

**Health Sciences
Education Building
University of Washington**

LEWIS / MILLER HULL / SLAM / GGN

UWAC & ULAC MEETING

August 12th 2019

Project Goals

- Create a hub for the Health Science education and training that **fosters interaction, collaboration, and creativity** for students and the health professional community.
- Build a centrally located Health Sciences Education Building utilizing the unique adjacencies of research, academic, and clinical programs to train future health professionals in support of **affordable, accessible, and high quality 21st Century health care**.
- Create a Health Sciences Education Building with **flexible spaces, modern technologies, and a broad array of environments** that adapt to the changing pedagogical needs of the Health Sciences and enable active and team-based learning.
- Maintain the outstanding performance of UW's Health Science schools by **attracting and retaining the best** health and health care professionals to serve the State of Washington.
- Design the building to enable the Health Sciences campus to **support the goals of the 2018 Campus Master Plan**.

Project Definition Recap

Evolution of Funding

JUNE 2015-2017: Predesign

- \$623,000 received from the State

JUNE 2017: Design + Preconstruction

- \$10M received from the State
- Target funding goal: \$90,623,000, including:
 - \$70M Funding from the State in 2019
 - \$10M Funding from donors
- Target budget set at \$80,623,000
(anticipate full funding may not come)

JUNE 2019: Full Project

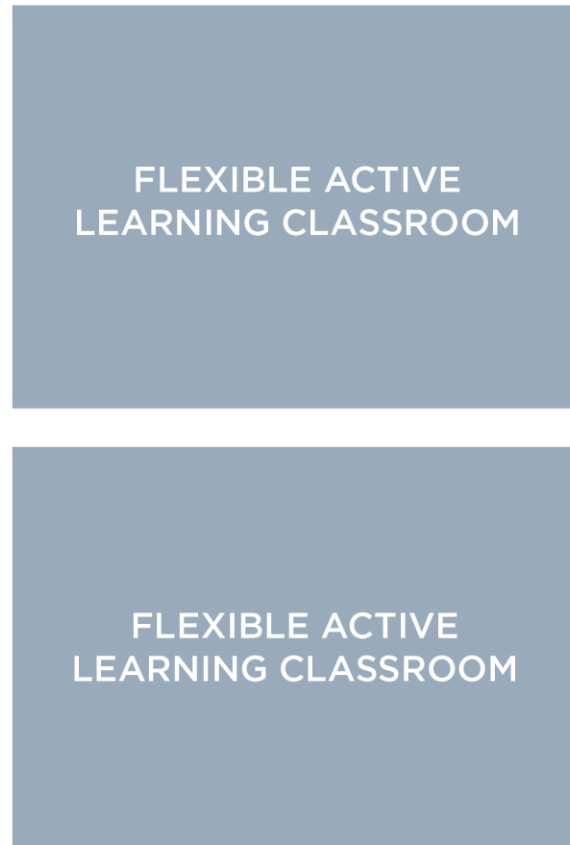
- \$60M received for construction from the State
- \$10M Funding goal from donors
- Target budget confirmed at \$80,623,000

Current Funding Path

TYPE OF FUNDING	FUNDS
Health Sciences Schools + Advancement (Donor)	\$10,000,000
State of Washington OFM	\$623,000
State of Washington OFM	\$10,000,000
State of Washington OFM	\$60,000,000
UW Inter-lending Program	\$20,000,000
Total Funding	\$100,623,000

What is “IN?”

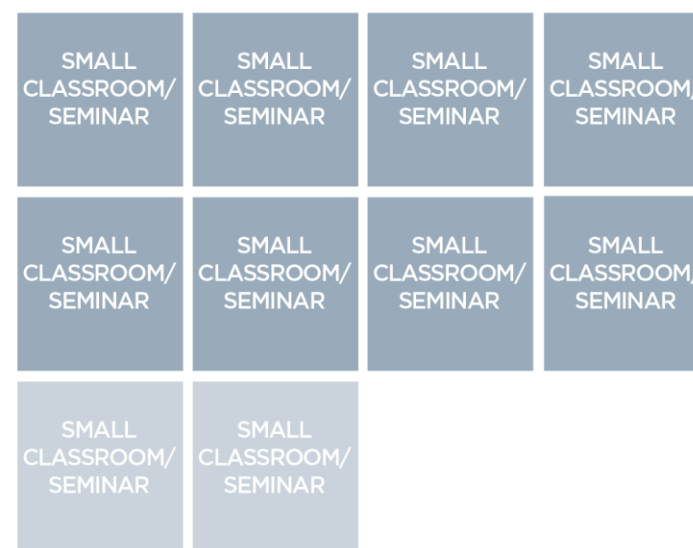
LARGE ACTIVE LEARNING CLASSROOMS (3)



MEDIUM ACTIVE LEARNING CLASSROOMS (6)



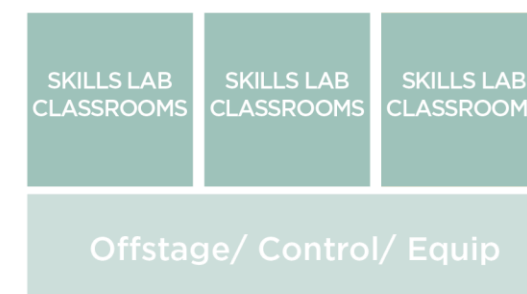
SMALL CLASSROOMS (8-10)



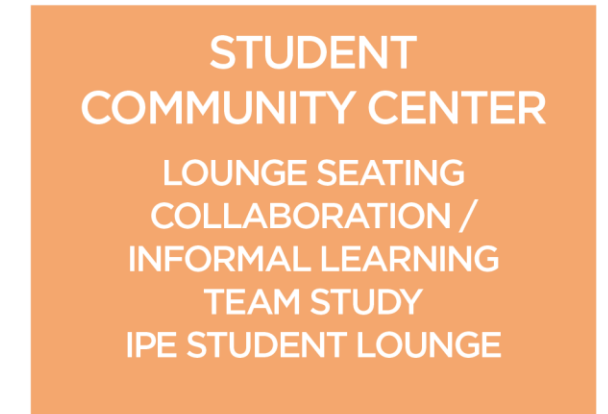
ANATOMY LAB SUITE



SKILLS LAB SUITE

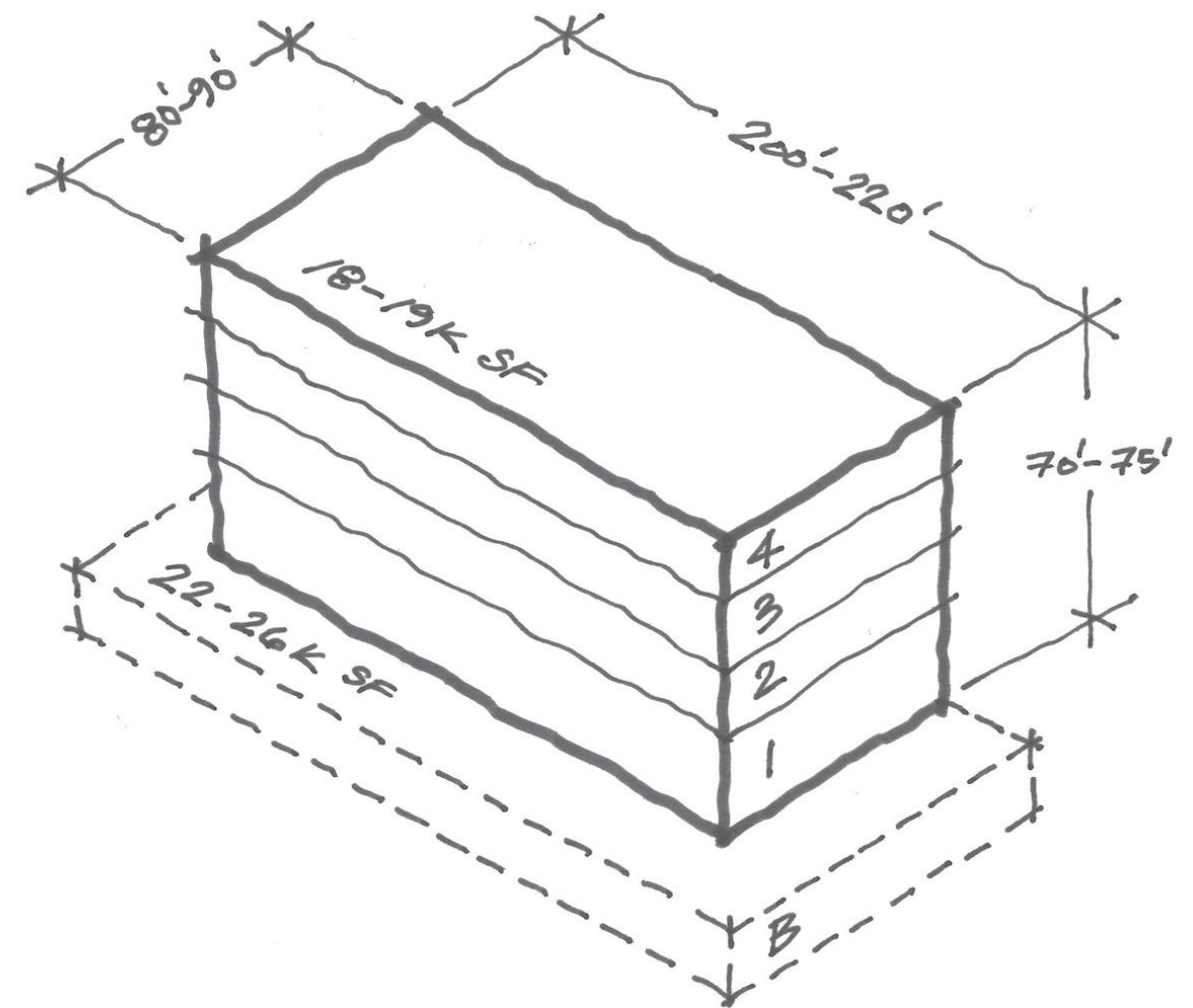


STUDENT COMMUNITY CENTER



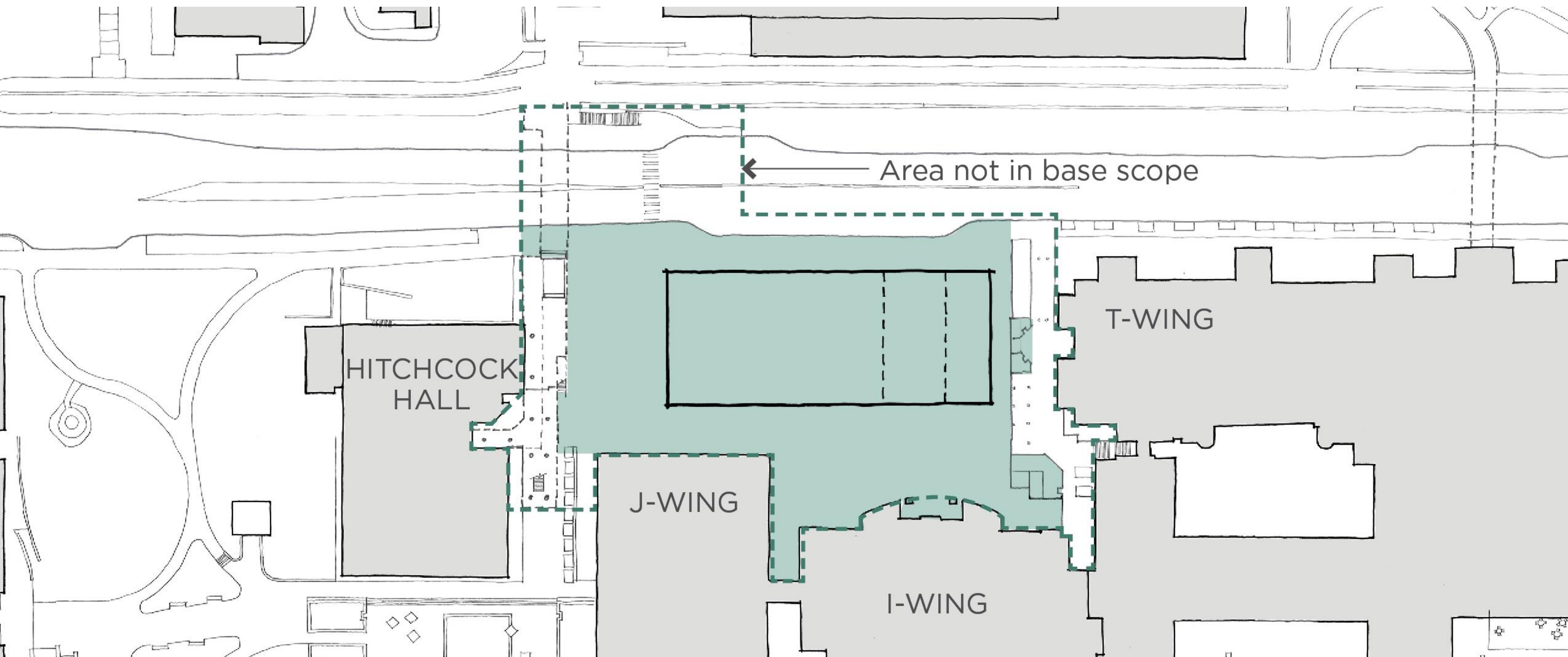
What is “IN?”

- Freestanding building
- Big & Small program organization
- Investment in a Student Heart + Culture of Care
- Intentional Transparency
- Legible Vertical Circulation
- CLT floors and roof
- 4 stories + basement
- High performance envelope



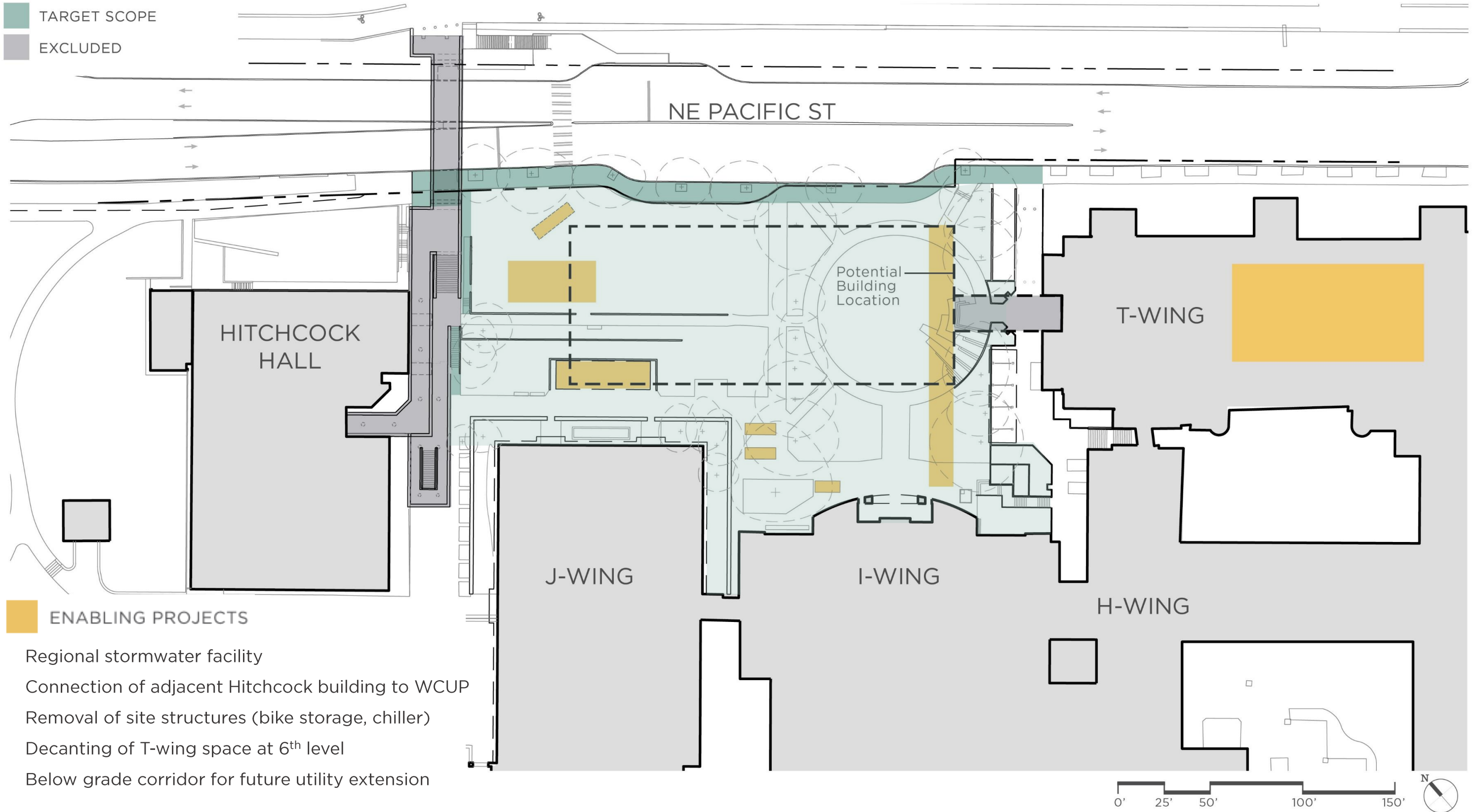
What is “IN?”

- Outdoor rooms supporting an “active village”
- New streetscape on south side of Pacific Street
- Simple, high-quality paving, site walls, and furnishings within site extents
- Robust trees and planting (including soil and irrigation)



What is "IN?"

- TARGET SCOPE
- EXCLUDED

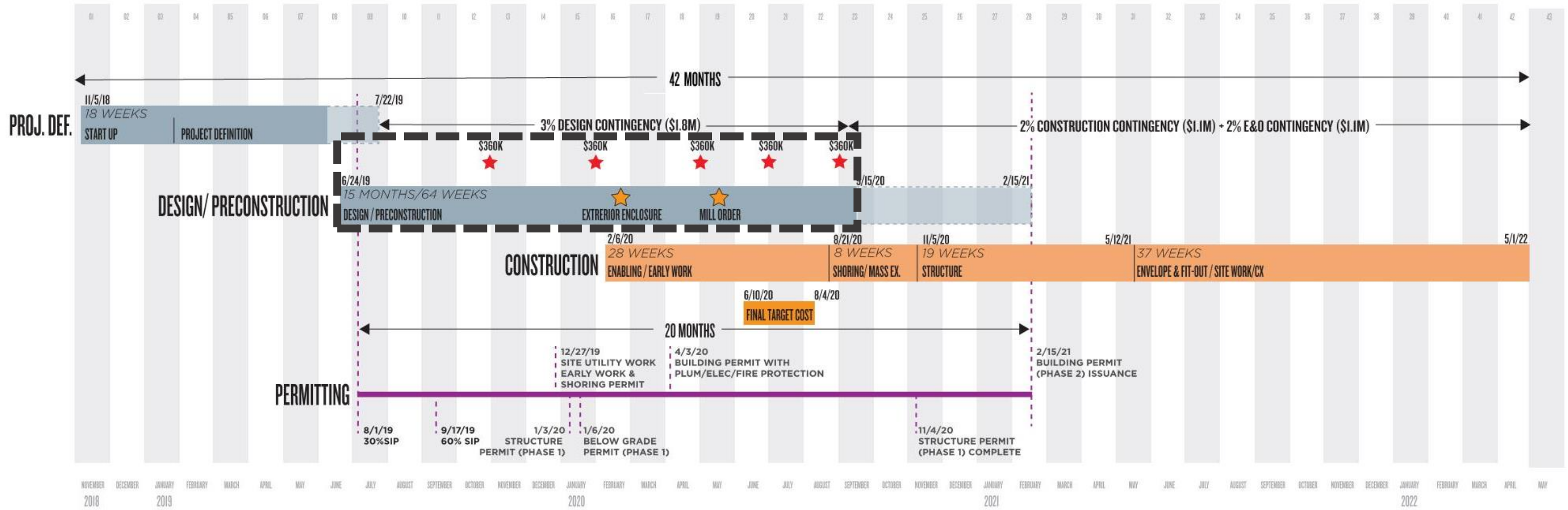


ENABLING PROJECTS

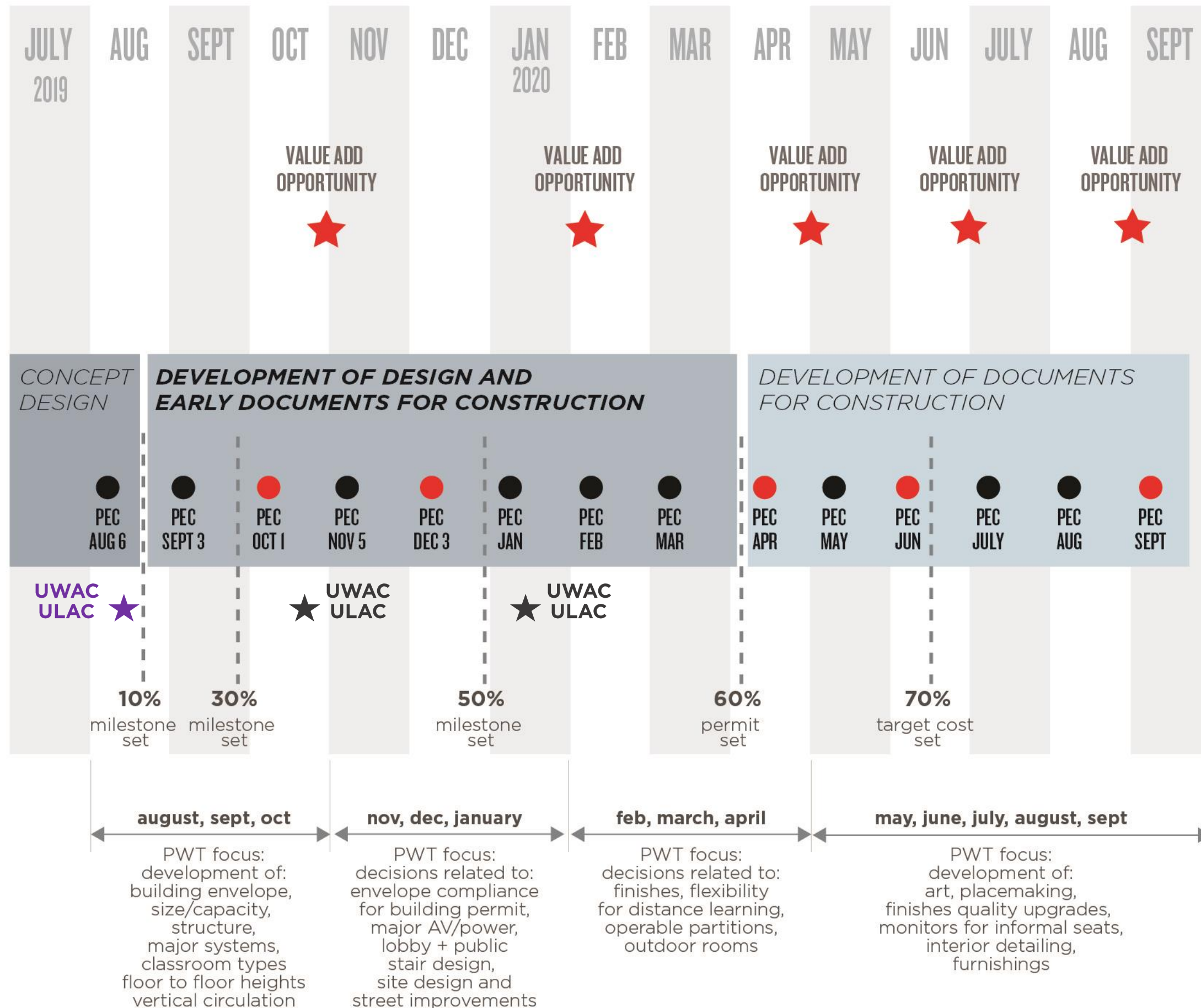
- Regional stormwater facility
- Connection of adjacent Hitchcock building to WCUP
- Removal of site structures (bike storage, chiller)
- Decanting of T-wing space at 6th level
- Below grade corridor for future utility extension

Where are we in the process?

UW HEALTH SCIENCES PROJECT SCHEDULE



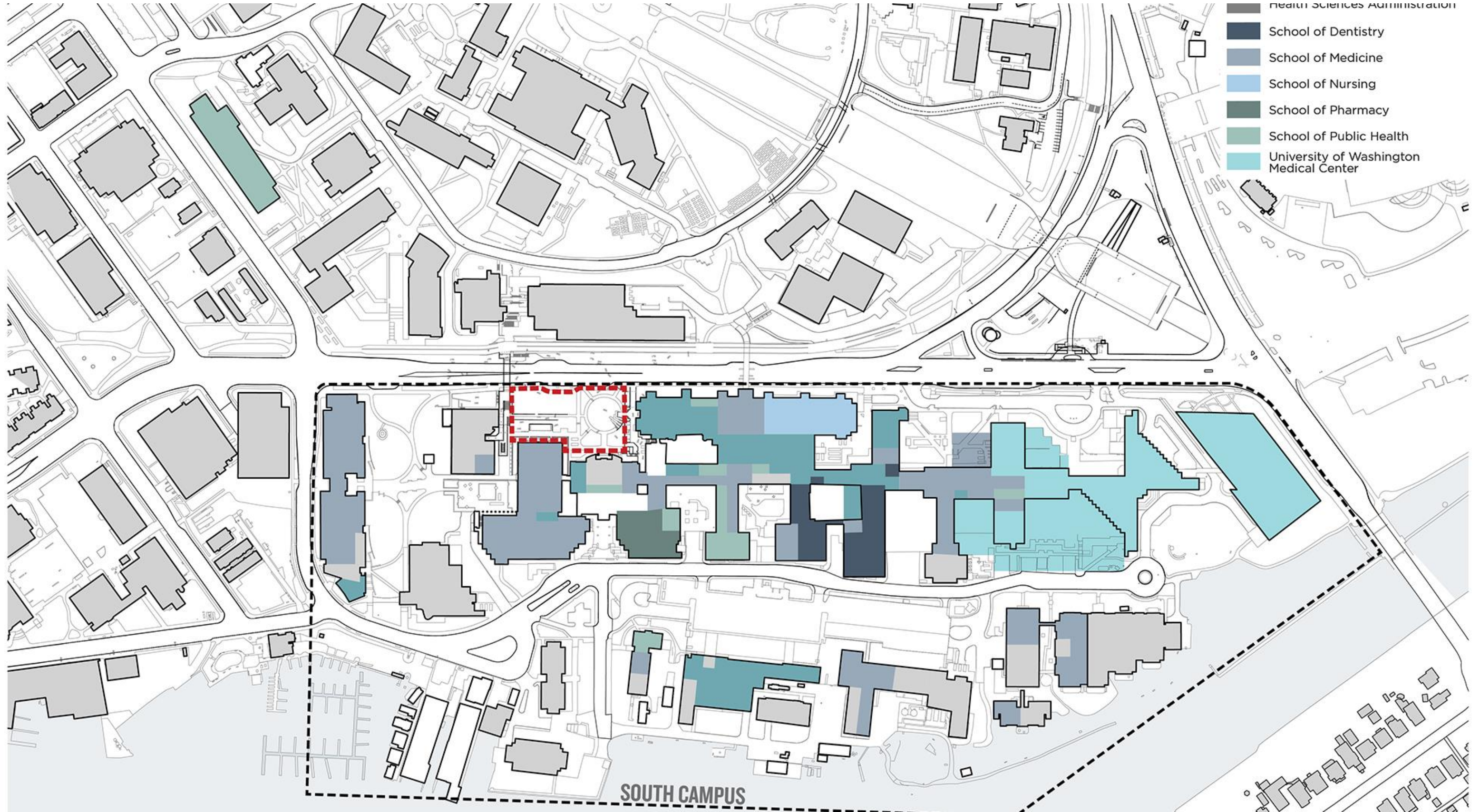
Where are we in the process?



