



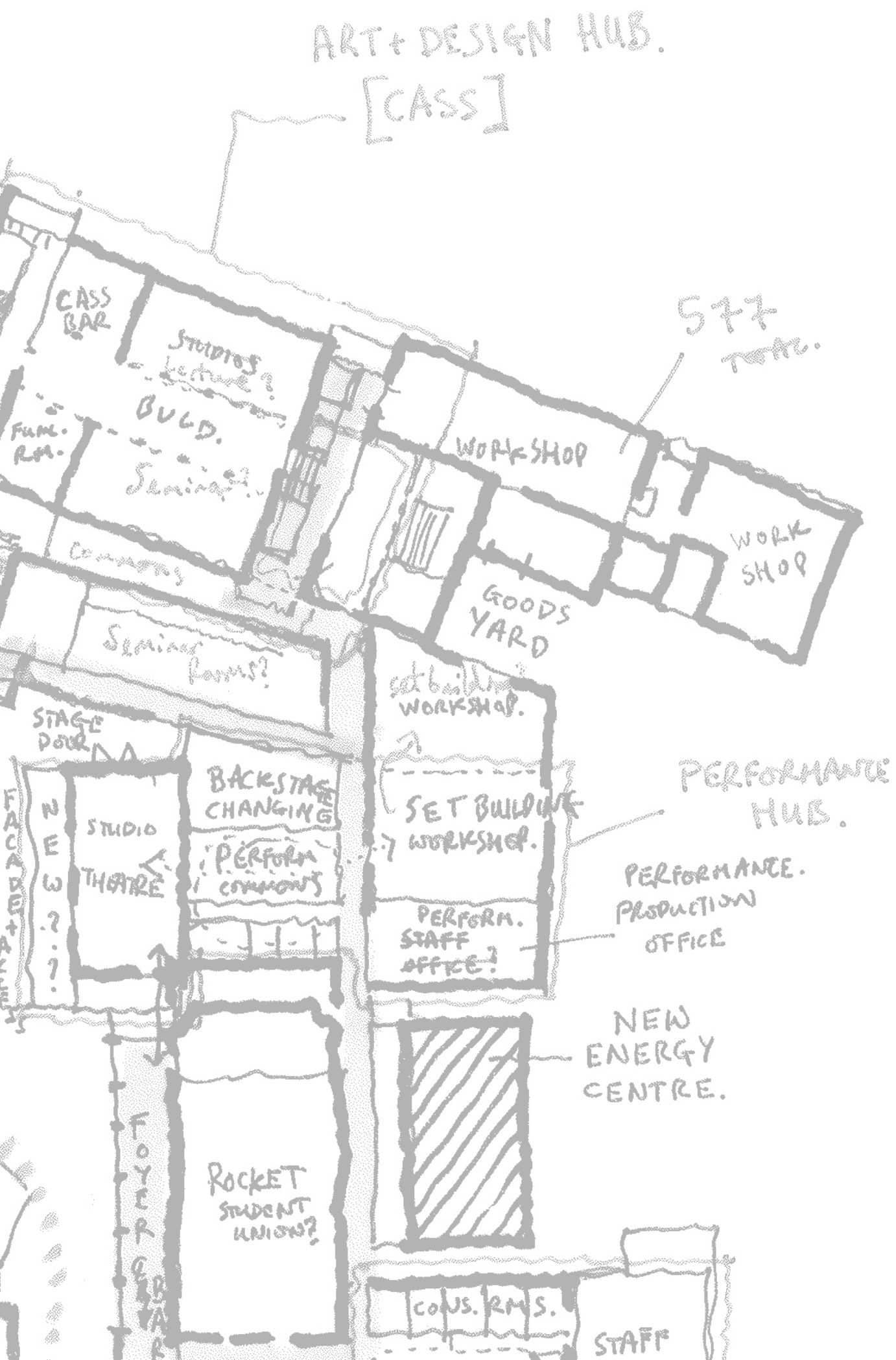
# Urban Design & Masterplan

*London Metropolitan University*

Proposed Masterplan  
April 2016



Design Engine Architects **FiD**

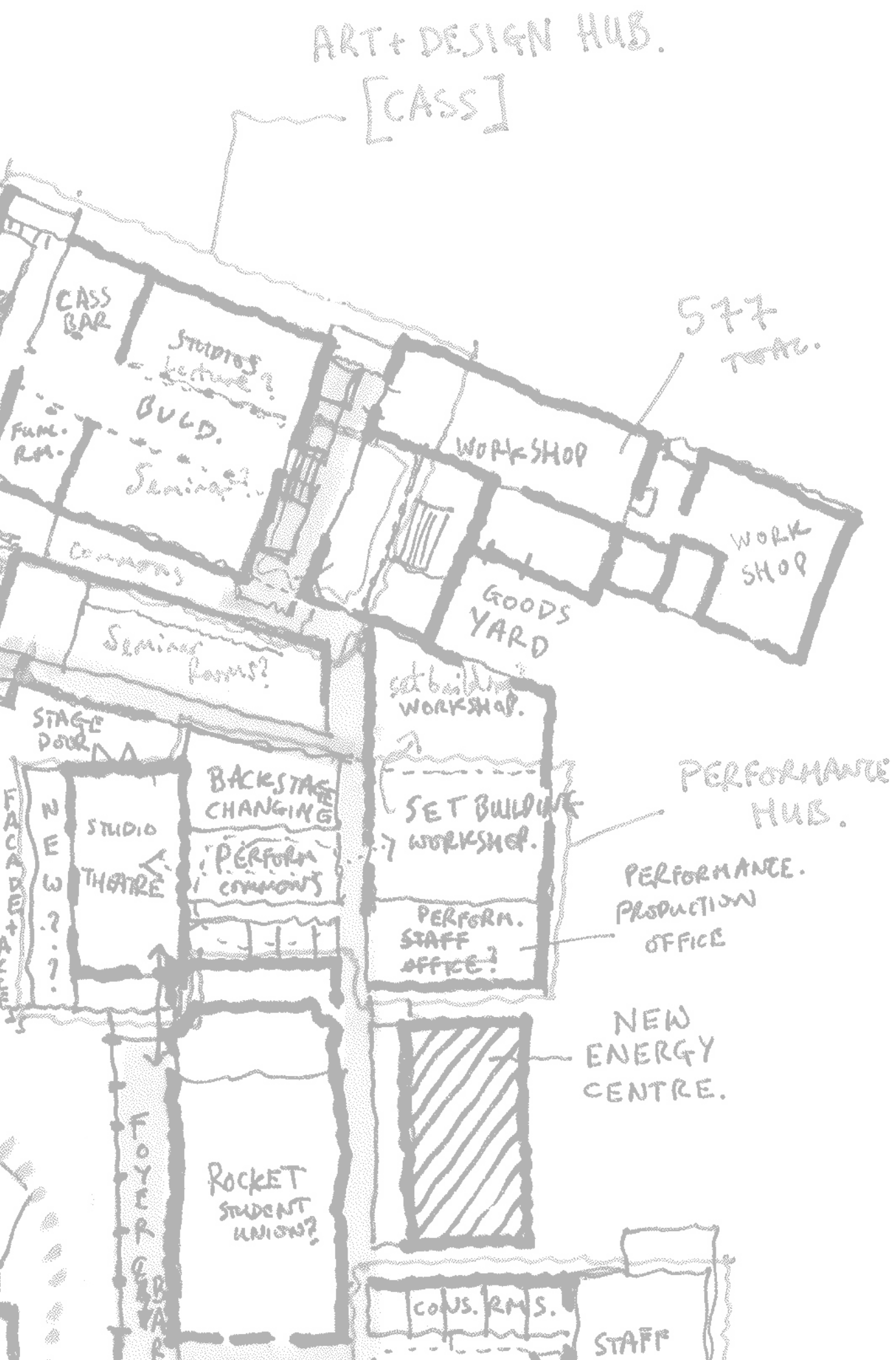


Introduction

The space model

Campus layout

Public realm



## Introduction

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Campus layout

Public realm

## Consultation

36 meetings with stakeholders and the university team

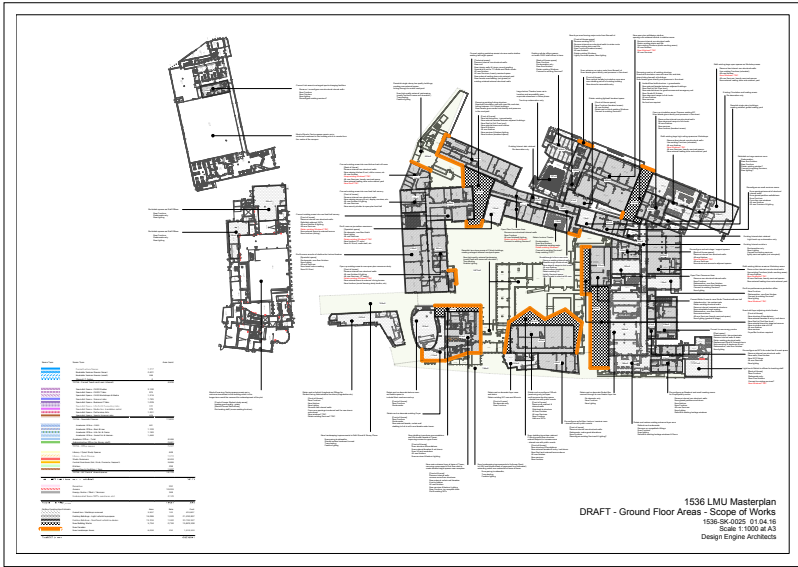
Including:

- Town hall meetings
- Panel discussions
- CASS crit
- External stakeholders

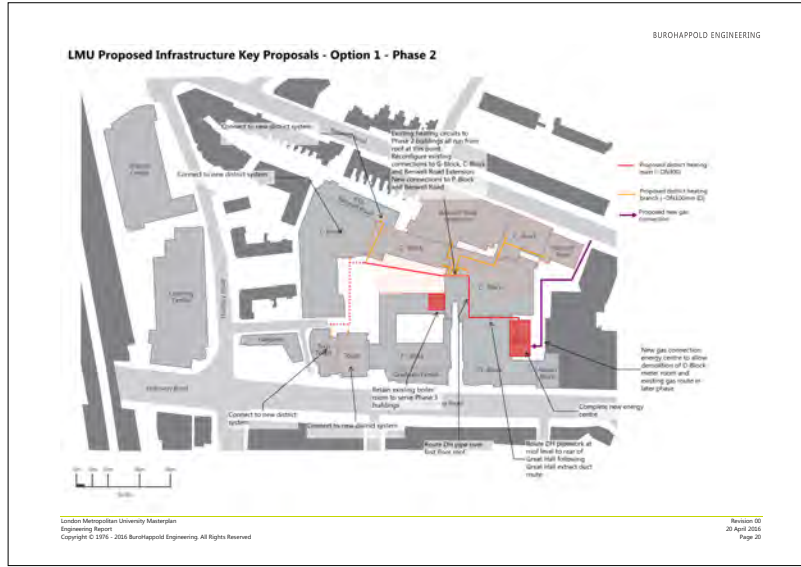
Around 350 people met

60% of the period focused on consultation (normally 20%)

Significant impact on the design development and outcome



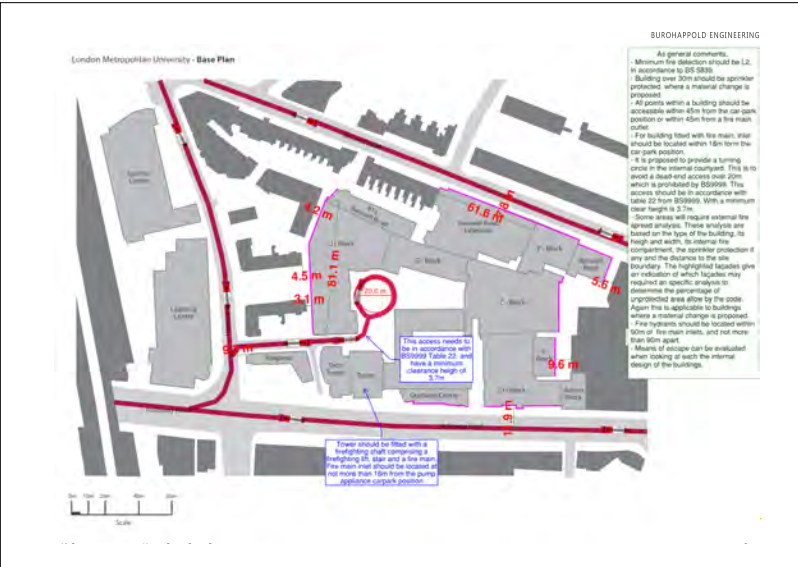
Scope of works detail - cost



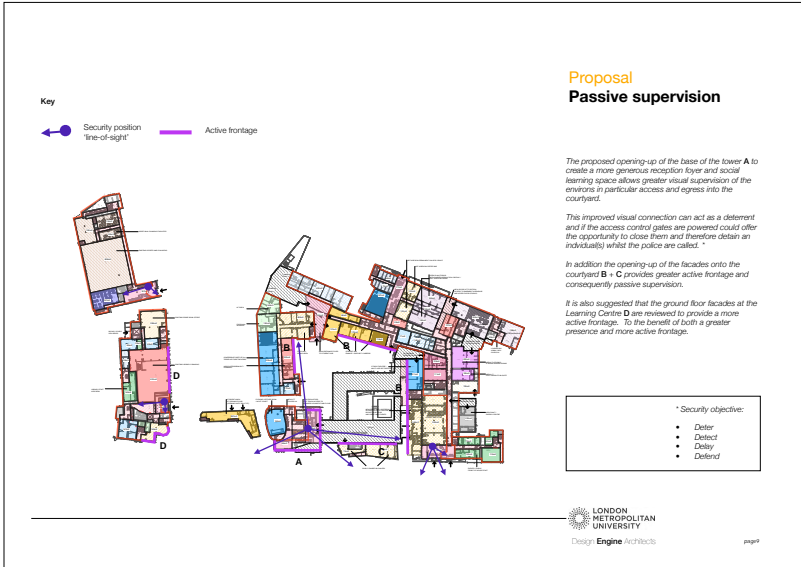
Services infrastructure strategy



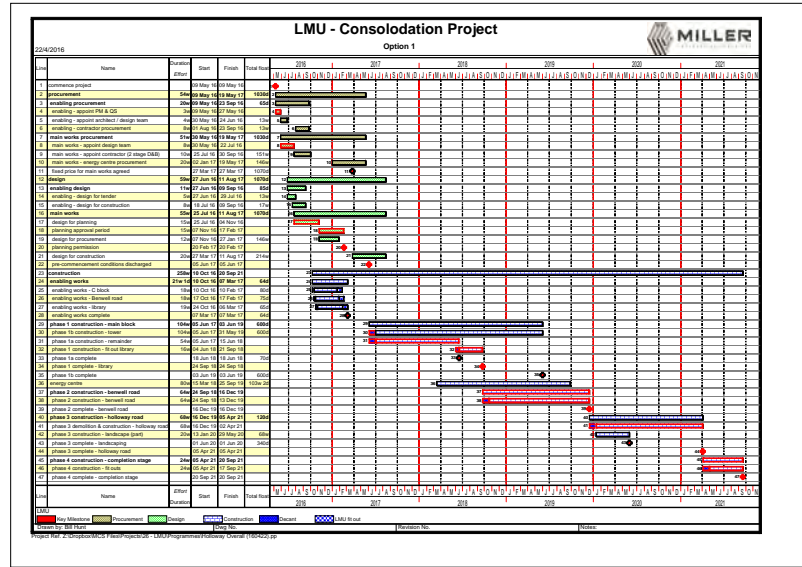
Structural review



Fire strategy

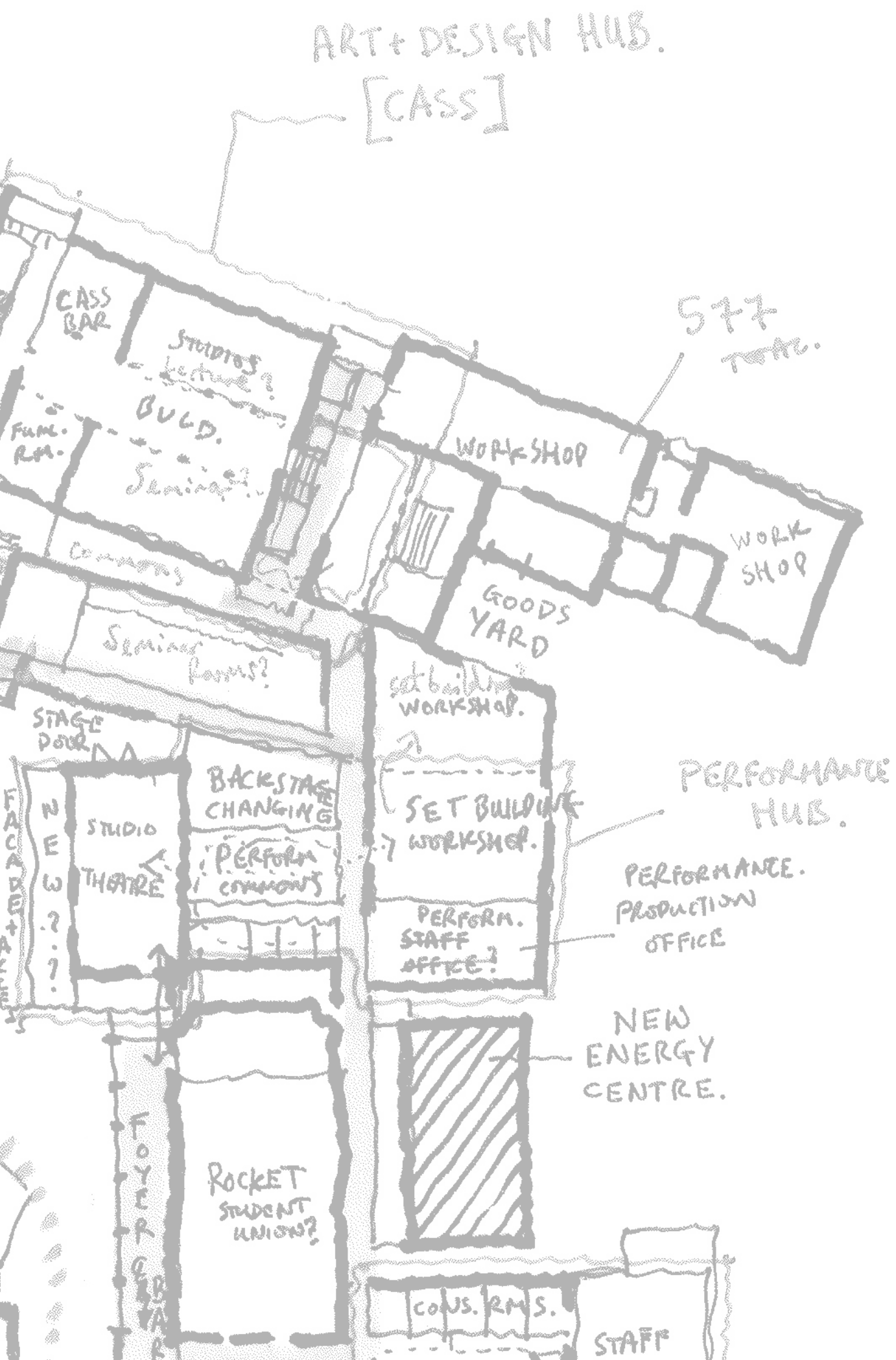


Security review



Programme analysis

Masterplan study - areas not covered by this presentation



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# an educational environment that's about ...

