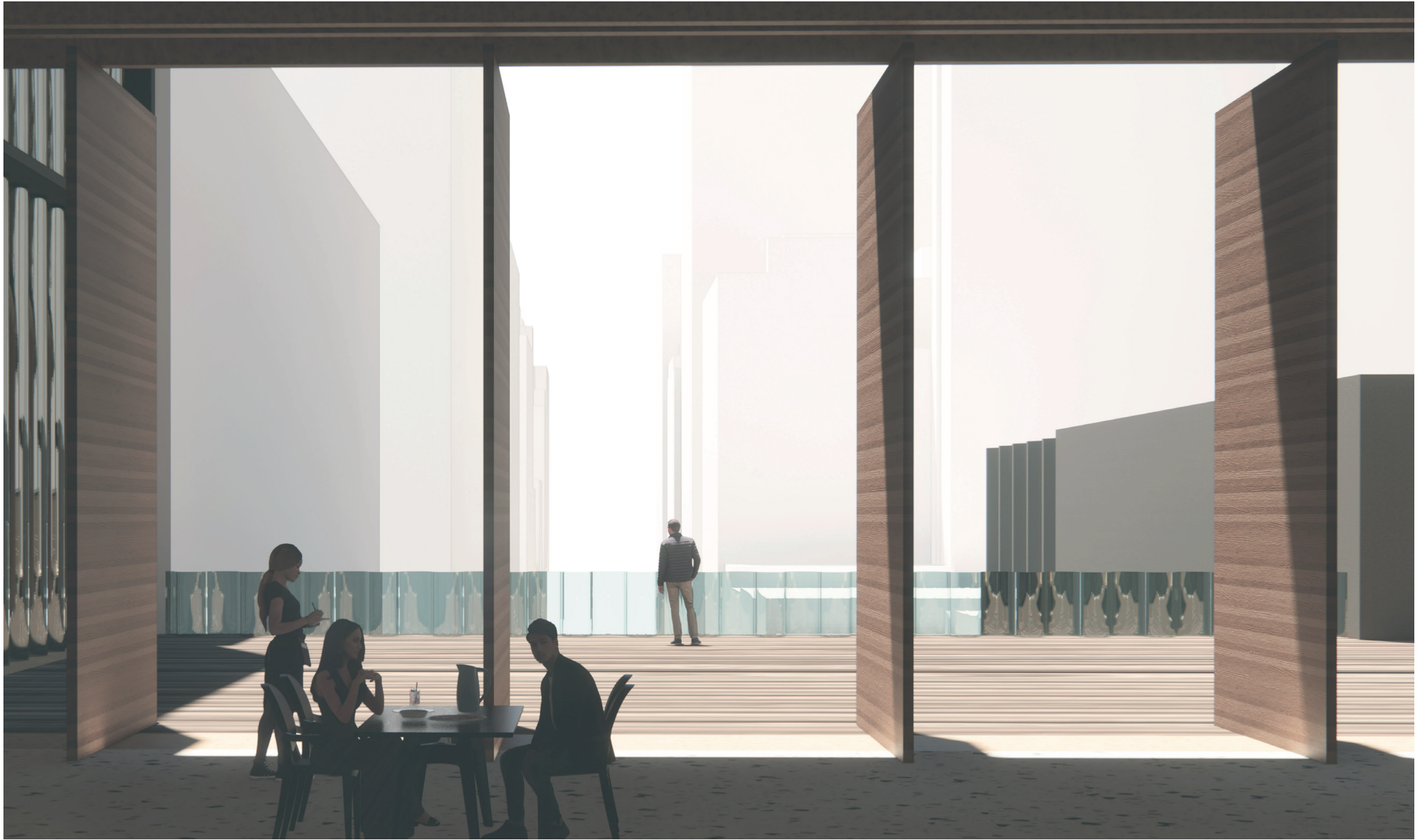


Flexibilities on at & around 'loggia' - 1/F



Urban platform - Event space, restaurant & bar - 3/F

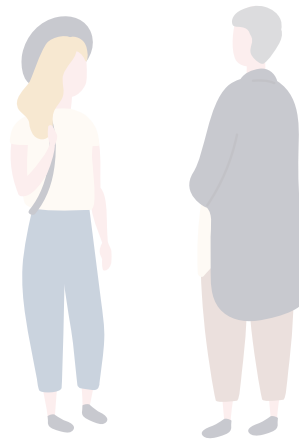




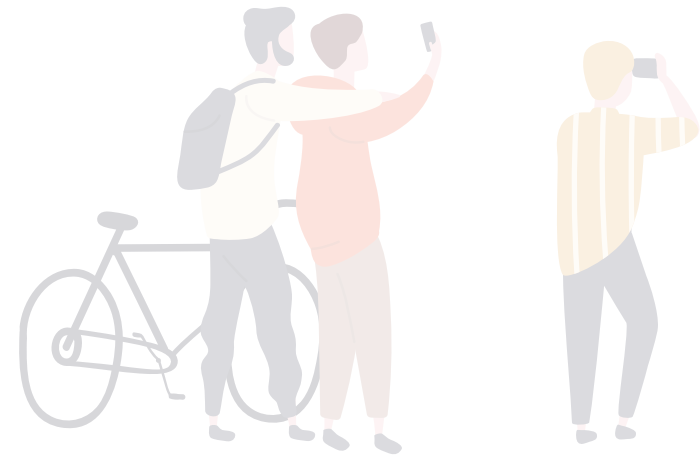
participants



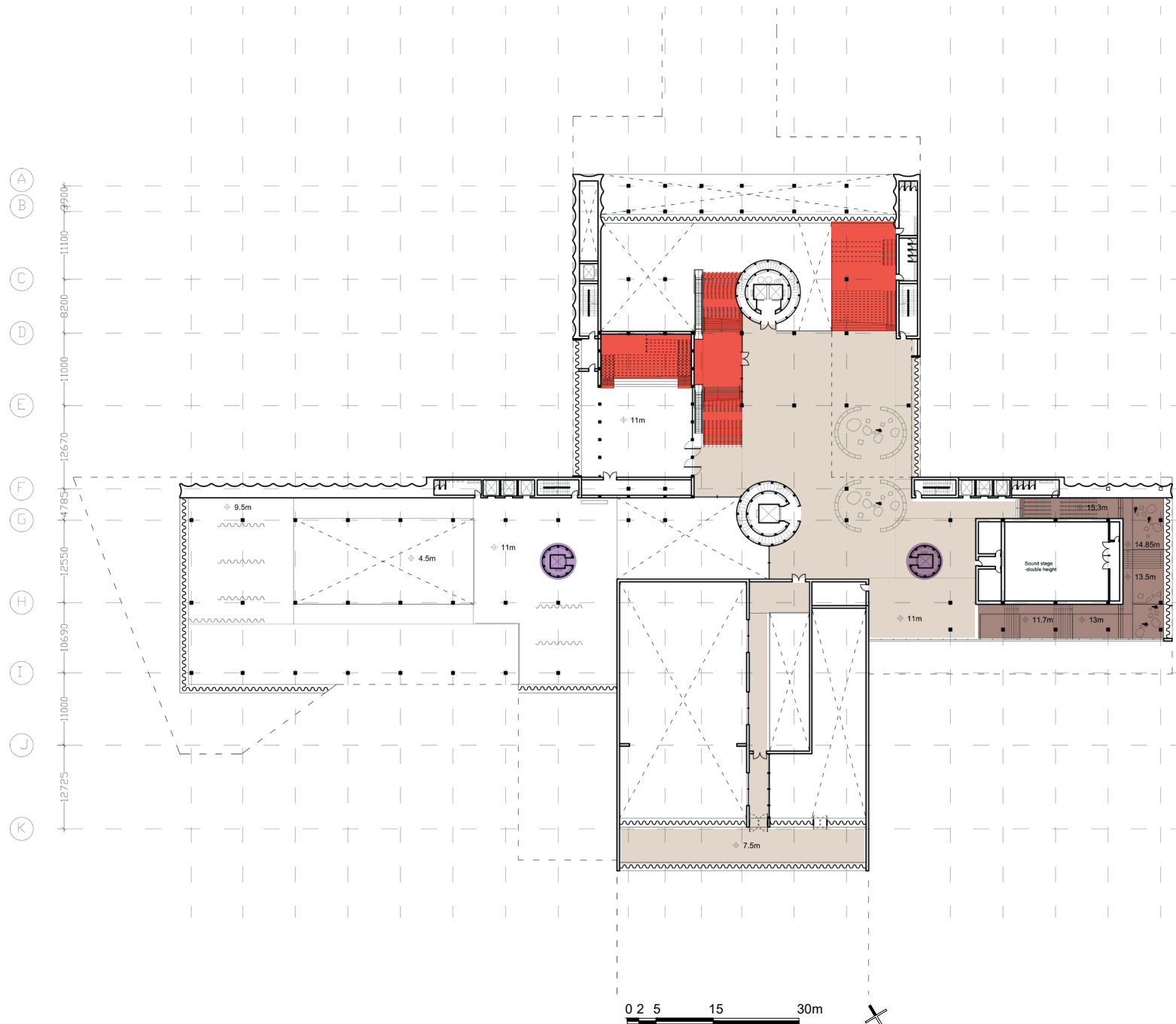
Visitors



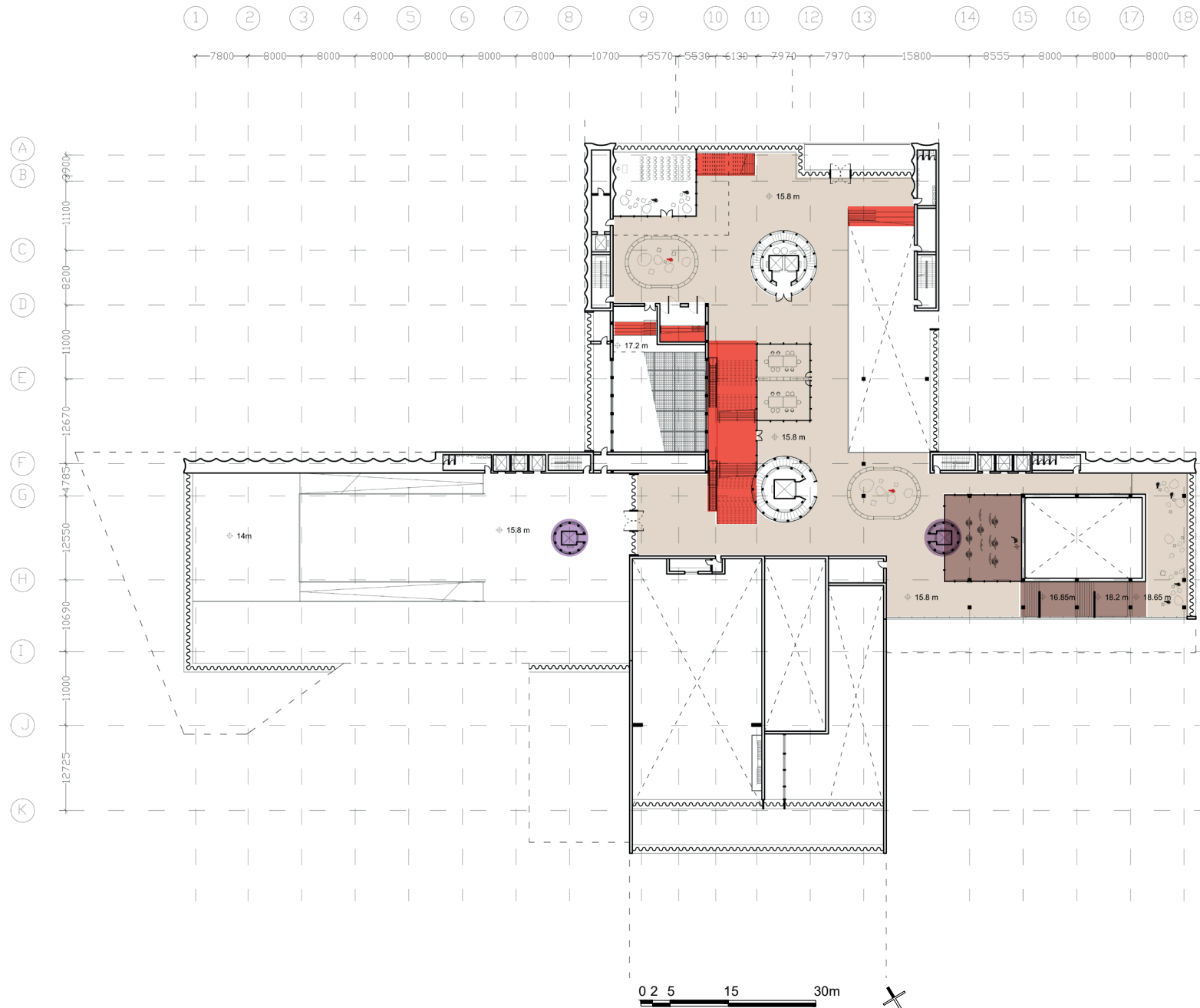
general public(urban)