Campus Context

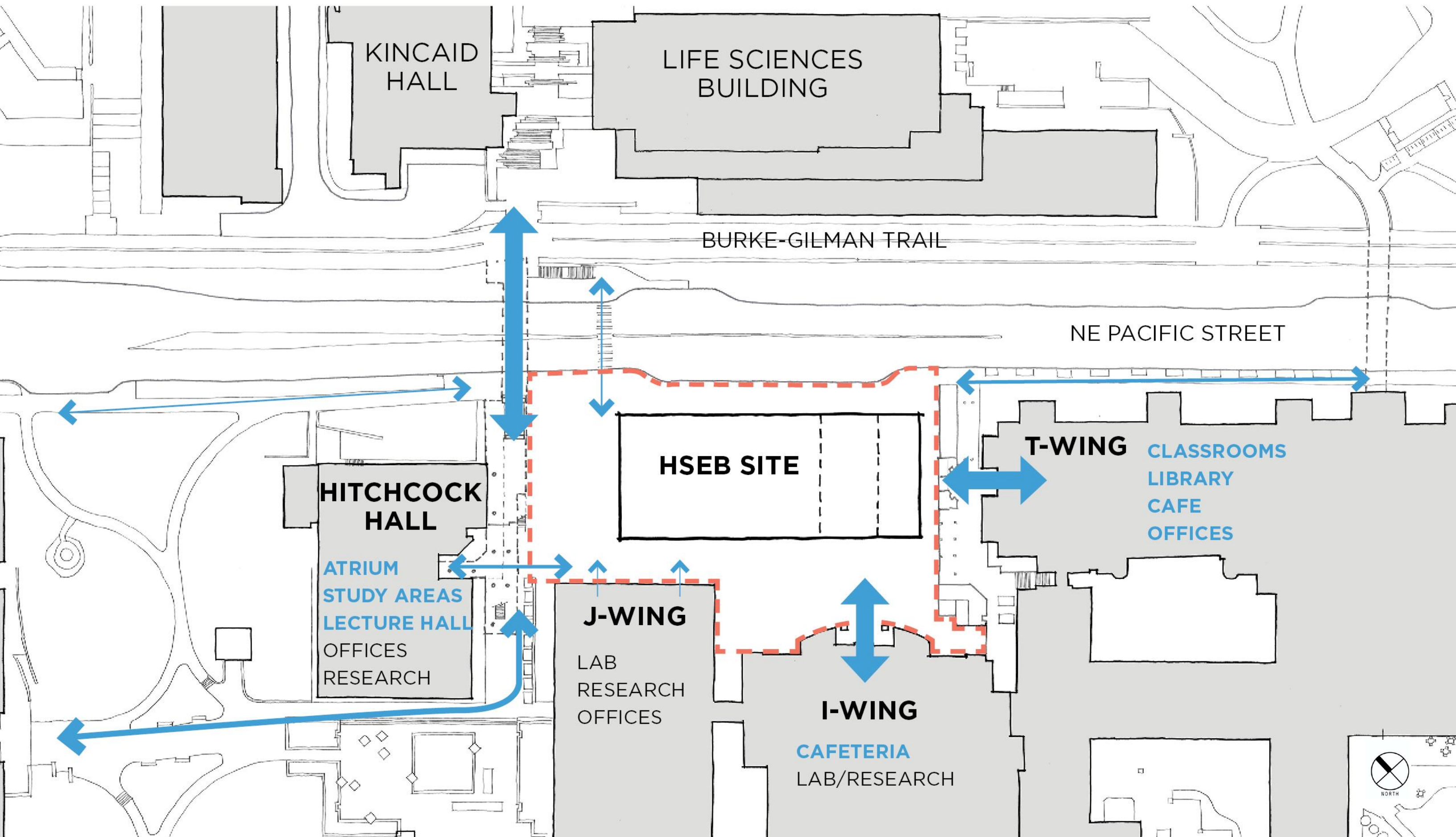


Site Context

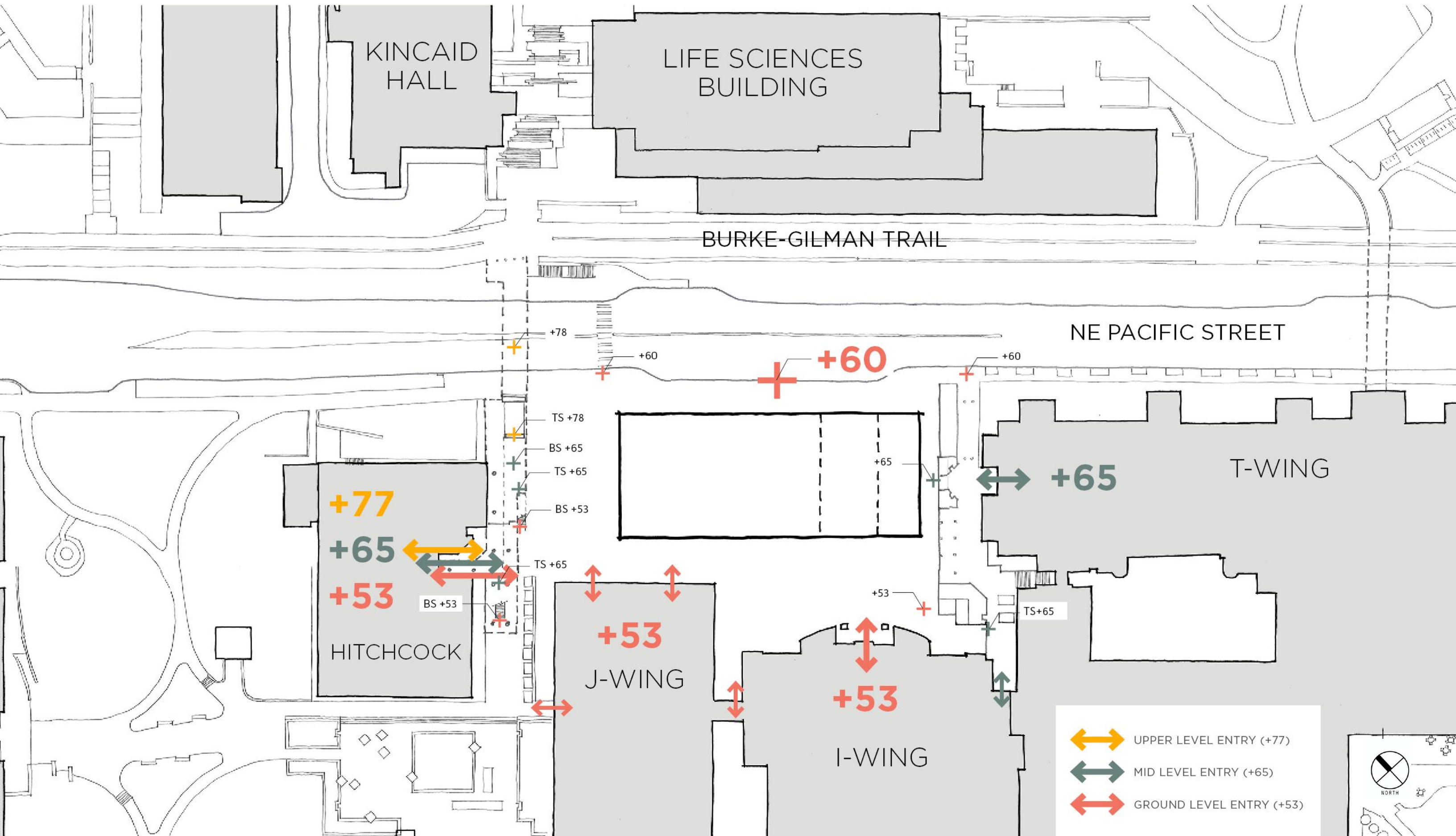


NORTH

Site Context



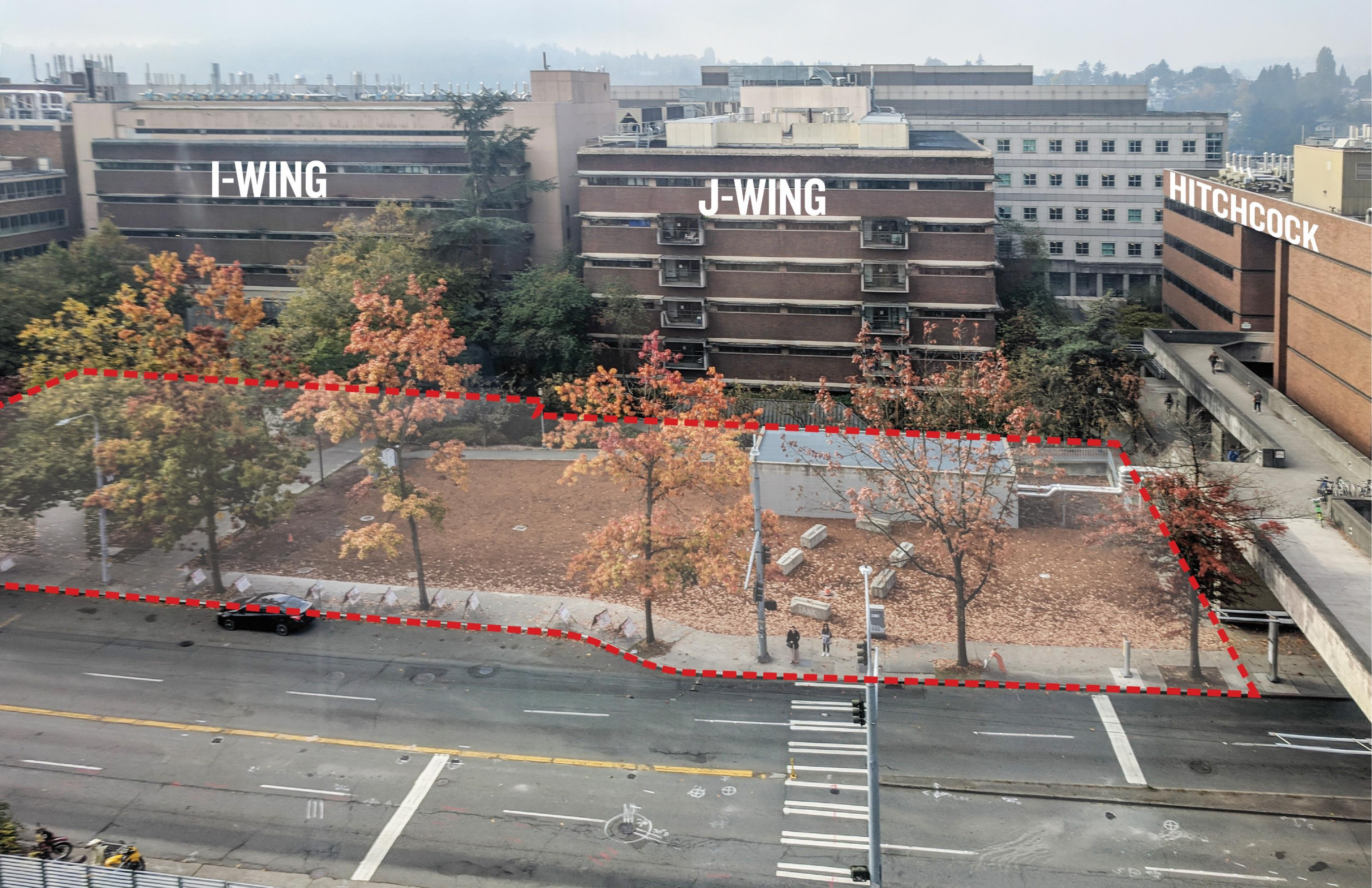
Site Context - Topography



I-WING

J-WING

HITCHCOCK



Today's Conversation

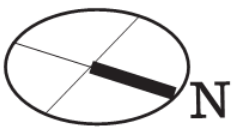
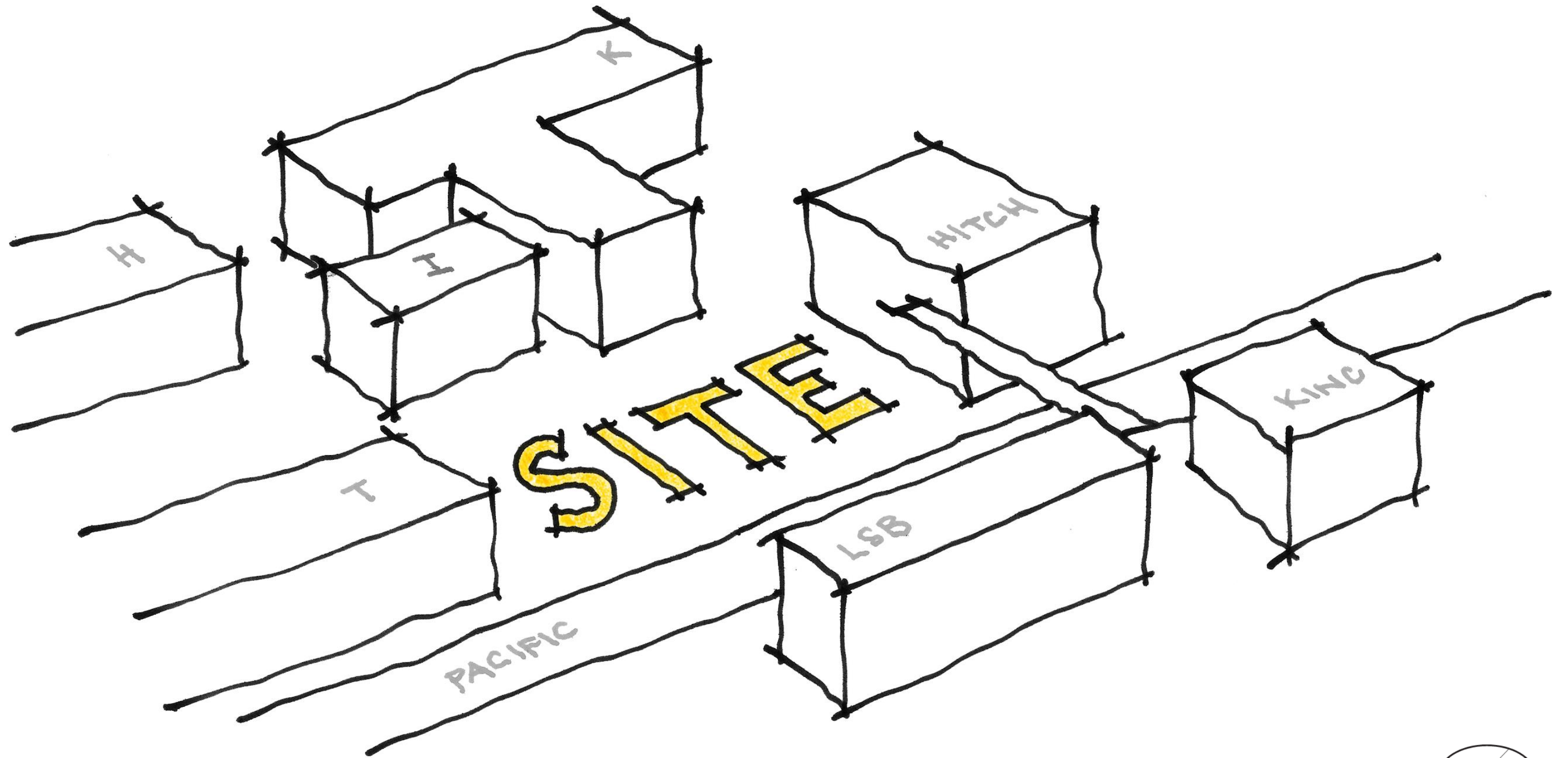
- CONCEPTUAL DEVELOPMENT
 - logic
 - inspiration
 - execution
- DISCUSSION

Concept LOGIC
[overview]

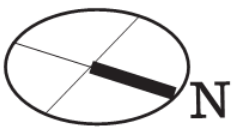
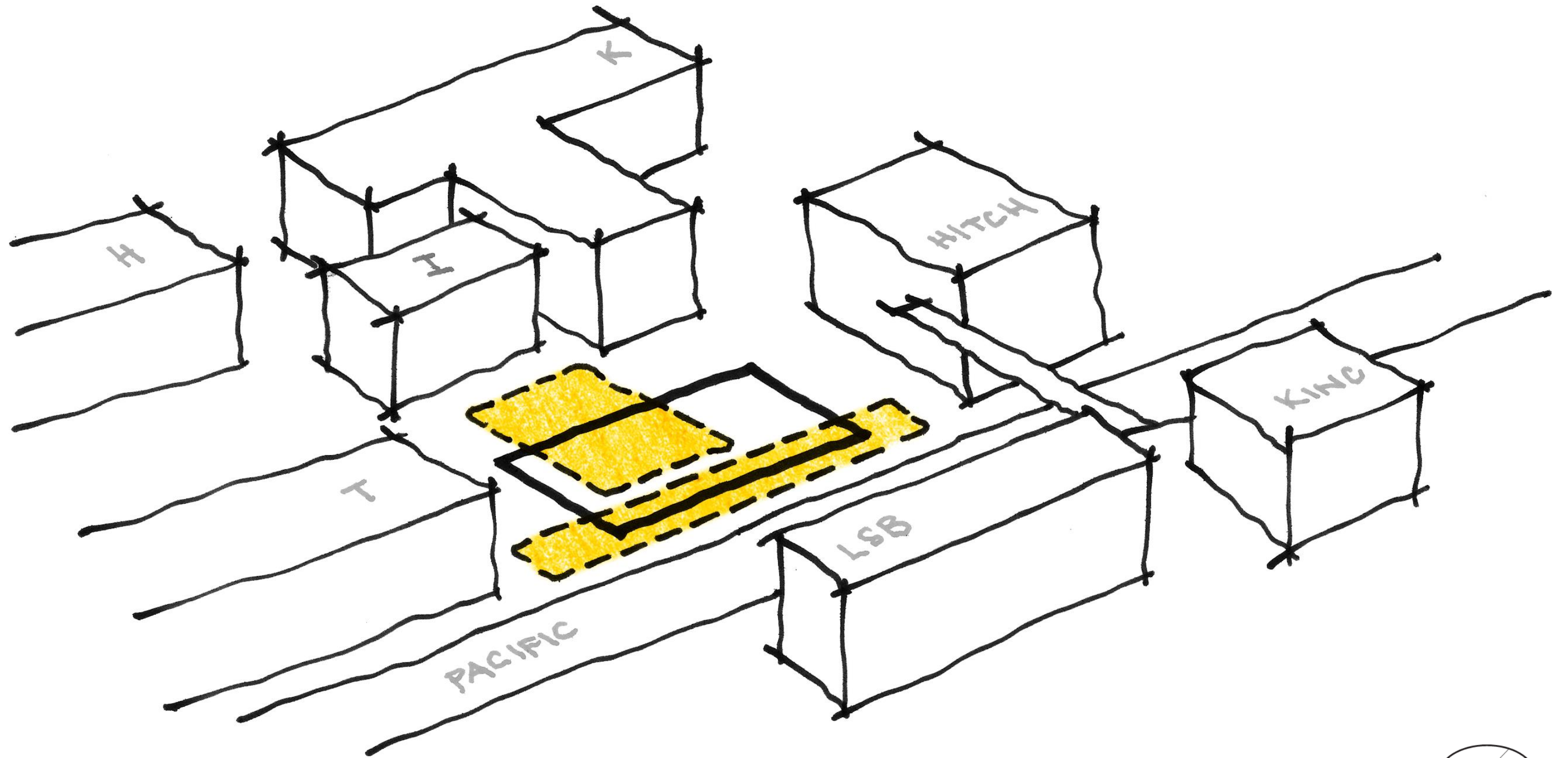
South Campus Design Principles

- Signal a new vision
- Foster the spirit of a dense active village
- Convey the buzz of research and teaching
- Enhance the physical and perceived connections
- Invite people to experience the waterfront
- Support healthy living
- Set an example for sustainable campuses

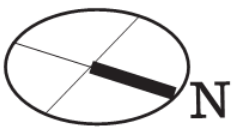
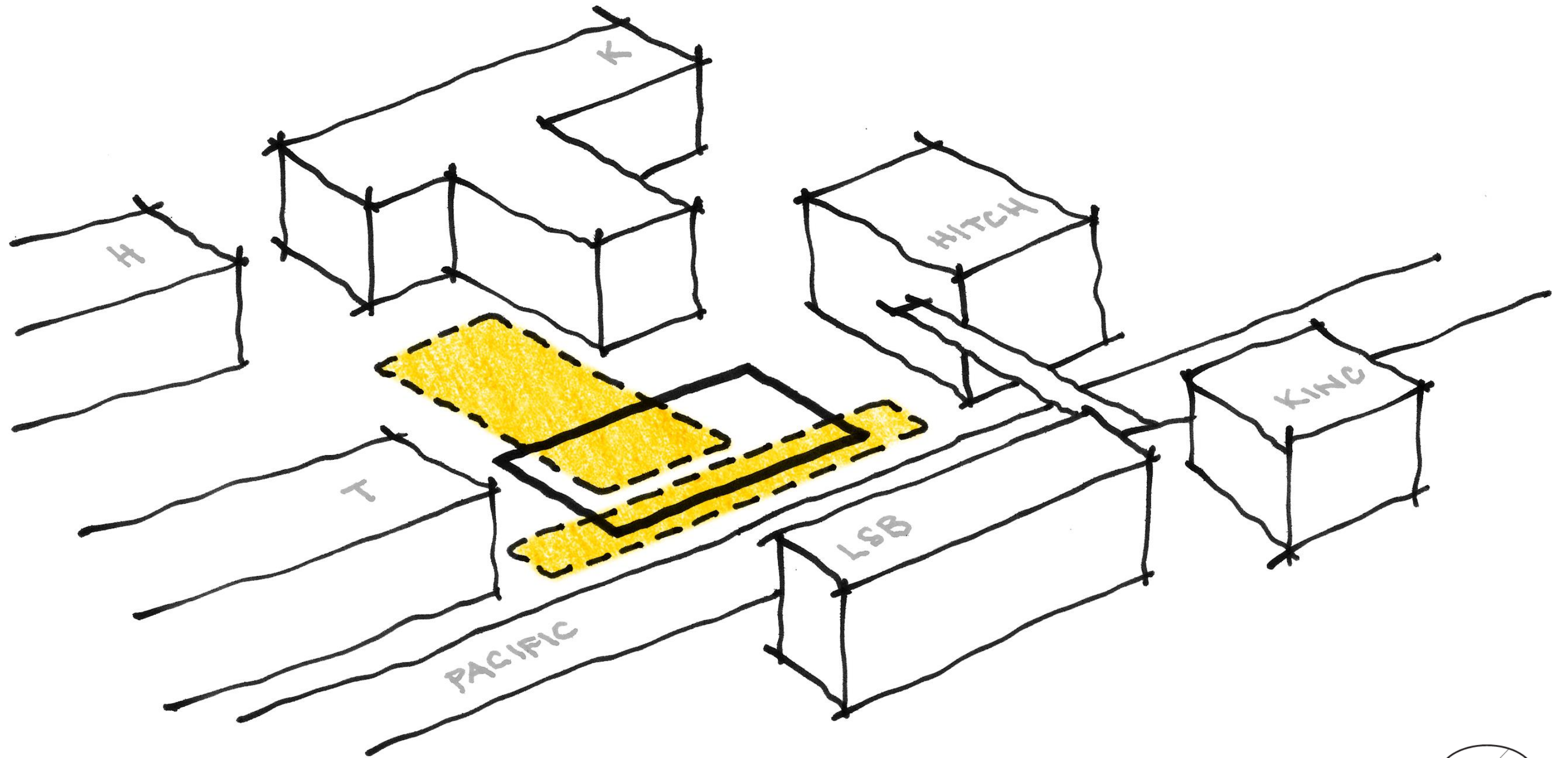
Existing Site