reaching out, inviting in

- ▶ serving multiple interests

taking advantage of being on one site

- ▶ to develop new programmes
- ▶ to provide better resources
- ▶ to create a sustainable future

embracing new ways of learning

- ▶ a campus that encourages learning through interaction
- ▶ a campus that enables diverse modes of delivery

# reaching out, inviting in

## who

Imu community  
invited partners  
general public

## what

lectures + seminars  
studios + workshops + labs  
learning resources  
enquiries + services  
student union  
cafe + dining  
gallery + exhibition/s  
conference facilities  
staff work space  
innovation/incubator space  
retail + other amenities

## why

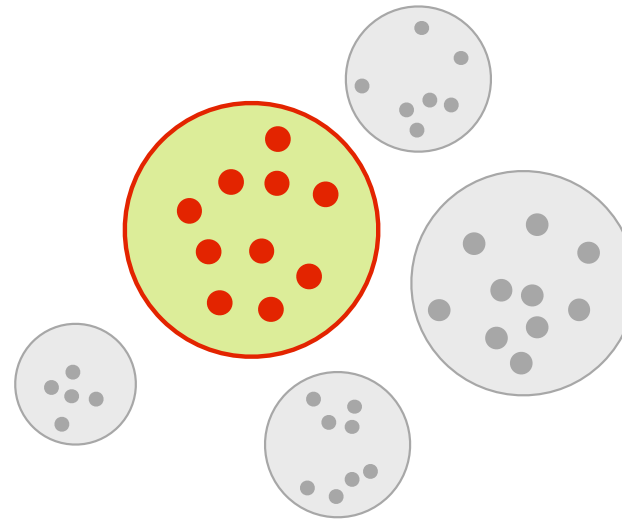
a warm welcome to all  
student convenience  
showcase activities  
flexible delivery  
widening participation  
community engagement  
social responsibility  
part of cultural offer  
industry engagement  
third stream income

## when

everyday  
occasionally  
special events

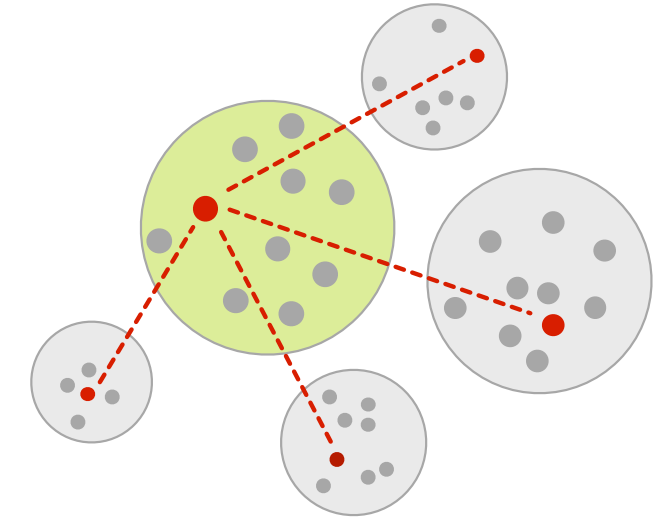
# taking advantage of being on one site

place-making for  
communities & networks



bonding

places with strong boundaries  
that allow communities to form  
and develop distinct identities



bridging

places with permeable  
boundaries that allow  
networks to grow and interact

# embracing new ways of learning

## learning on-site

- ▶ supporting byod (bring your own device)
- ▶ focusing on conversations, doing and making
- ▶ making non-timetabled activities as important as timetabled activities
- ▶ structuring programmes for blended-learning delivery

## learning on-line

- ▶ delivering professionally-accredited programmes on-line
- ▶ enabling students to work collaboratively by virtual means
- ▶ providing high-quality virtual contact hours



# space budget totalling 58,200 sqm gia

space type	sqm	%	
teach+learn general	7,760	13%	<i>to communicate &amp; reflect</i>
teach+learn special	10,360	18%	<i>to make &amp; do</i>
teach+learn support	6,990	12%	<i>to inform &amp; inspire</i>
staff offices	7,230	12%	<i>to collaborate &amp; innovate</i>
central functions	6,040	10%	<i>to support &amp; celebrate</i>
circulation	14,110	24%	<i>to connect &amp; belong</i>
balance	5,710	10%	<i>to function well</i>
total	58,200	100%	

# space budget allocation for teach+learn

shifting the focus

- ▶ more informal learning
- ▶ more working in groups
- ▶ more making and doing



seminar/tutorial space	6,460	
lecture space	1,300	
<b>teach+learn general</b>	<b>7,760</b>	<b>13%</b>
art+design studios	3,230	
art+design workshops	1,180	
digital studios/labs	1,300	
rehearsal+performance space	300	
computing labs	1,880	
science labs (inc research)	1,790	
sports science labs	680	
<b>teach+learn special</b>	<b>10,360</b>	<b>18%</b>
study commons	4,940	
library quiet study	700	
library book stacks	1,350	
<b>teach+learn support</b>	<b>6,990</b>	<b>12%</b>
<b>total gia</b>	<b>58,200</b>	<b>100%</b>

# space budget allocation for central functions

accessible to everyone

- ▶ the student experience
- ▶ the staff experience
- ▶ the visitor experience



student hubs (services, union)	690	
promote+showcase	1,730	
catering	1,920	
sports	1,300	
campus services back-of-house	400	
<b>central functions</b>	<b>6,040</b>	<b>10%</b>
<b>total gia</b>	<b>58,200</b>	<b>100%</b>

teach+learn general

***to communicate & reflect***

13% of space budget

- ▶ lecture space
- ▶ seminar/tutorial space

# lecture theatres are changing

refurb



new build



# lecture theatres are being replaced



lecture activities are spilling out



# classrooms are increasingly diverse



# fix + flex



lecture



groups



brainstorm



pin-up



boardroom

fix + flex



lecture



groups



brainstorm

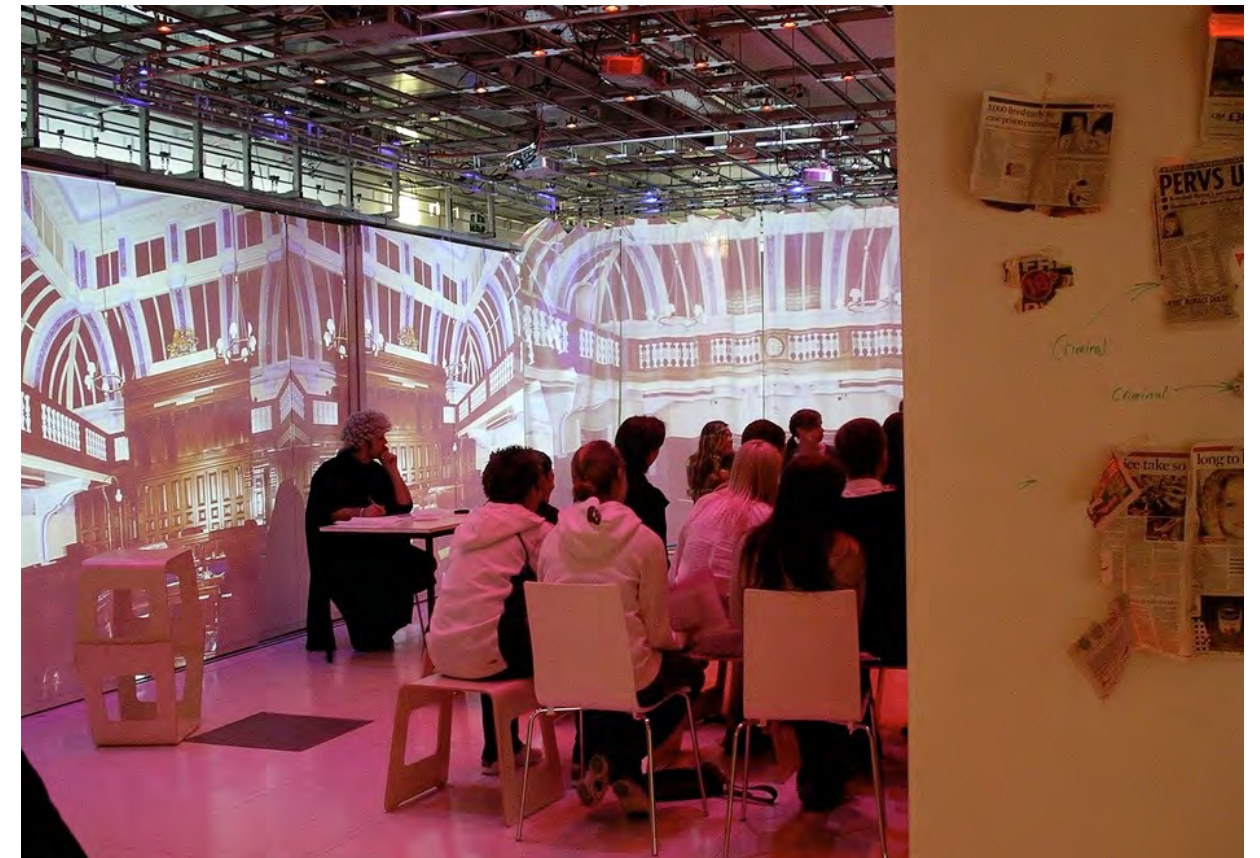
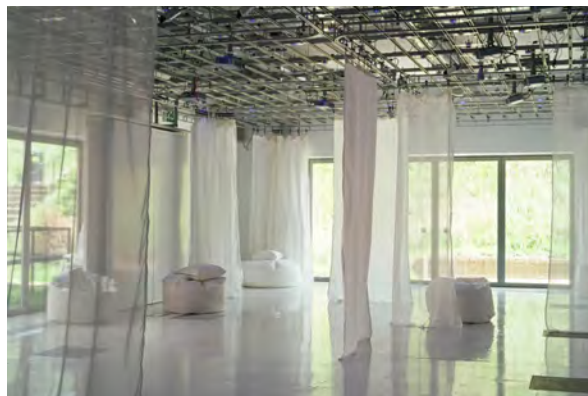


pin-up

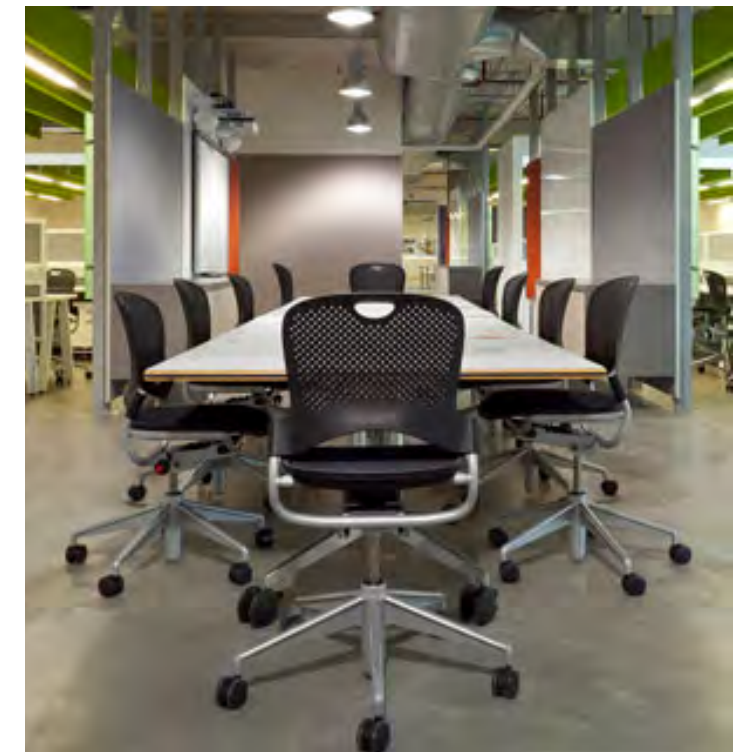


boardroom

one space for one activity after another



# movable boundaries



*building 6 podium extension  
university of technology sydney*



# teach+learn special

***to make & do***

18% of space budget

- ▶ art+design studios
- ▶ art+design workshops
- ▶ digital studios/labs
- ▶ rehearsal+performance space
- ▶ computing labs
- ▶ science labs
- ▶ sports science labs

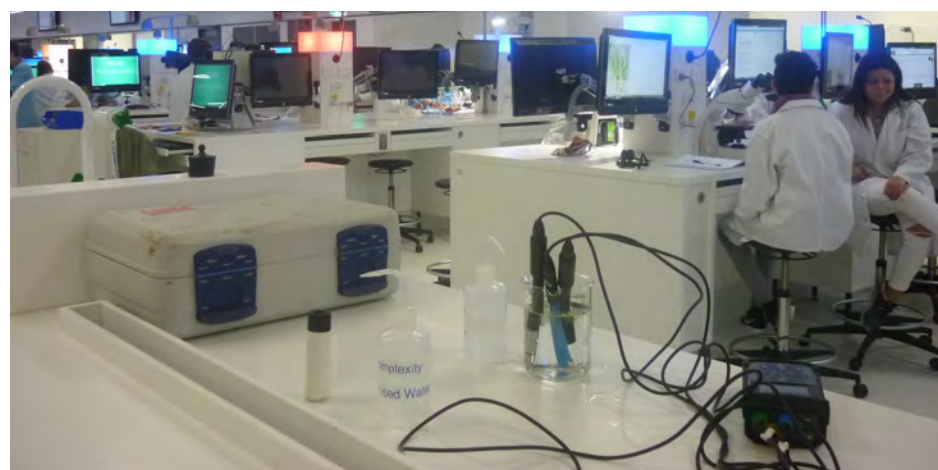
# harvard-style lectures go digital

tv studio for case-method pedagogy where  
video wall mimics amphitheatre-style seating

up to 60 participants join real-time, case-based  
sessions while in-between on-campus modules  
and back at work



# science lab for multi-group use



hands-on help via visualiser  
access to online resources  
red-light to call for assistance  
effective supervision  
adjacent seminar spaces



university of technology sydney

workshop with everything on wheels



# workshop that works for different activities



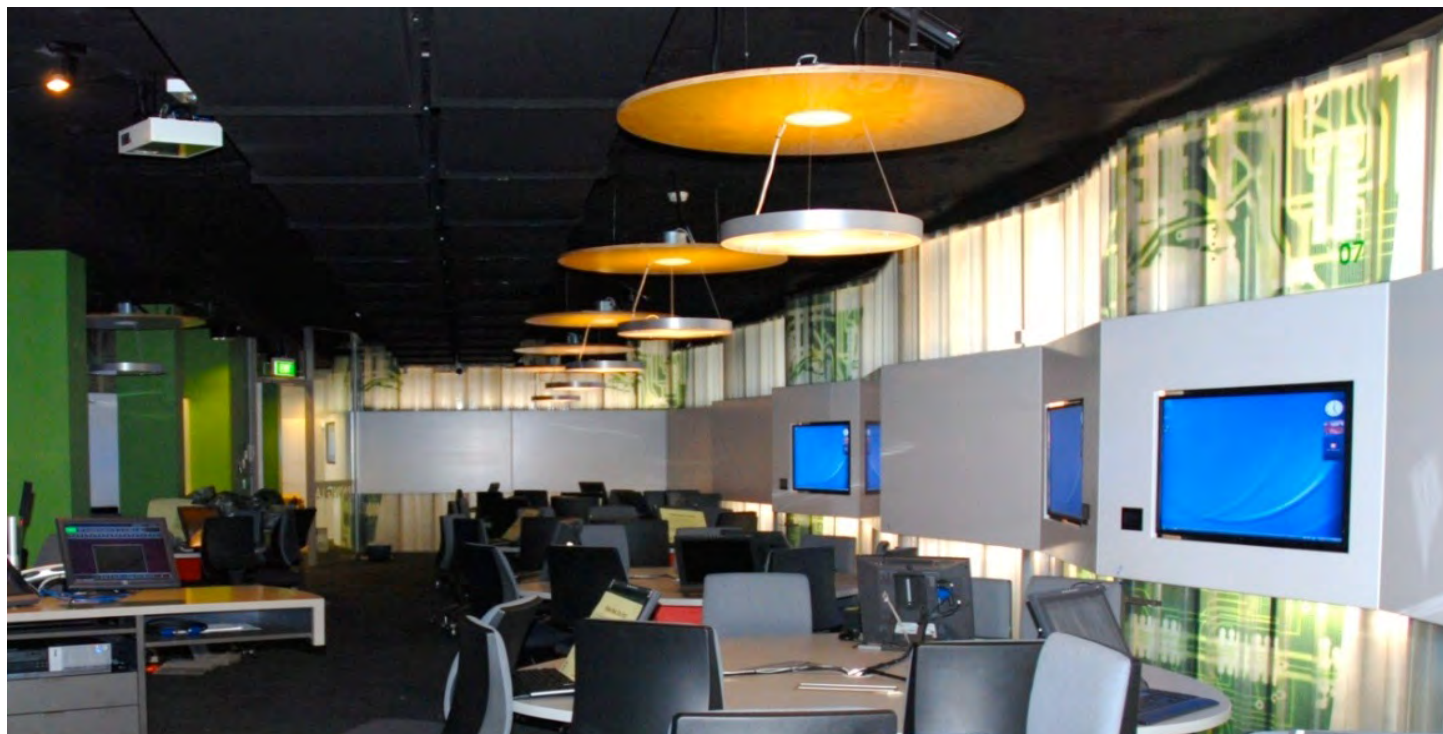
engineering workshop, queensland university of technology