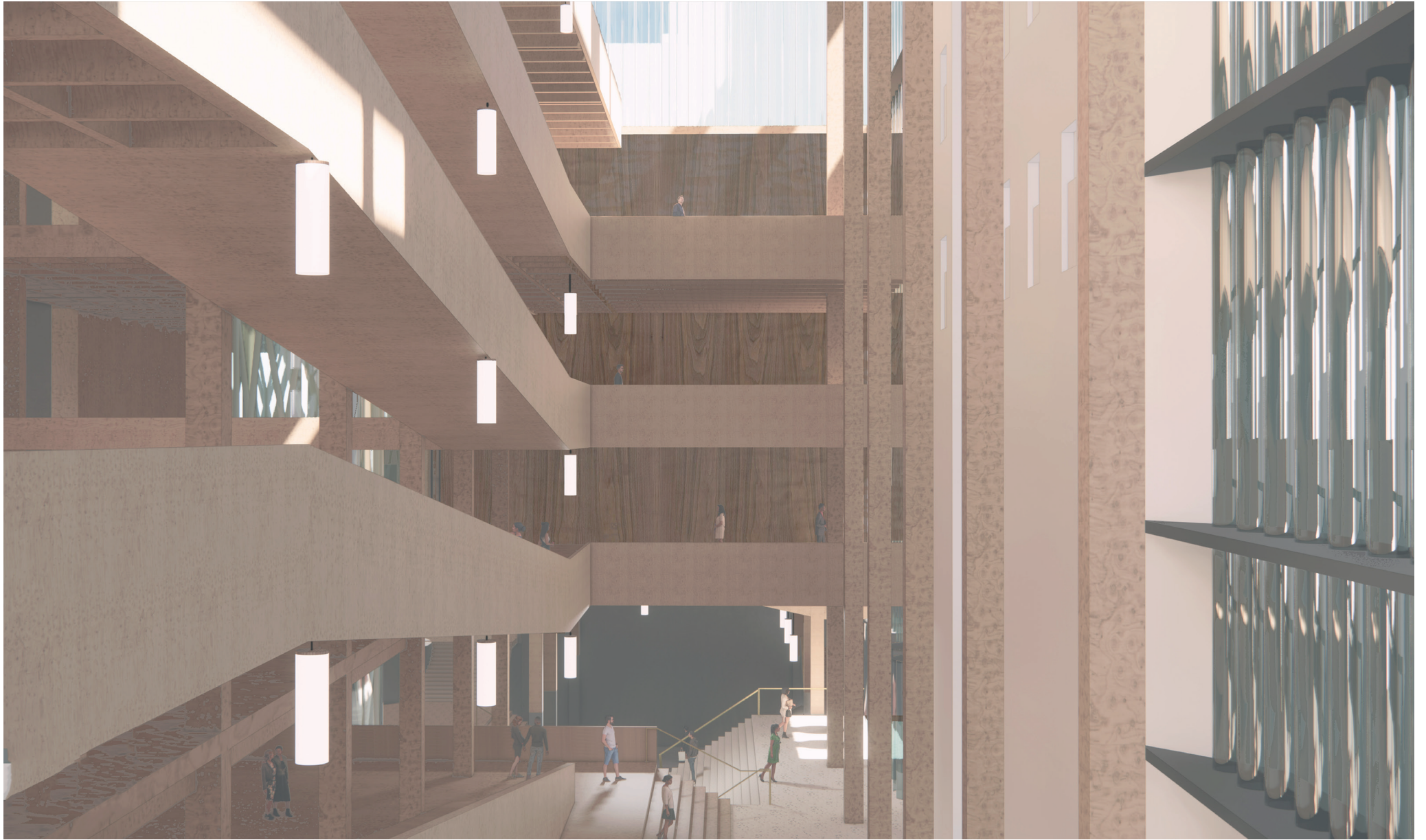


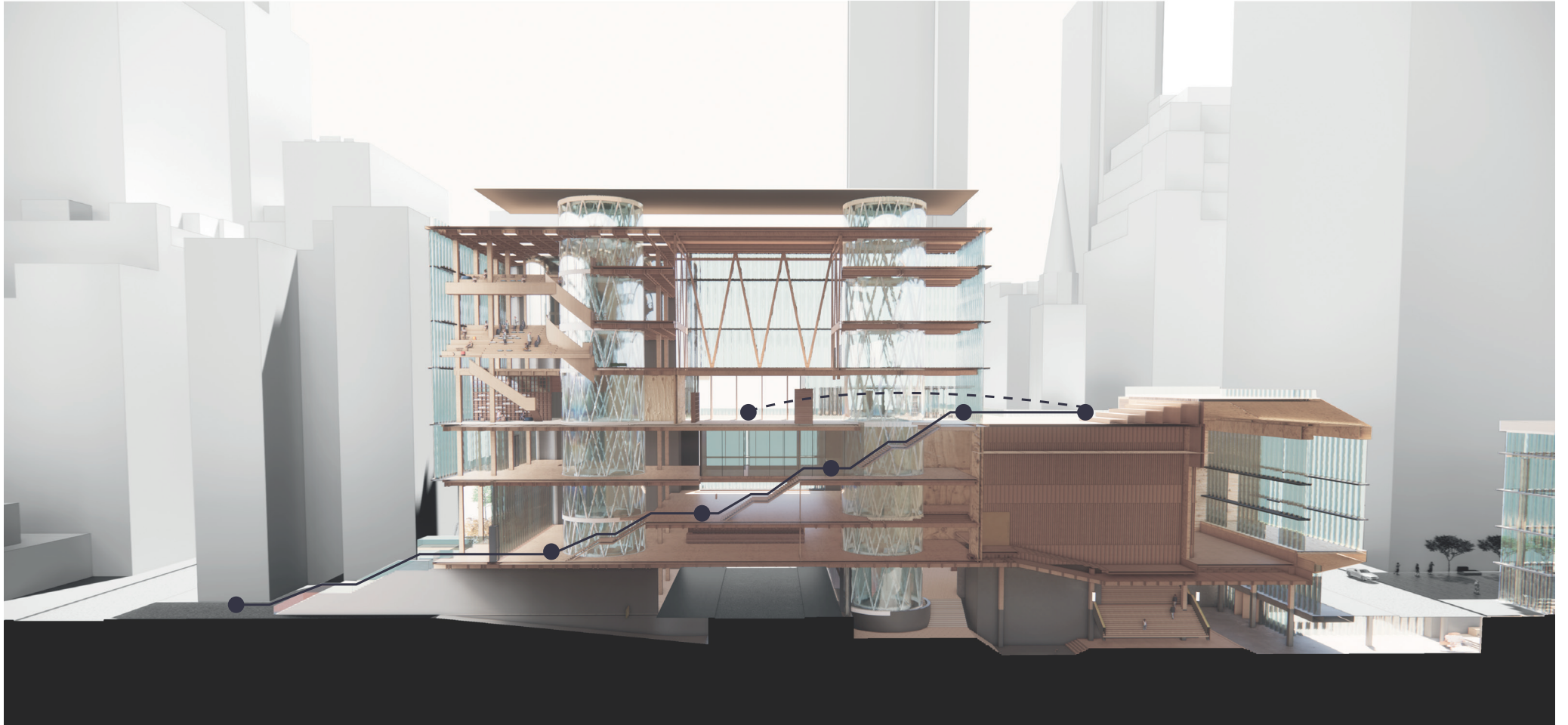
Workshop & Exhibition loop- Mazzanine floor