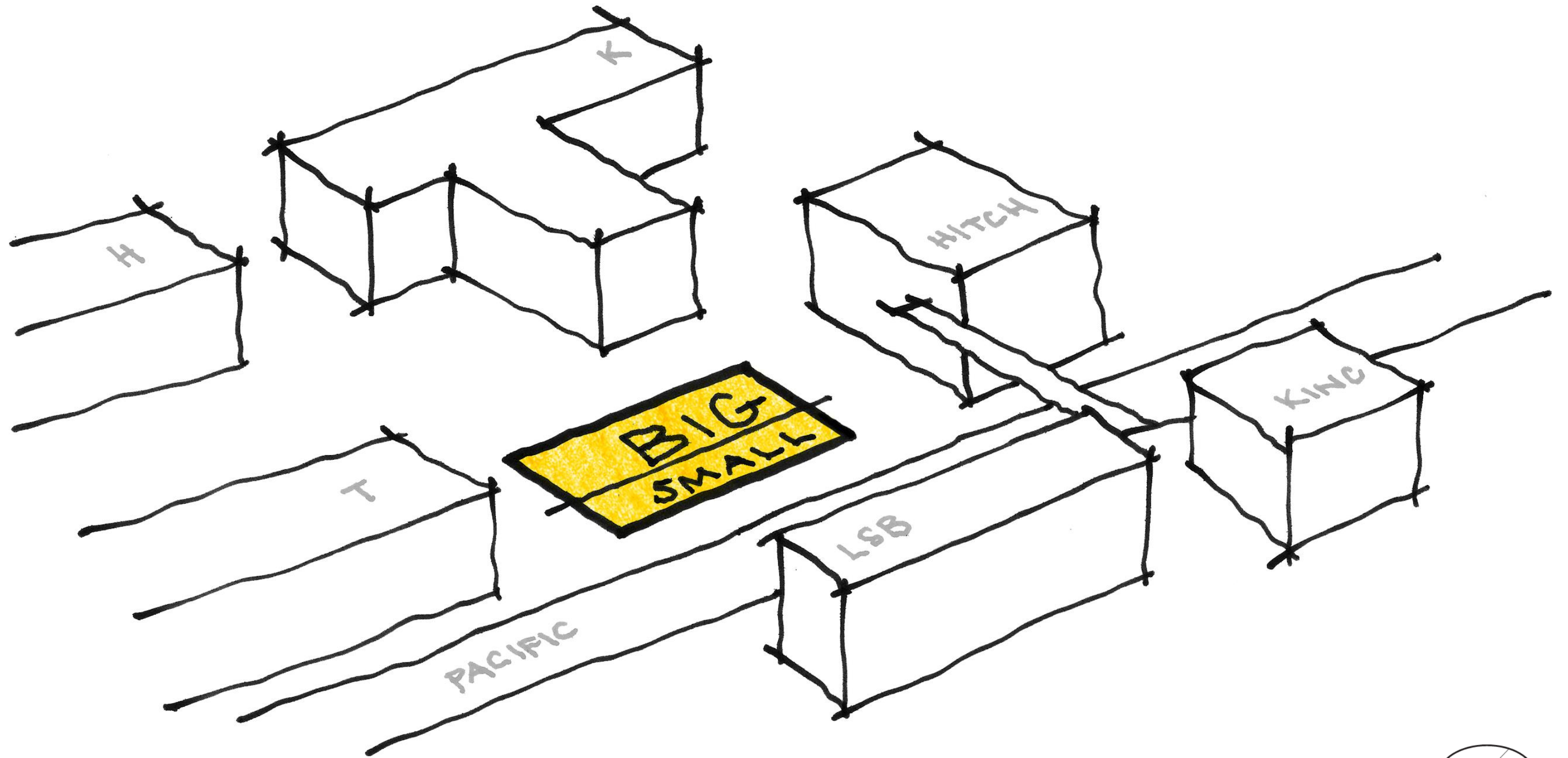
Indoor - Outdoor Rooms



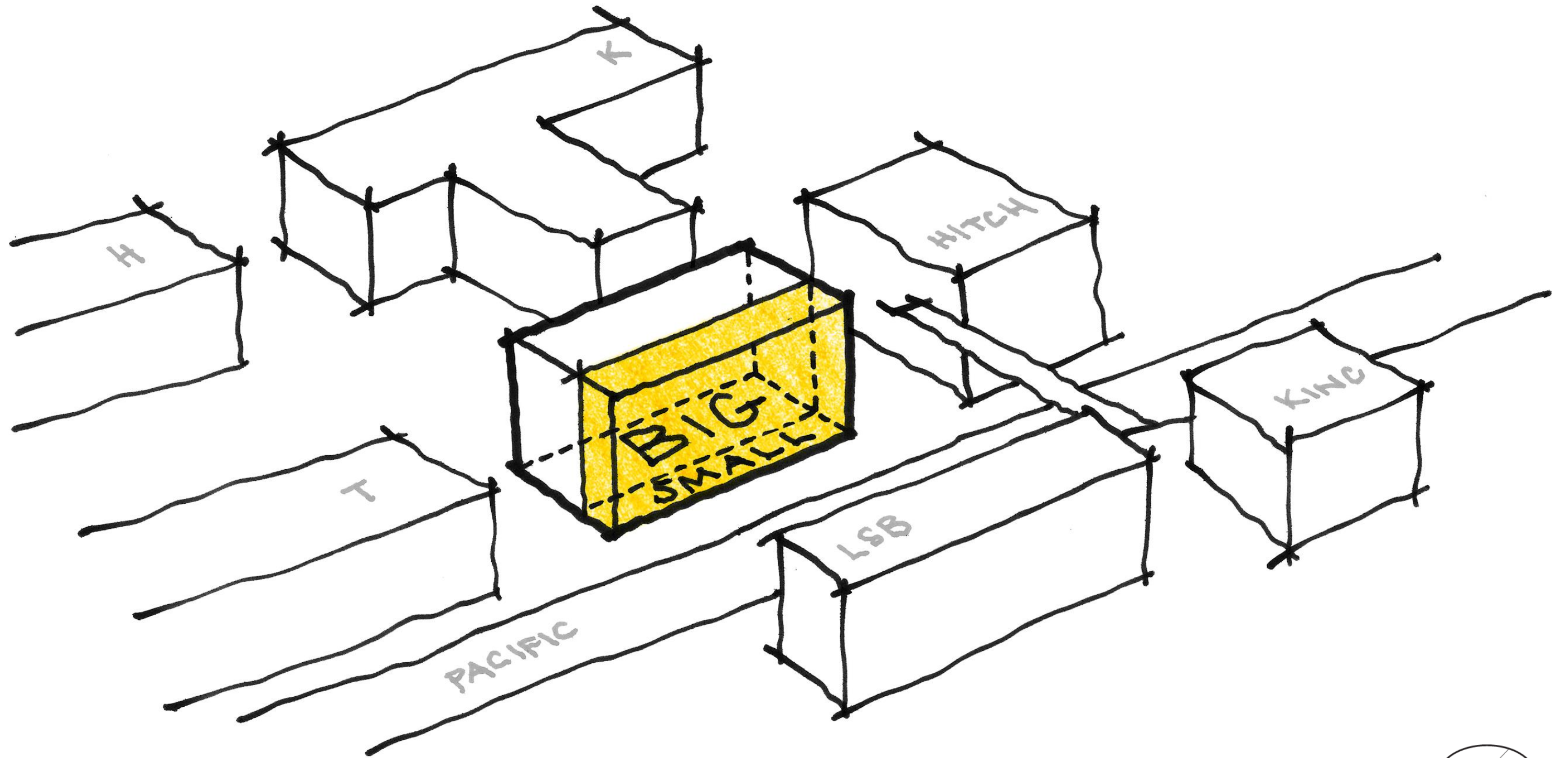
Indoor - Outdoor Rooms



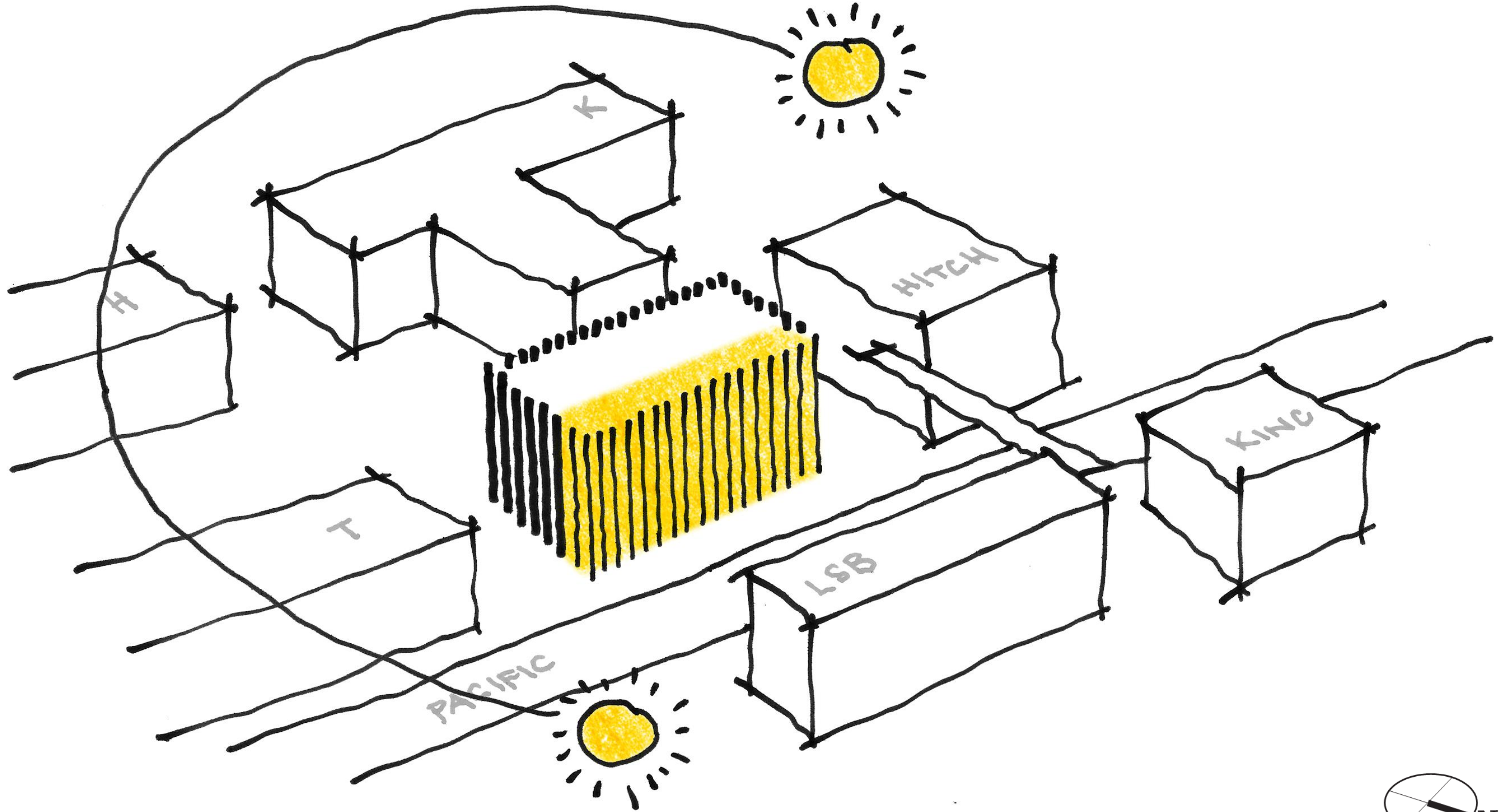
Program Relationships



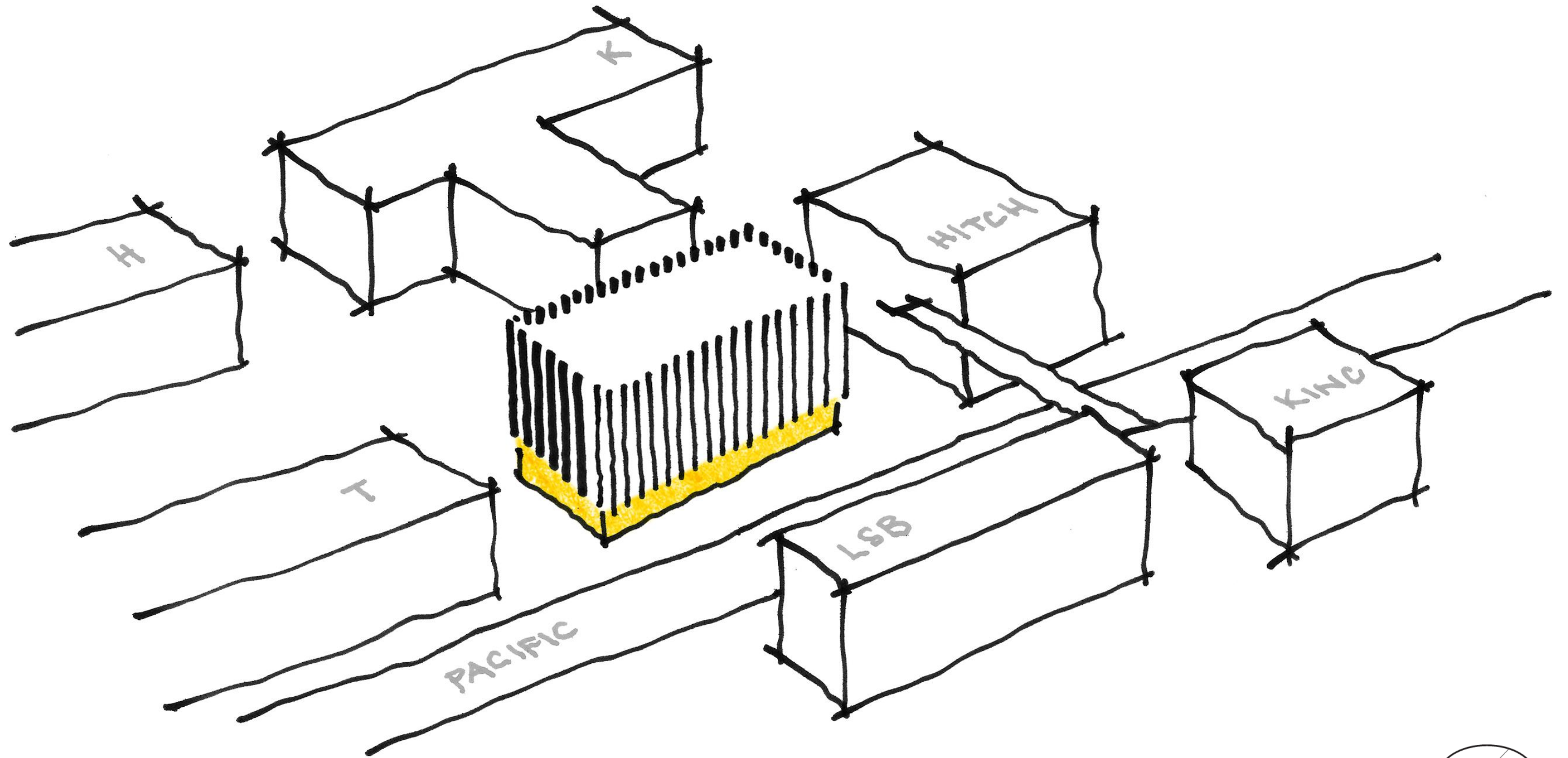
Active Edge



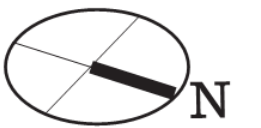
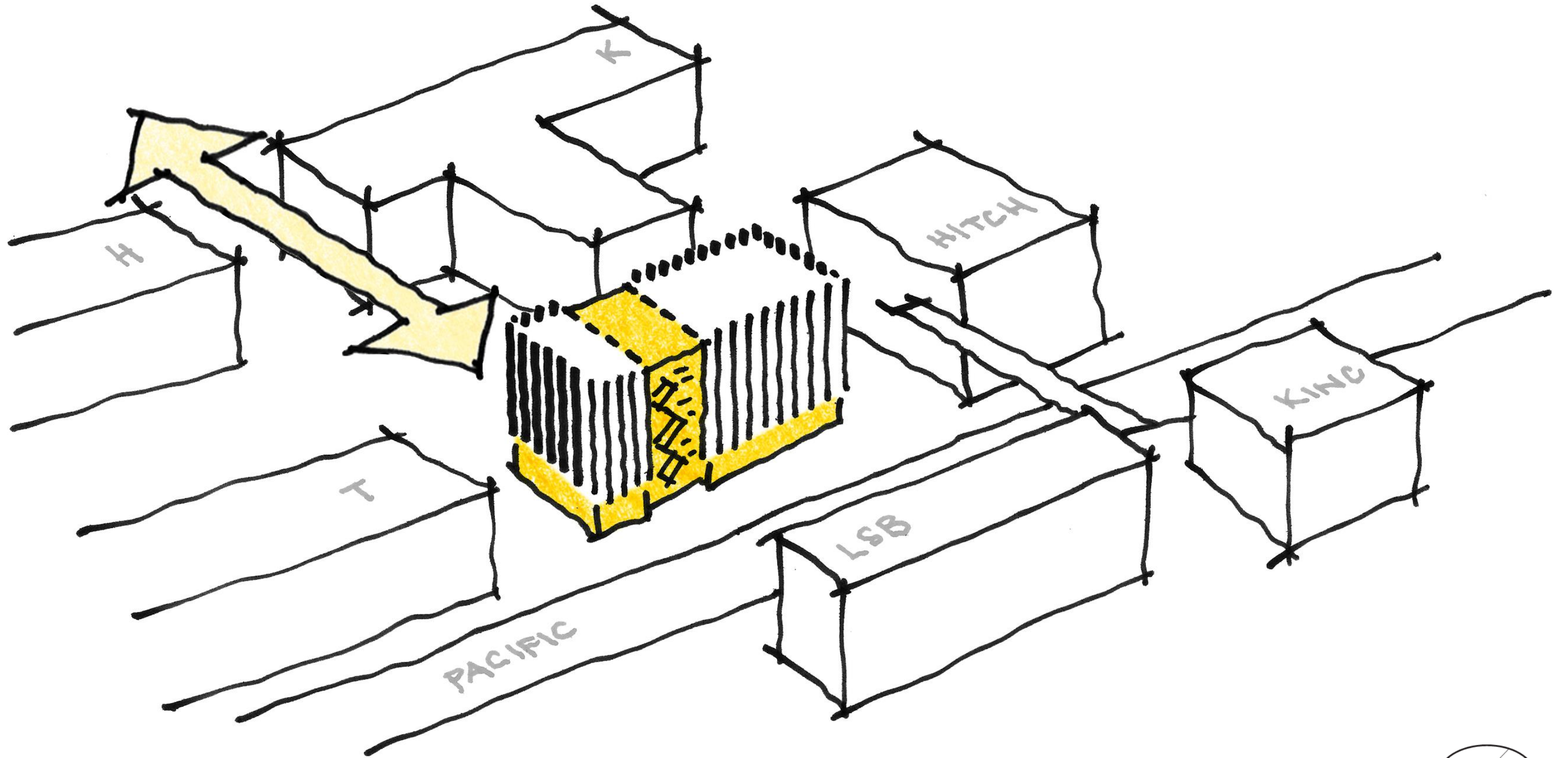
Site + Program Response



Porous Podium



Student Heart

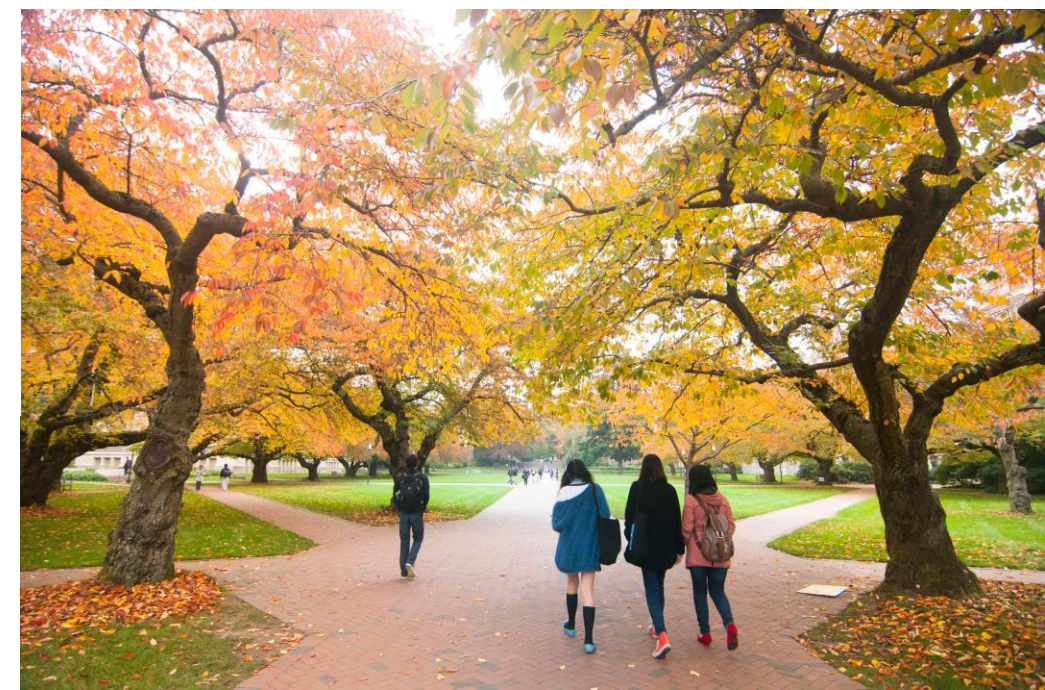


Concept INSPIRATION

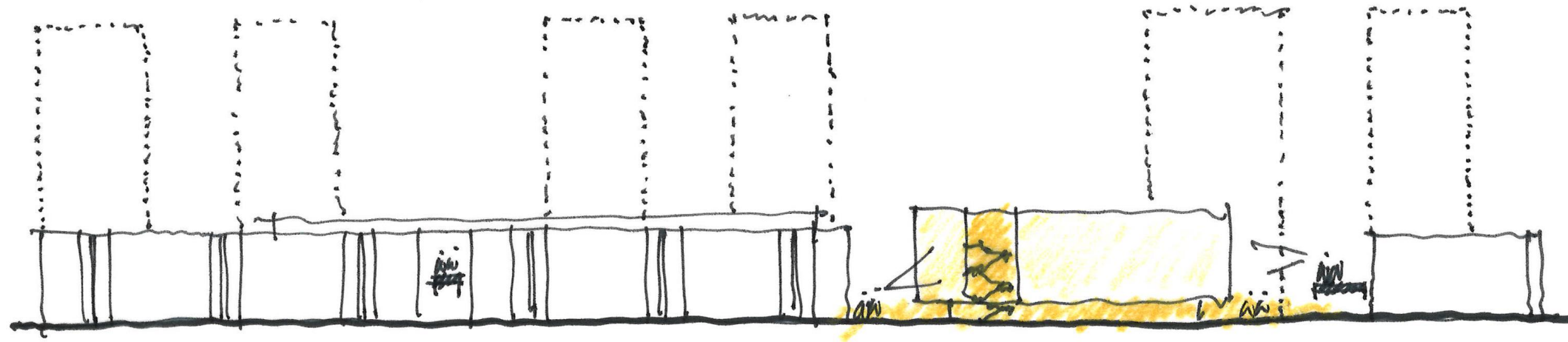
the culture of care [“ahhhhhh...”]



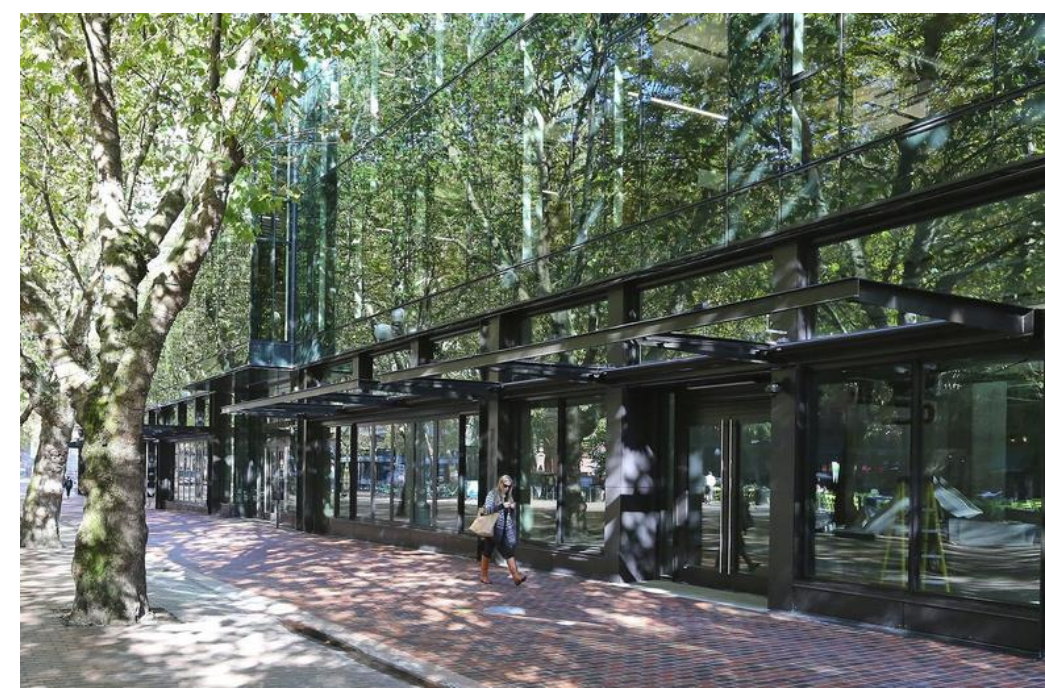
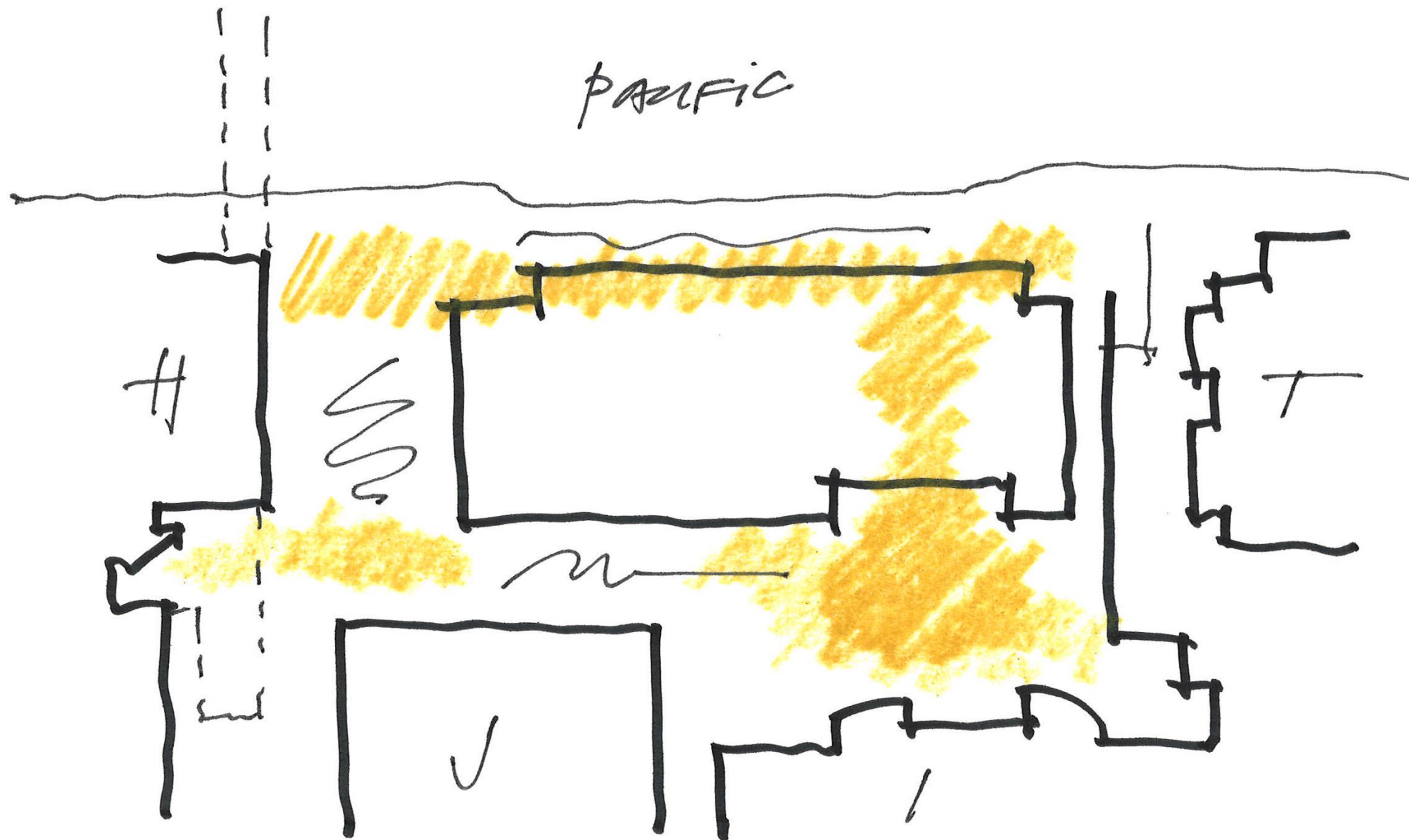
[campus scale]



[street scale]



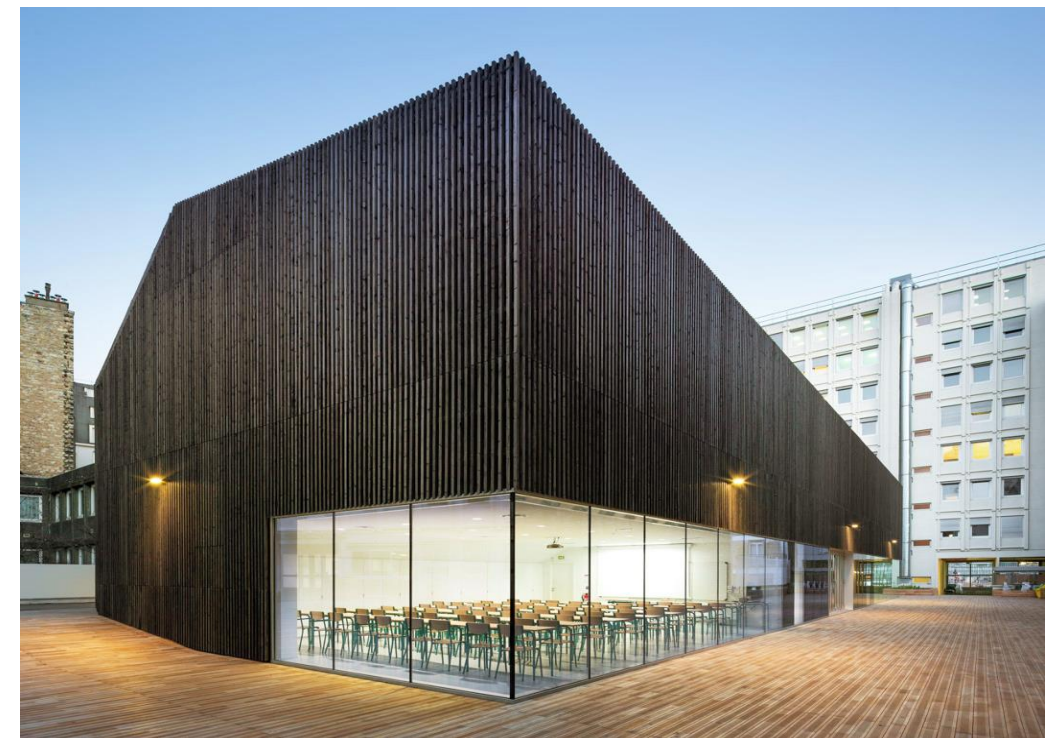
[site scale]



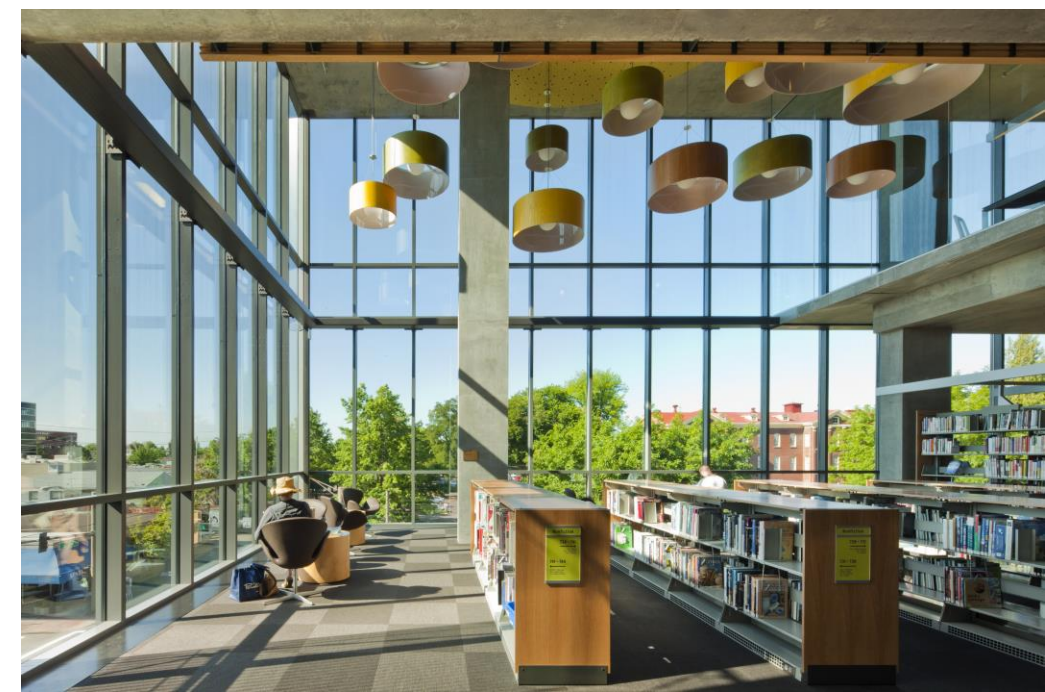
[building scale]



BUILDING
SCENES.