# digital studio/lab

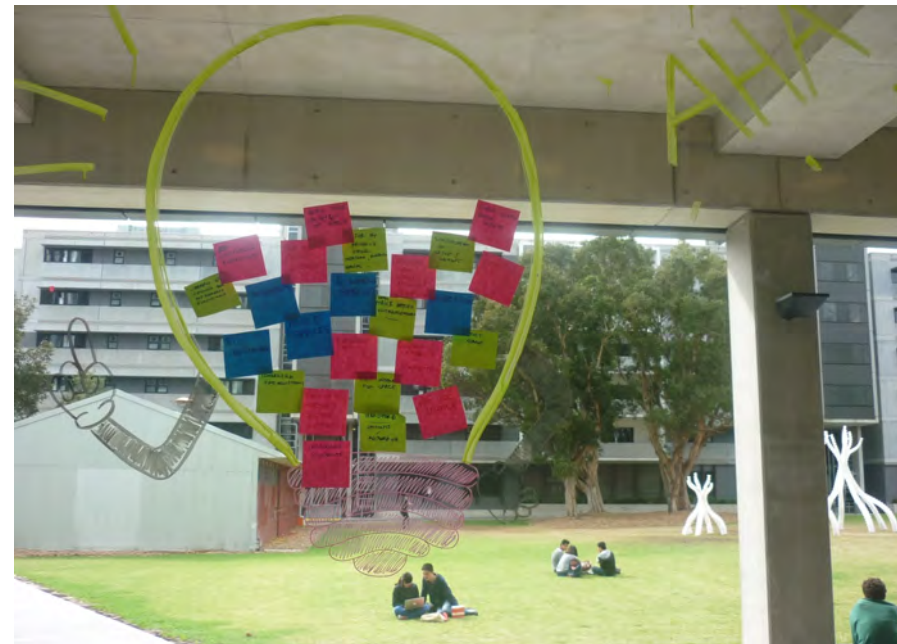
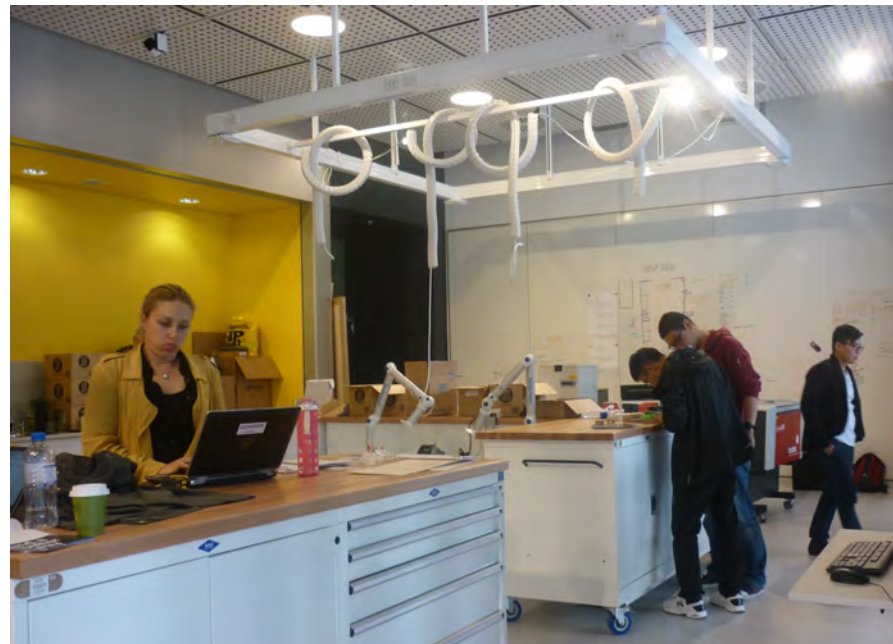
using technology in many ways ...



# digital studios/labs



# engaging with industry



a new kind of  
student experience



*Michael Crouch Innovation Centre (MCIC)*

open to all students

co-curricular learning programs  
facilitated by UNSW experts and  
network of corporate partners

a space where students with  
innovative ideas can find cross-  
discipline collaborators, resources  
and support to develop their ideas  
as quickly as possible

# teach+learn support

# *to inform & inspire*

12% of space budget

- ▶ study commons
- ▶ library quiet study
- ▶ library book stacks

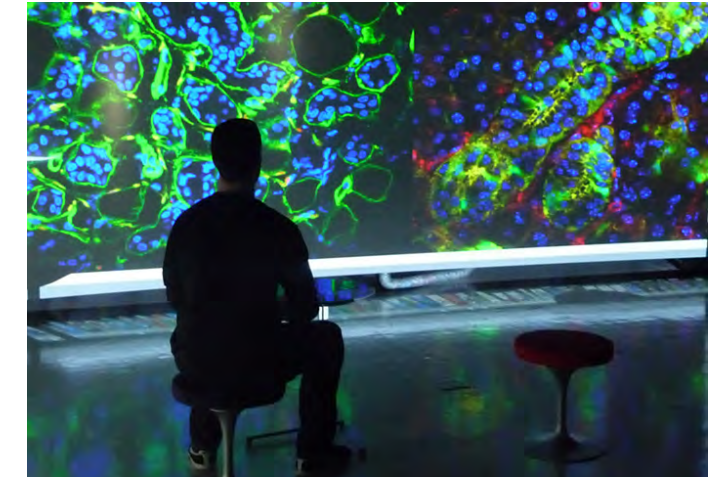
# extending the library's reach ...



*hunt library (nc state university, usa) ... 75 types of seating ...*

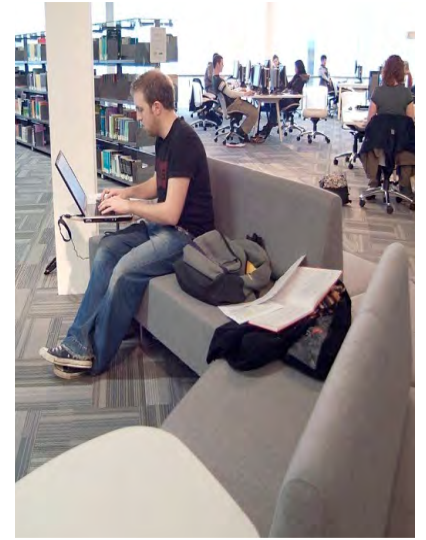


*enabling range of immersive learning situations ... interactive use of ict/av ...*



*supporting data exchange with mobile devices ...*

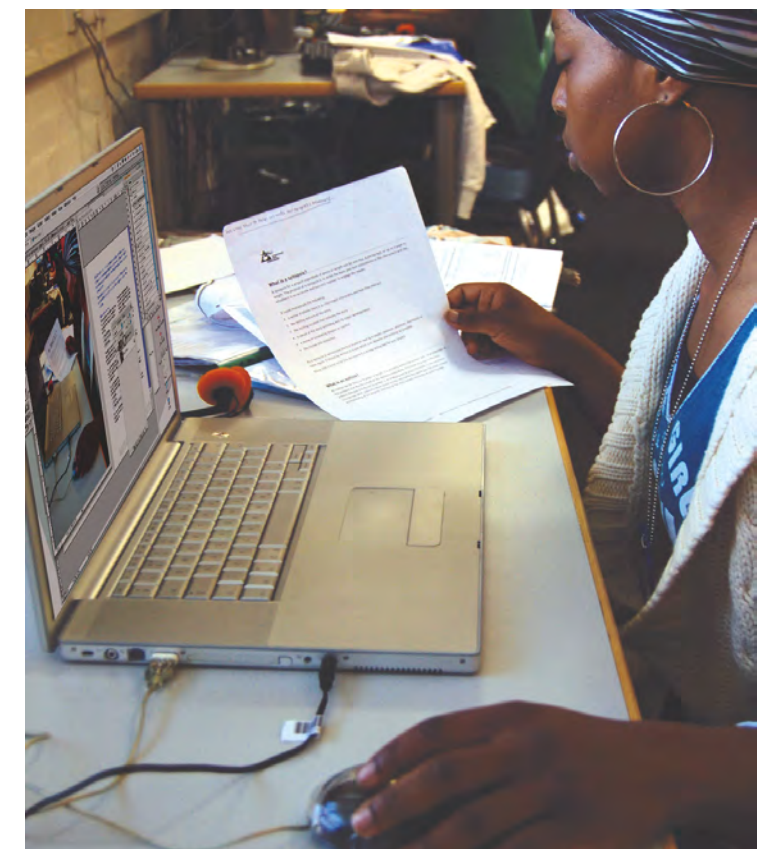
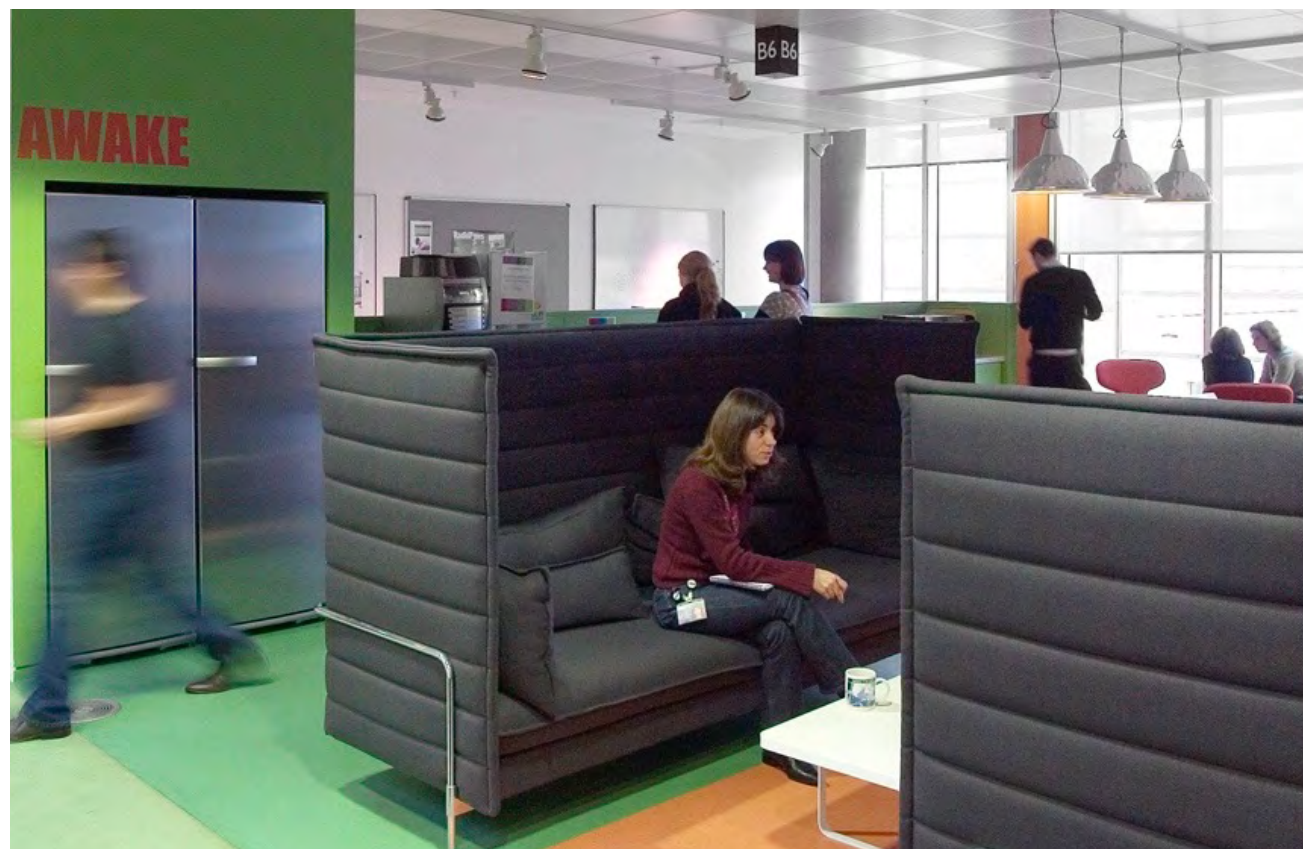
# working with multi-media resources



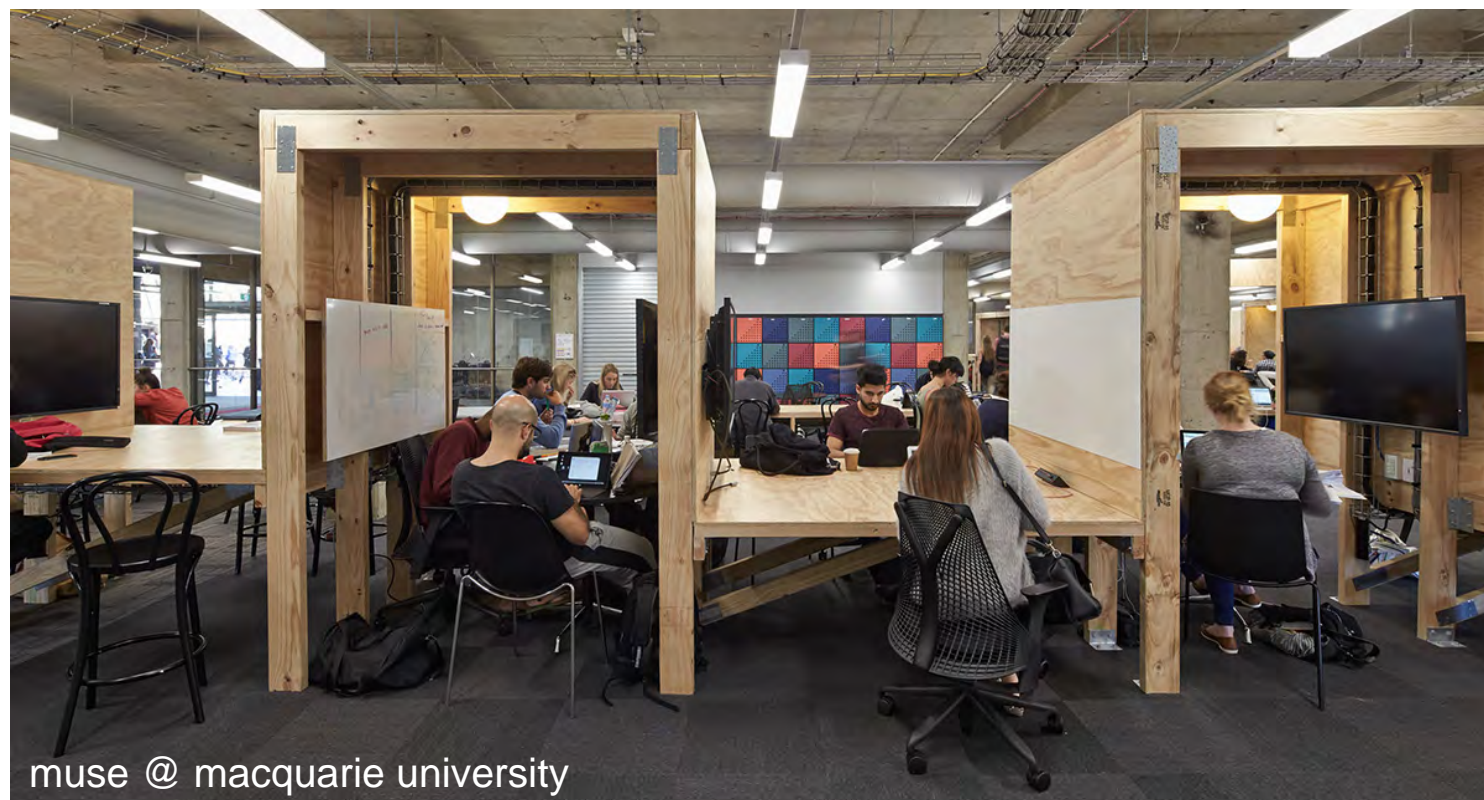
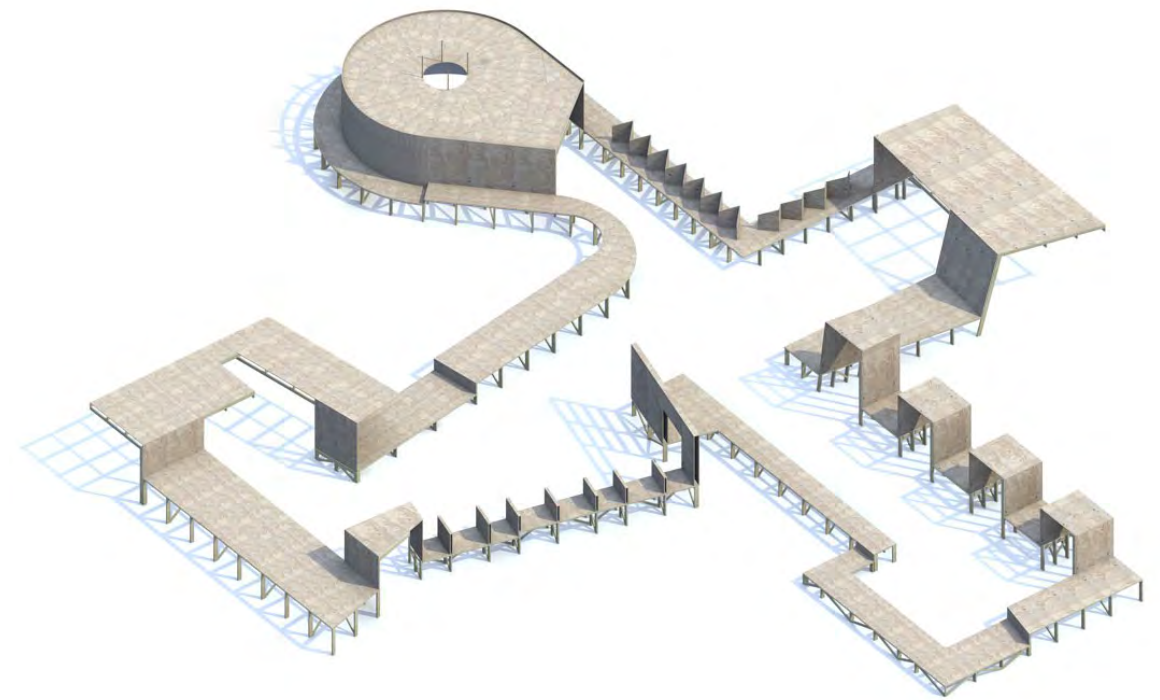
# power+data - everywhere