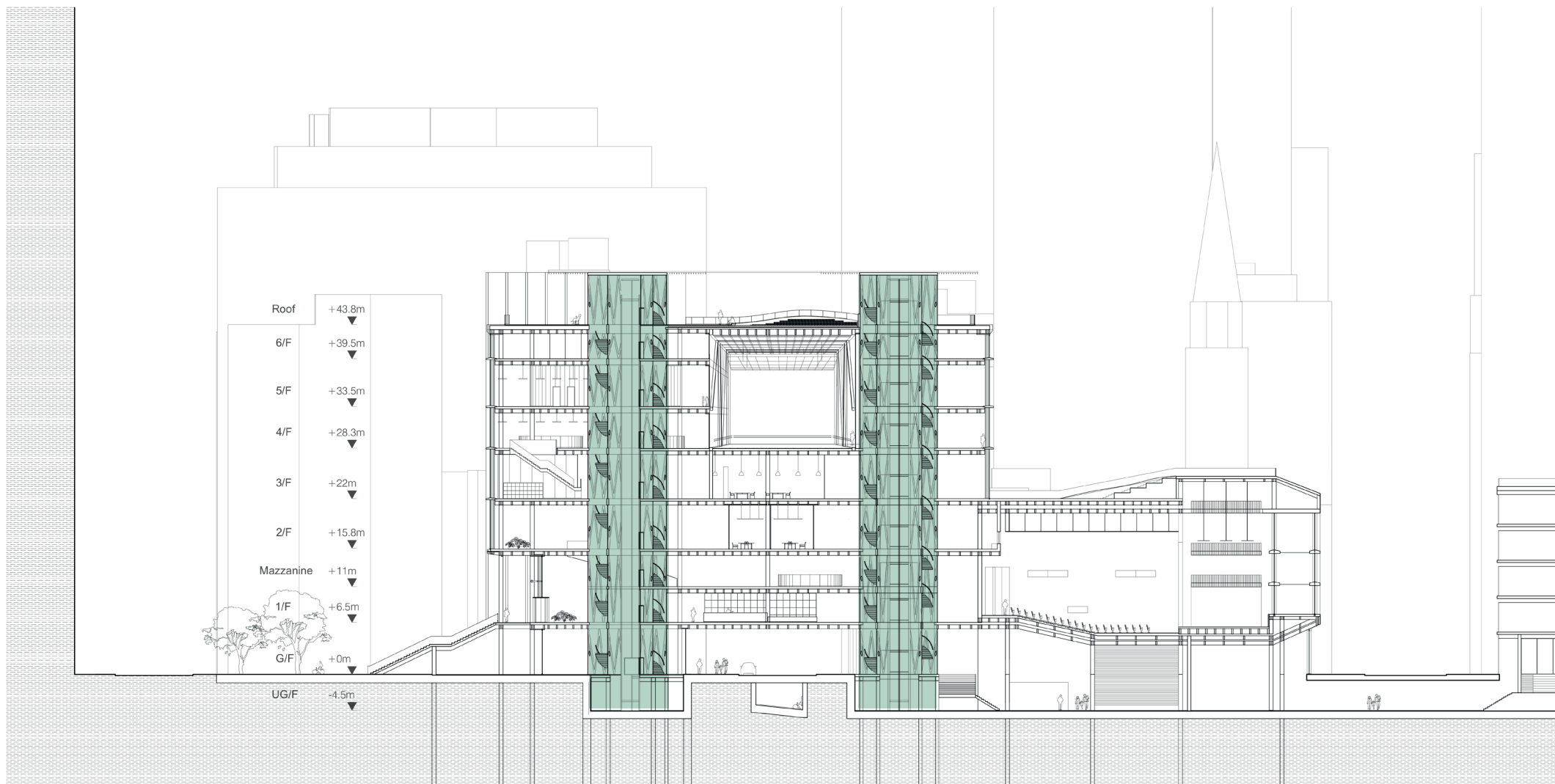


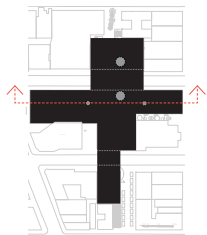
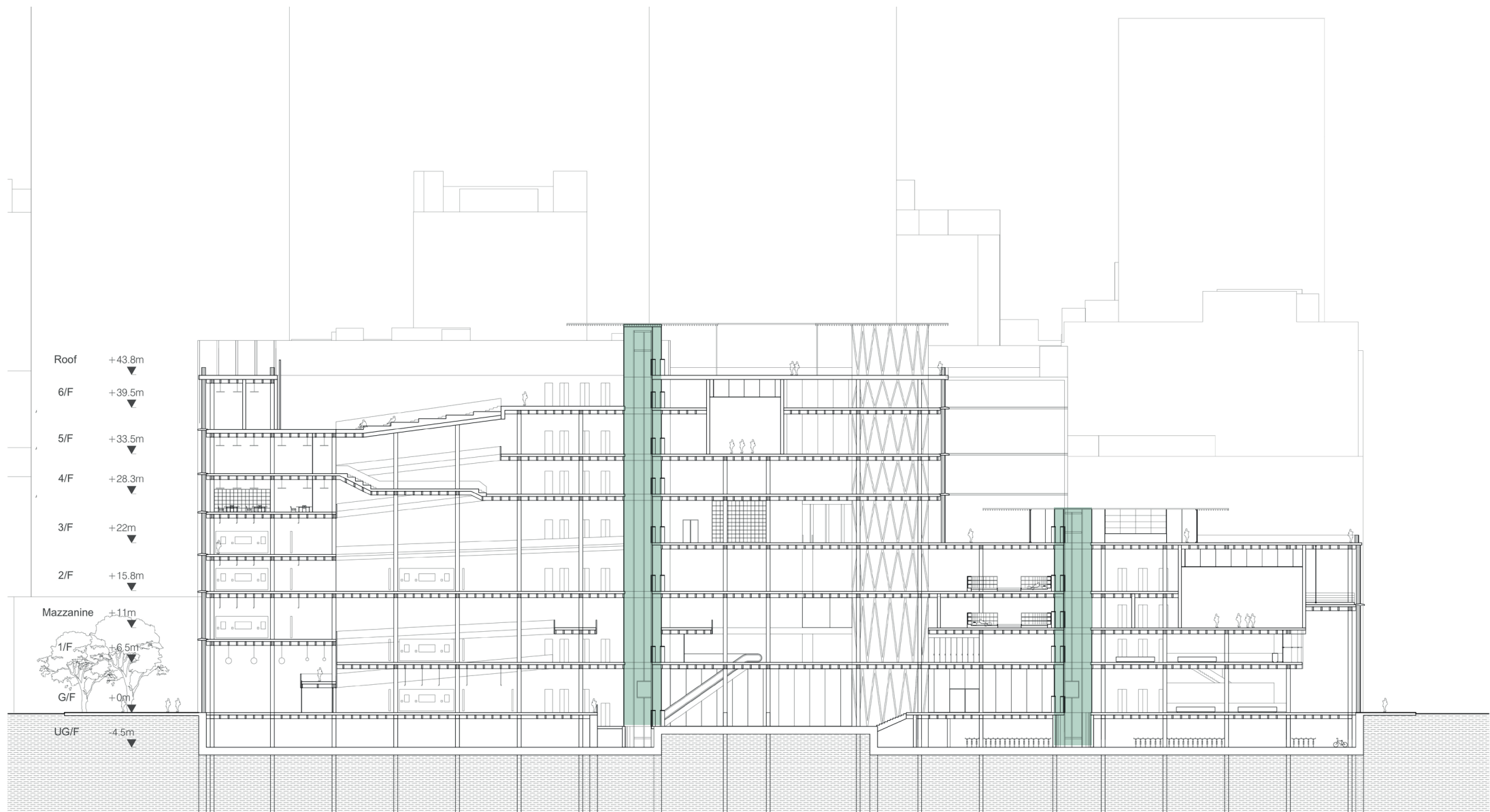
Workshop & Exhibition loop - 2/F



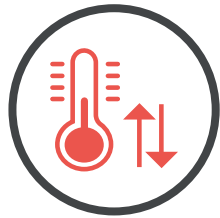




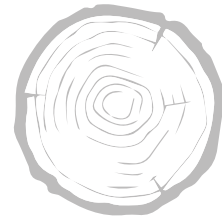




Sustainability

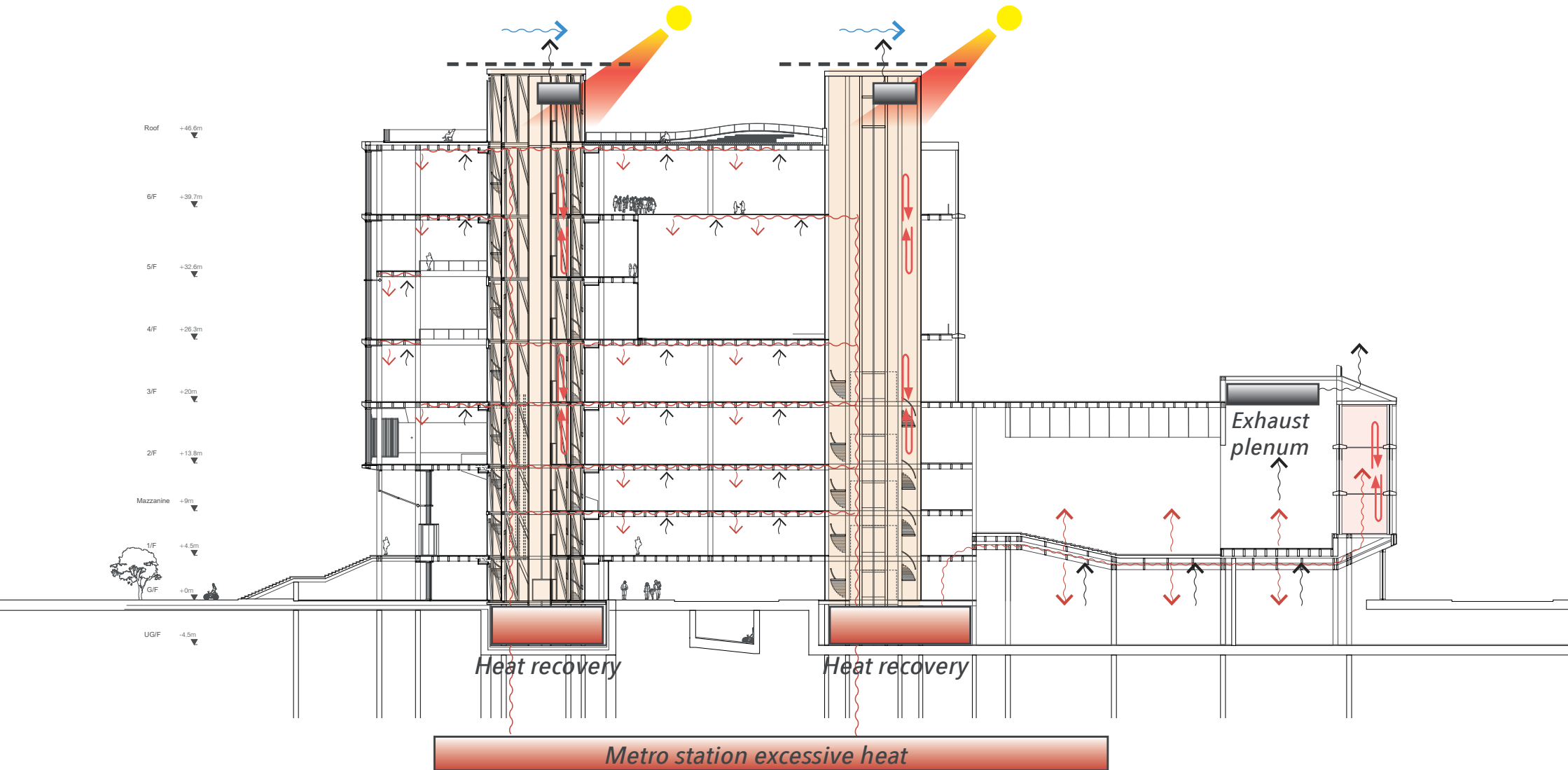
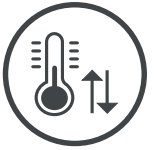


Energy consumption

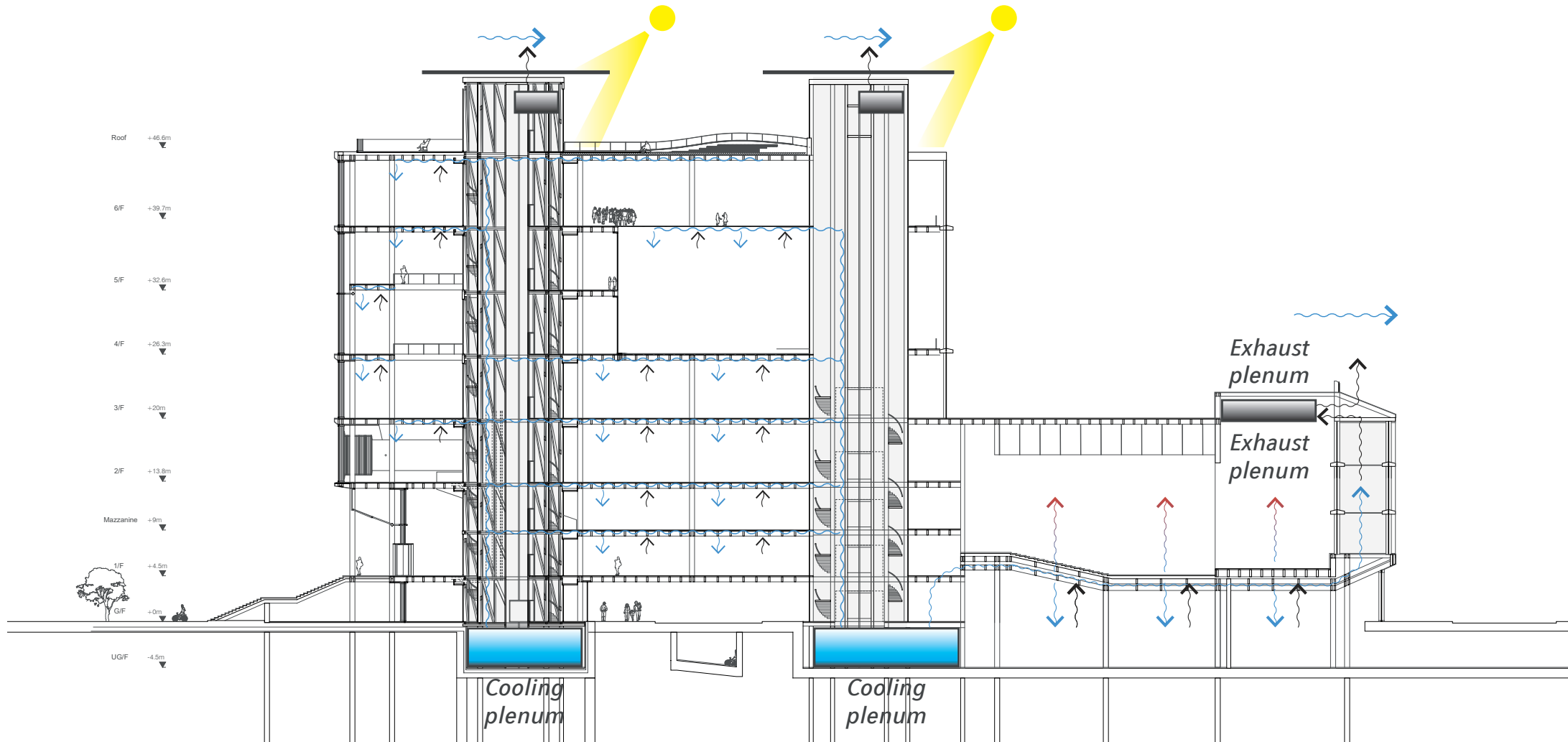
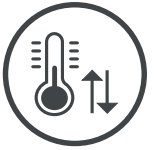