[program scale]

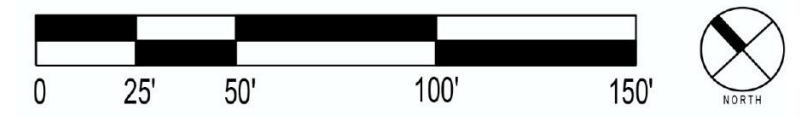
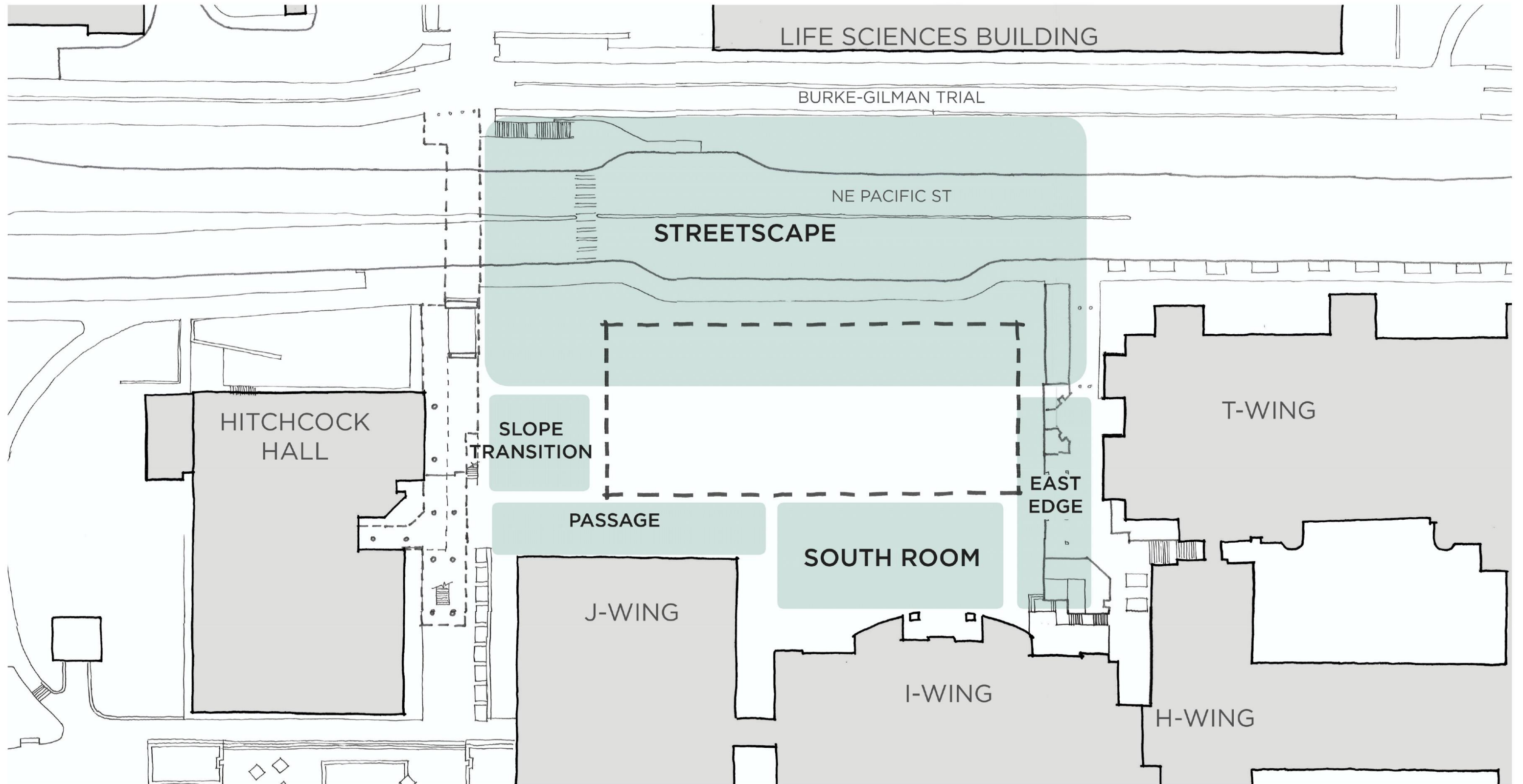


[patient scale]

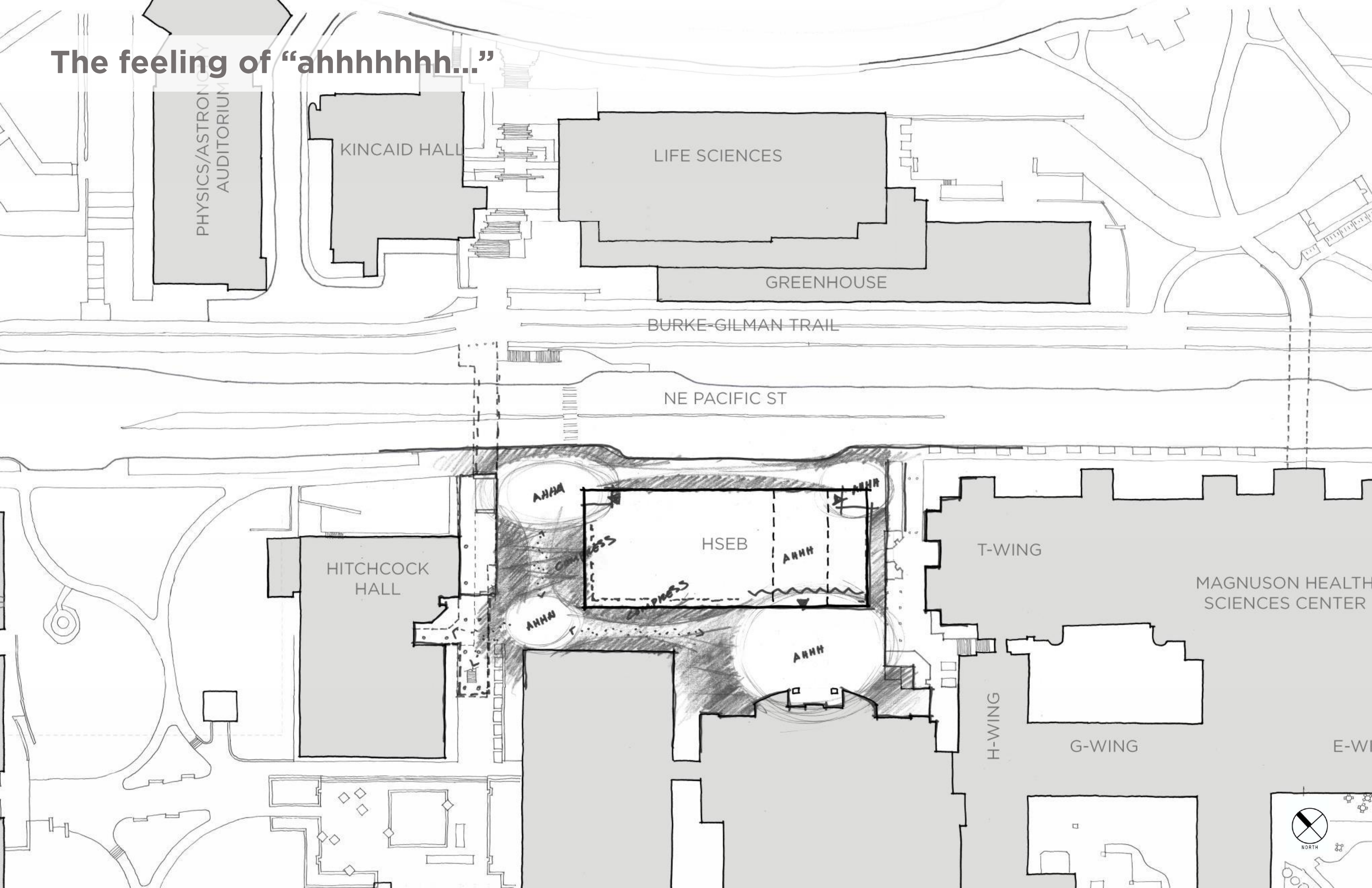


Concept EXECUTION
[plan development]

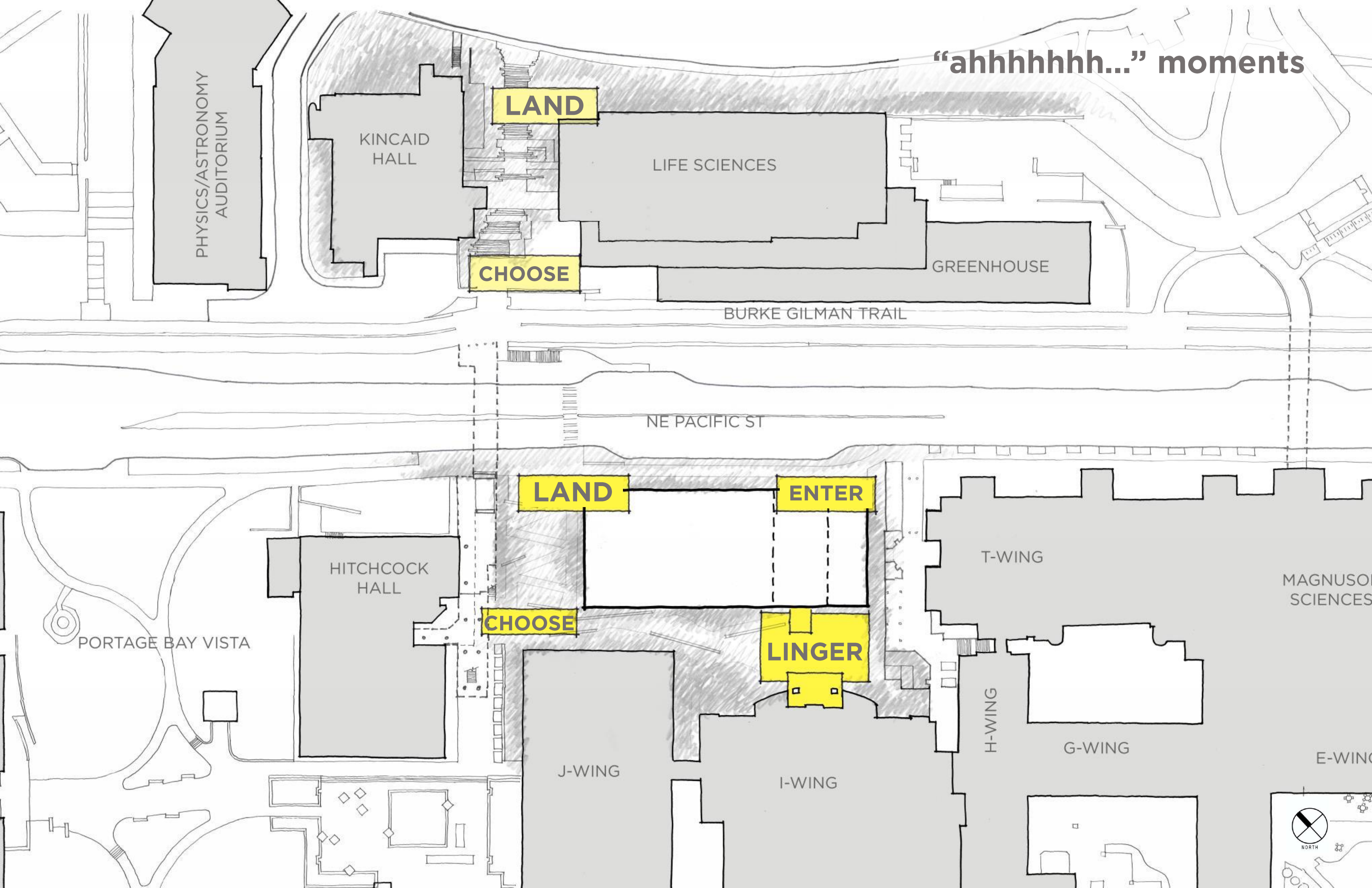
Outdoor Spaces



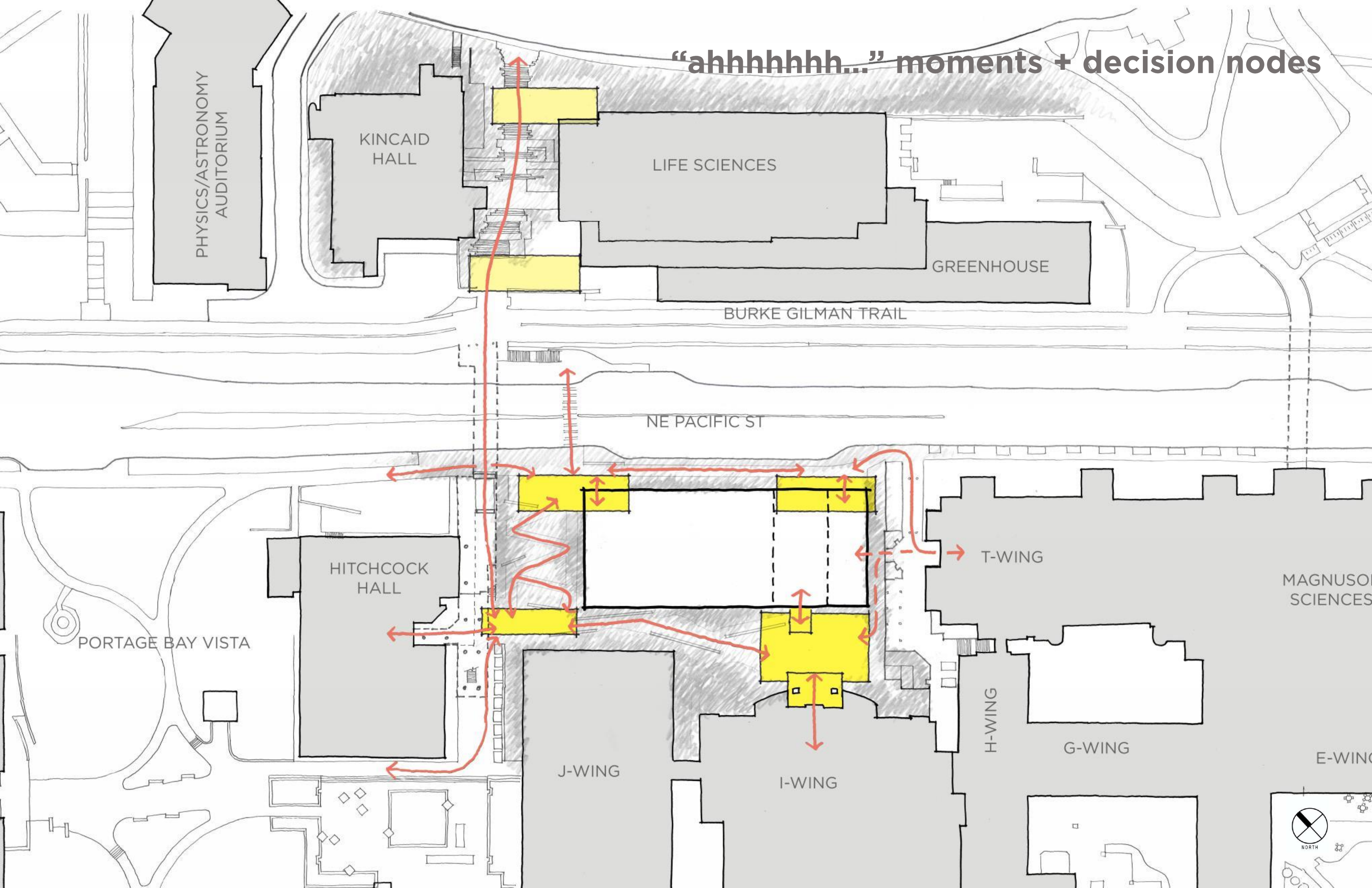
The feeling of “ahhhhhhh...”



“ahhhhhh...” moments



“ahhhhhh...” moments + decision nodes



PHYSICS/ASTRONOMY
AUDITORIUM

KINCAID
HALL

LIFE SCIENCES

GREENHOUSE

BURKE GILMAN TRAIL

NE PACIFIC ST

HITCHCOCK
HALL

T-WING

MAGNUSON
SCIENCES

PORTAGE BAY VISTA

J-WING

I-WING

H-WING

G-WING

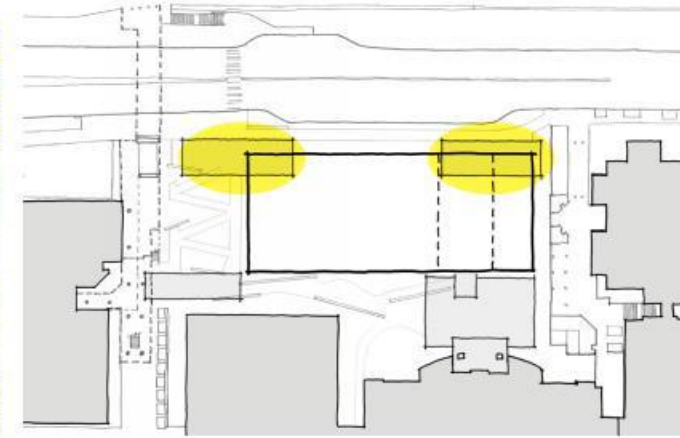
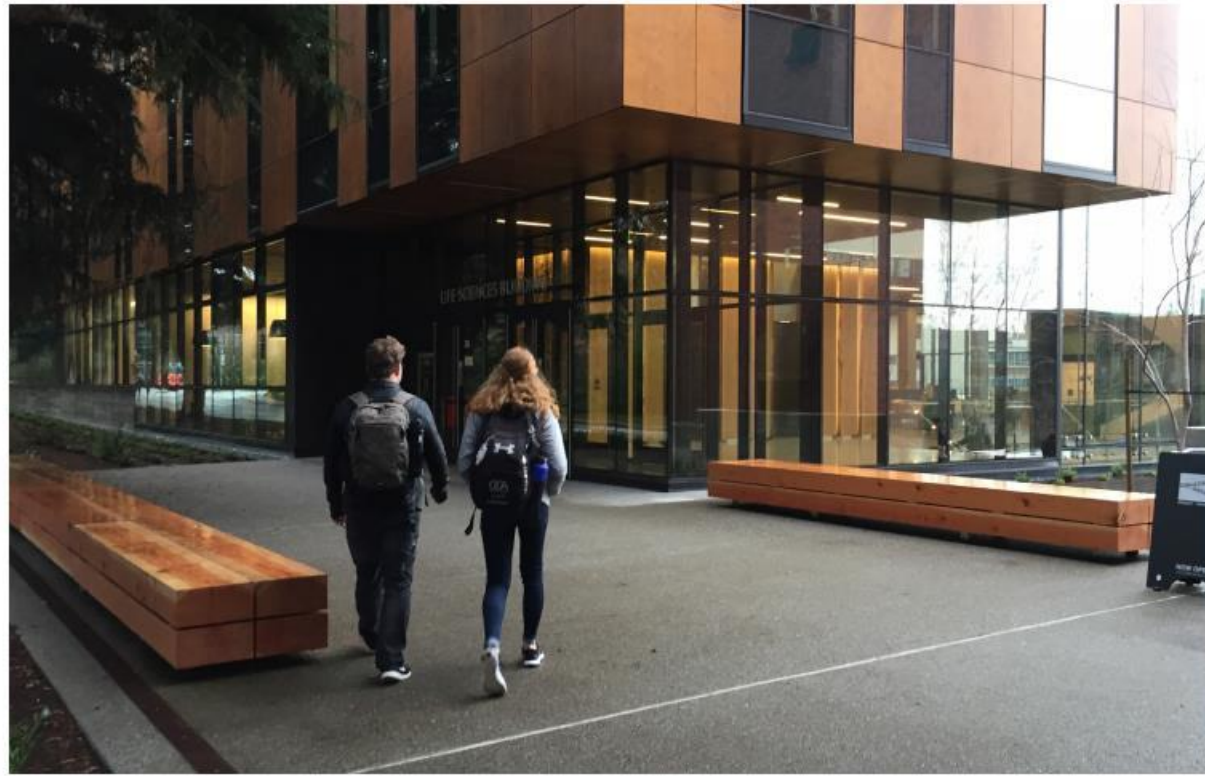
E-WING



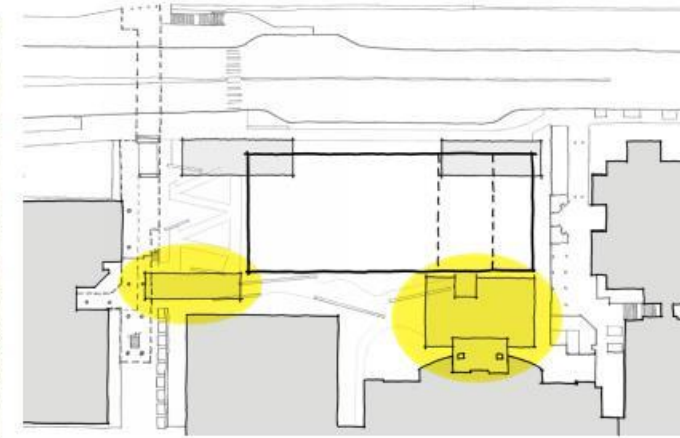
The feeling of “ahhhhhh...”



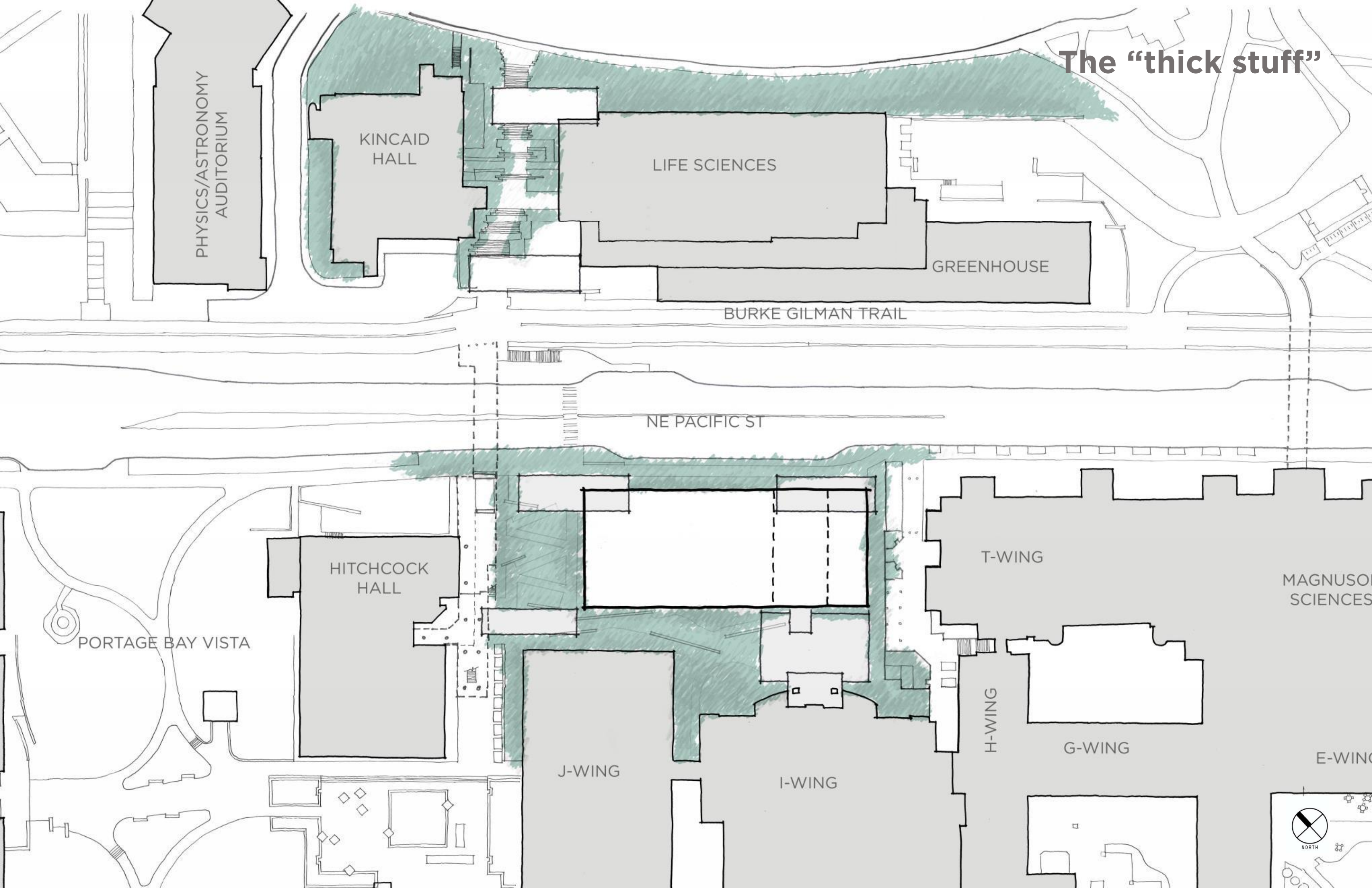
Streetscape and Entries - character



South Rooms - character



The "thick stuff"



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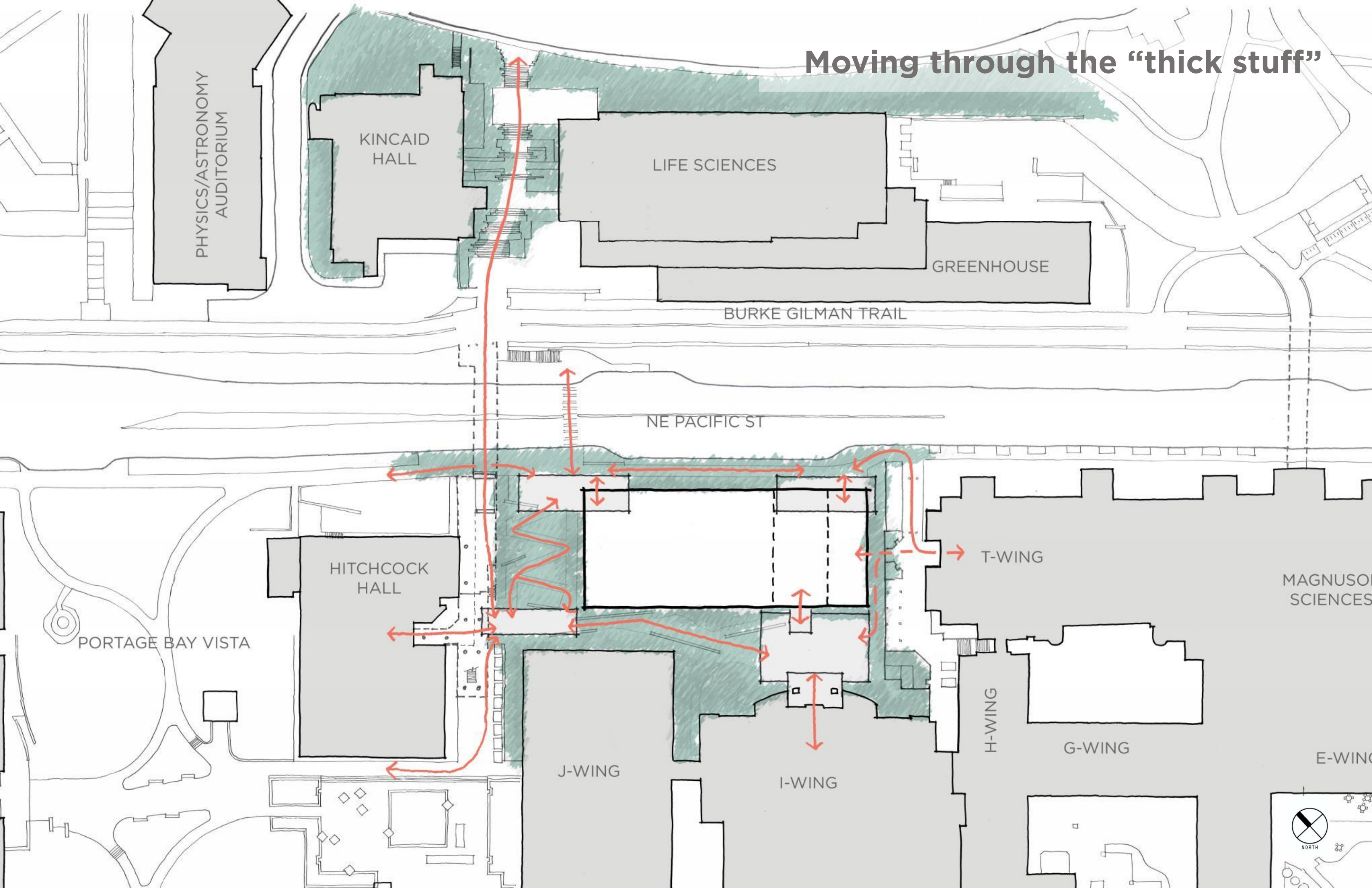
E-WING