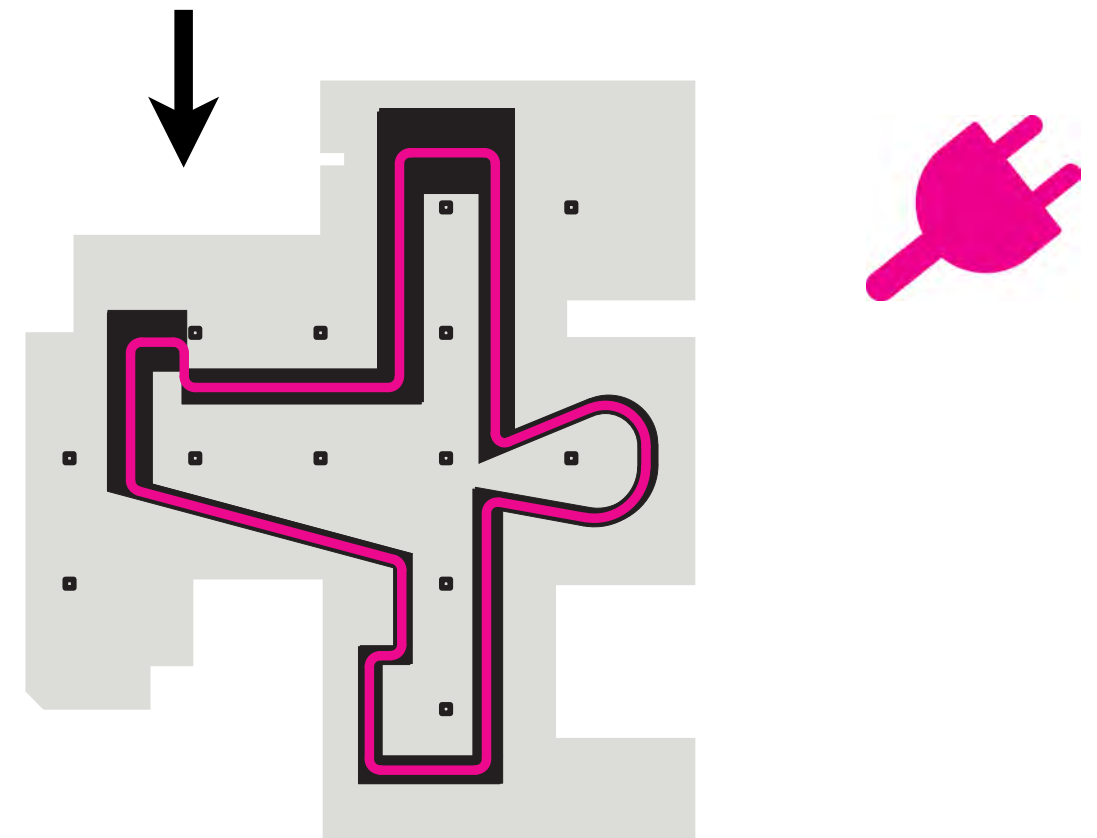
# one-to-one tutorials in various locations



# study commons as pop-up



muse @ macquarie university



circulation

***to connect & belong***

24% of space budget

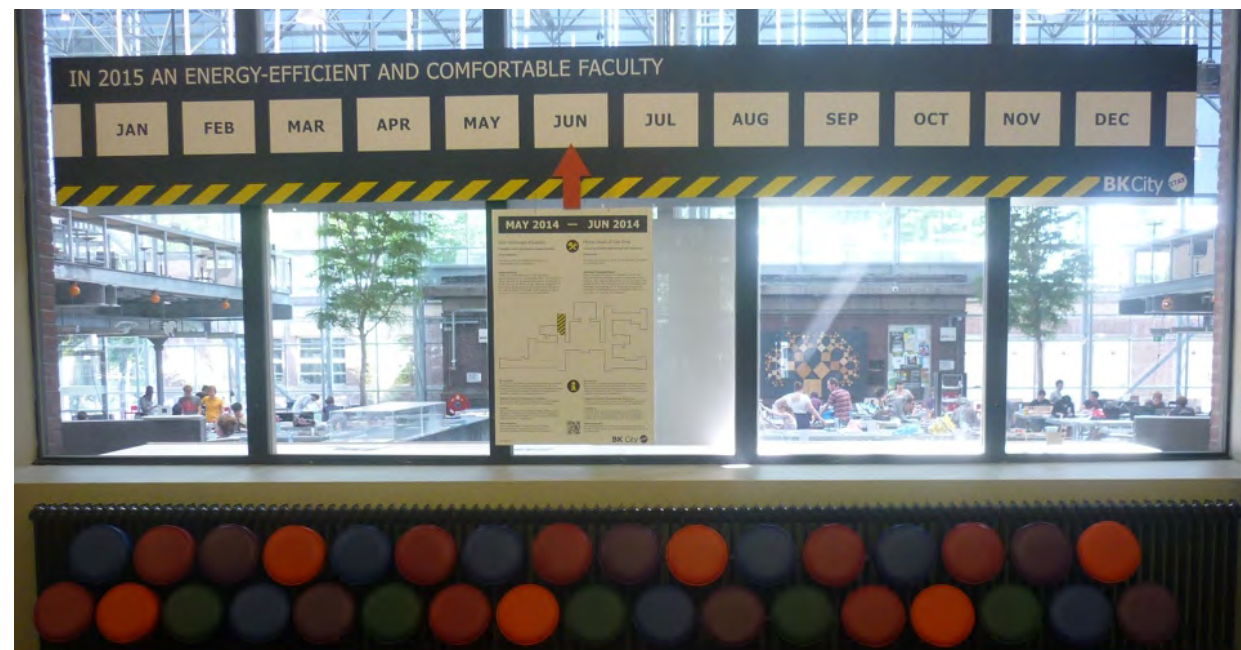
# circulation that's not just 'balance' space



# circulation that expands awareness



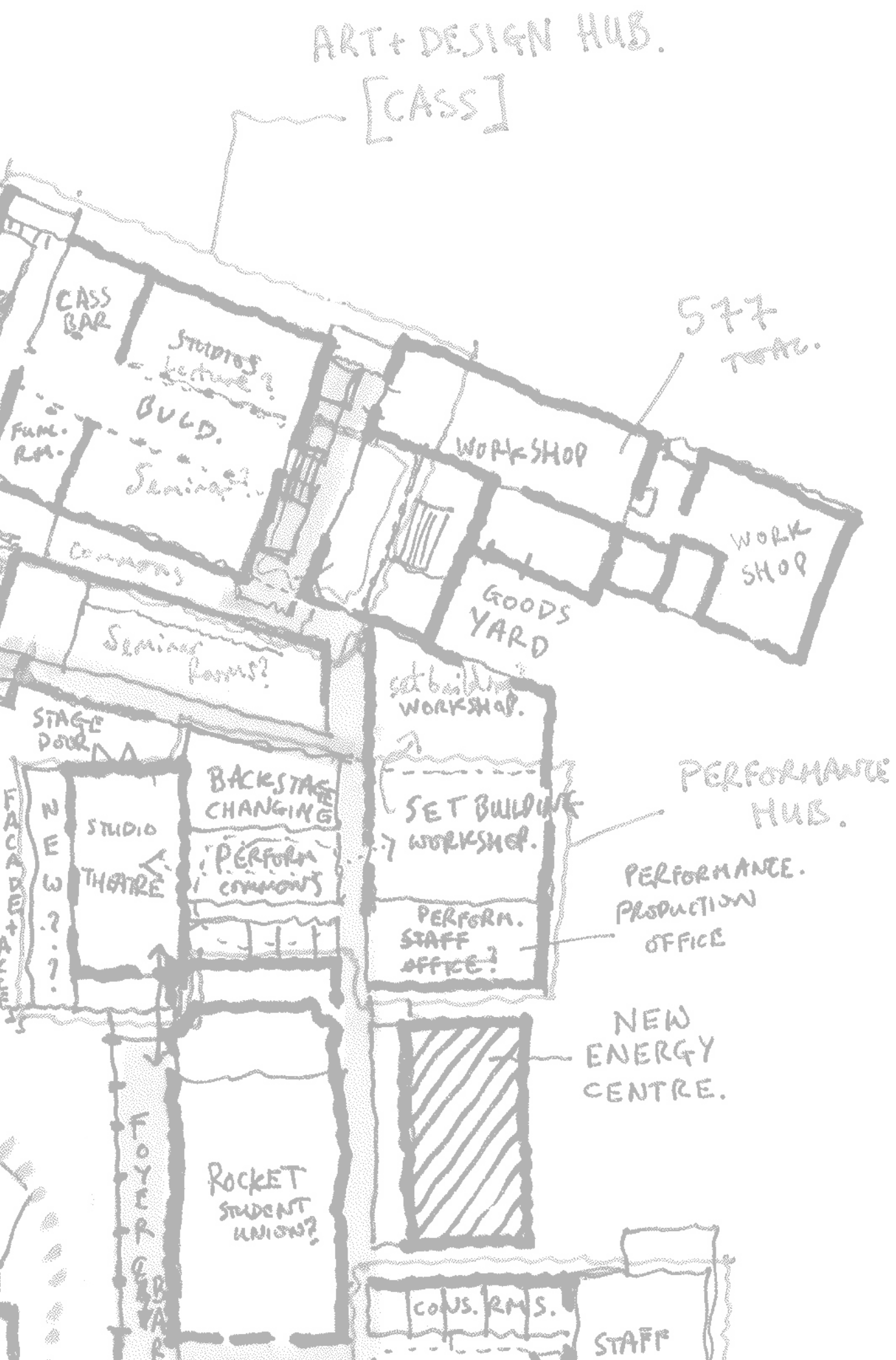
# circulation that makes work visible



circulation that supports big events



36

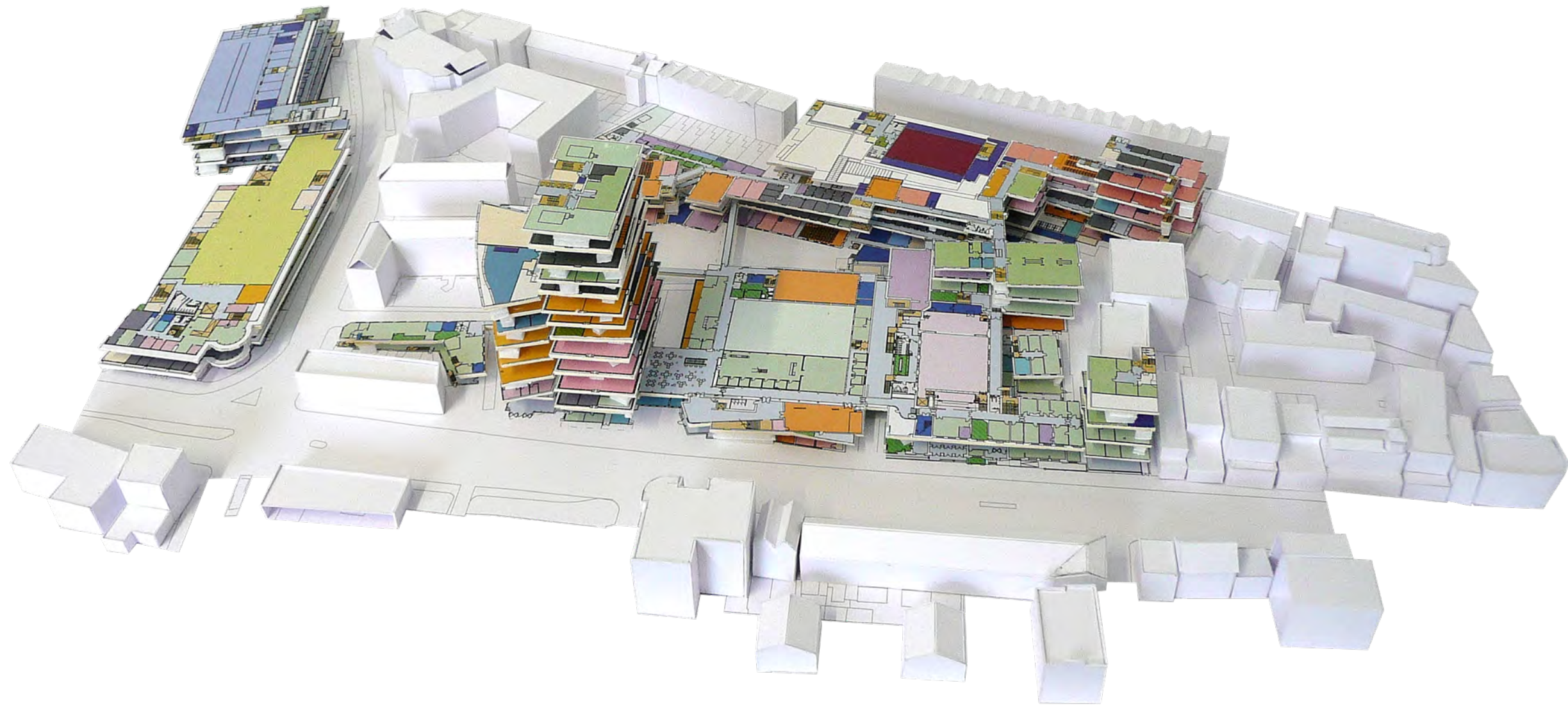


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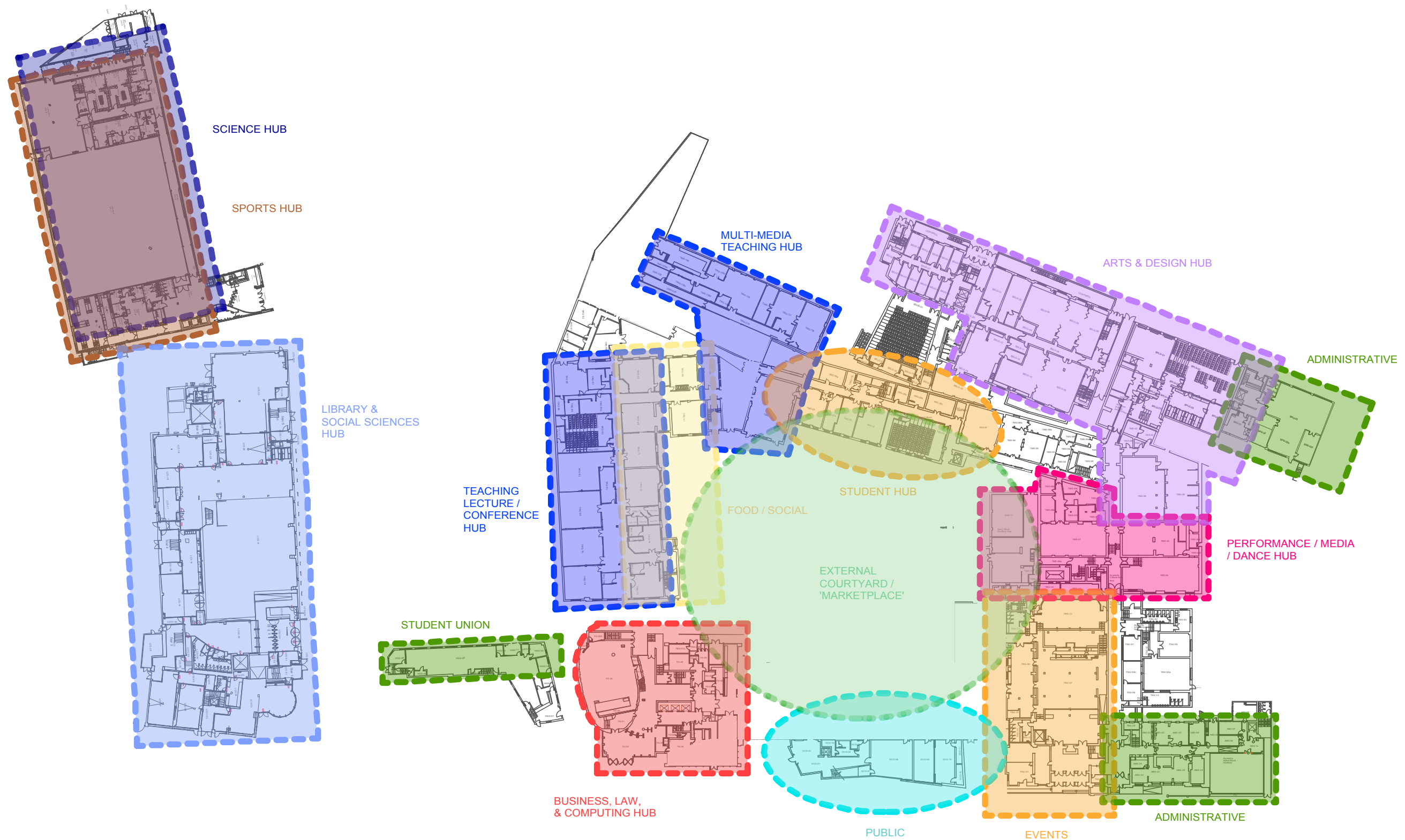
Campus layout