Material

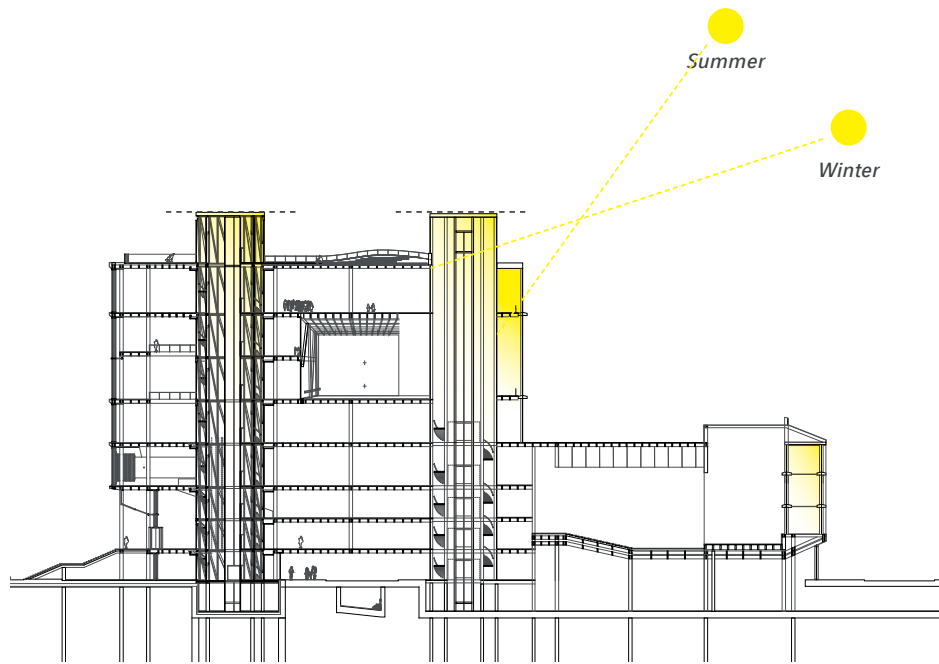
Winter - Heating system



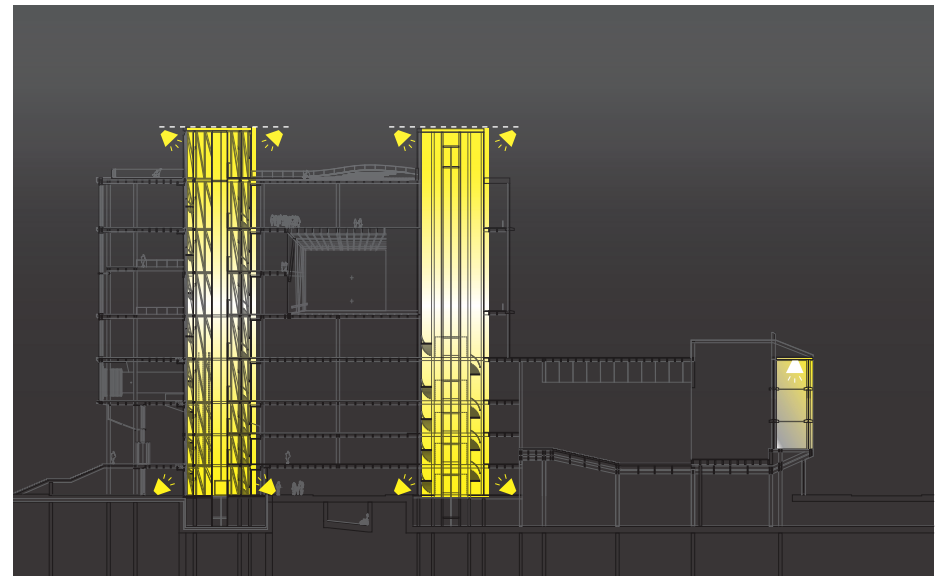
Summer - Cooling system



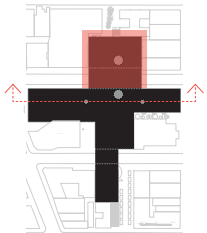
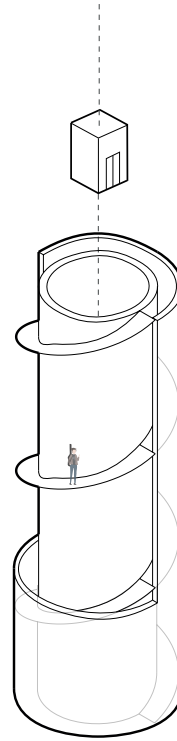
Light

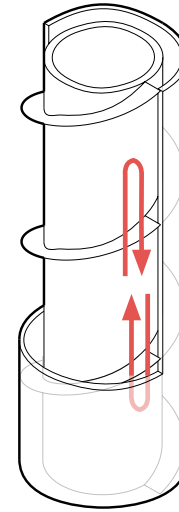
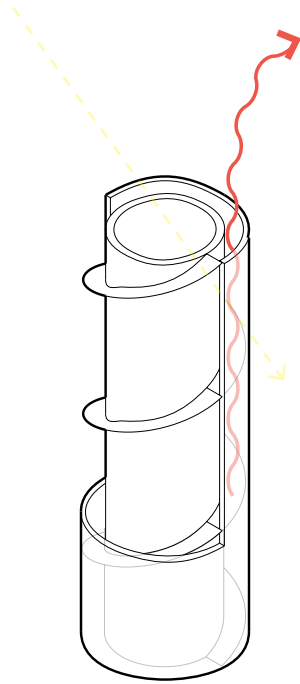
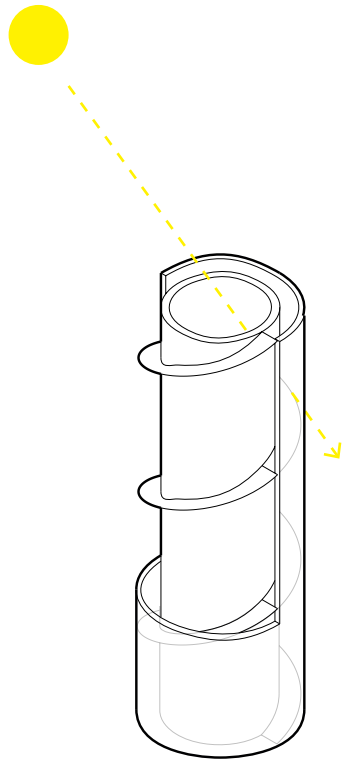