J-WING

I-WING



Moving through the "thick stuff"



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G-WING

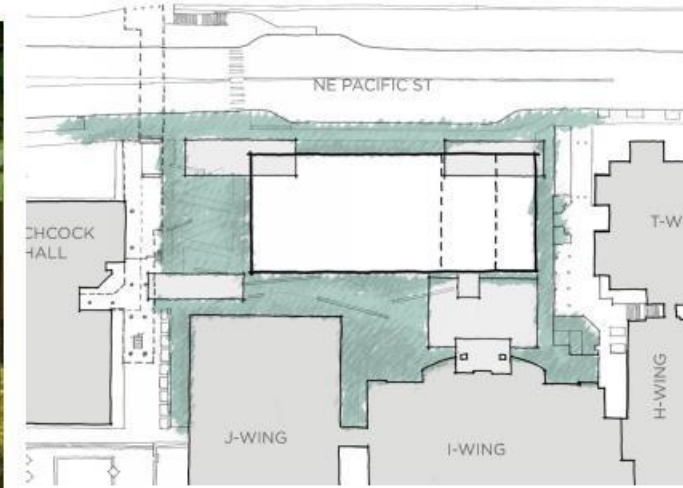
E-WING



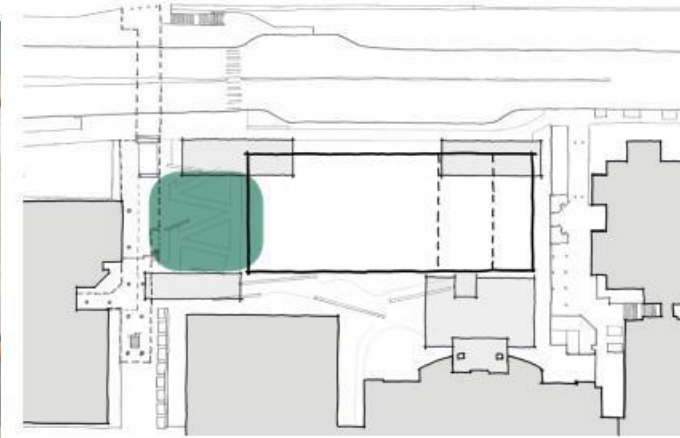
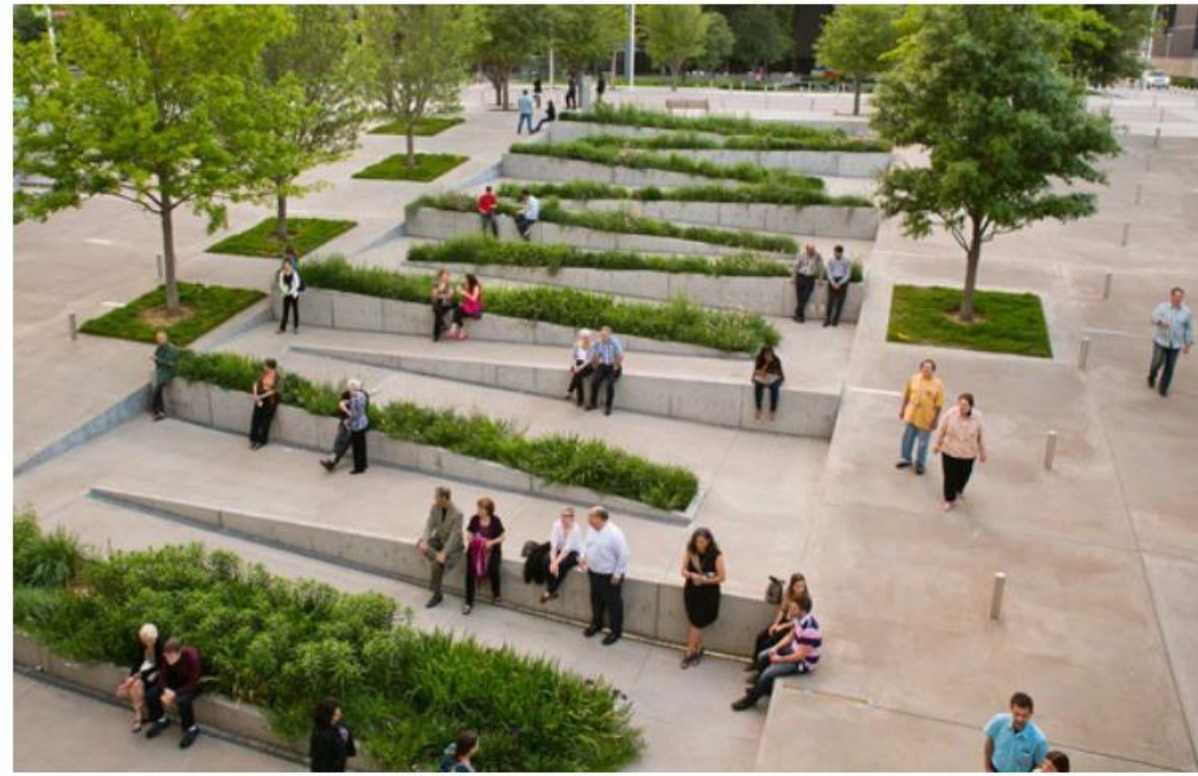
The “thick stuff”



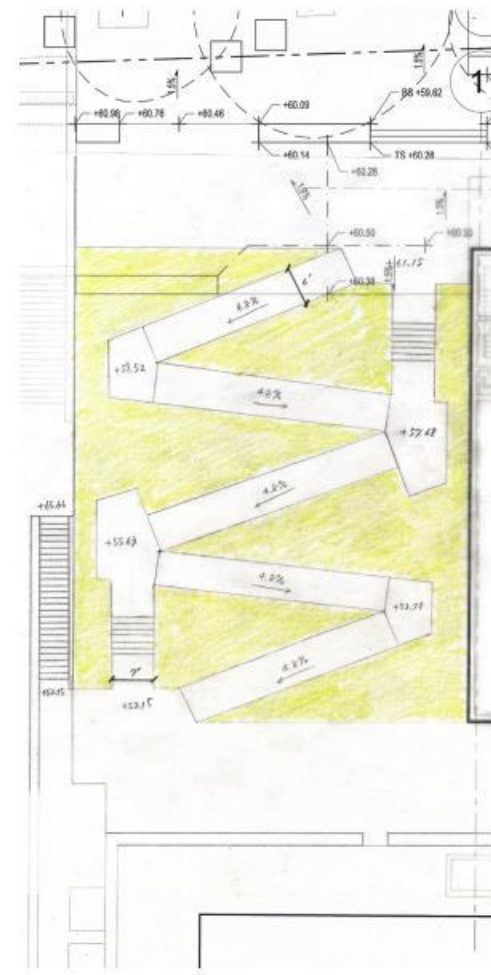
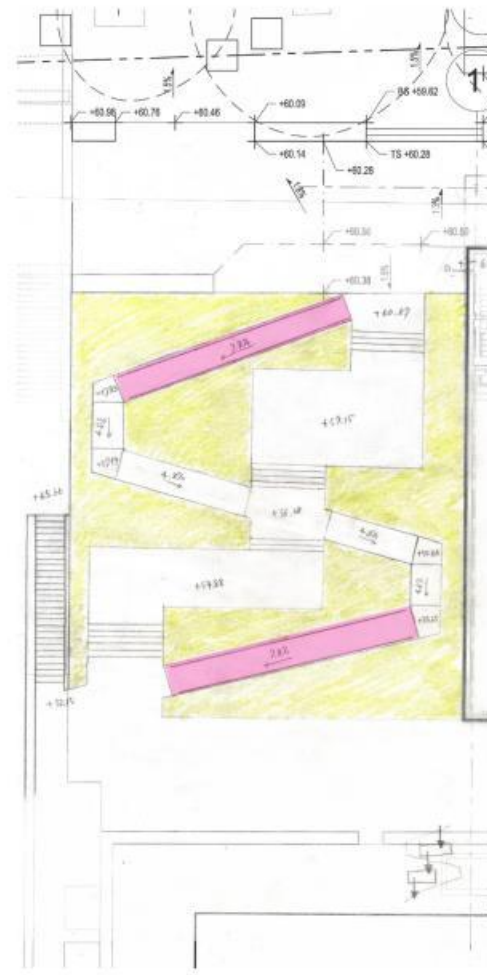
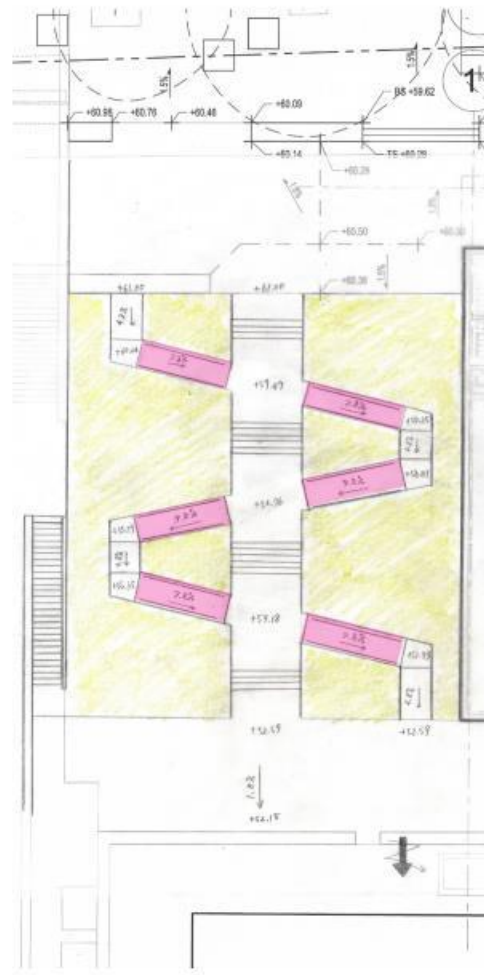
The “thick stuff” - character