Public realm



## Buildings review - sketch model

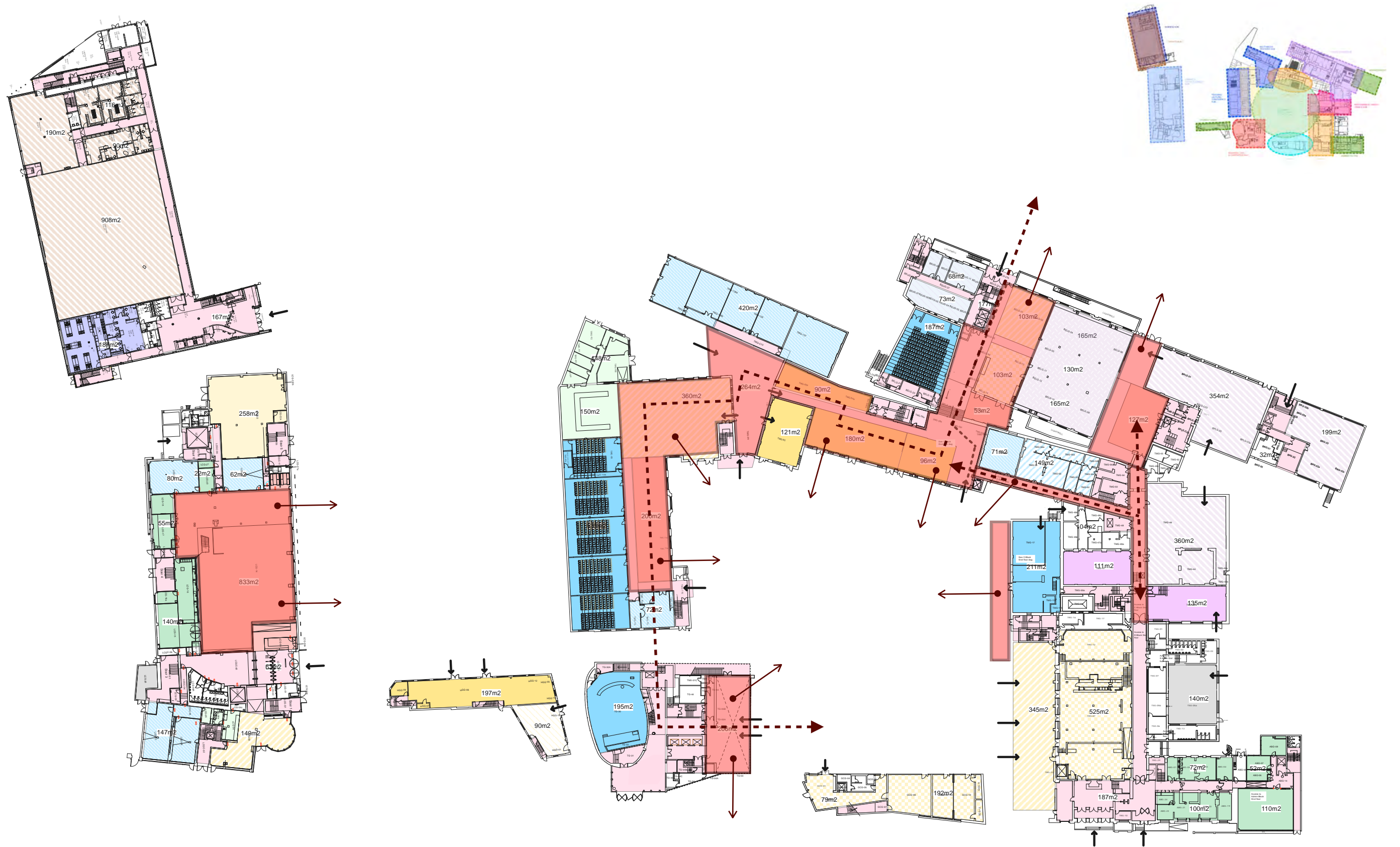




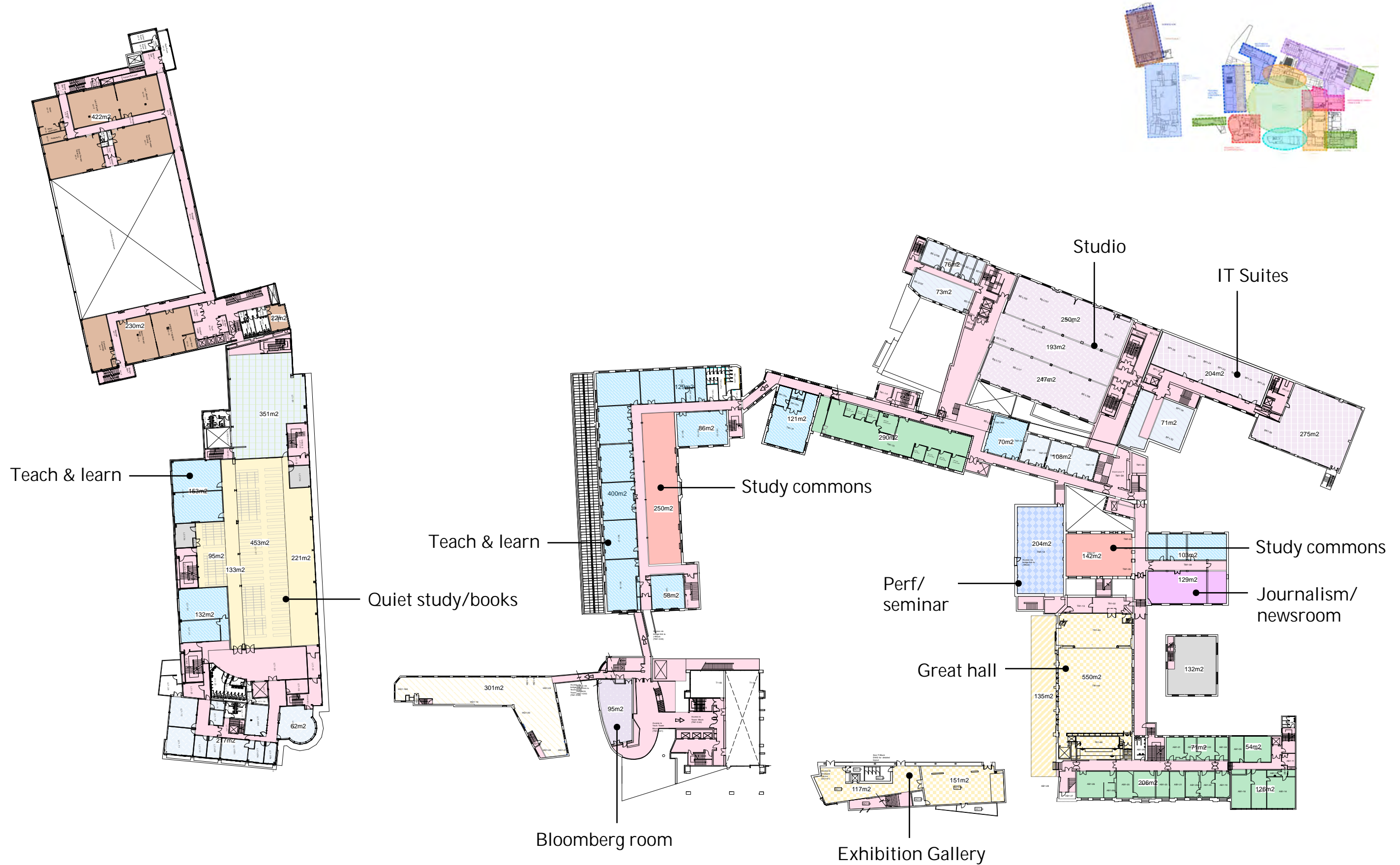
## Masterplan 'Hubs' - overview



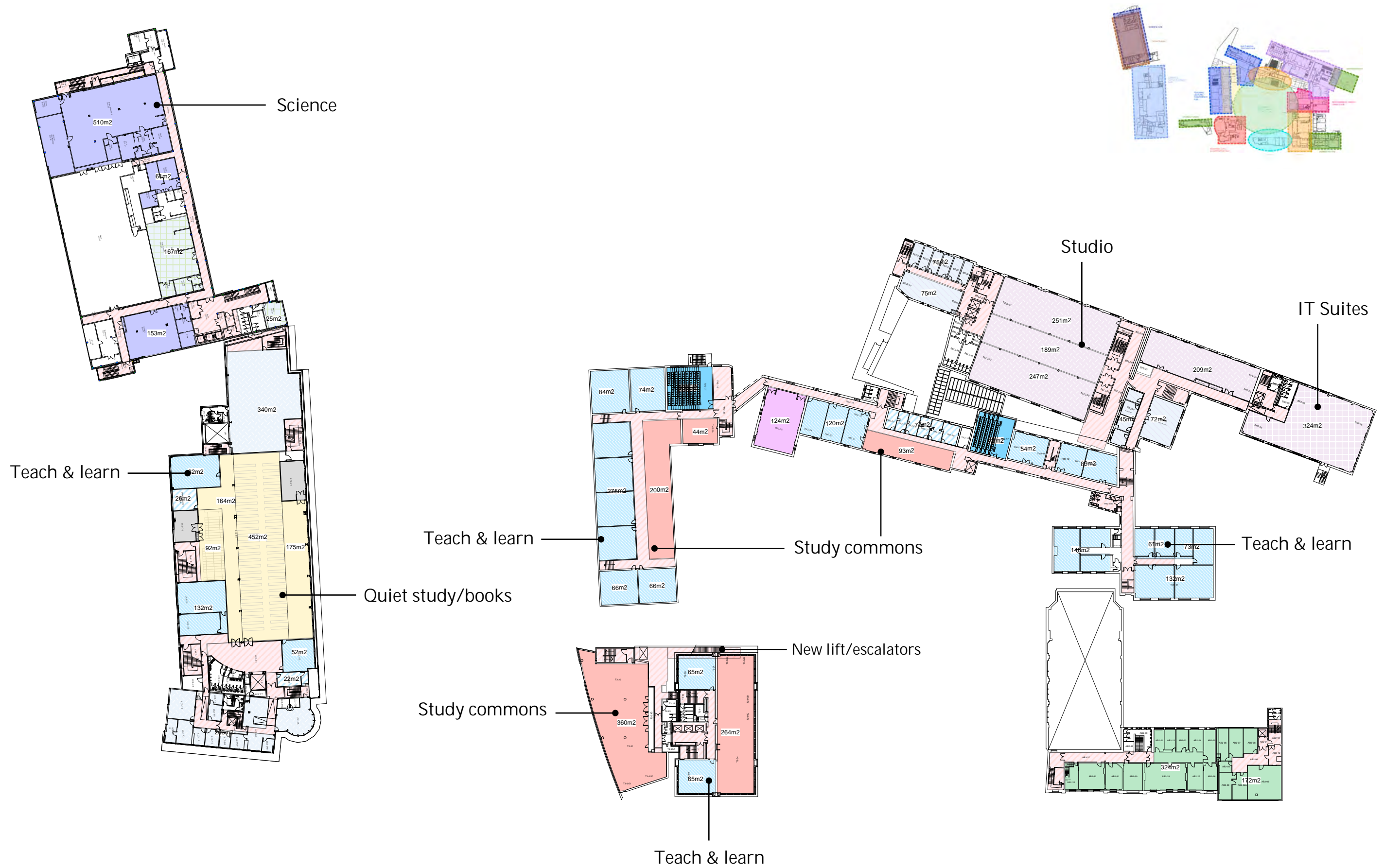




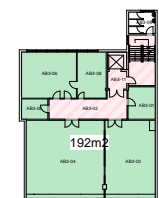
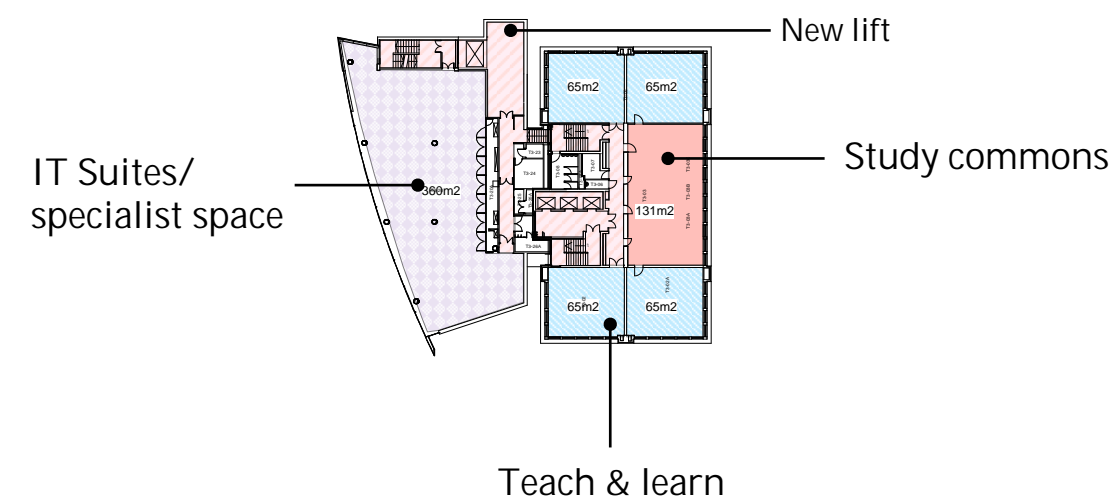
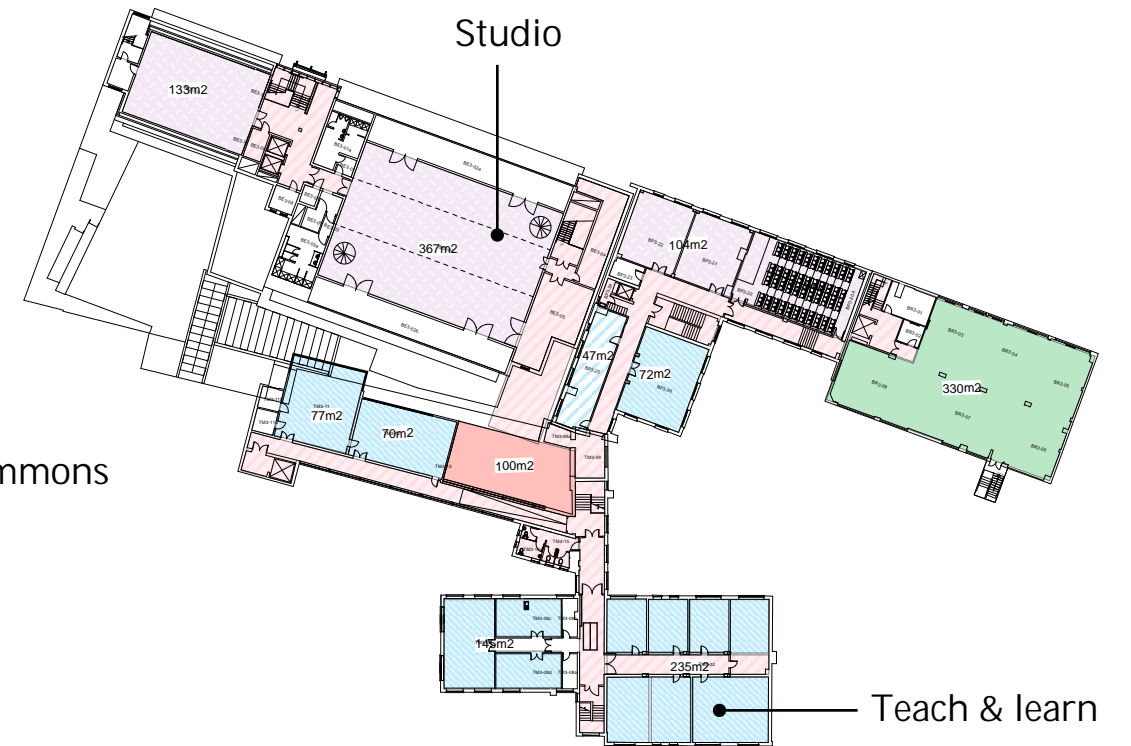
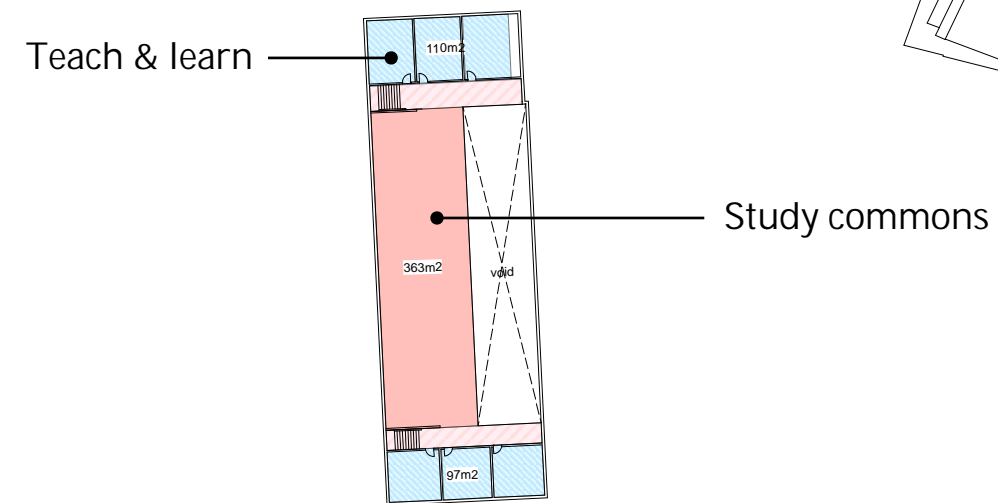
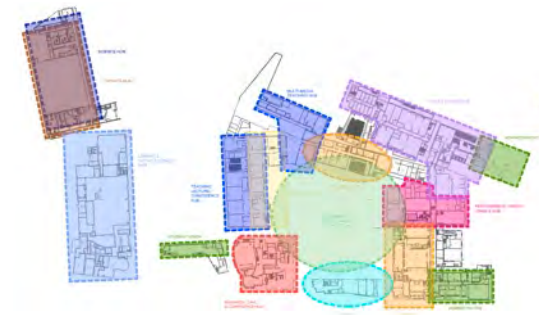
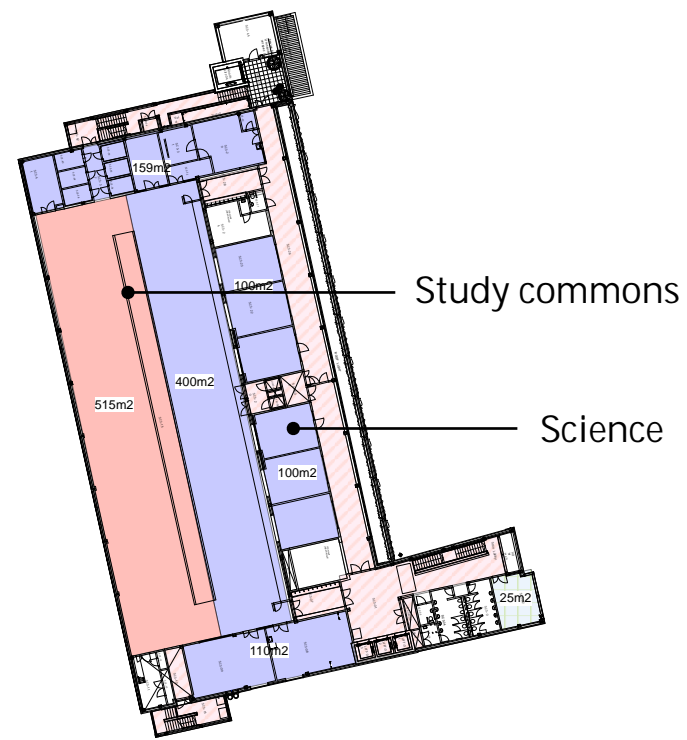
Level 0 - connected space