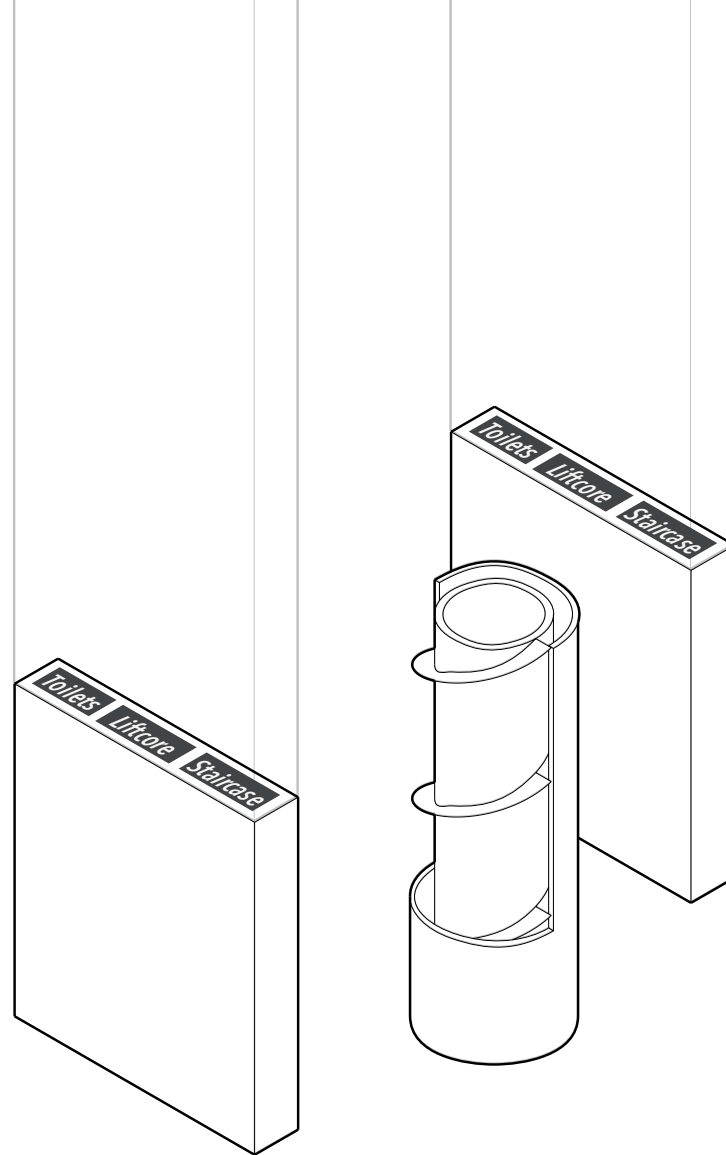
Day

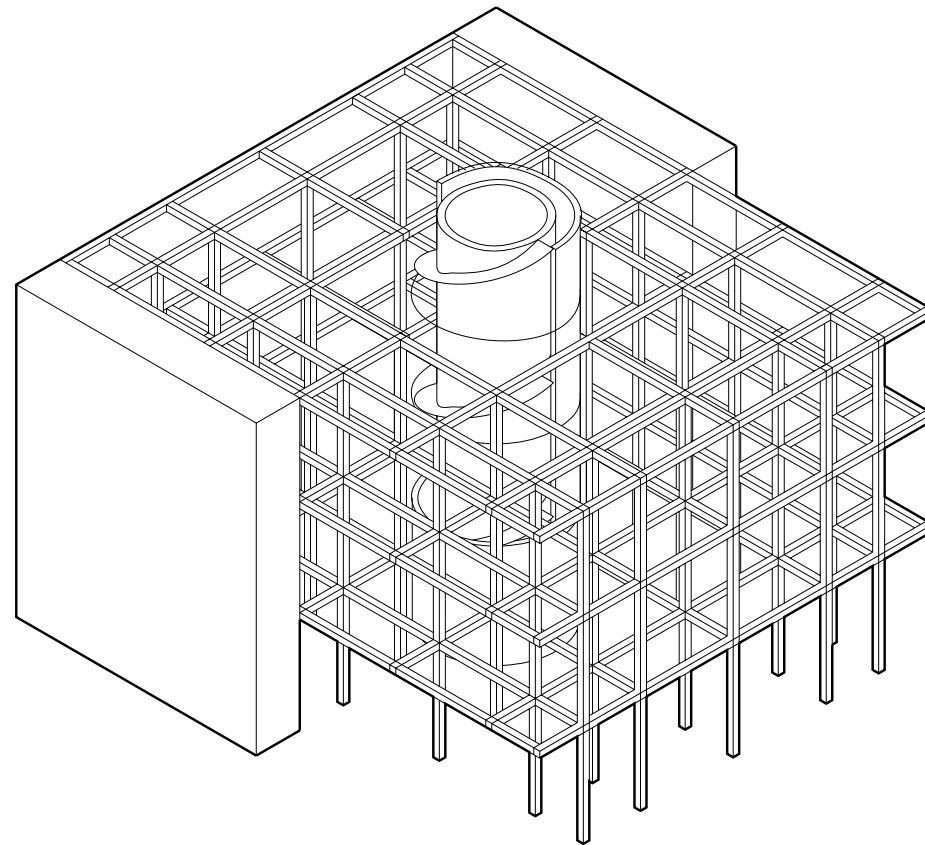


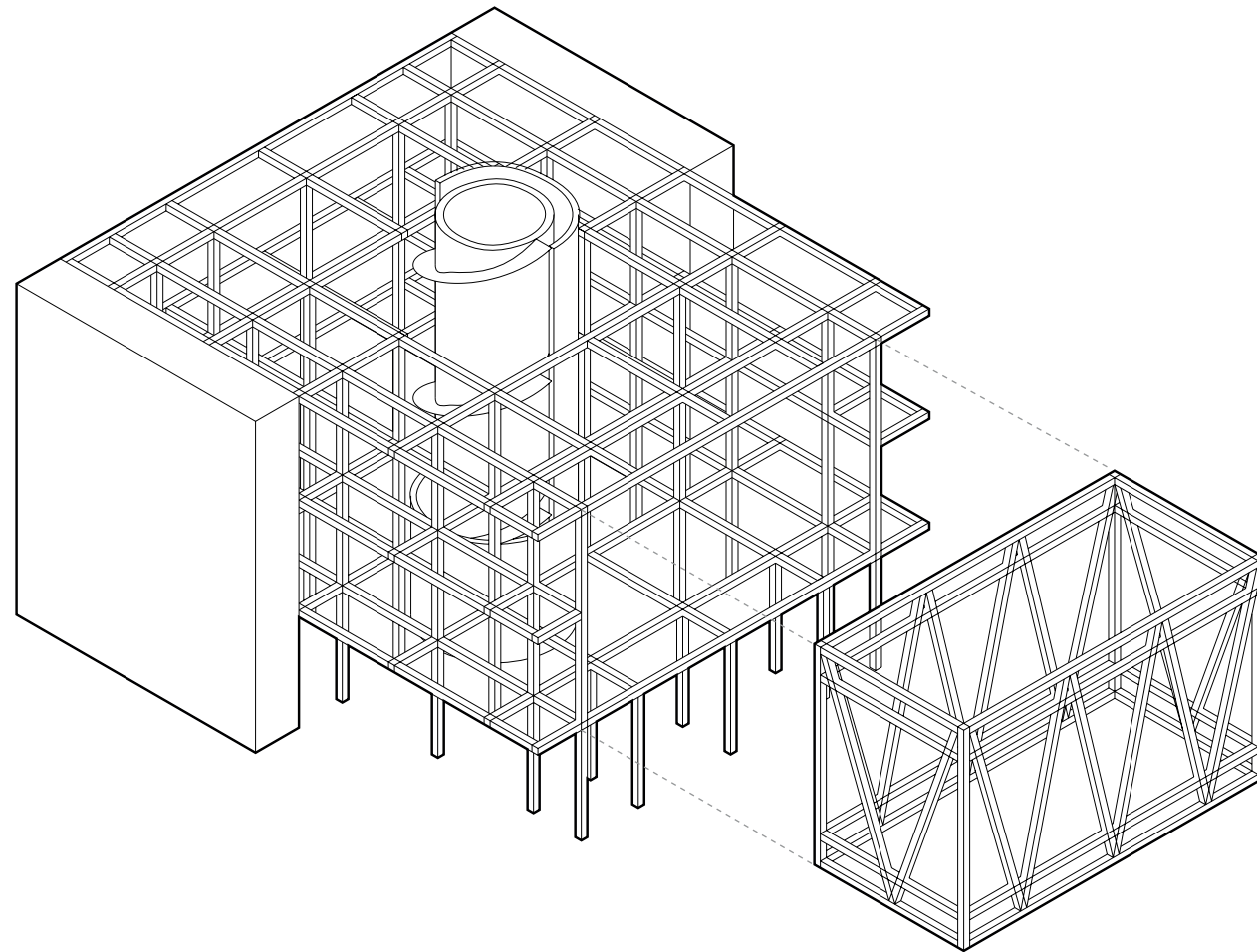
Night

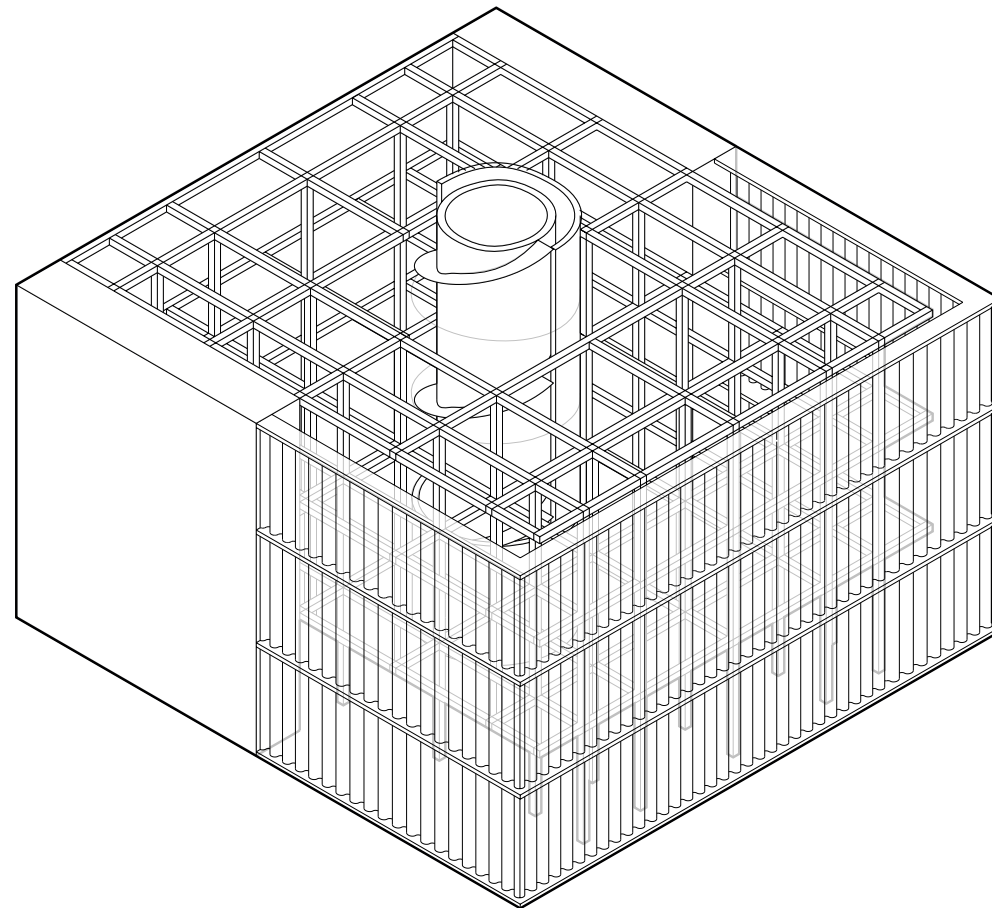




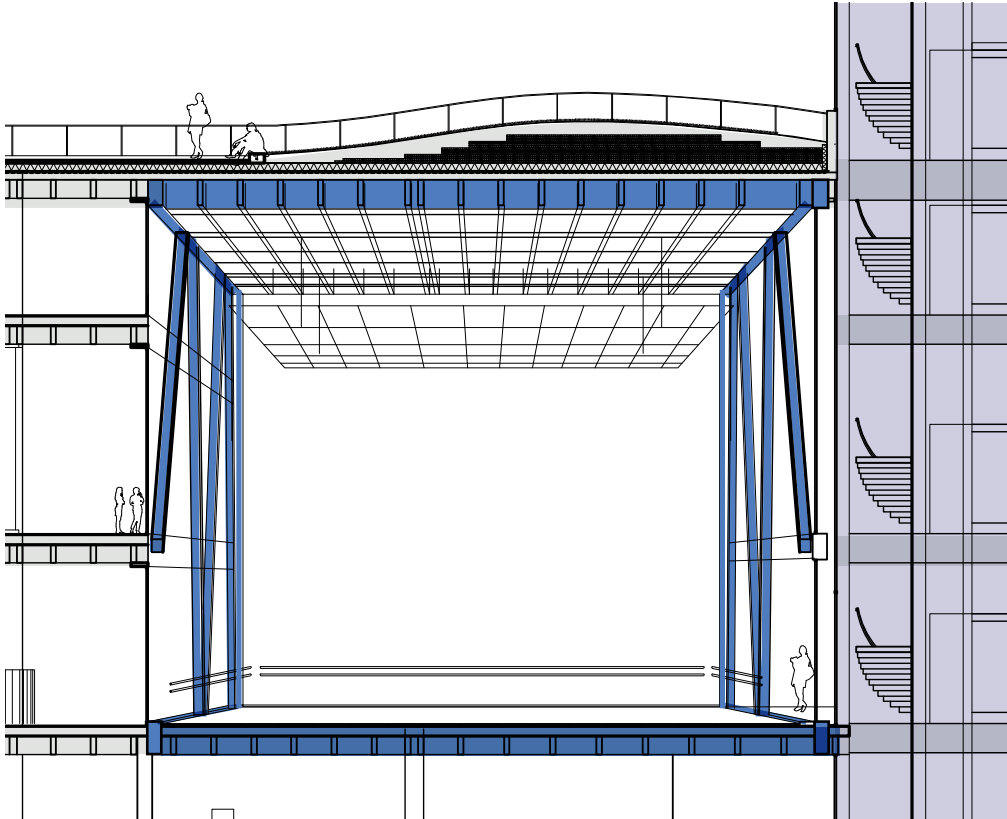




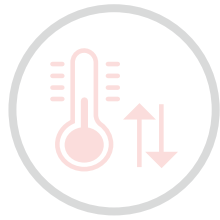




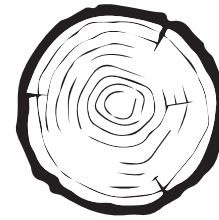
Inserted rehearsal room on upper floor



Sustainability



Energy consumption



Material

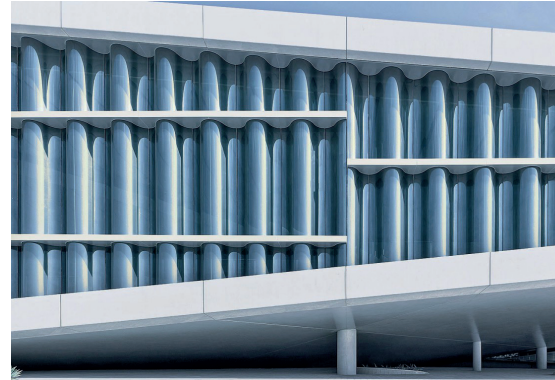


Update site materiality

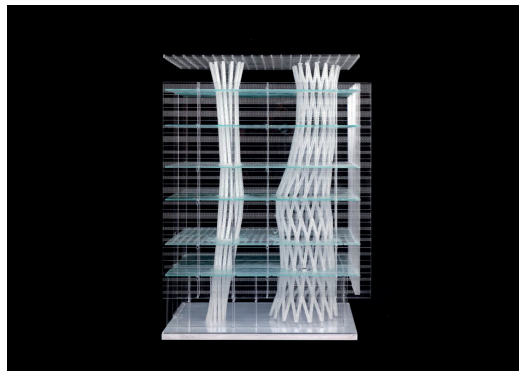
Use of materials



*timber
(structure frame)*



*corrugated glass
(facade)*

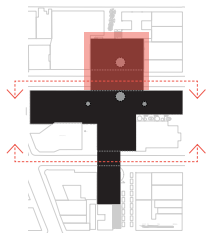
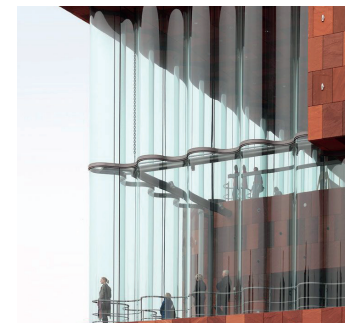
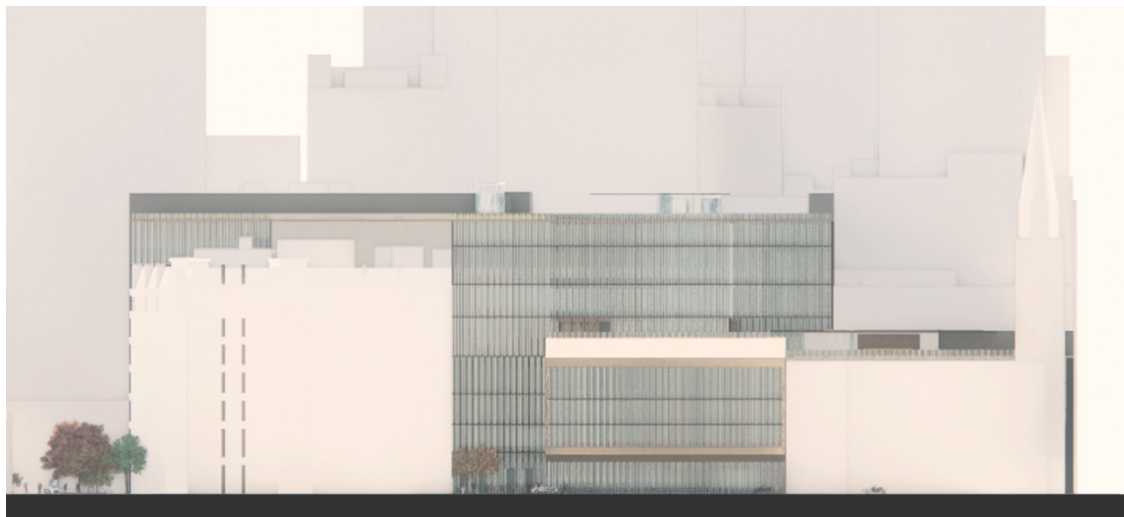
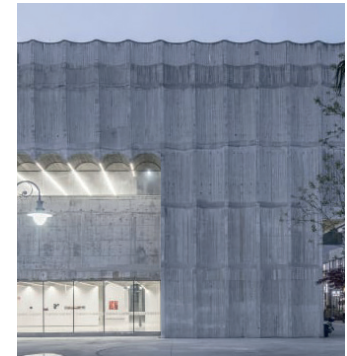