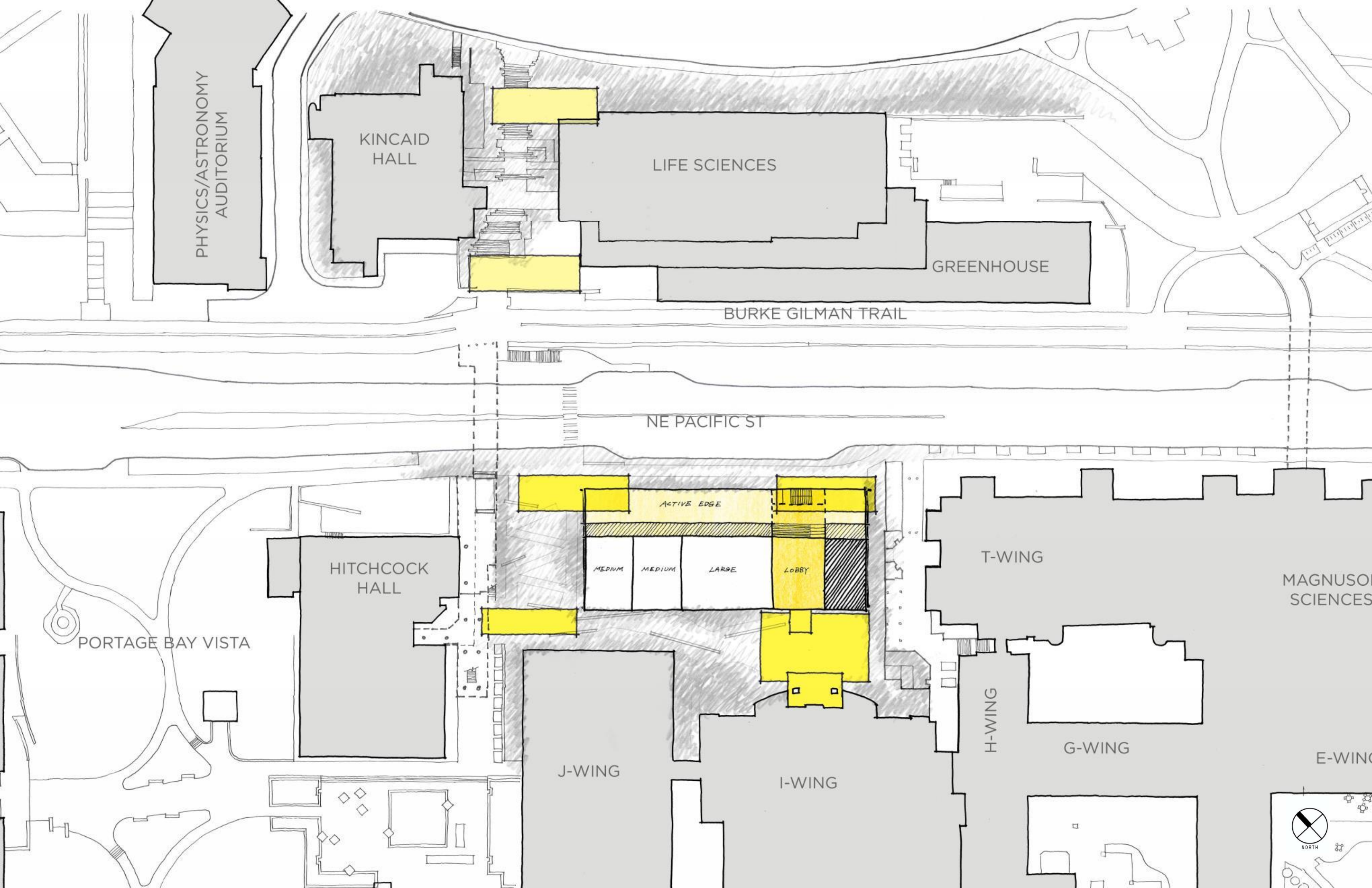


Slope Transition



Slope Transition - studies





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AUDITORIUM

KINCAID
HALL

LIFE SCIENCES

GREENHOUSE

BURKE GILMAN TRAIL

NE PACIFIC ST

HITCHCOCK
HALL

ACTIVE EDGE

MEDIUM

MEDIUM

LARGE

LOBBY

T-WING

MAGNUSON
SCIENCES

PORTAGE BAY VISTA

J-WING

I-WING

H-WING

G-WING

E-WING





NE PACIFIC ST

ACTIVE EDGE

MEDIUM

MEDIUM

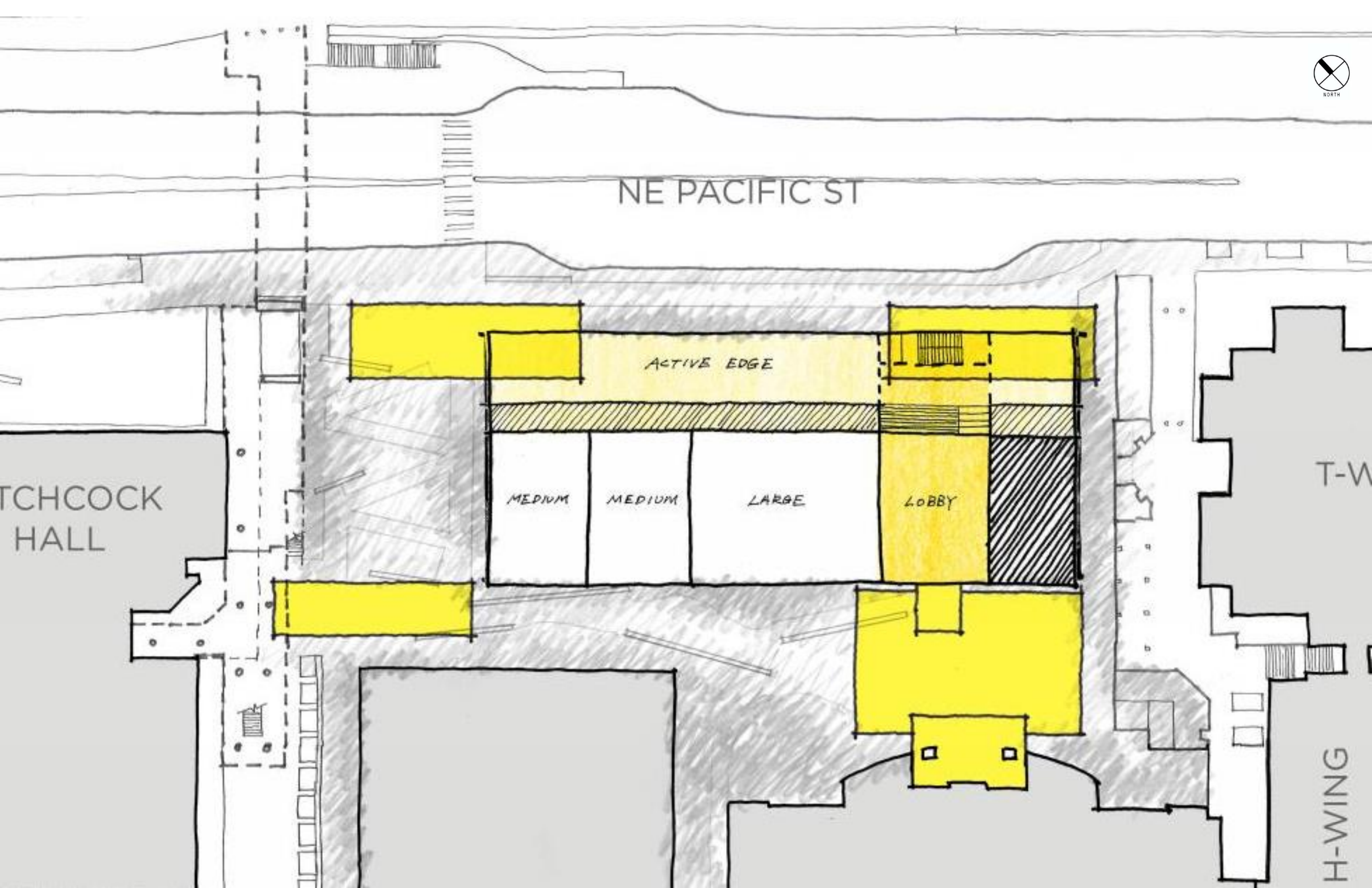
LARGE

LOBBY

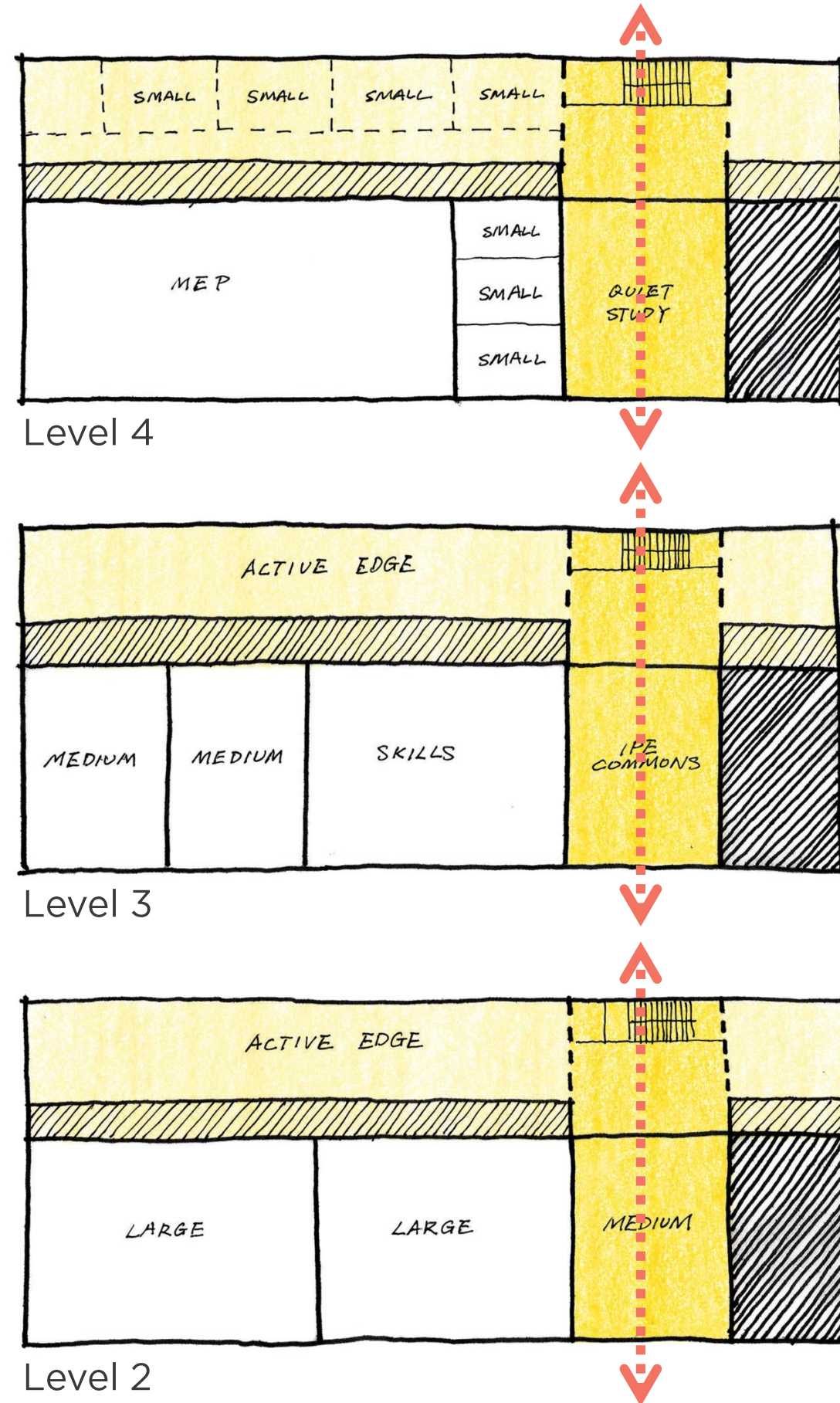
TCHCOCK
HALL

T-W

H-WING

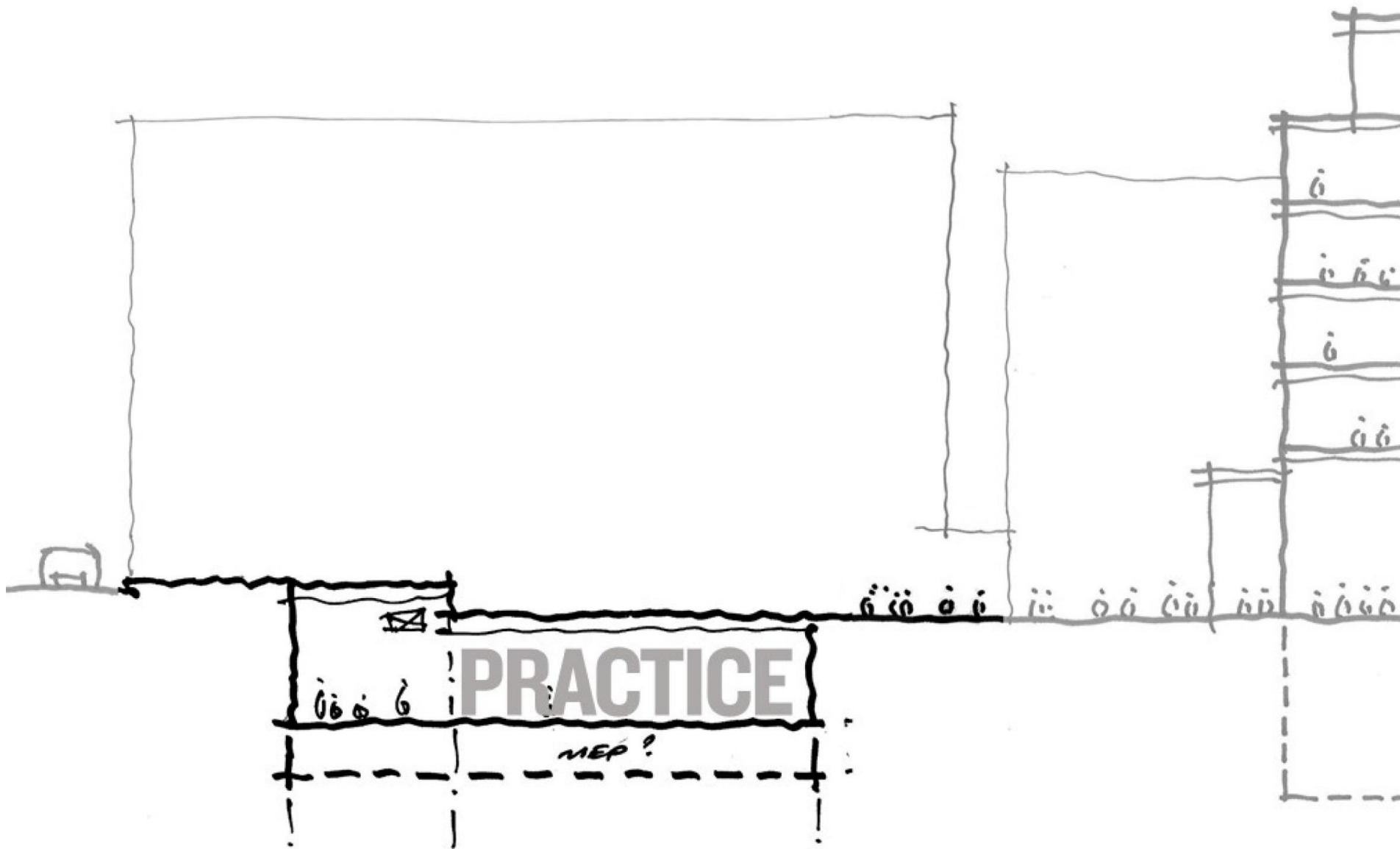


program diagram

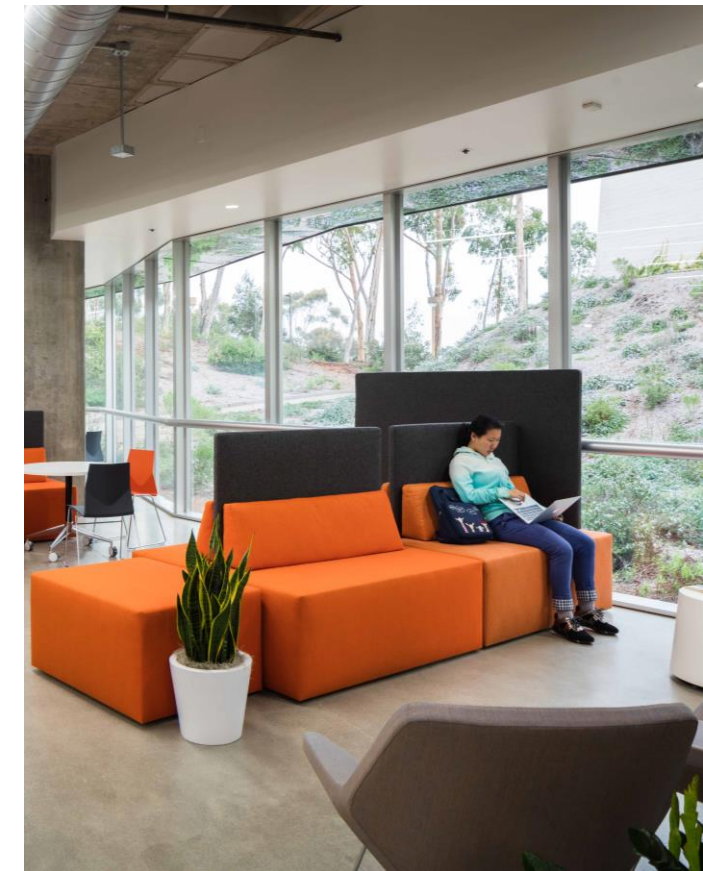
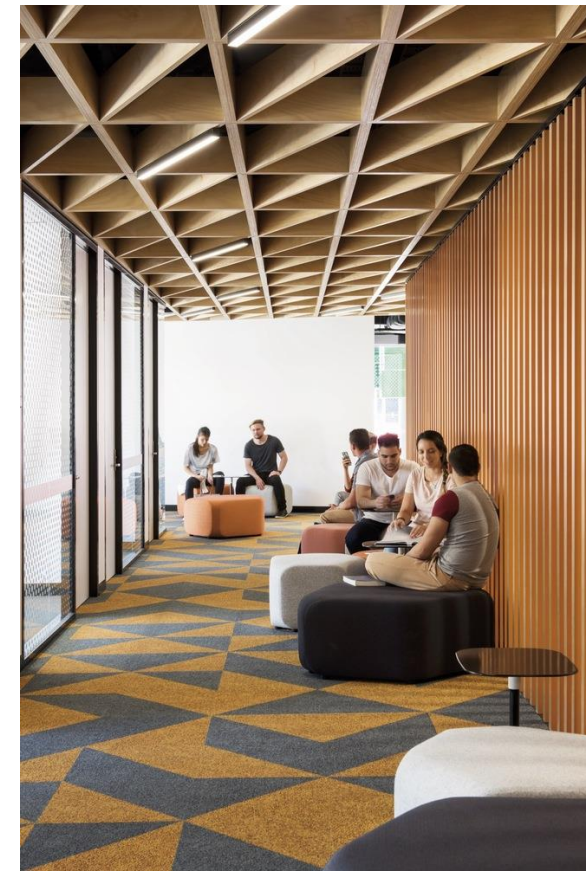
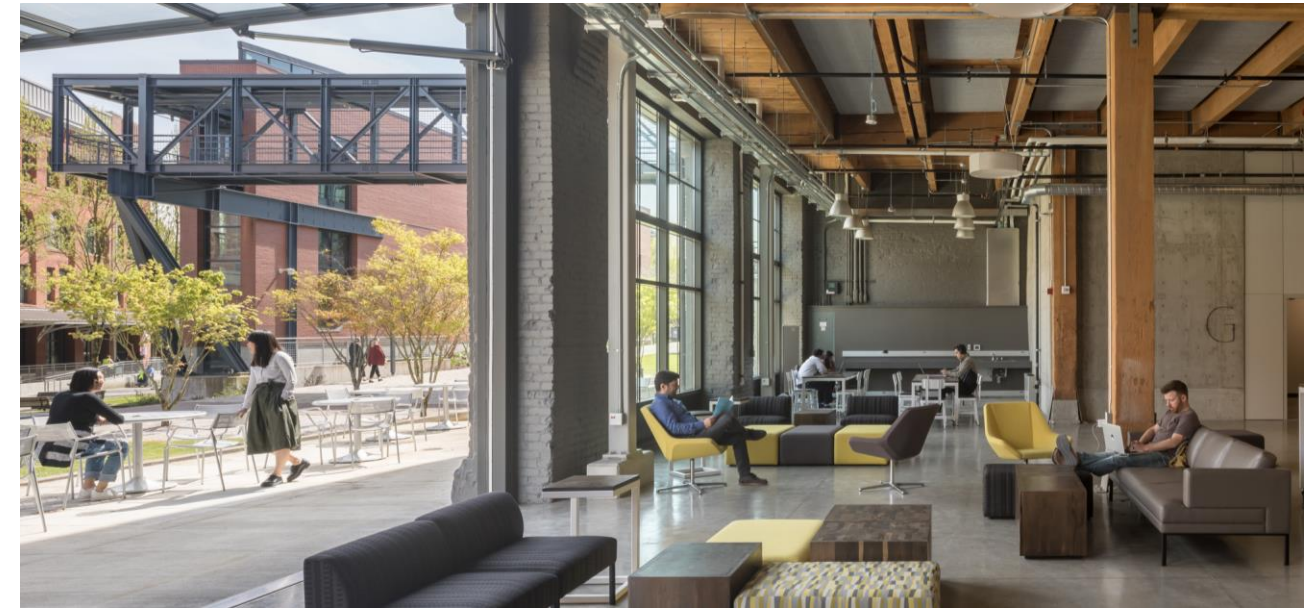
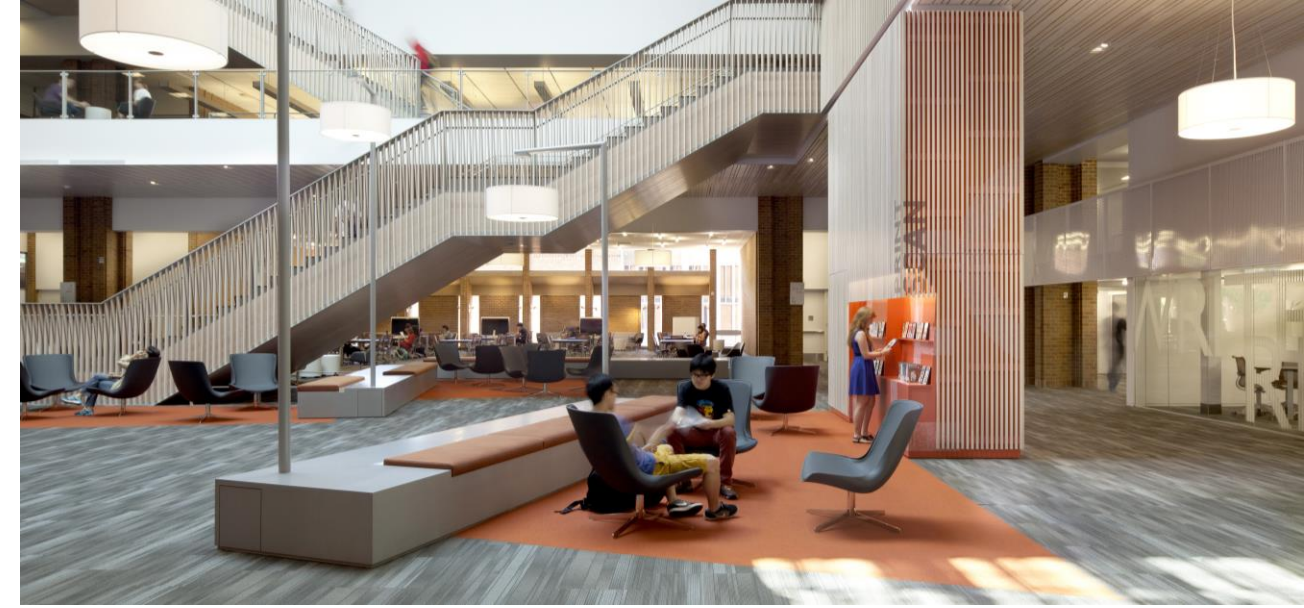
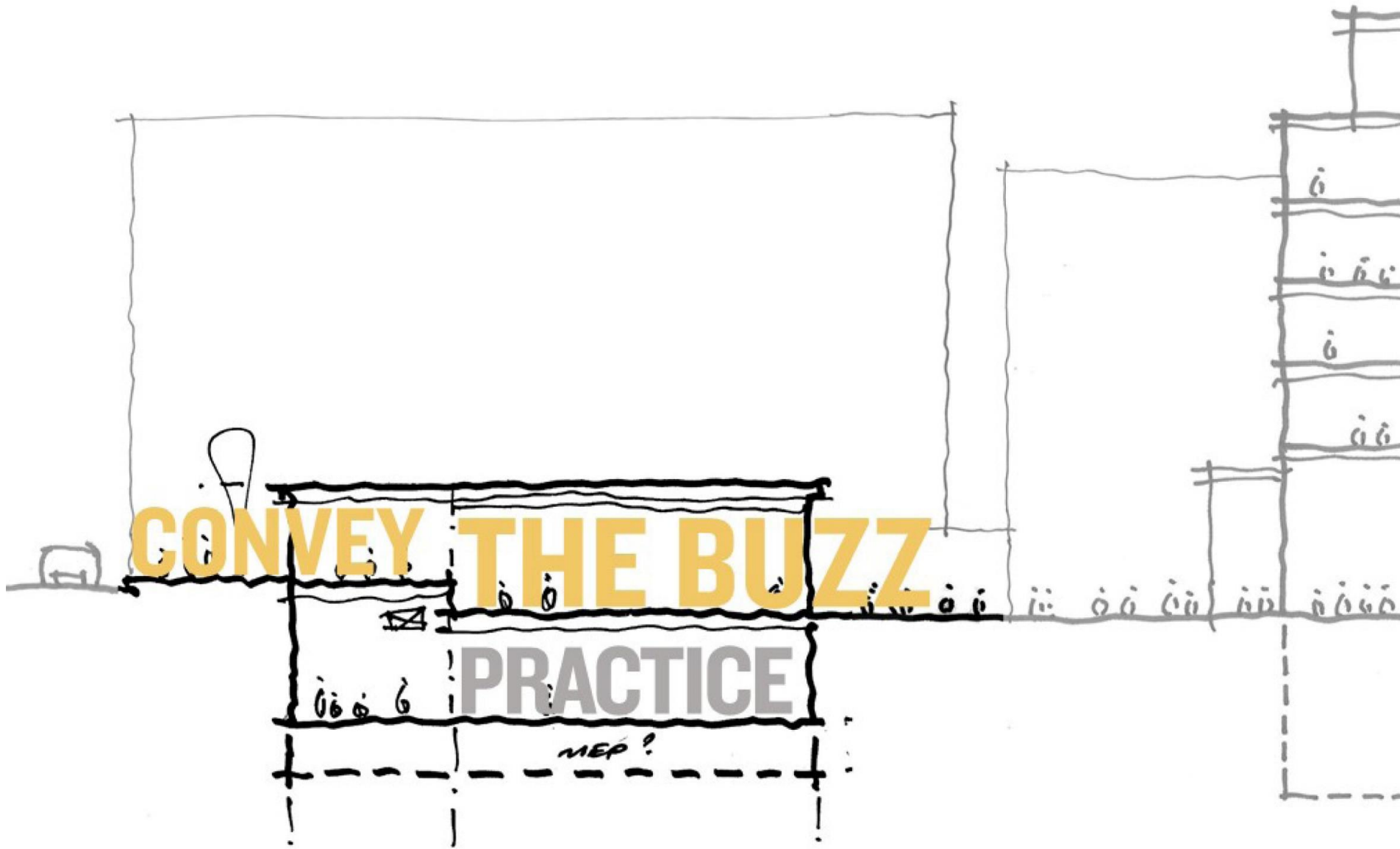


**Concept Execution
[experiential section]**

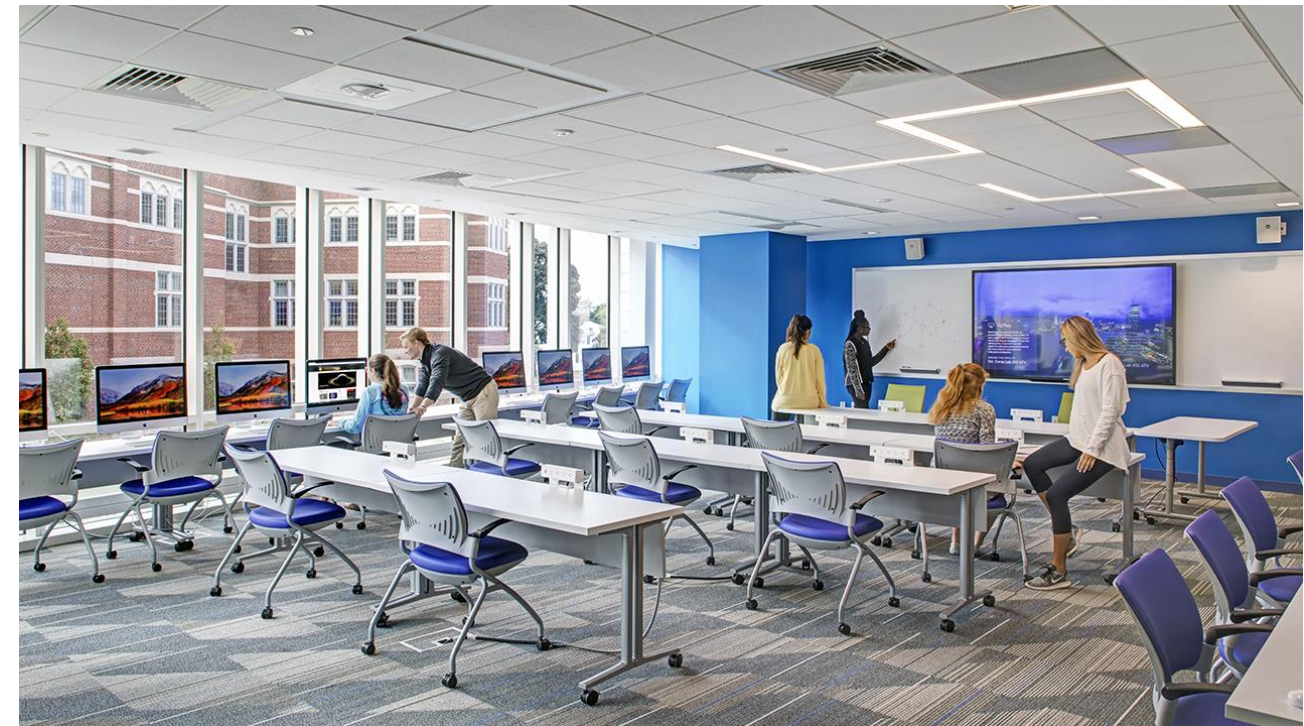
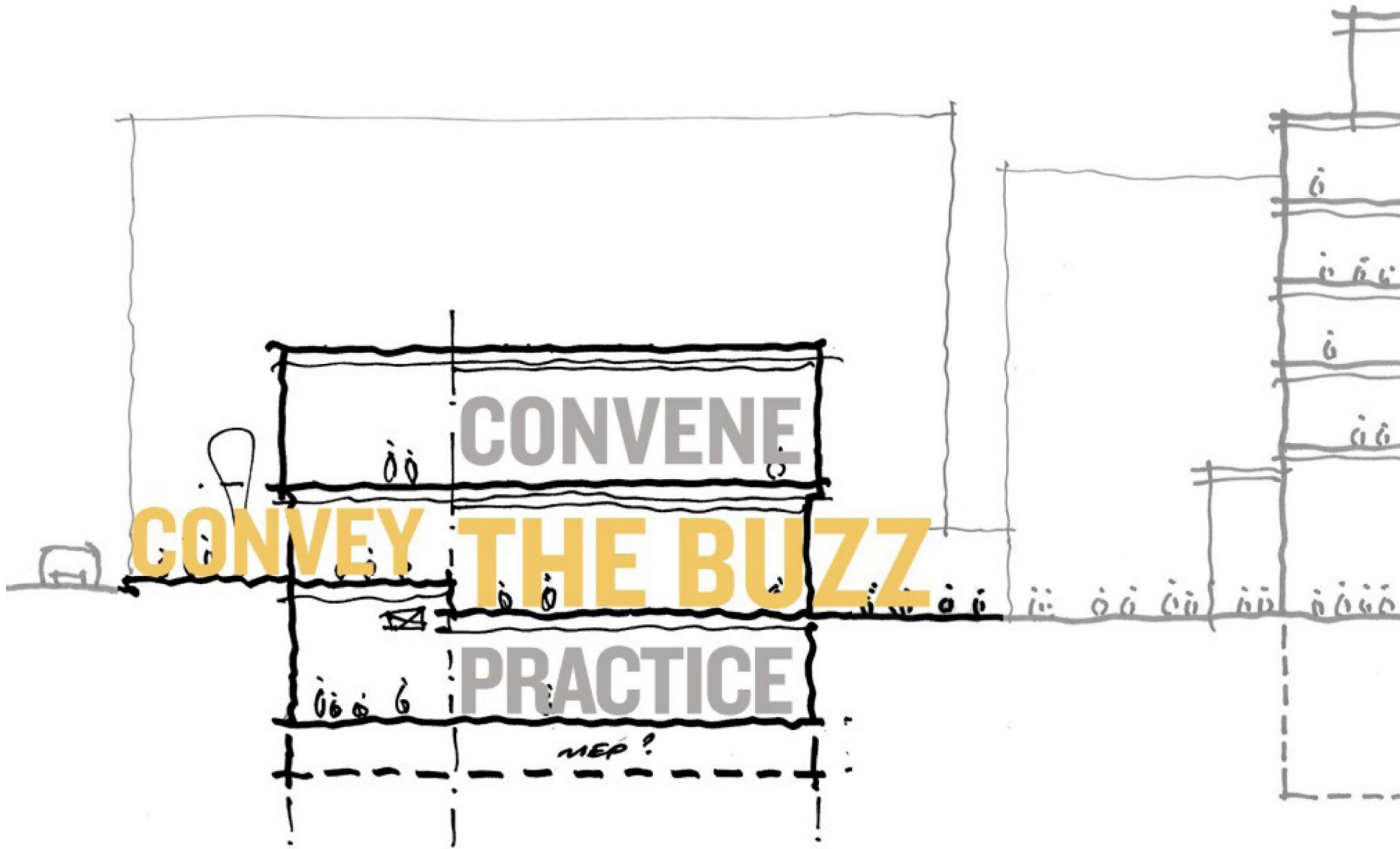
Experiential section



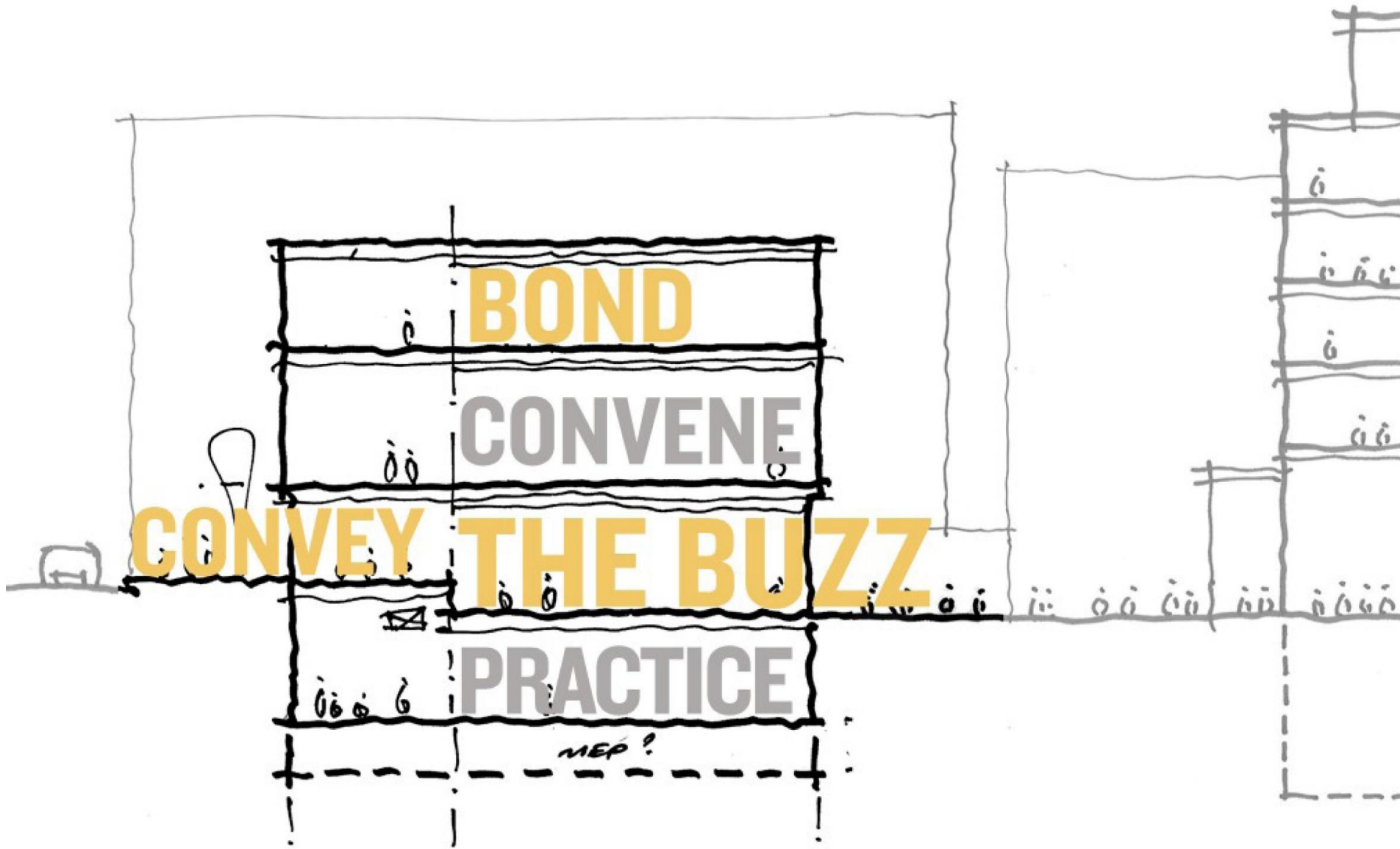
Experiential section



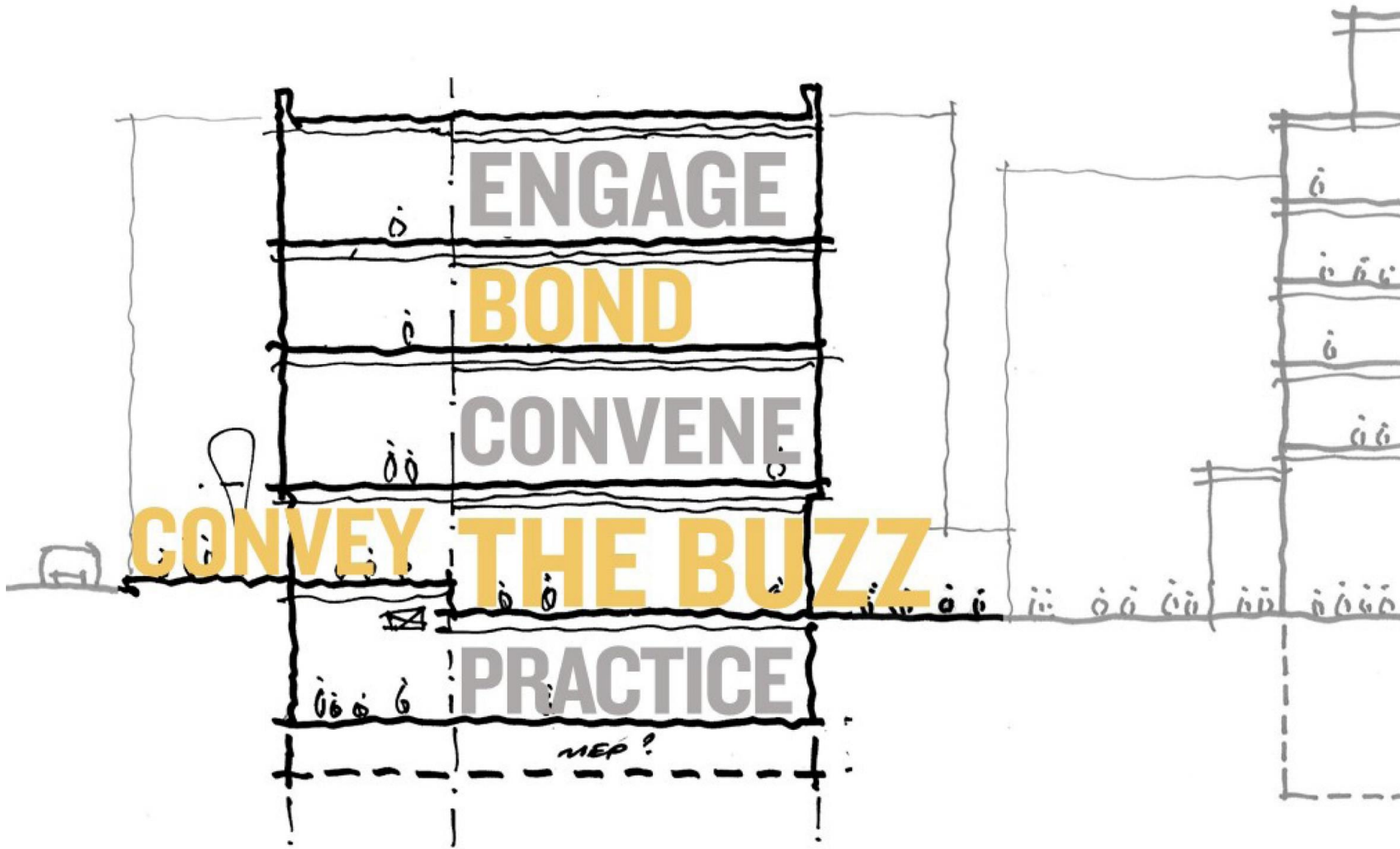
Experiential section



Experiential section



Experiential section

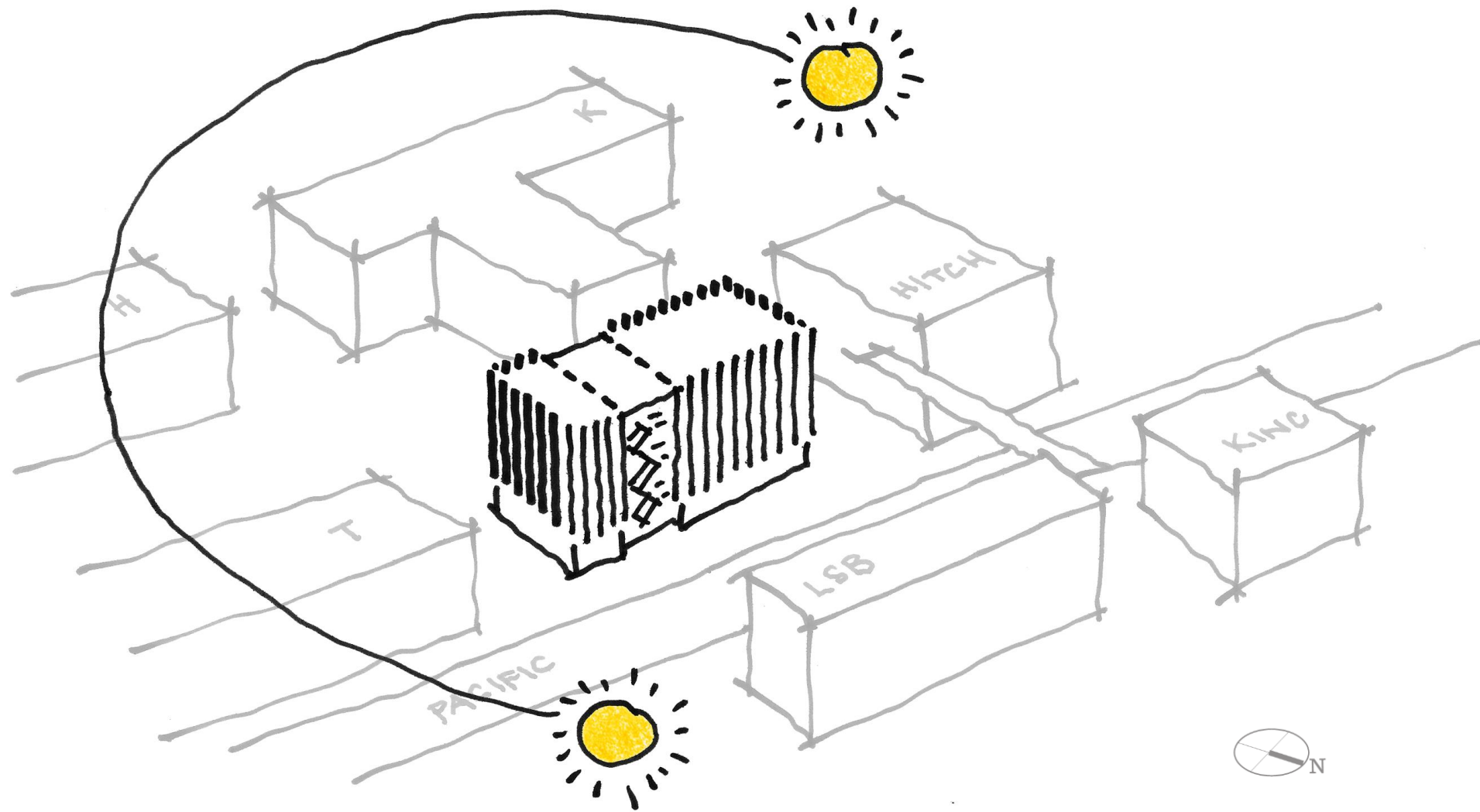


Concept EXECUTION
[skin]