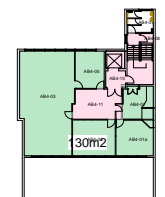
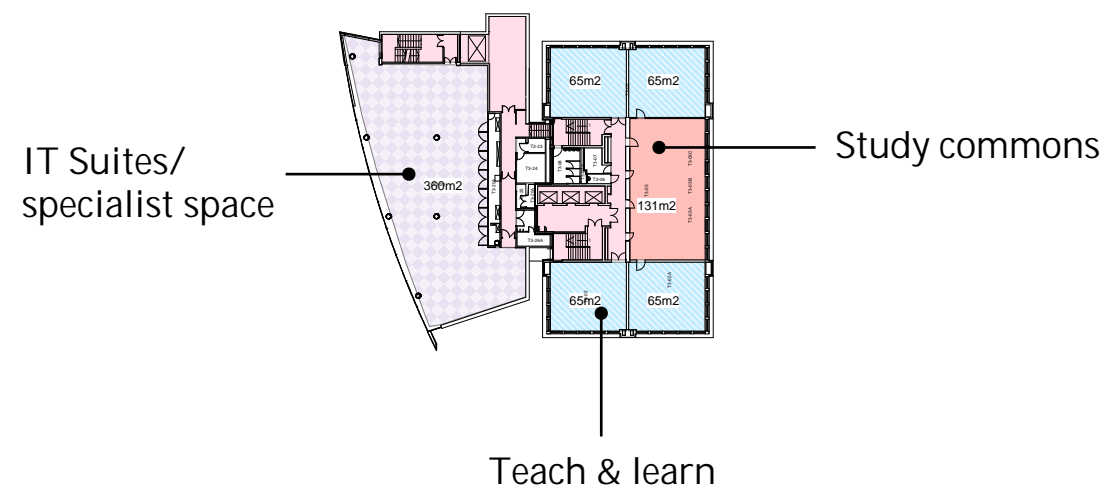
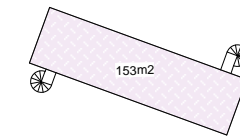
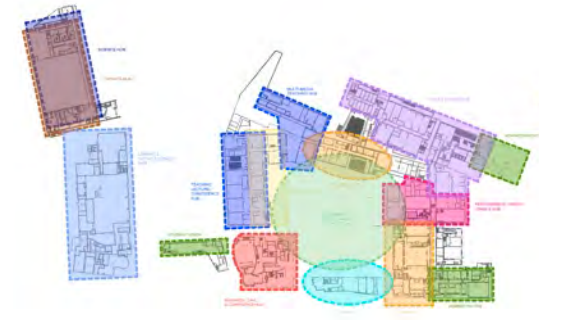
Level 1



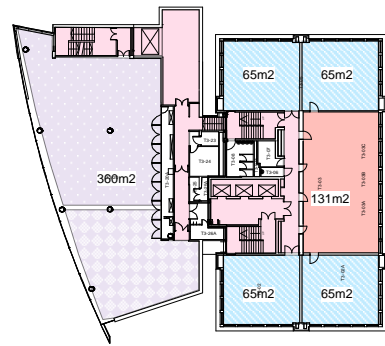
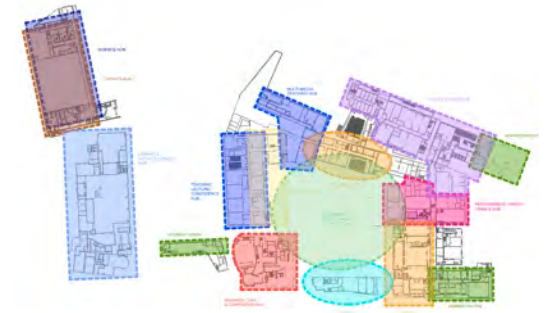
Level 2



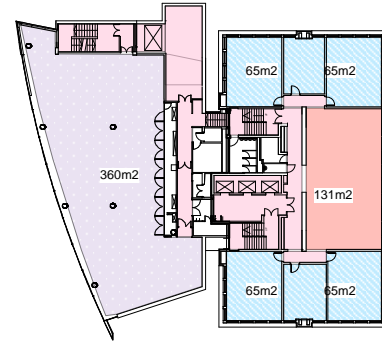
Level 3



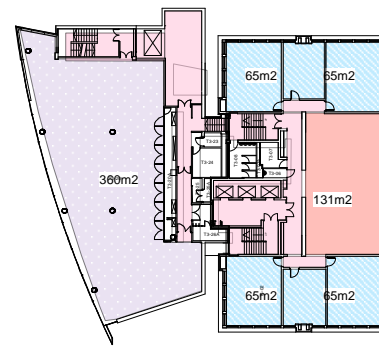
Level 4



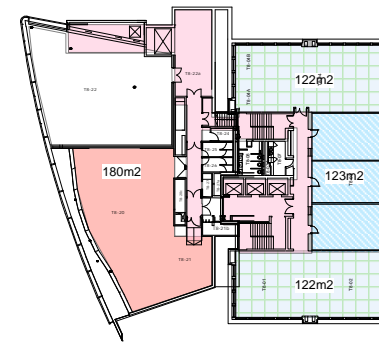
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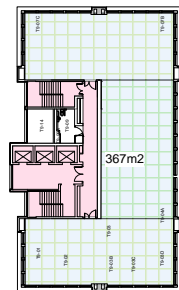
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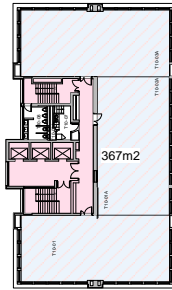
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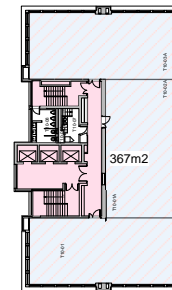
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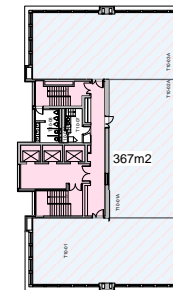
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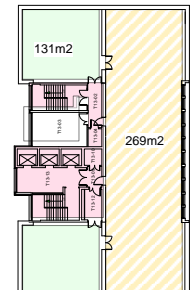
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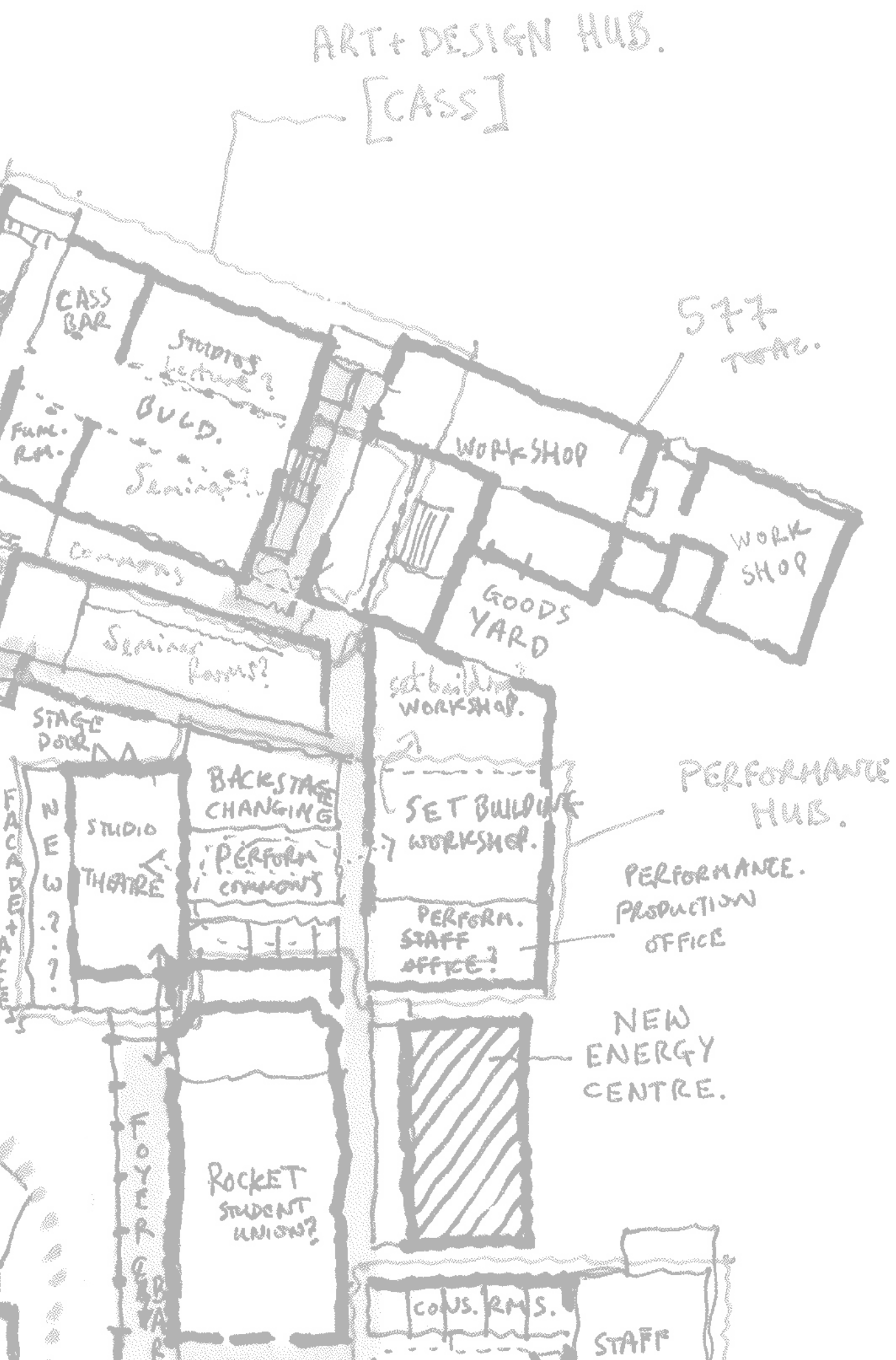