*steel
(core)*

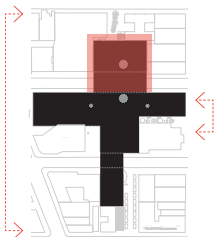
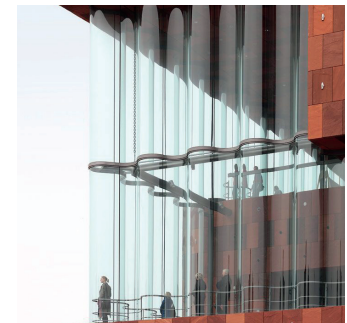
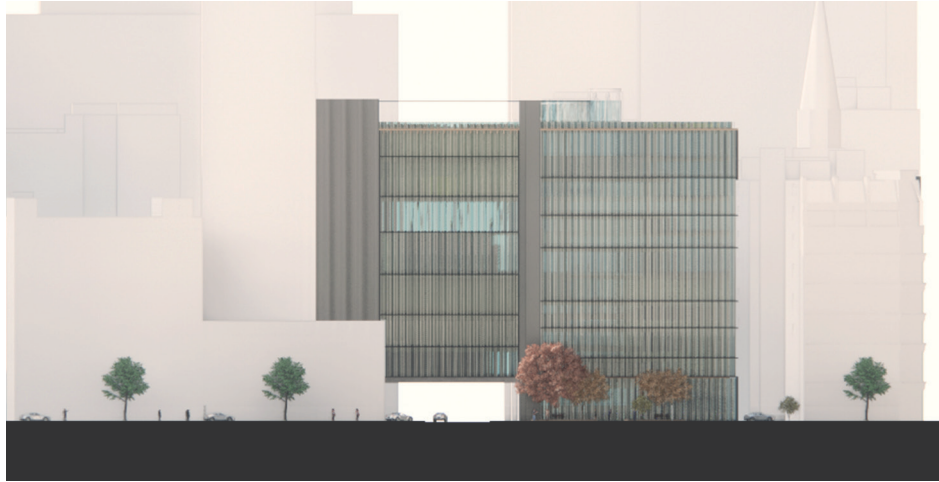