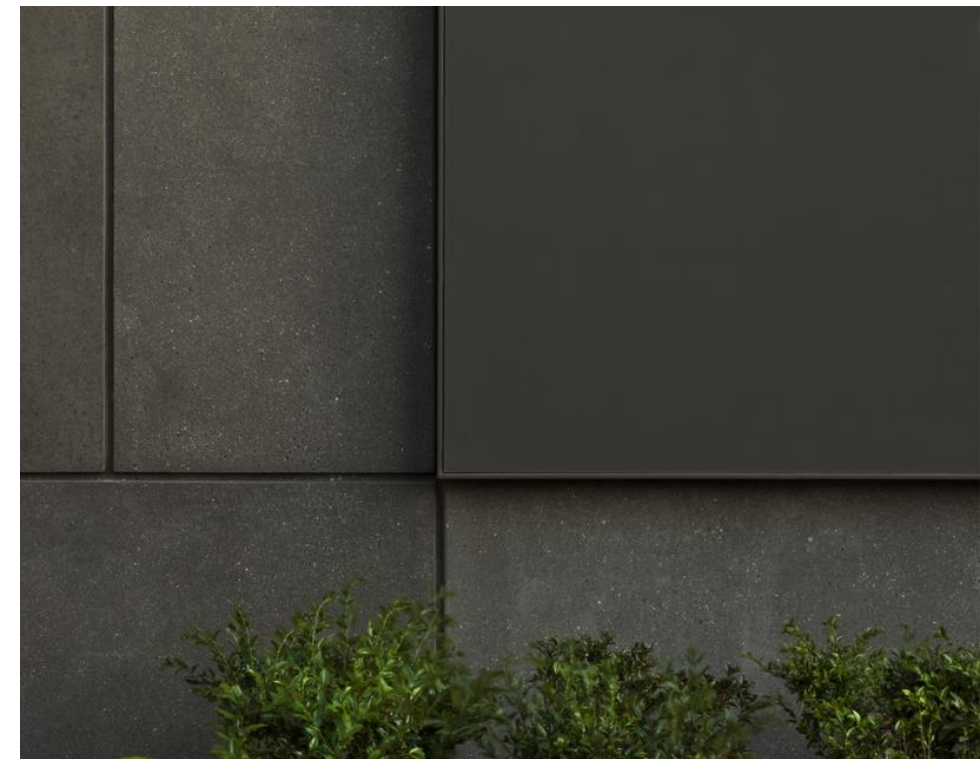
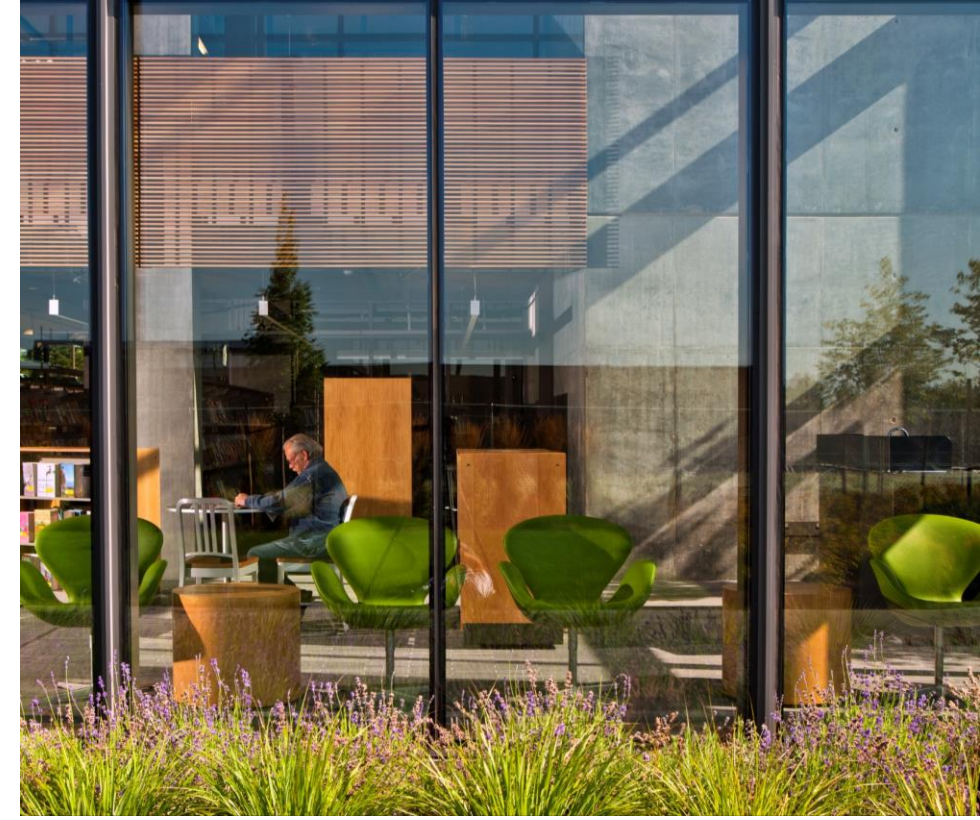
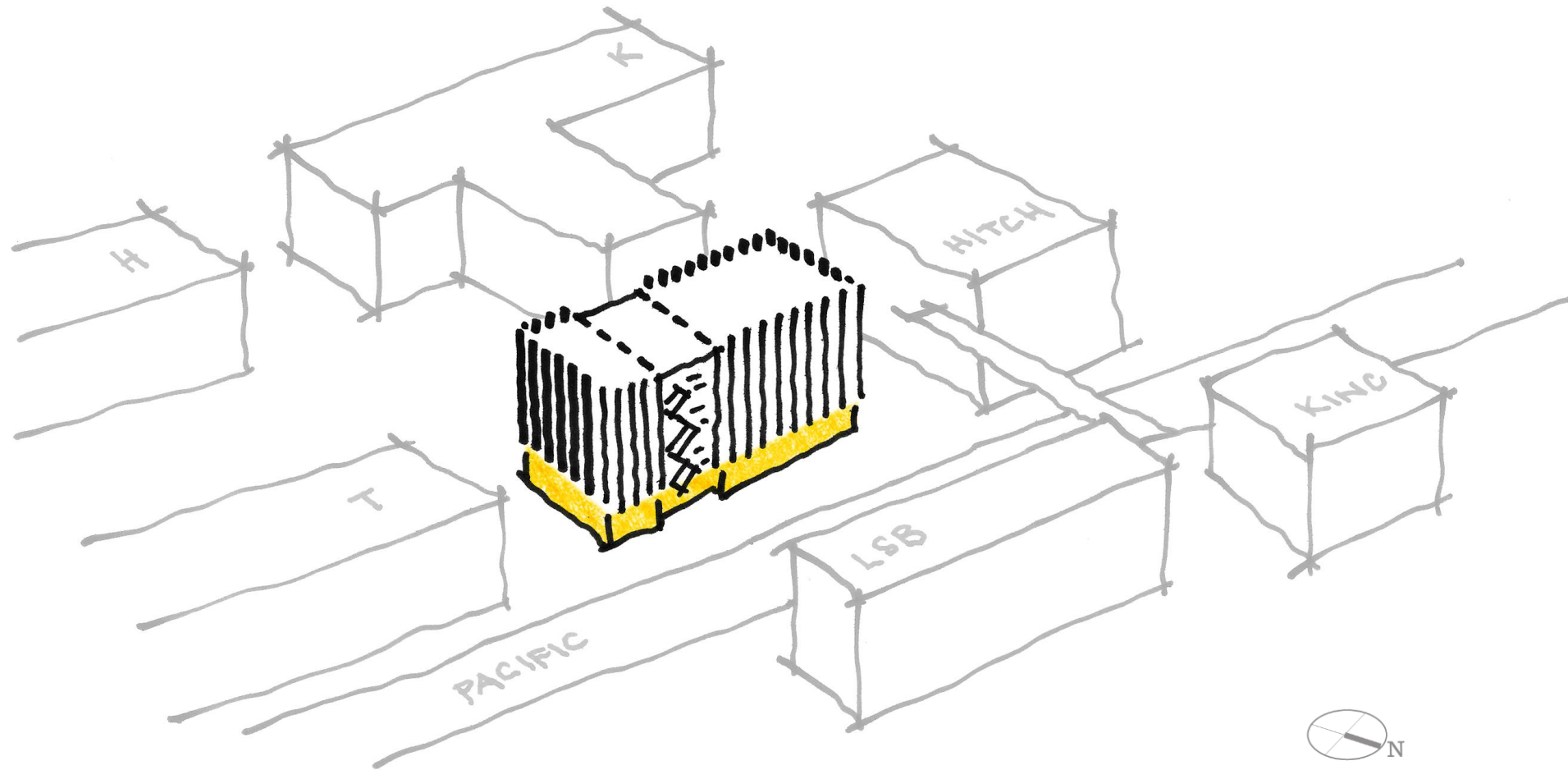
Envelope design criteria

- Reflect the environment + program
- Set precedent for performance on south campus
- Operate at multiple scales
- Convey a sensory, textural gradient
(opaque, semi-opaque, semi-transparent, transparent)
- Express significant opening/program at the 'heart'

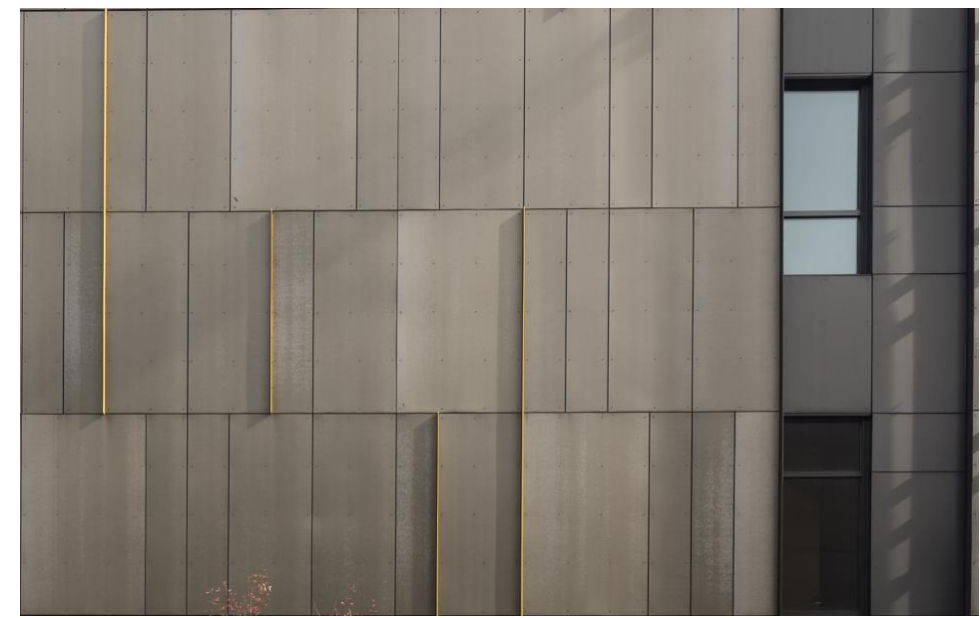
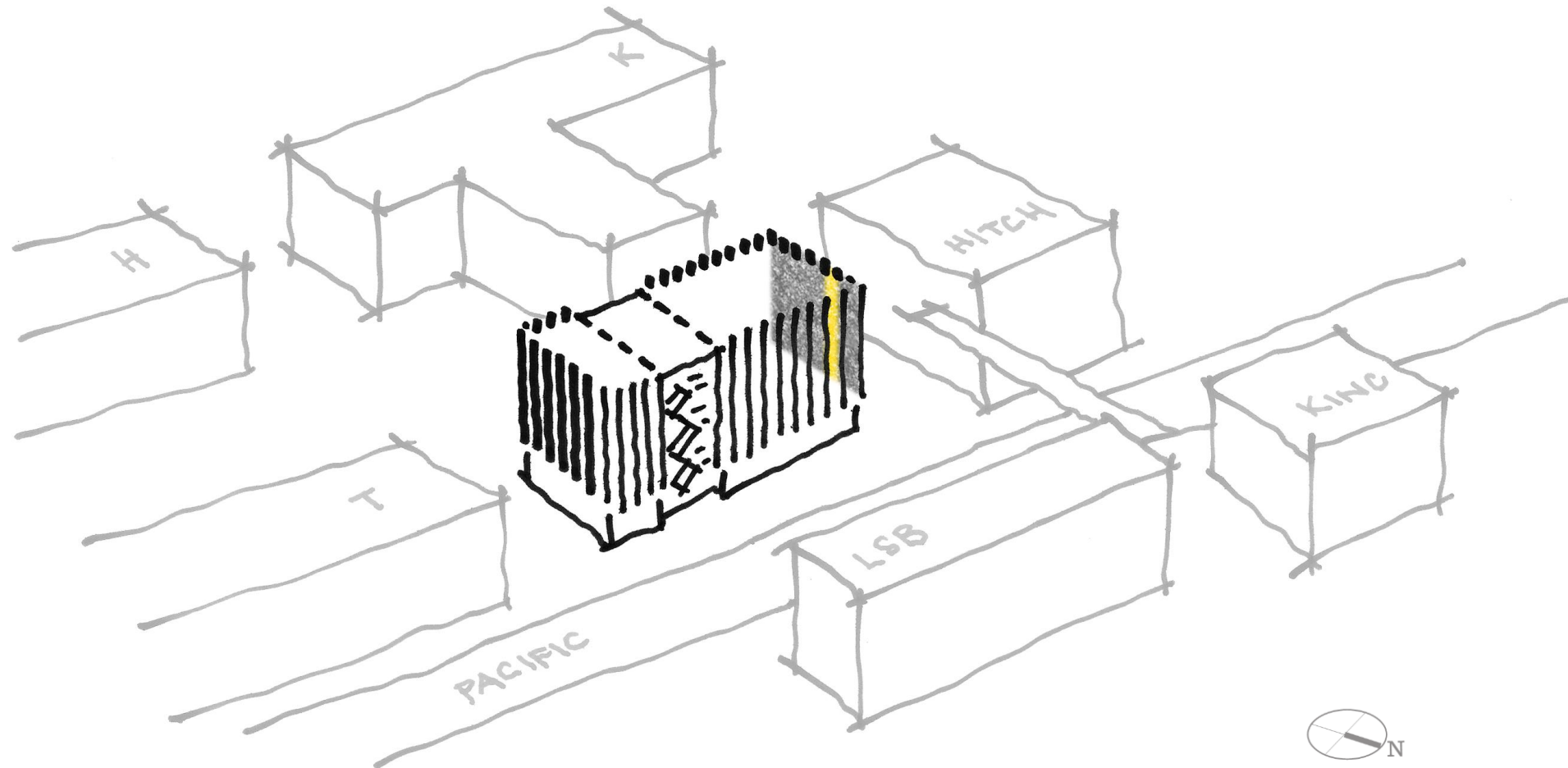
Envelope exploration methodology



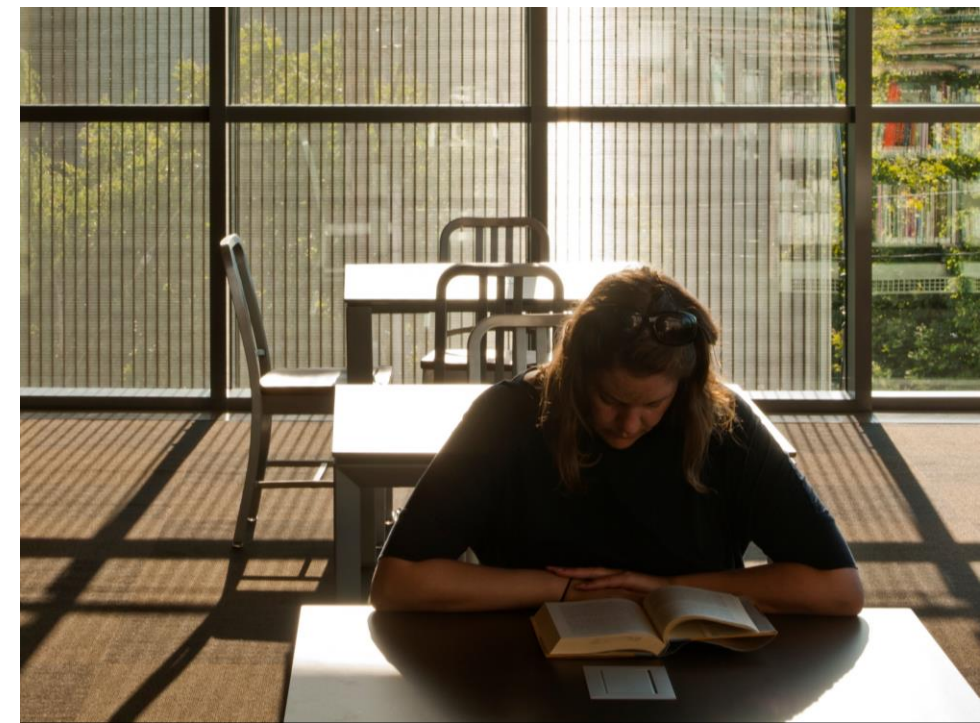
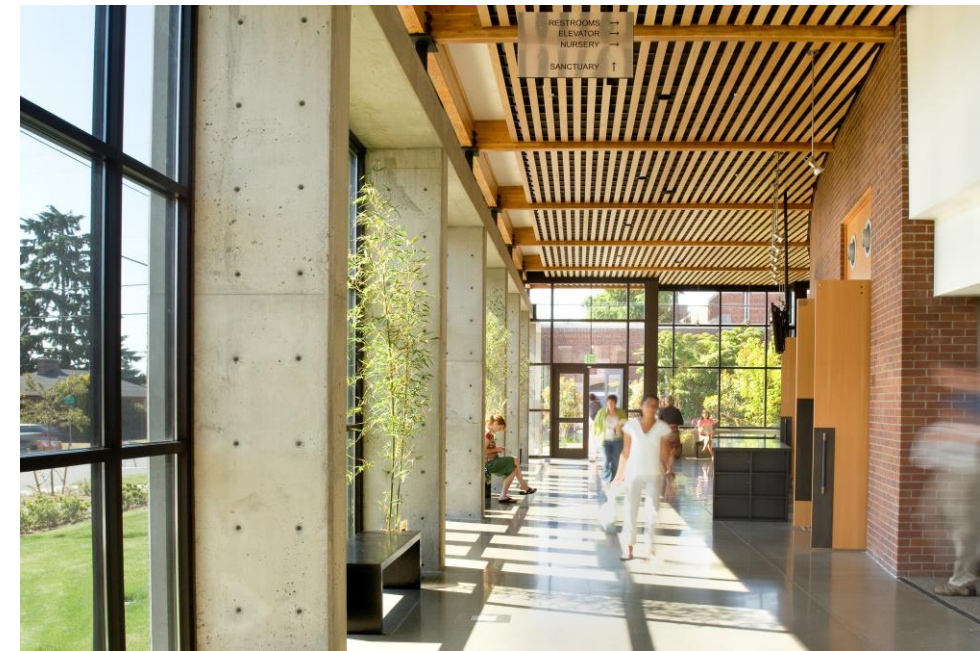
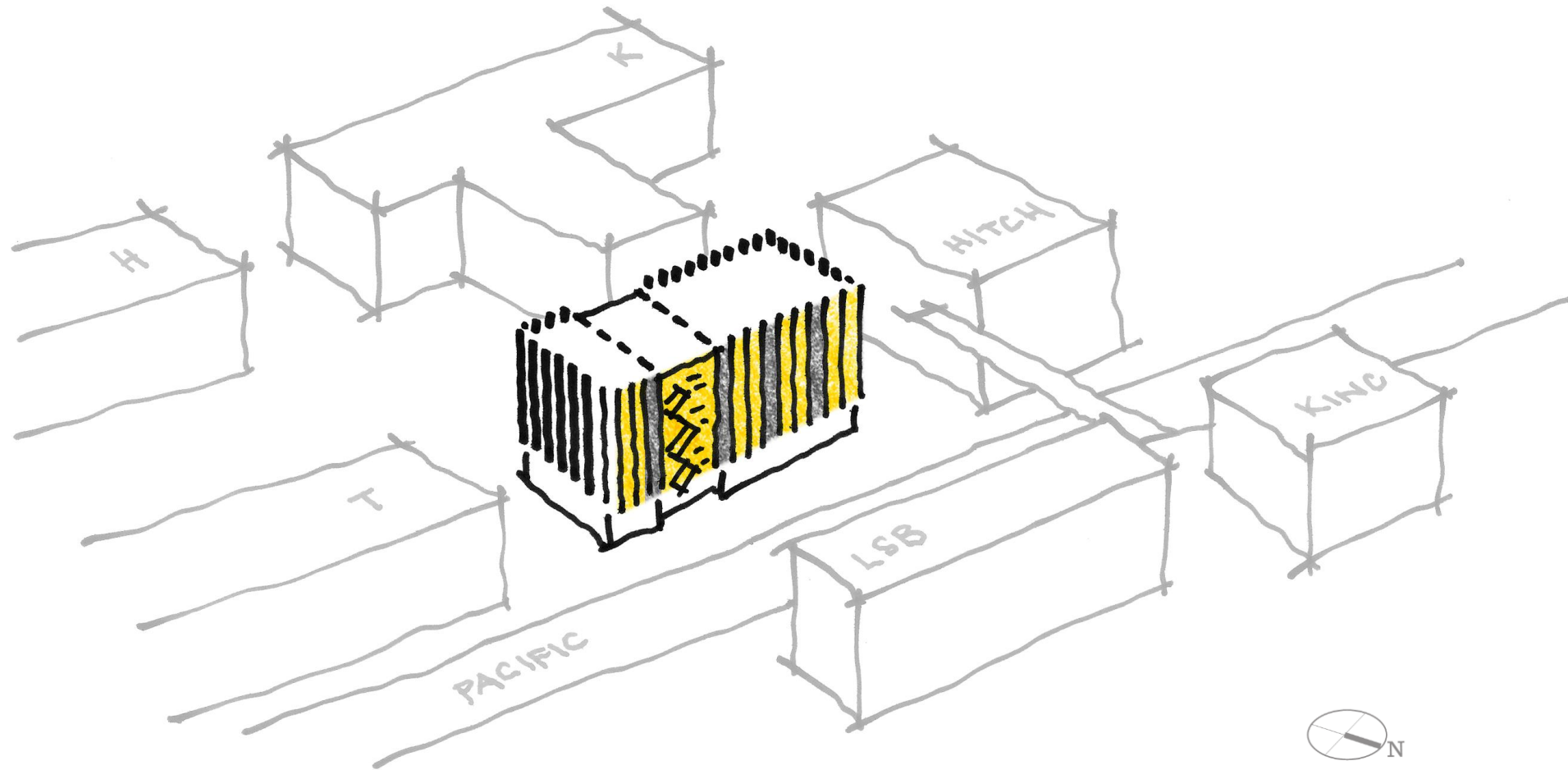
Podium: full height glazing + site walls



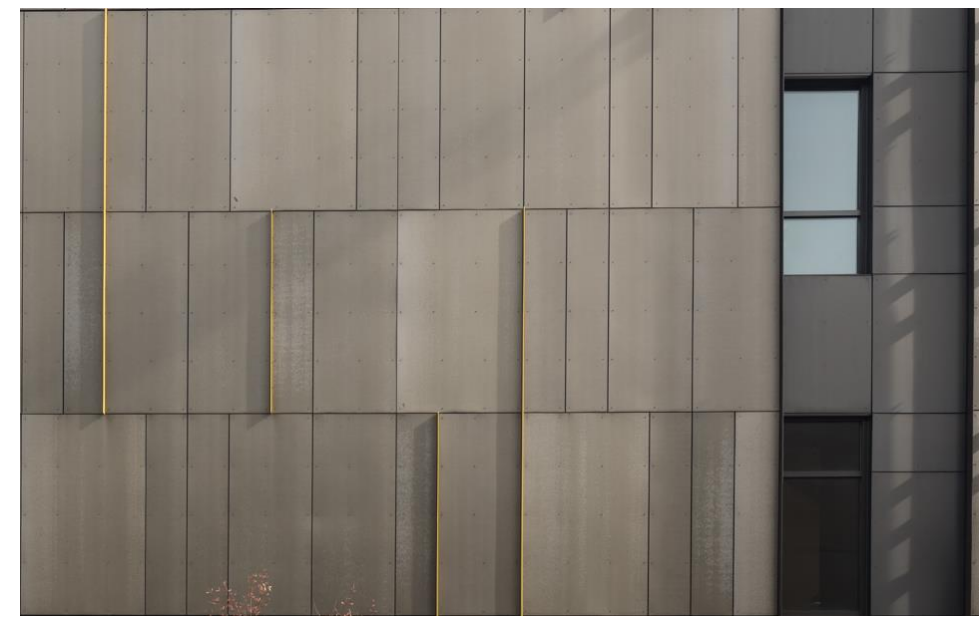
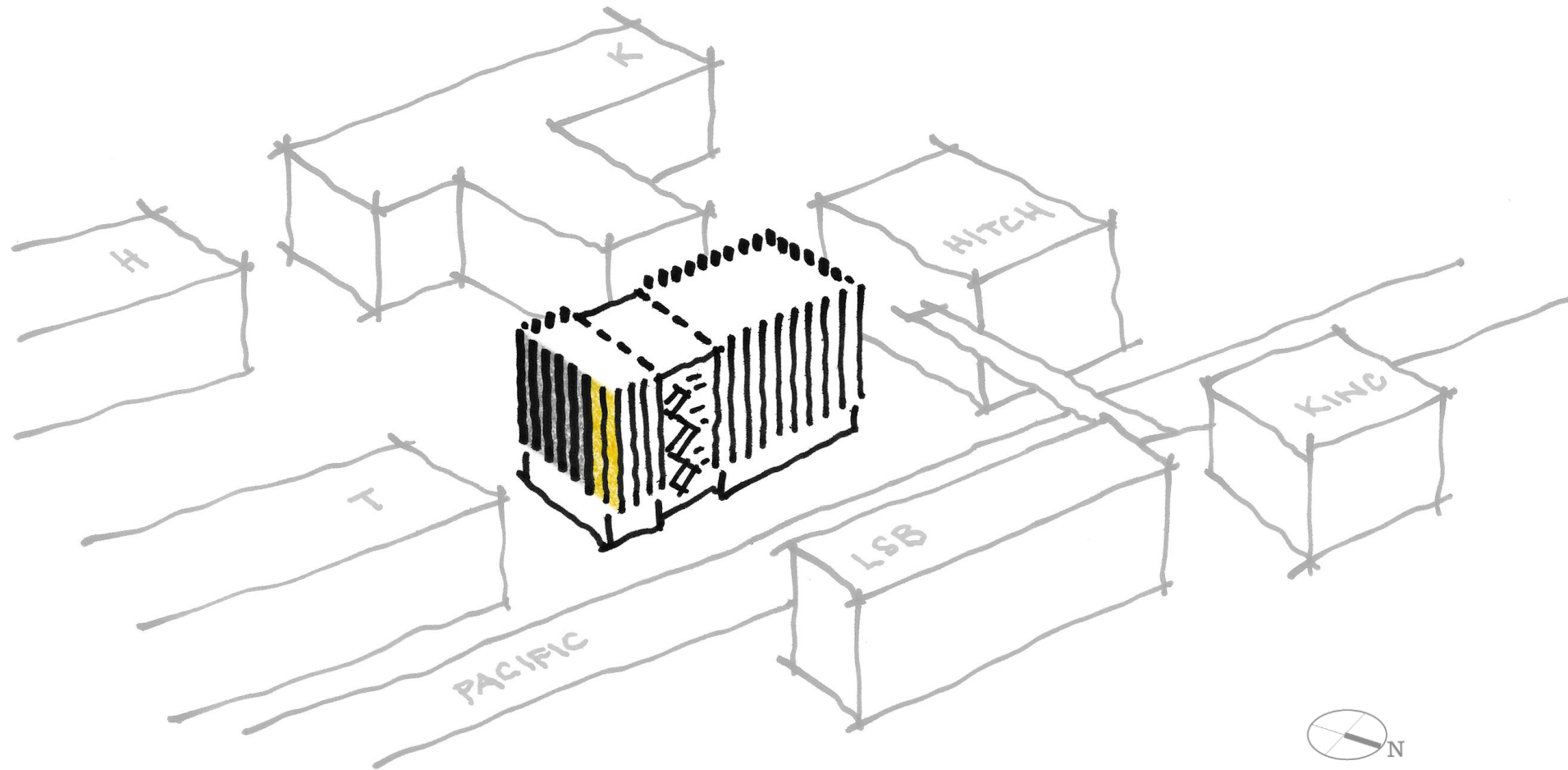
Northwest: solid, textural with limited openings