12



13

Upper levels

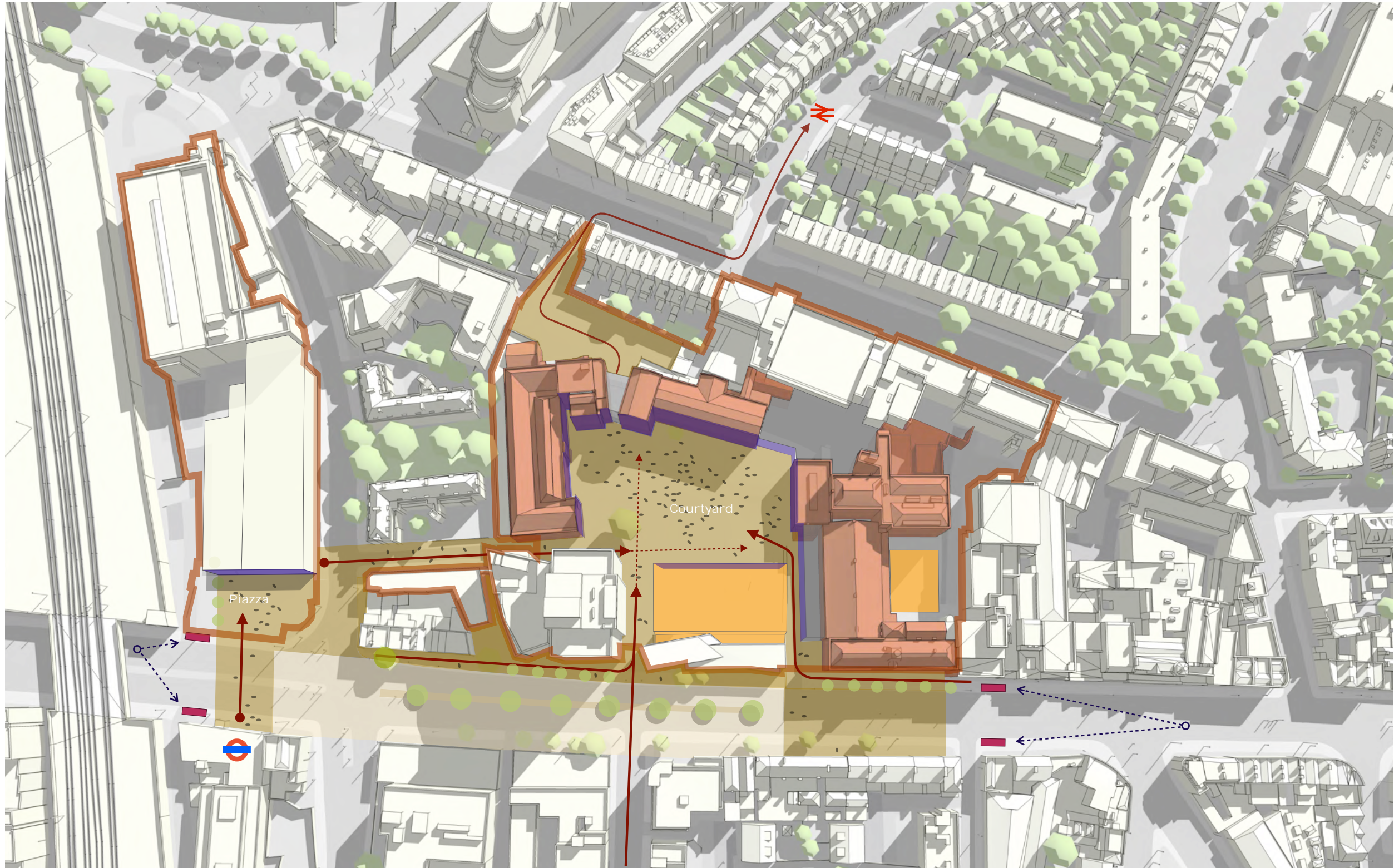


Introduction

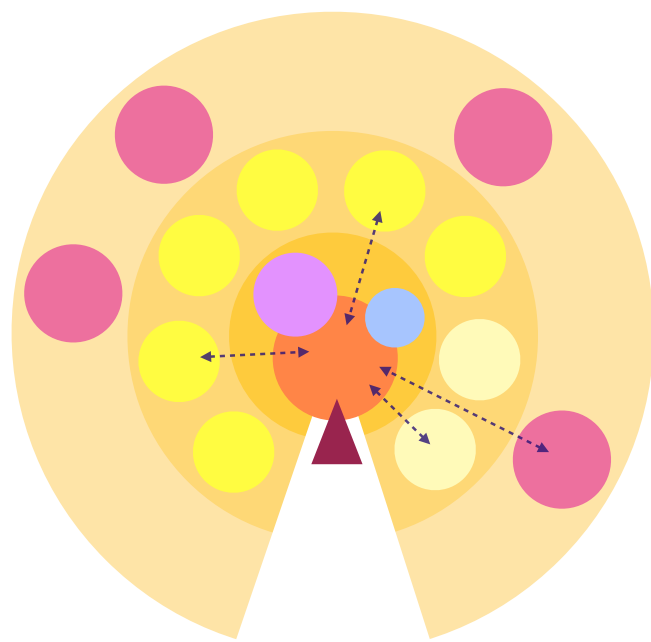
The space model

Campus layout

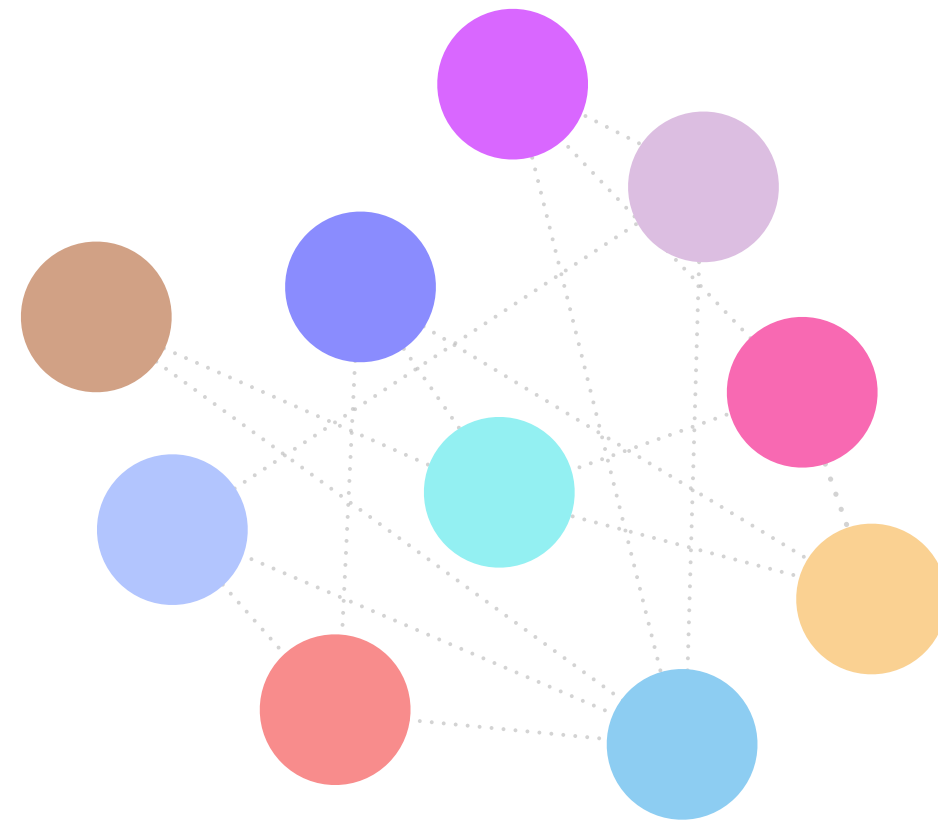
Public realm



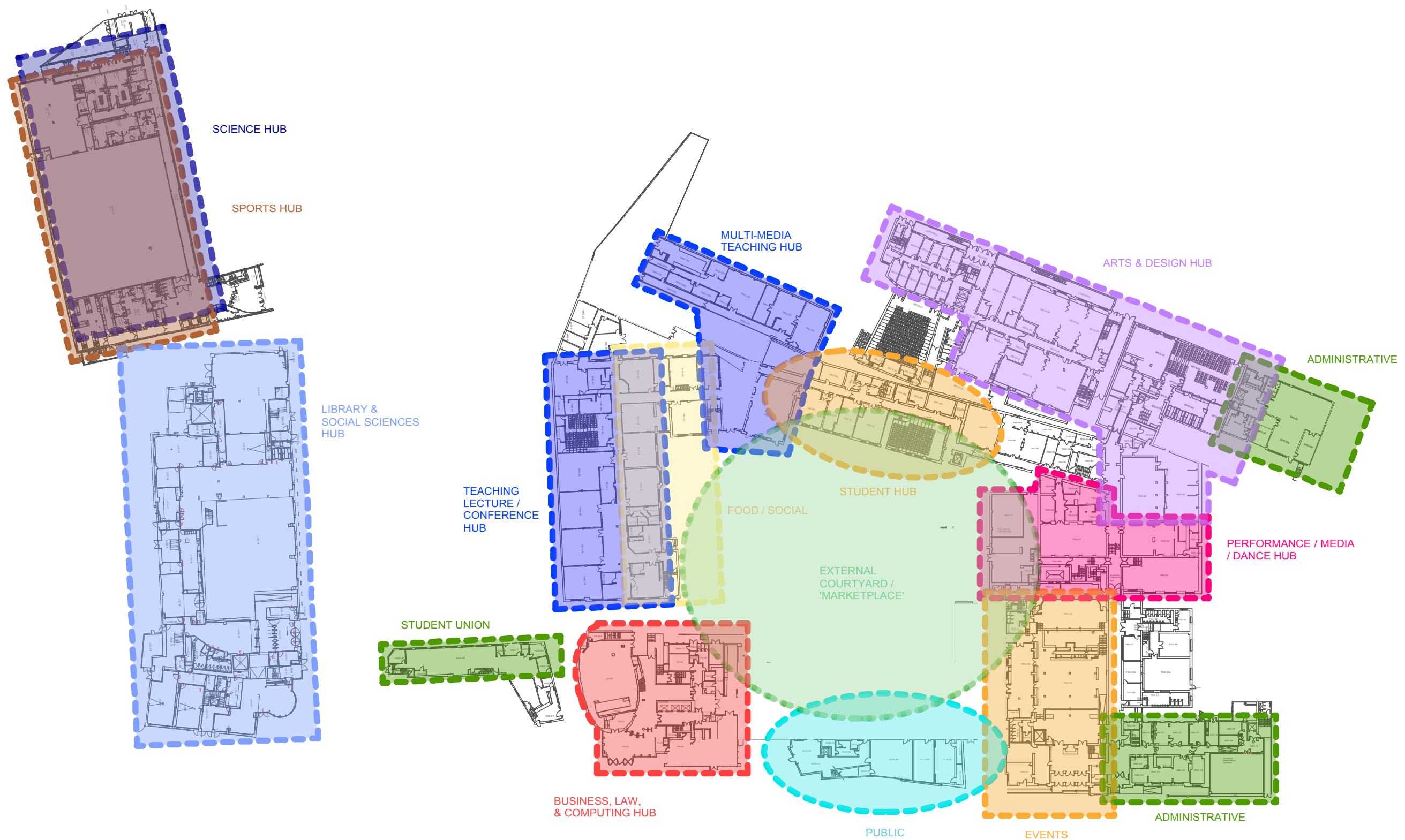
Space - permeability



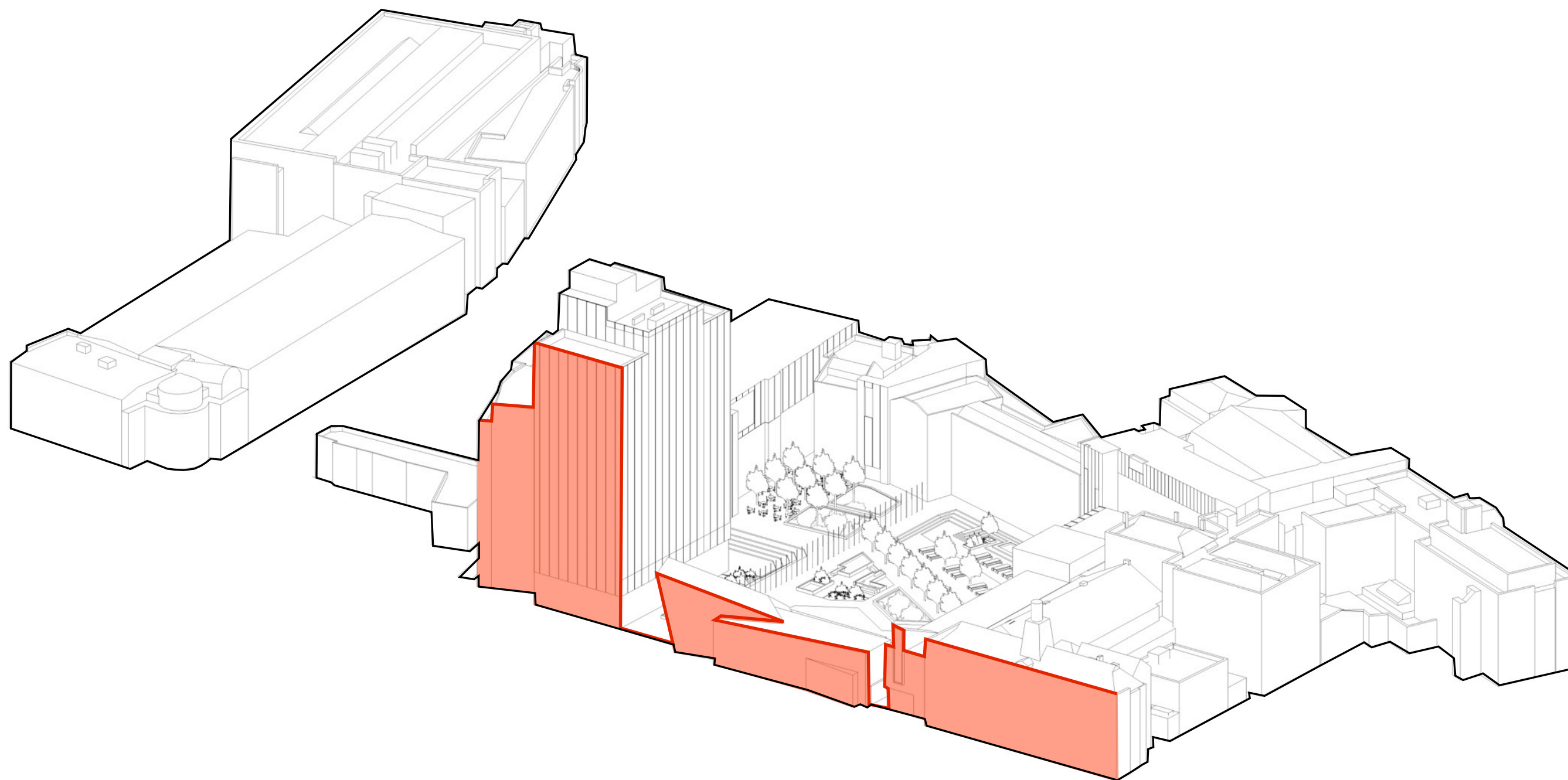
one heart



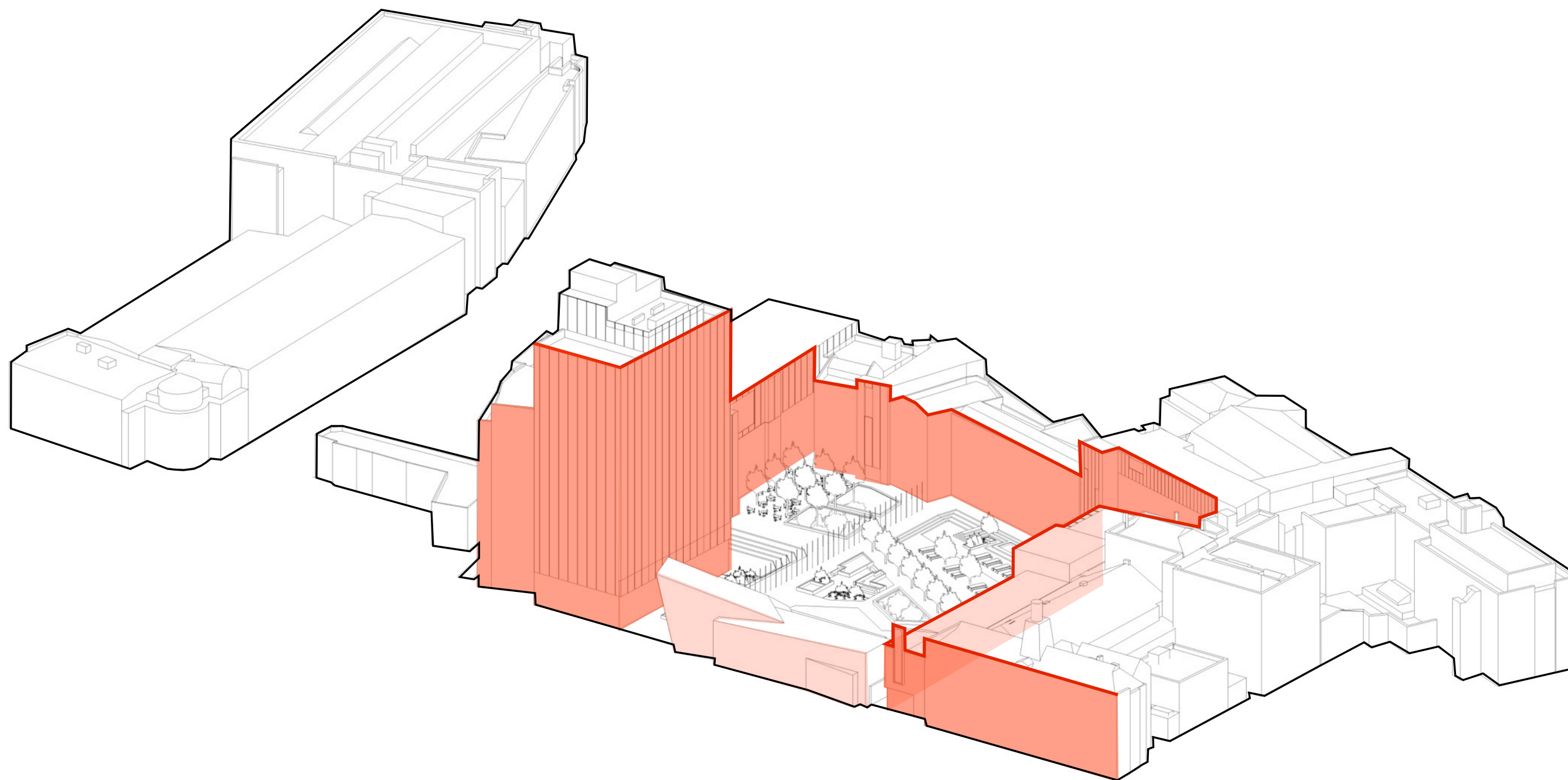
many hearts



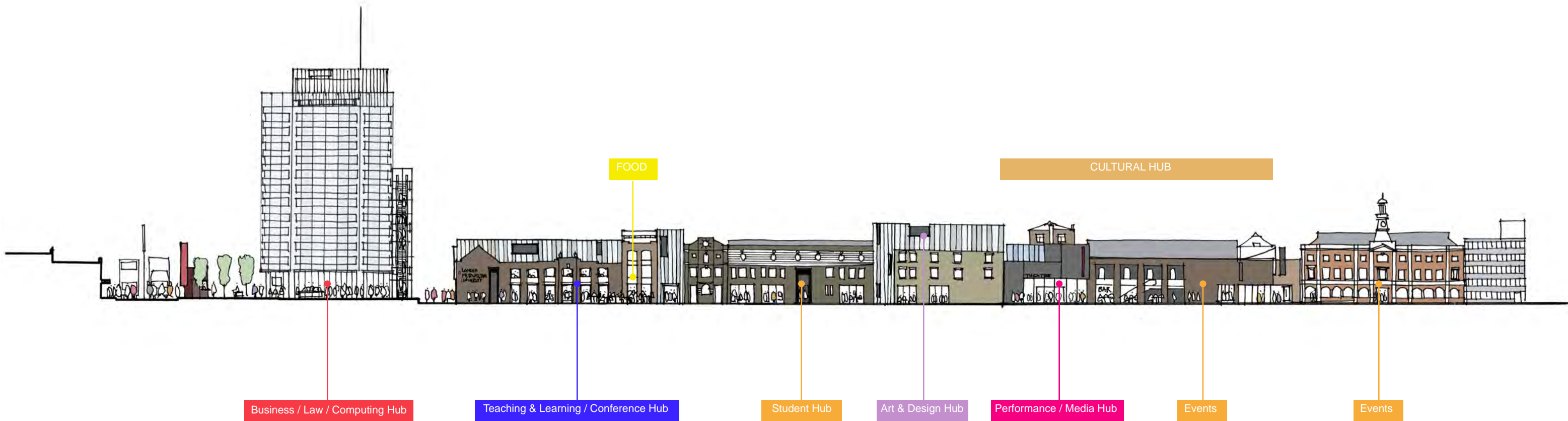
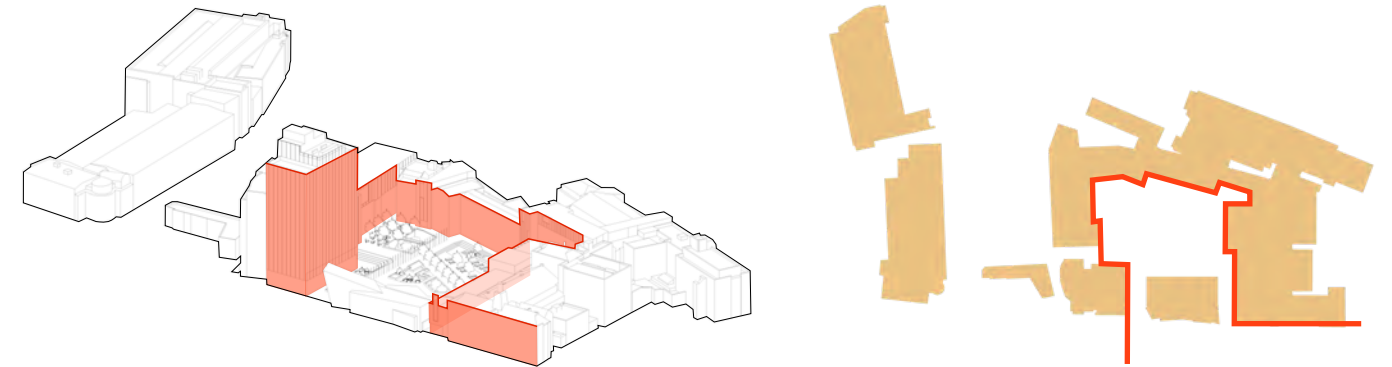
## Masterplan 'Hubs' - overview



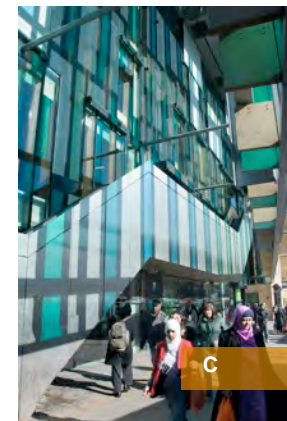
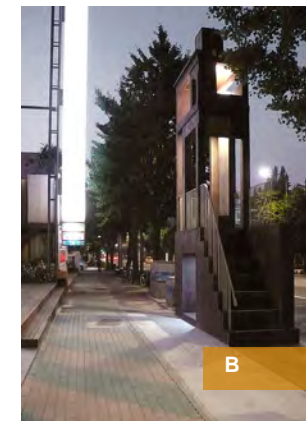
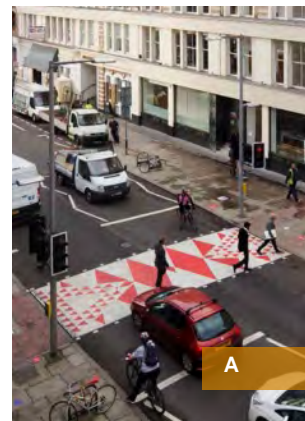
'Shopfront' - Holloway Rd