*concrete
(foundation)*

Facades- 31st & 28th Street



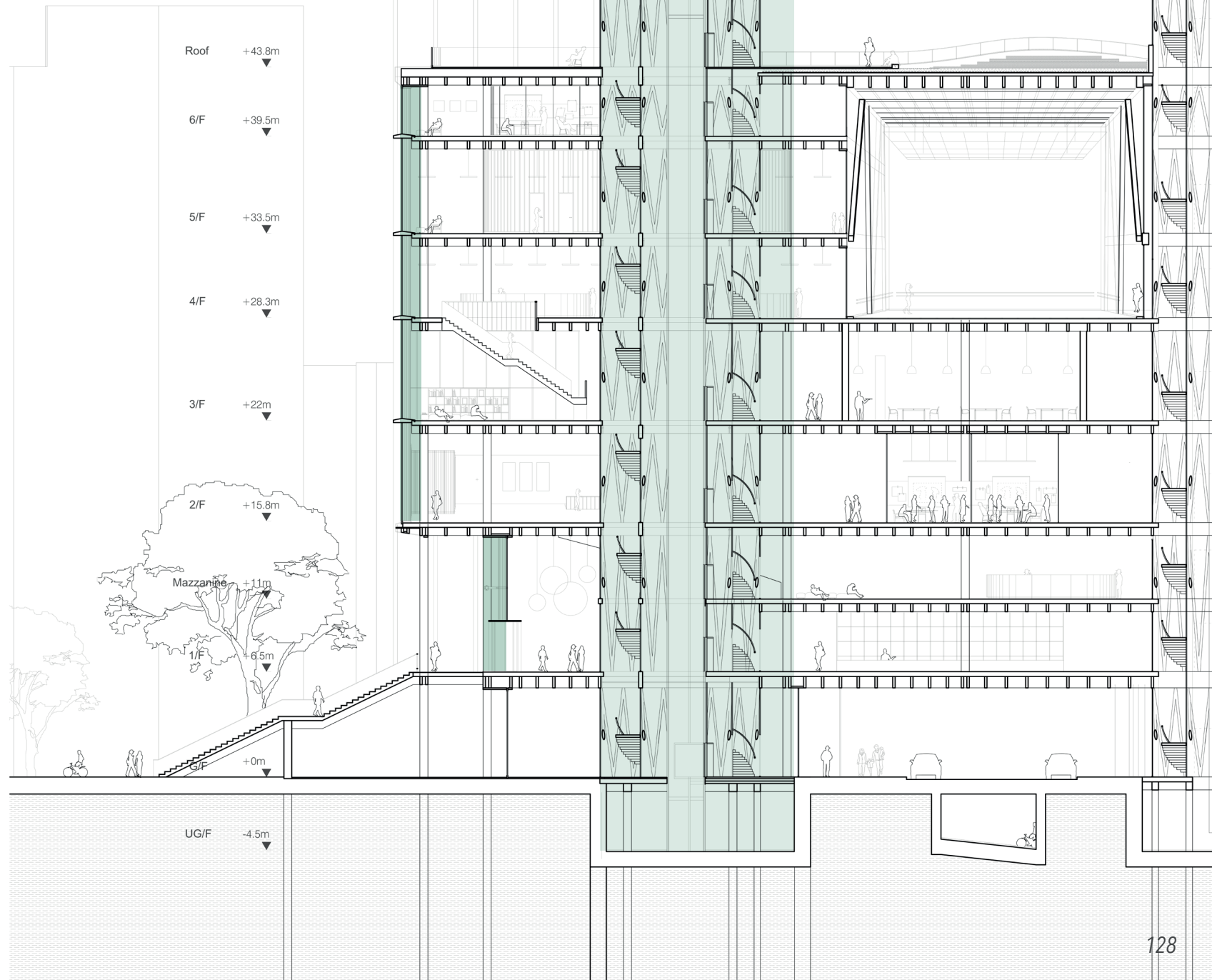
Facades - 5th Avenue & Broadway



Light & heat



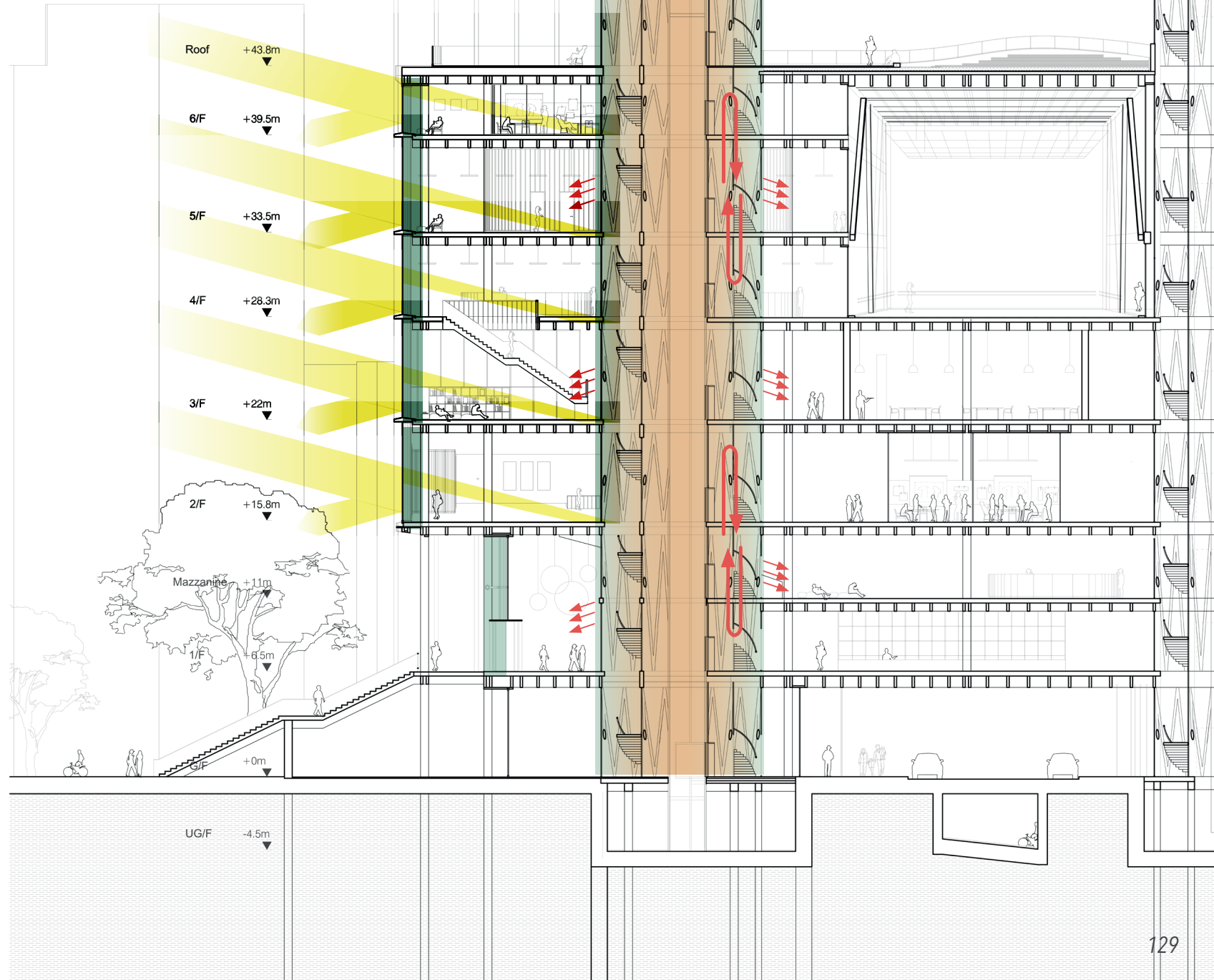
tinted glass



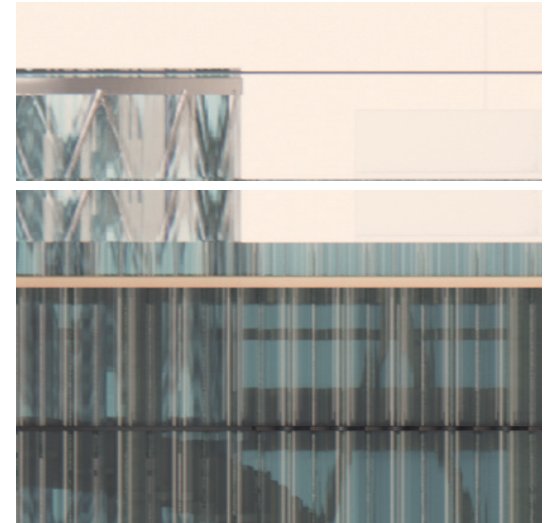
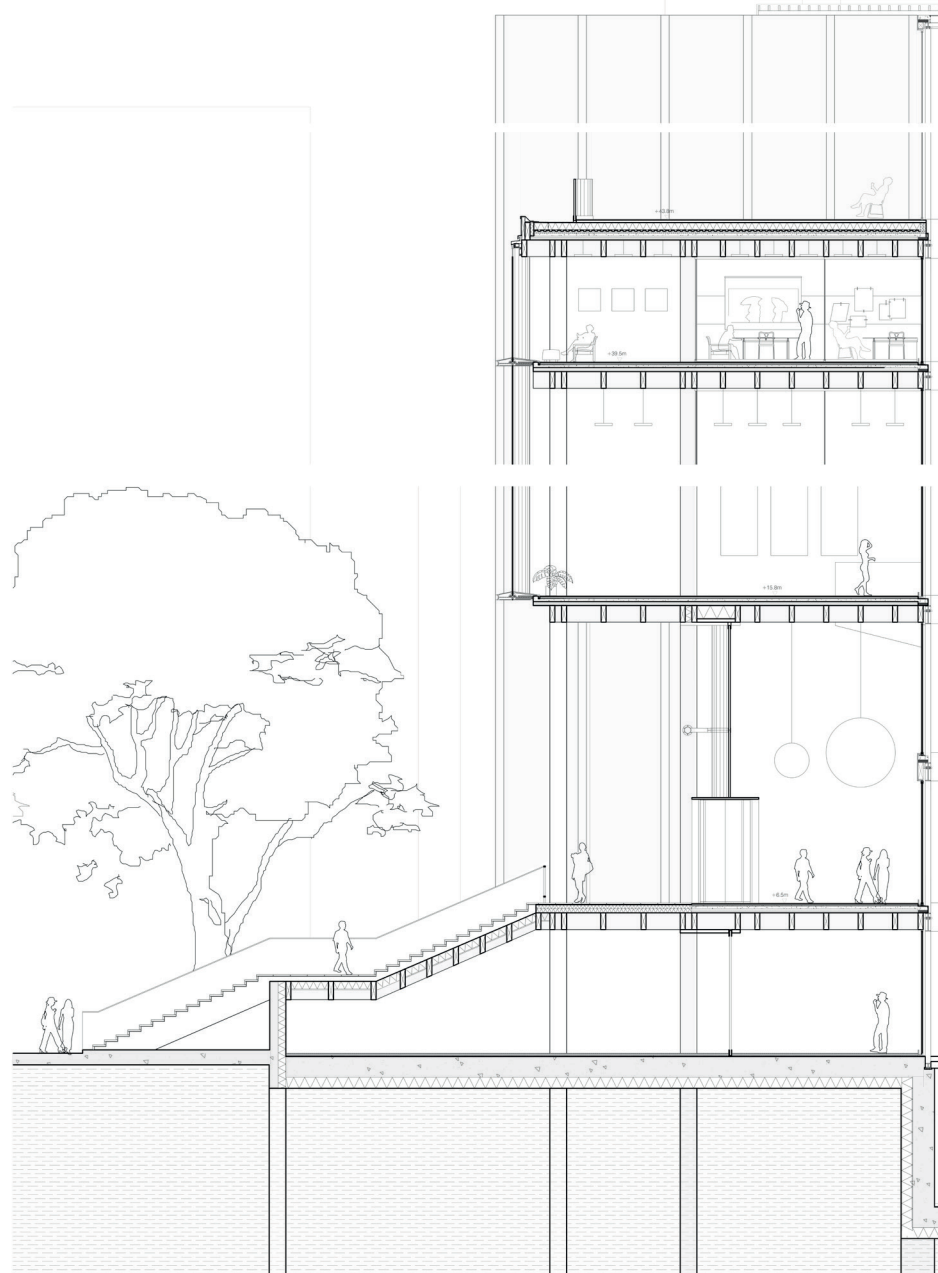
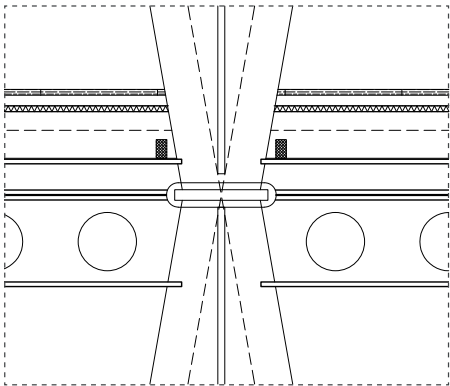
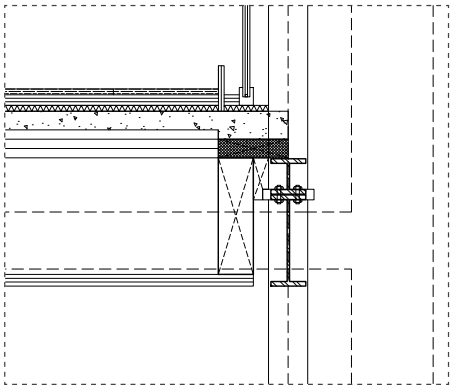
Light & heat



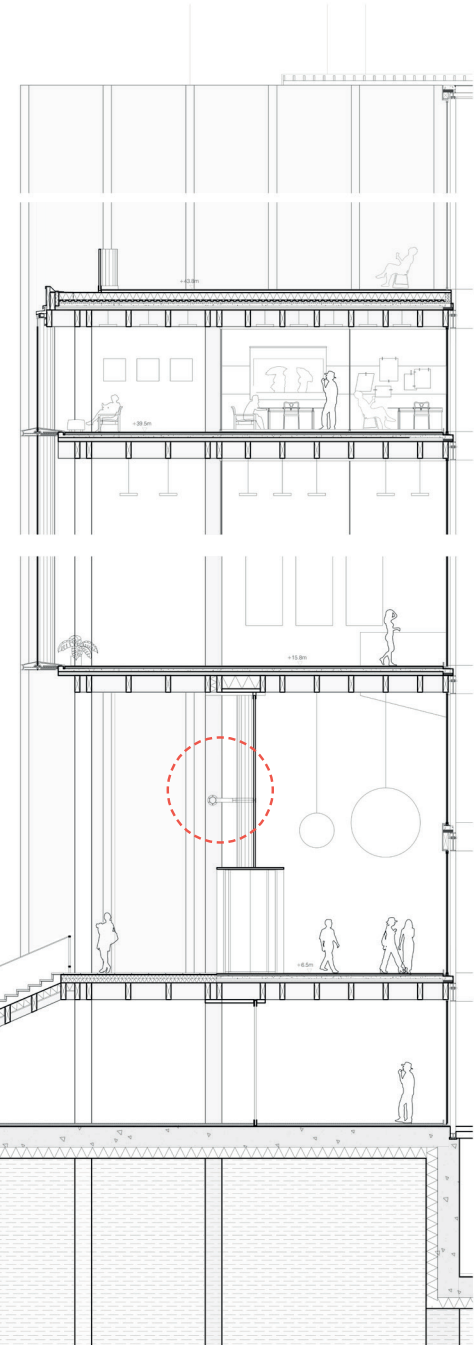
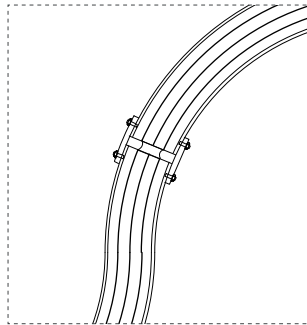
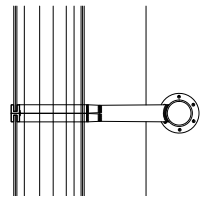
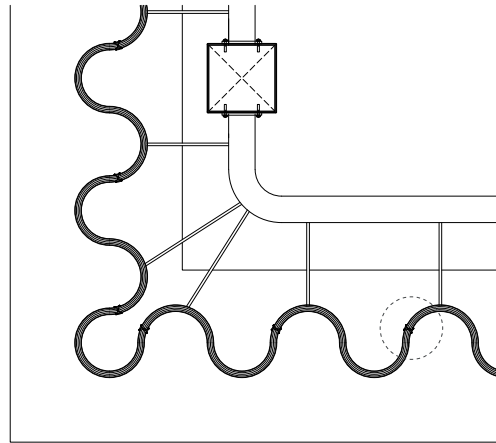
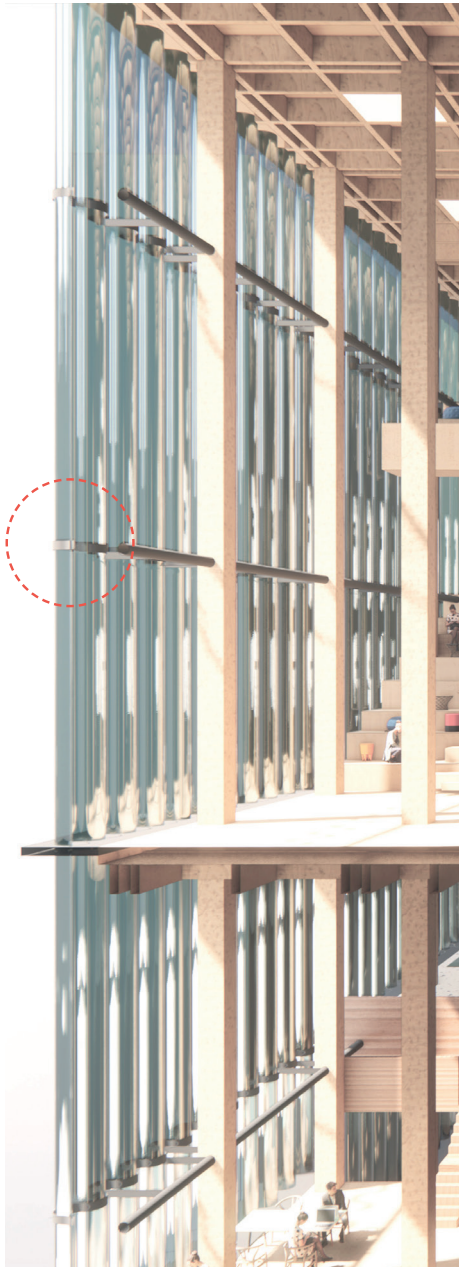
tinted glass



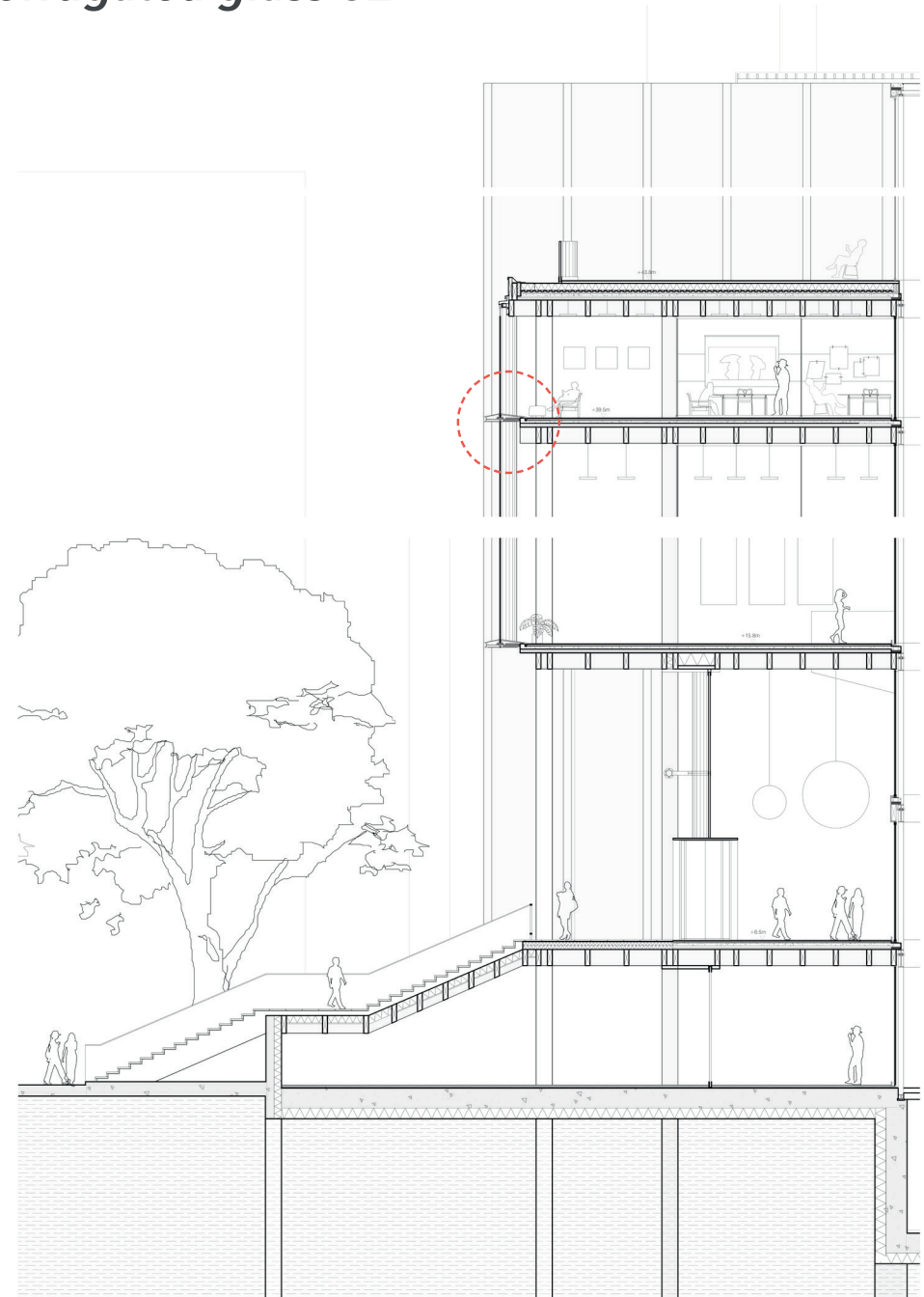
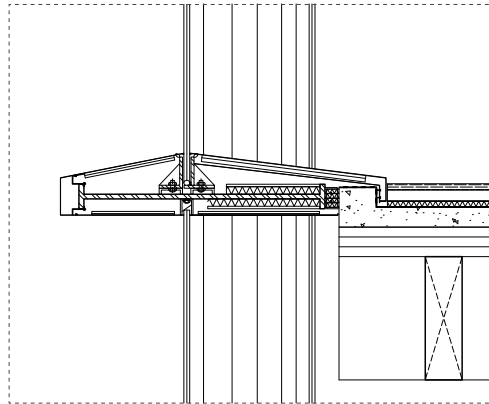
Core structure - steel trusses