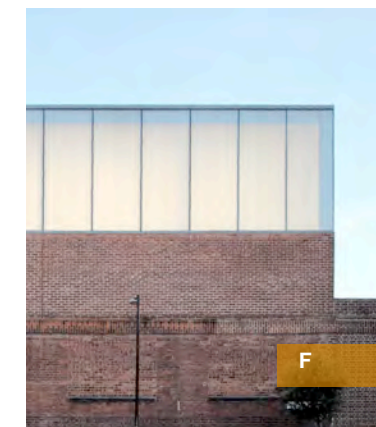
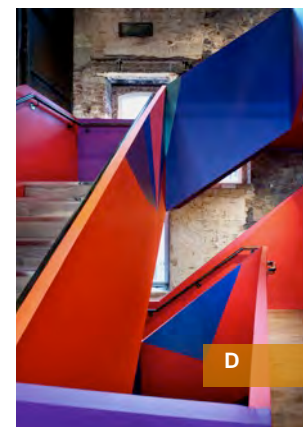
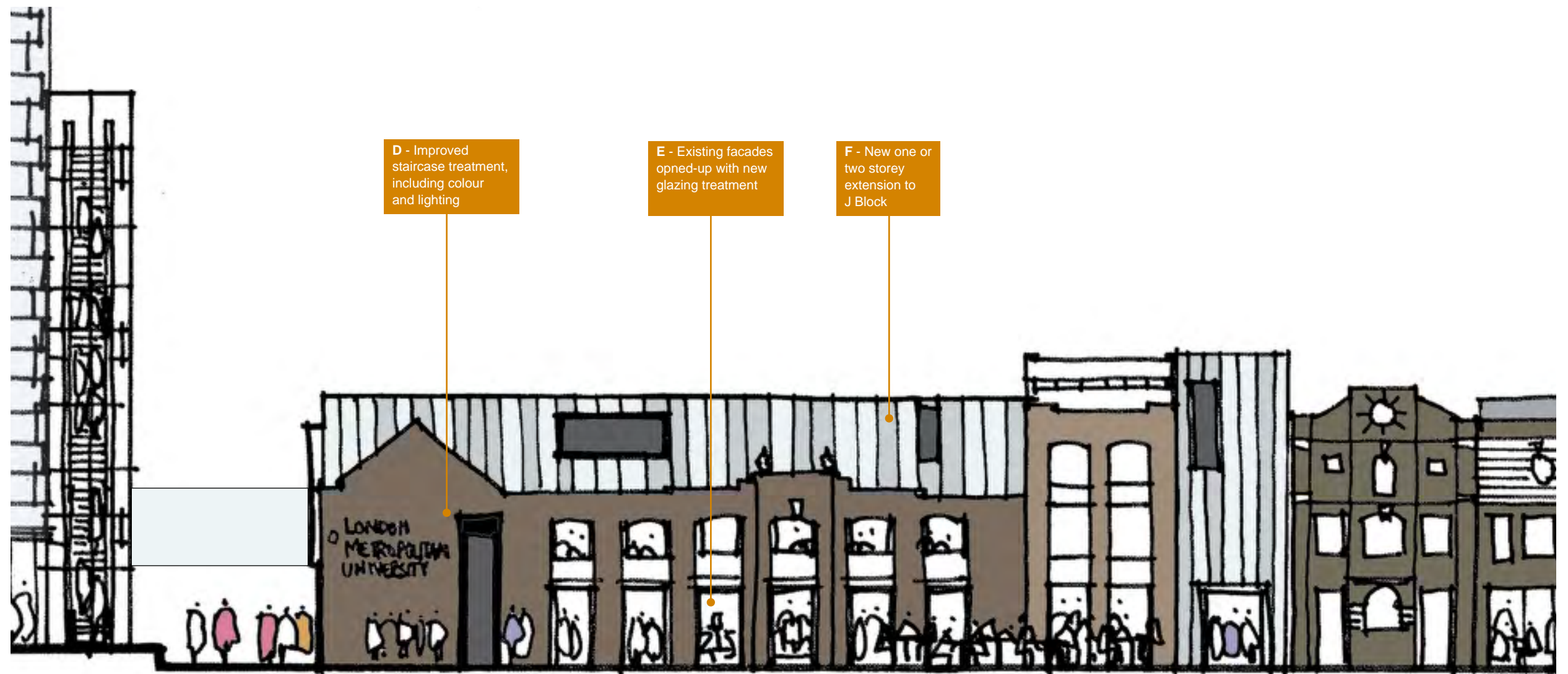
'Shopfront' - Courtyard



Courtyard - elevation



## Courtyard - connection to the Holloway Rd

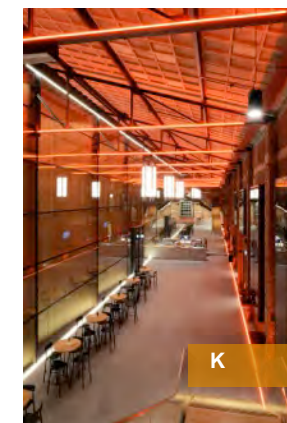
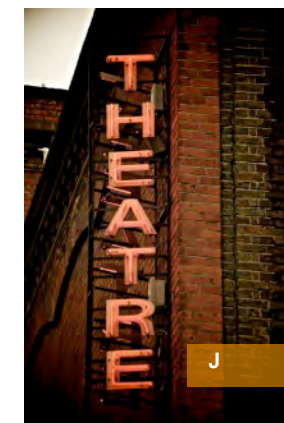
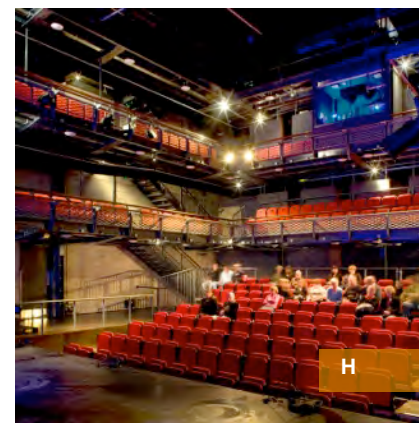
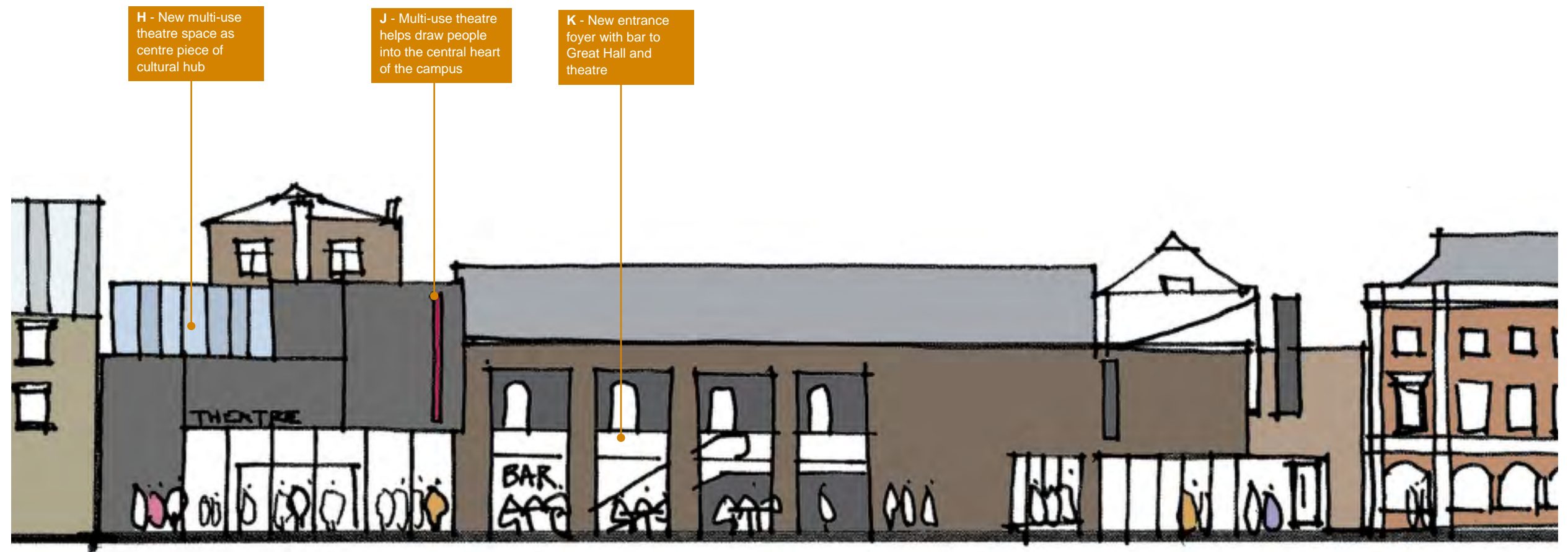


Courtyard - learning & teaching hub and food hall

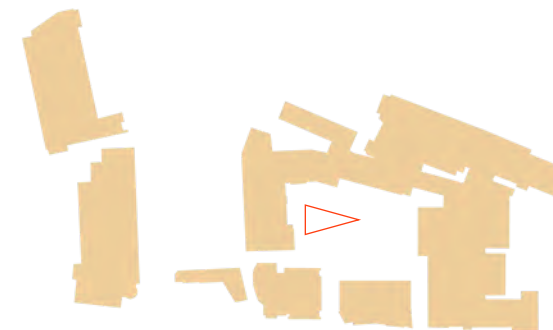
G - Re-imagined interiors of existing 'core' buildings. Exposed structure and services



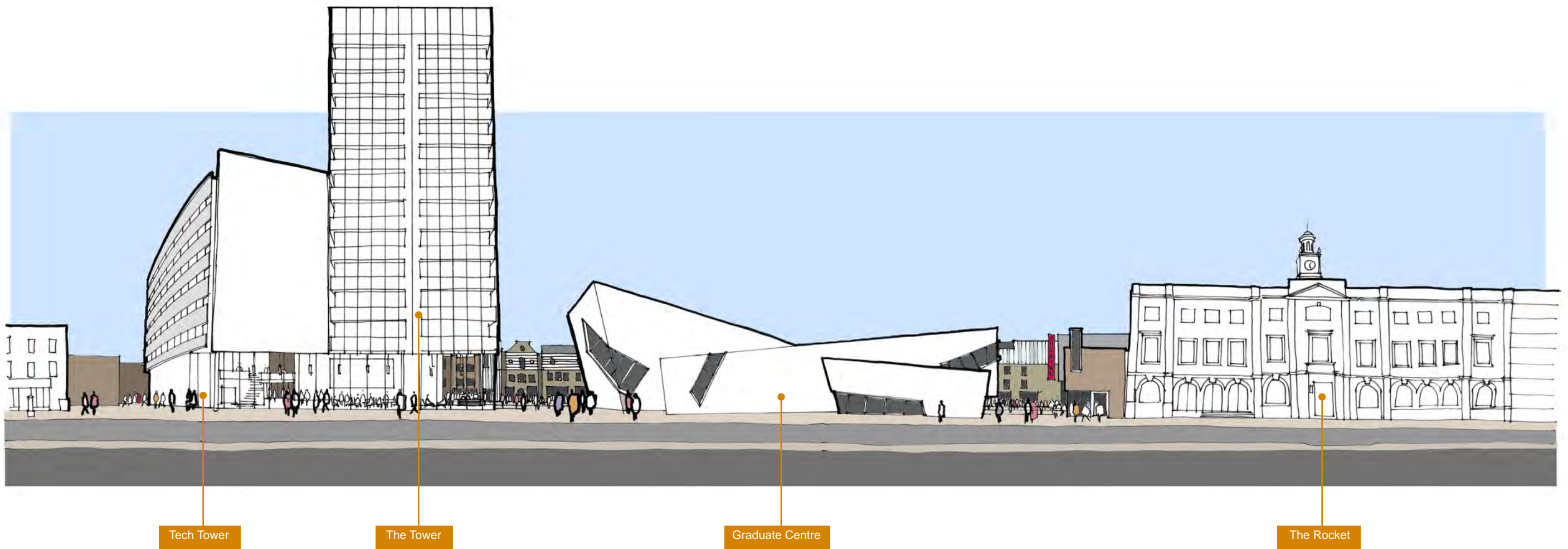
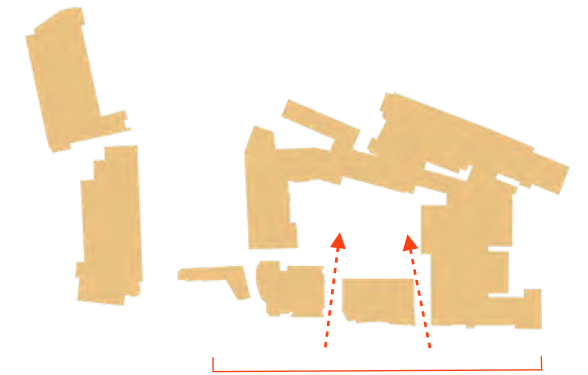
## Courtyard - digital media hub



## Courtyard - cultural hub



Courtyard - looking east



Streetscape - longer views



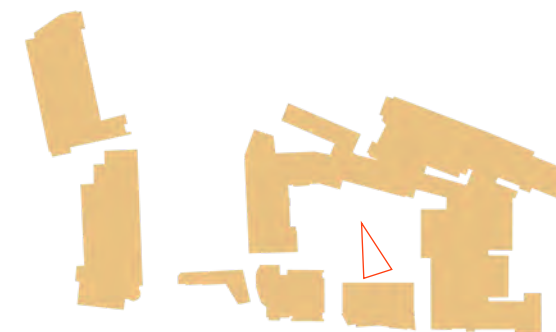
Streetscape - main entrance route



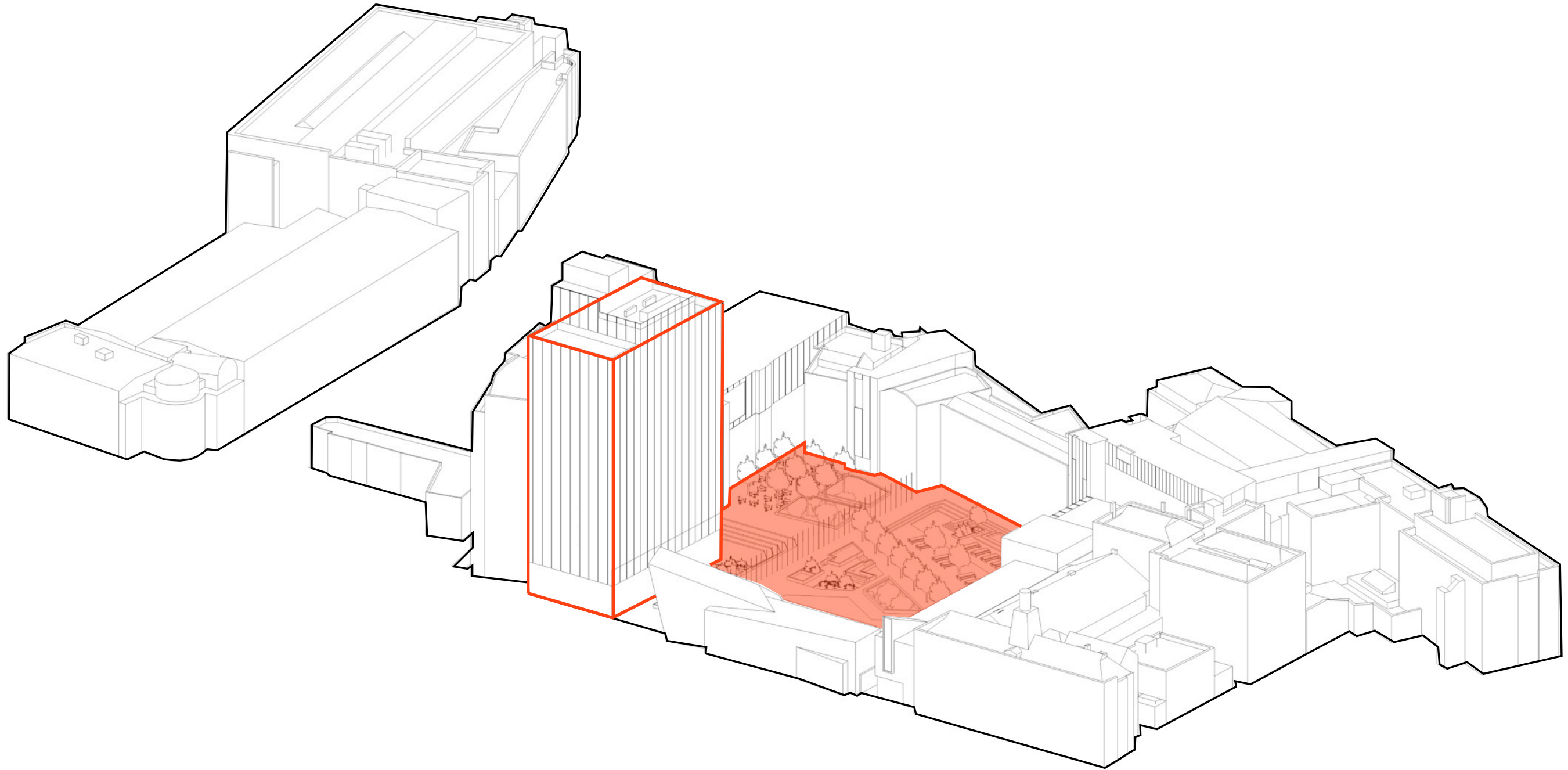
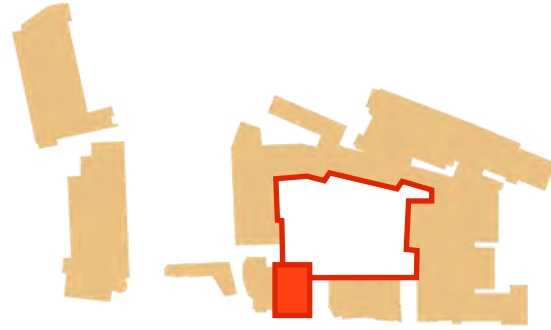
## Streetscape - cultural route



Streetscape - cultural route



Courtyard - looking north



*Tower and courtyard / square / piazza*

*Thank you*