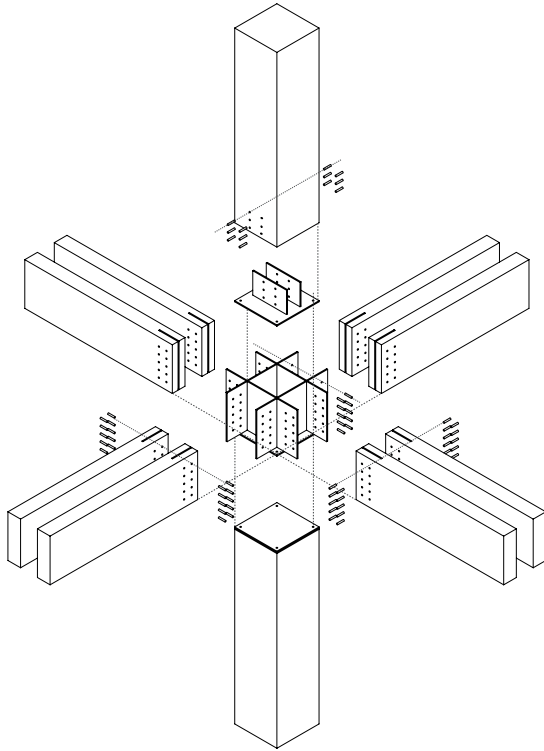
Facade structure - Structural corrugated glass 01



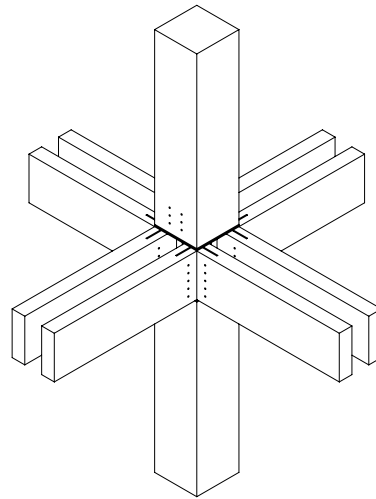
Facade structure - Structural corrugated glass 02



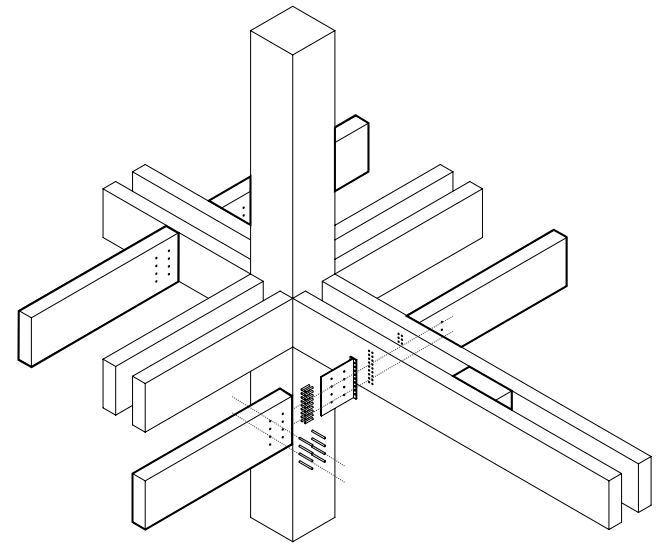
Timber frame joints detail



Primary structure

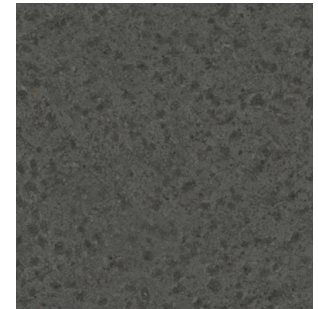
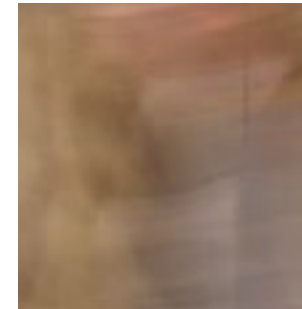


minimise exposed joinery

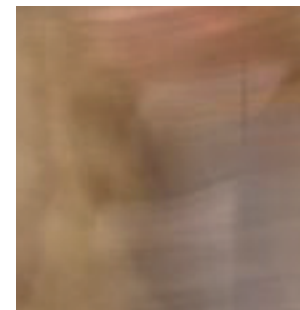


Secondary beams

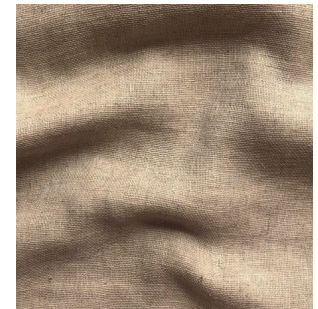
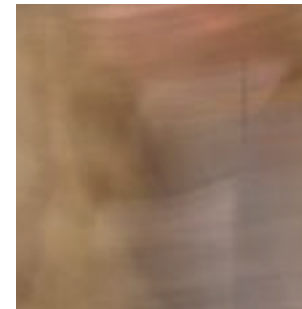
Public plinth



Upper public

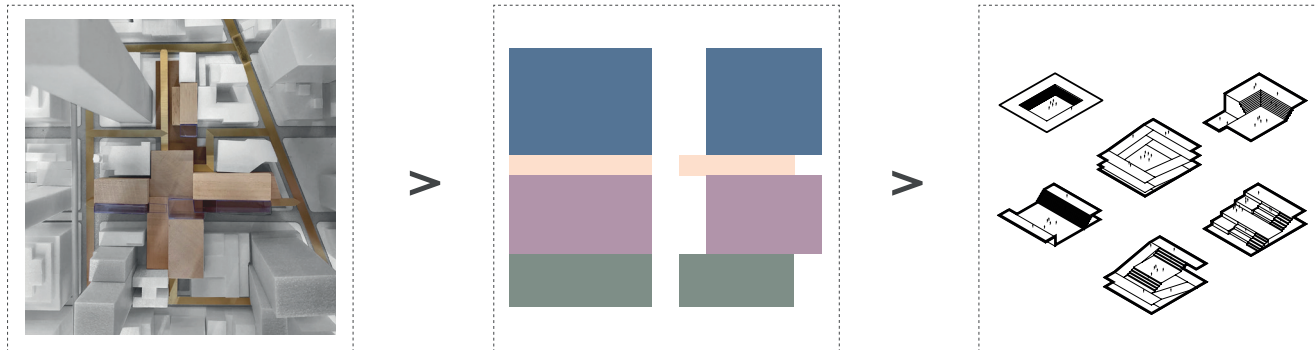


Artist's studio

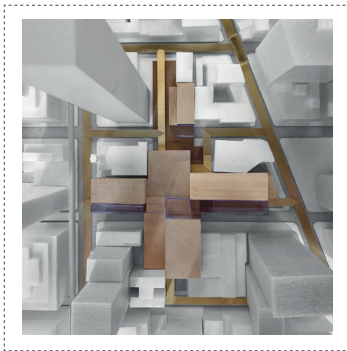
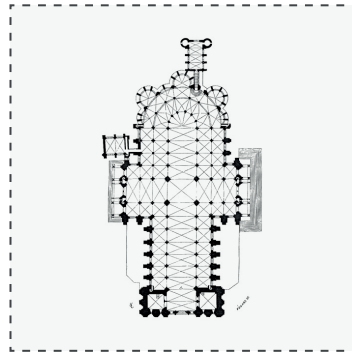


... / ???

design process: form typology



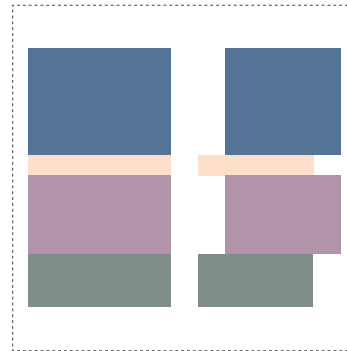
design process: form typology



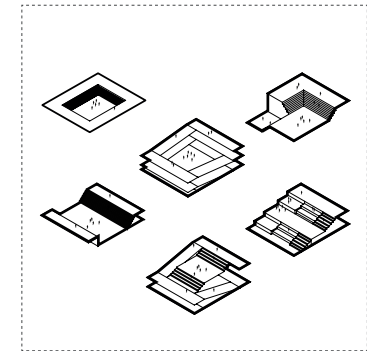
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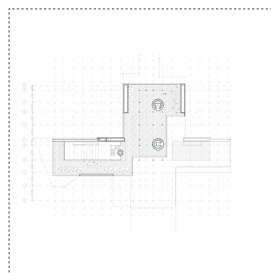
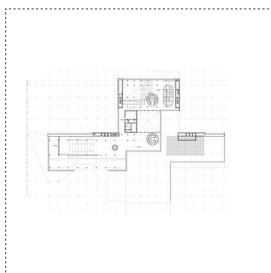
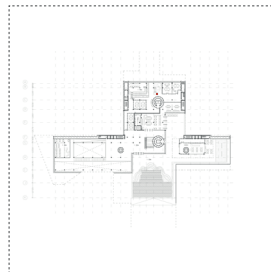
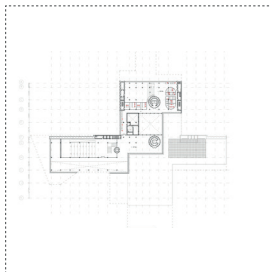
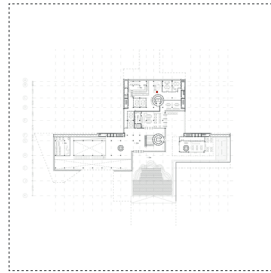
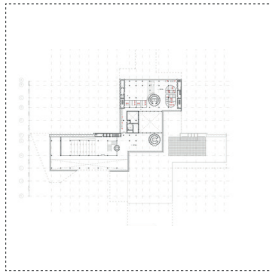
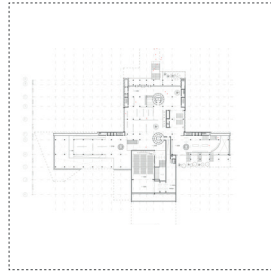
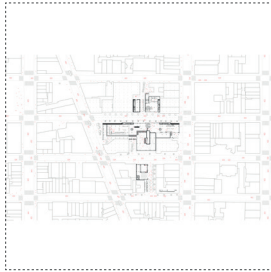
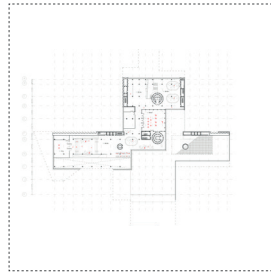
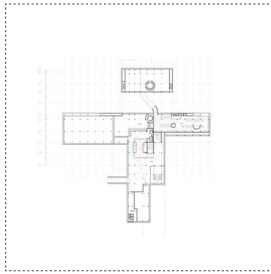
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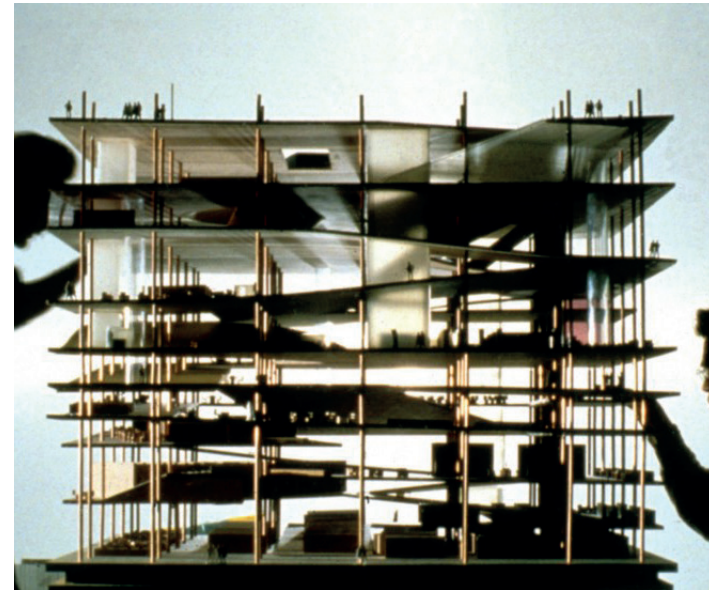
>



efficiency in metropolitan



VS



thank you :)