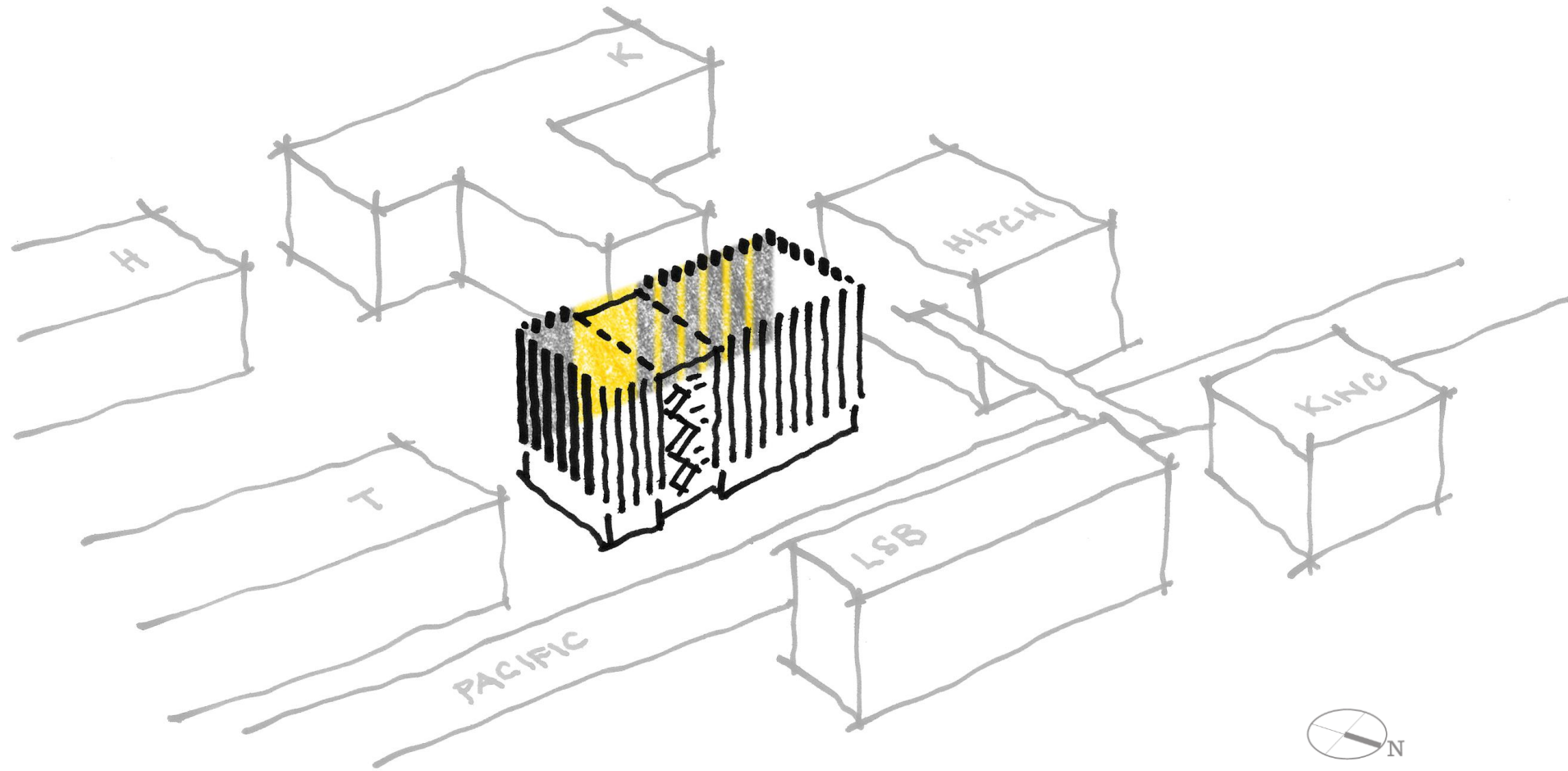
Northeast: increased transparency



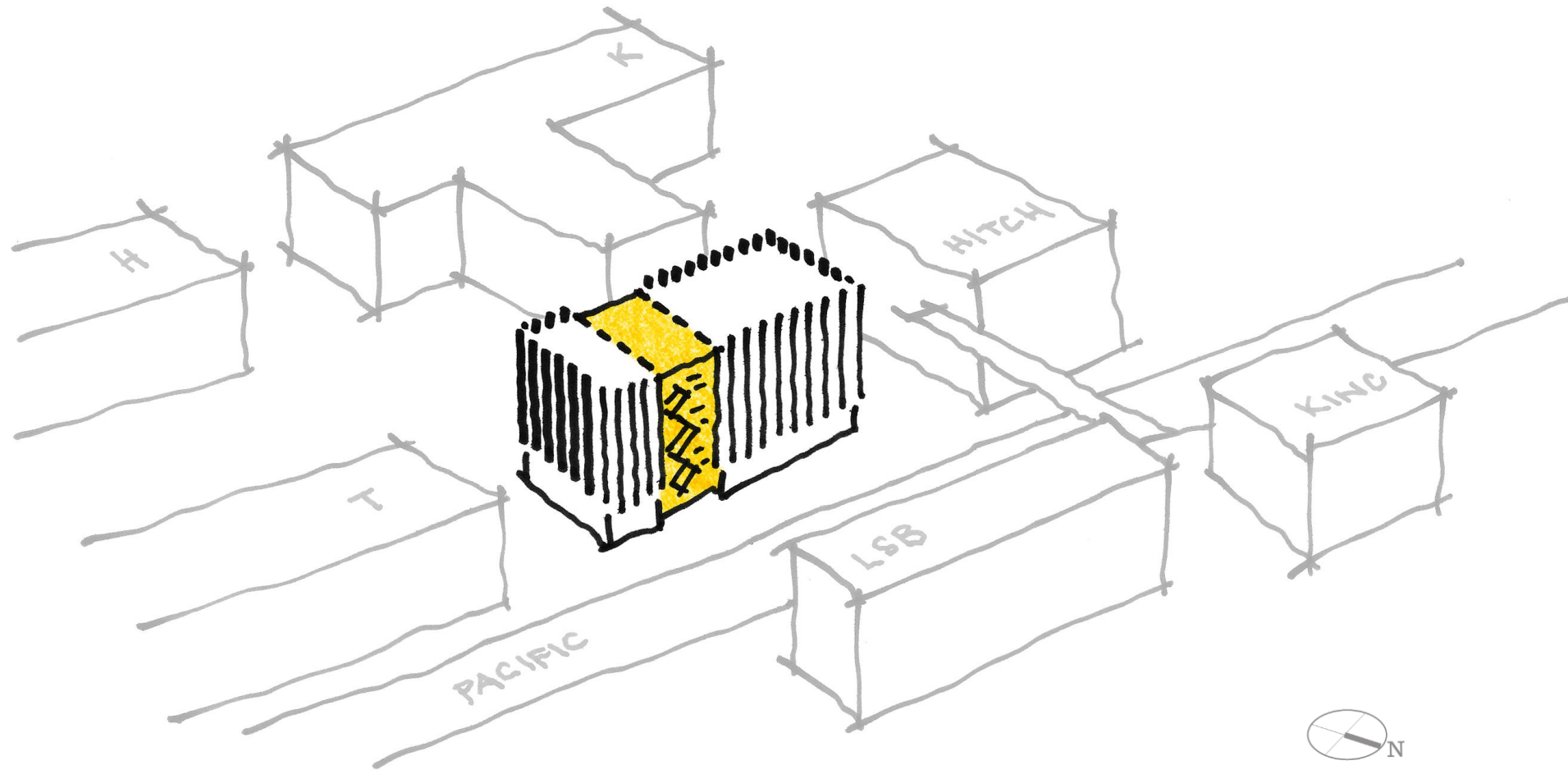
Northwest: solid, textural with limited openings



Southwest: shading + intentional transparency

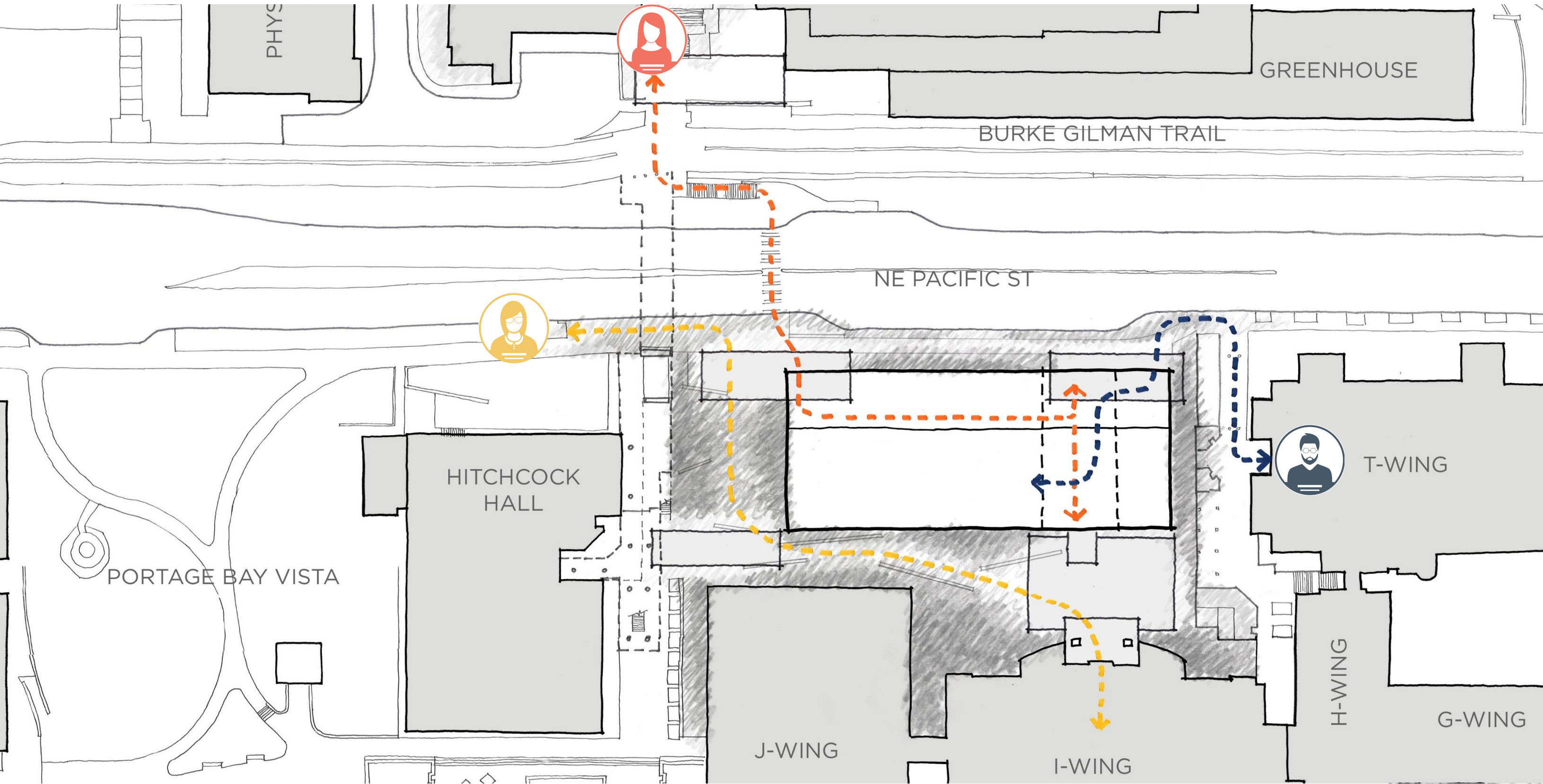


“heart:” intentional transparency + vertical circulation



Concept EXECUTION
[spatial sequences]

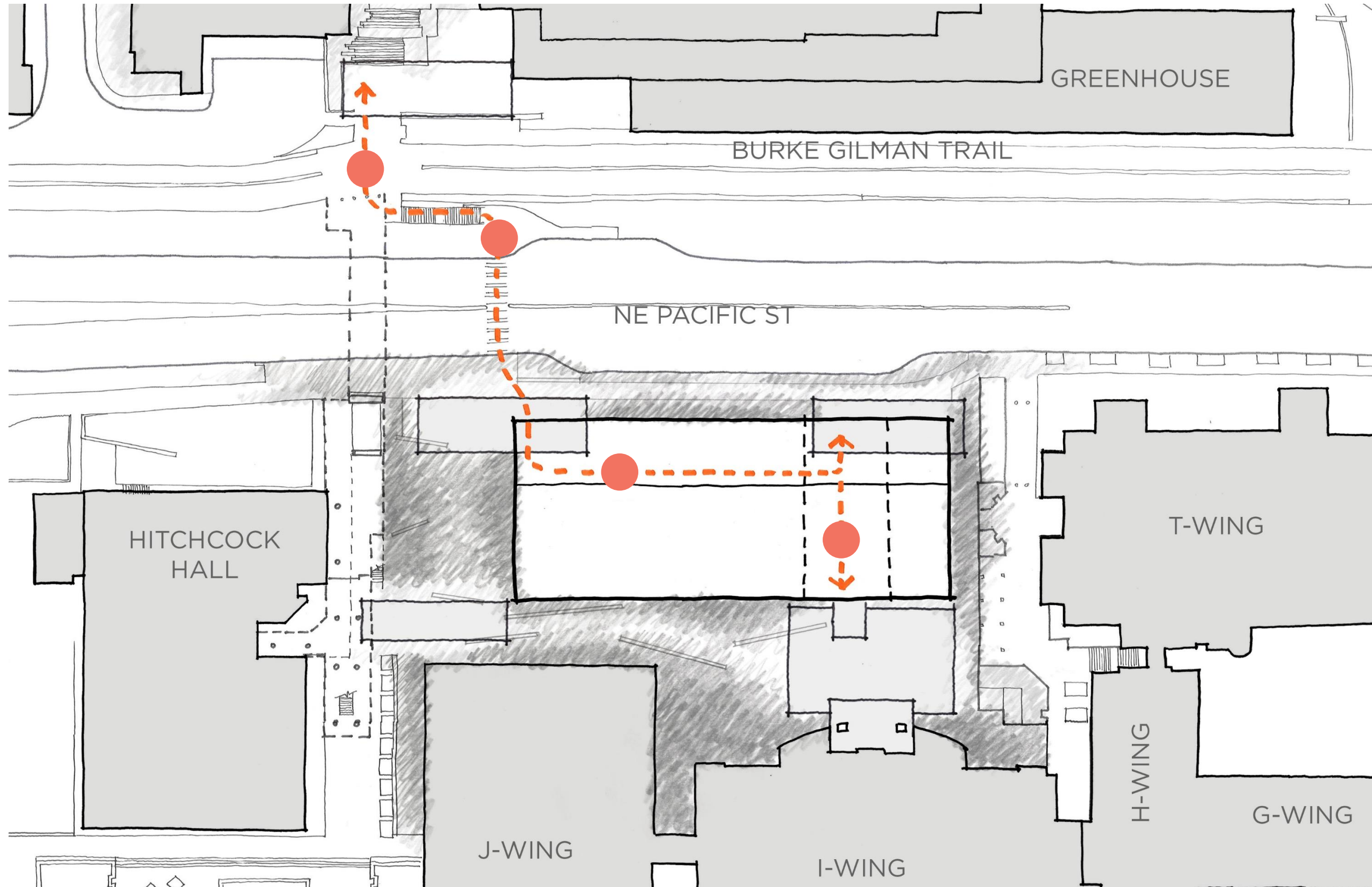
Experiential Routes





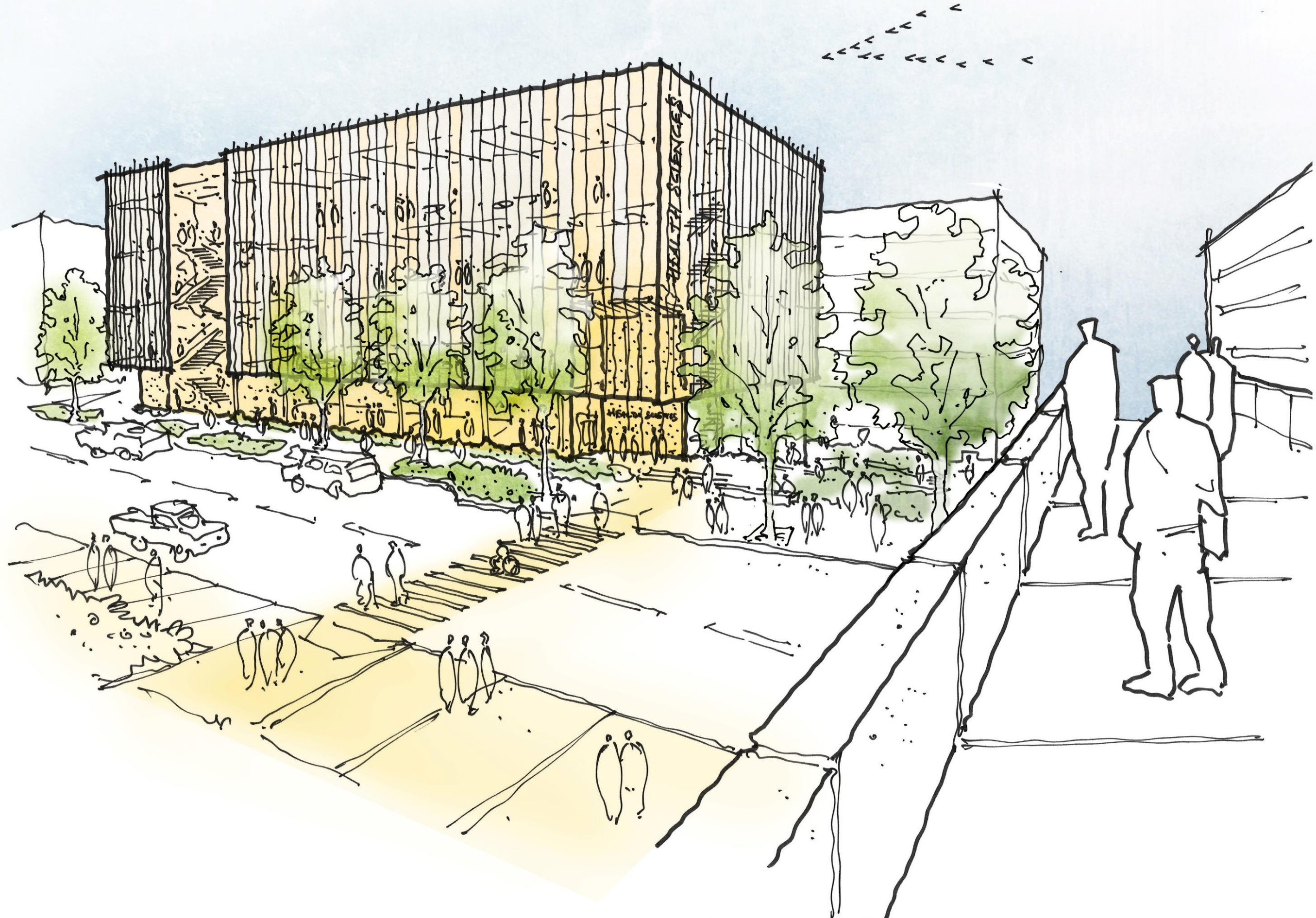
Student

Main campus to HSEB
to HEART



NORTH

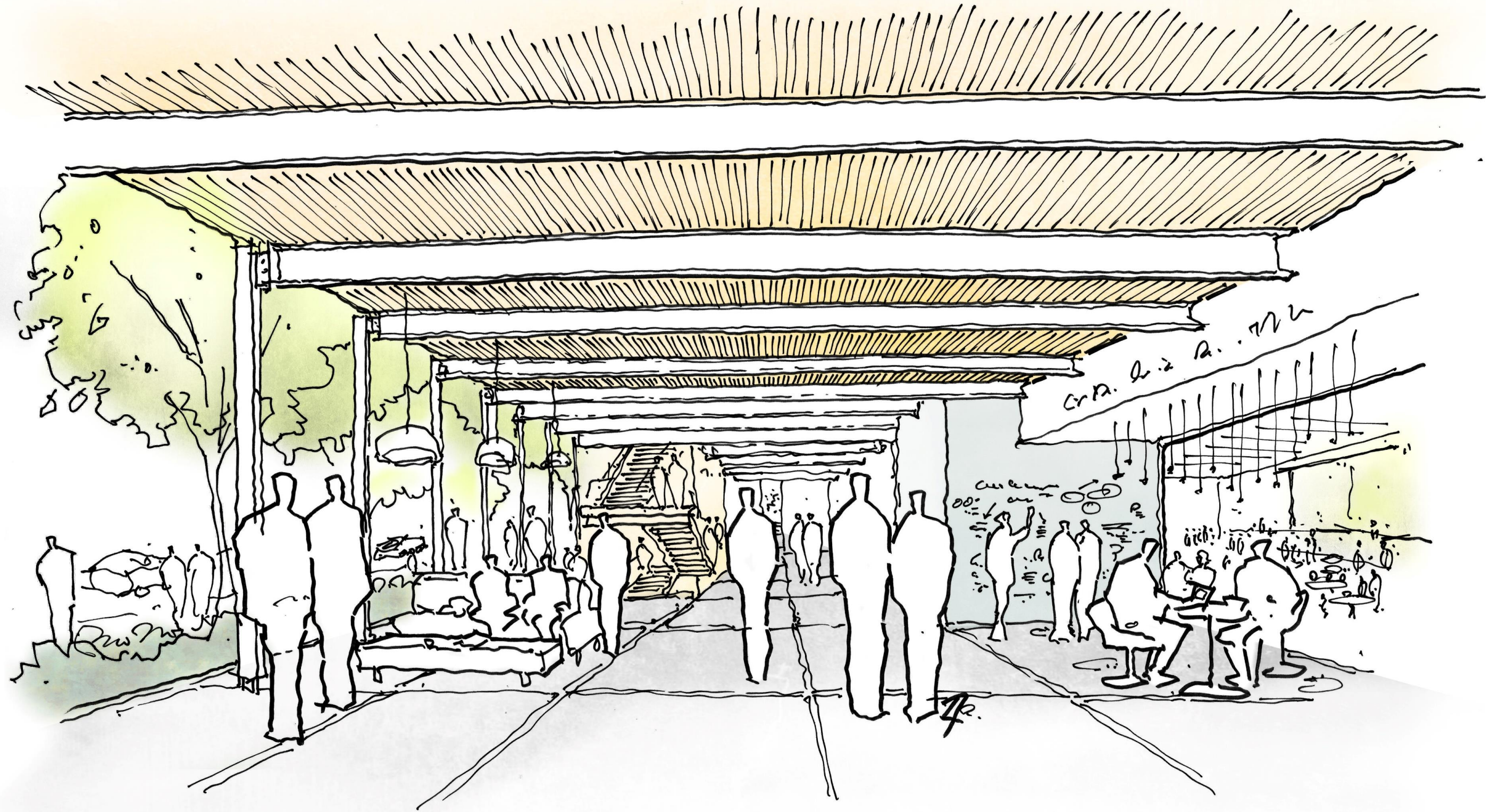
Hitchcock Bridge



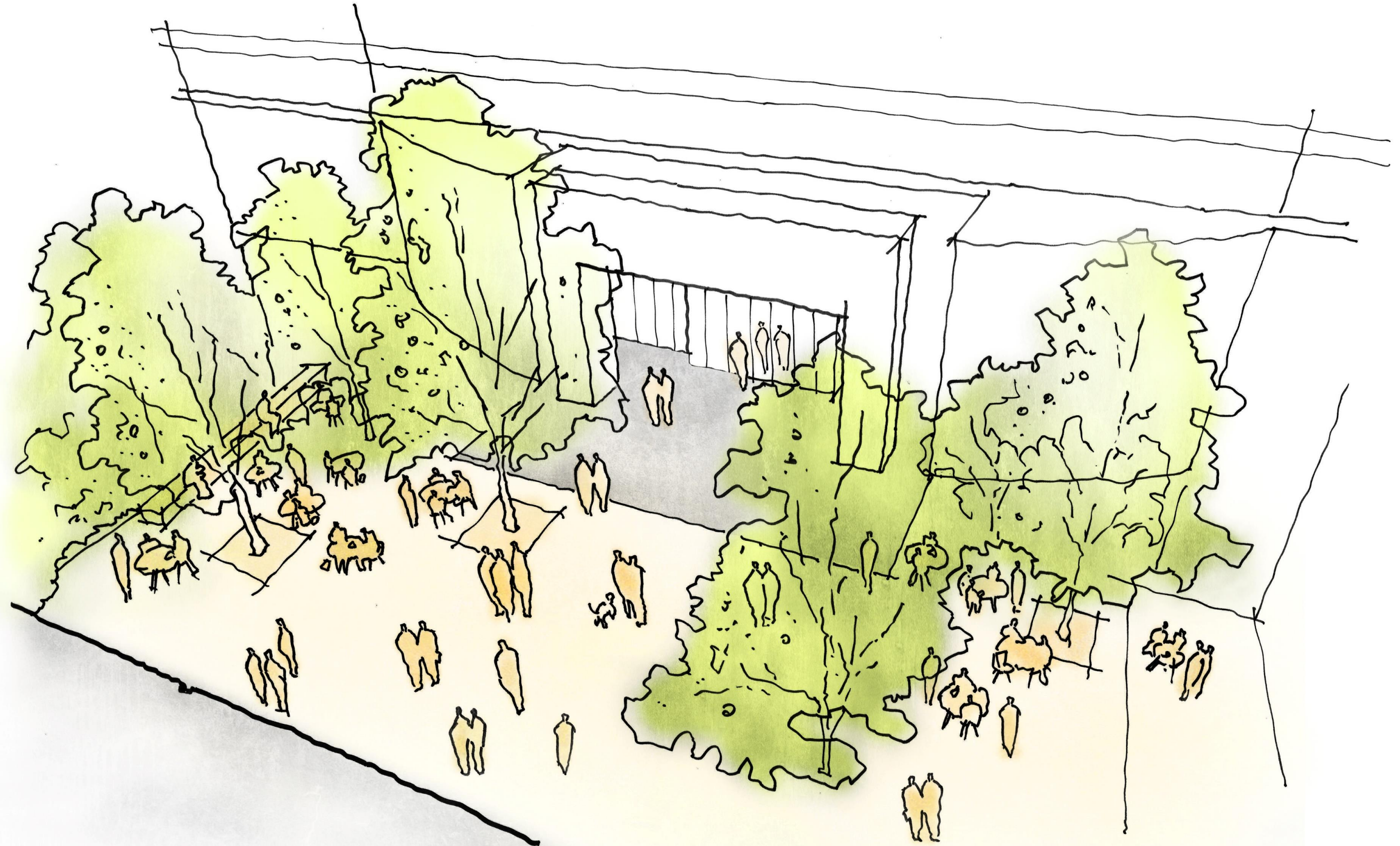
Crosswalk + Landing Pad



In the Active Edge



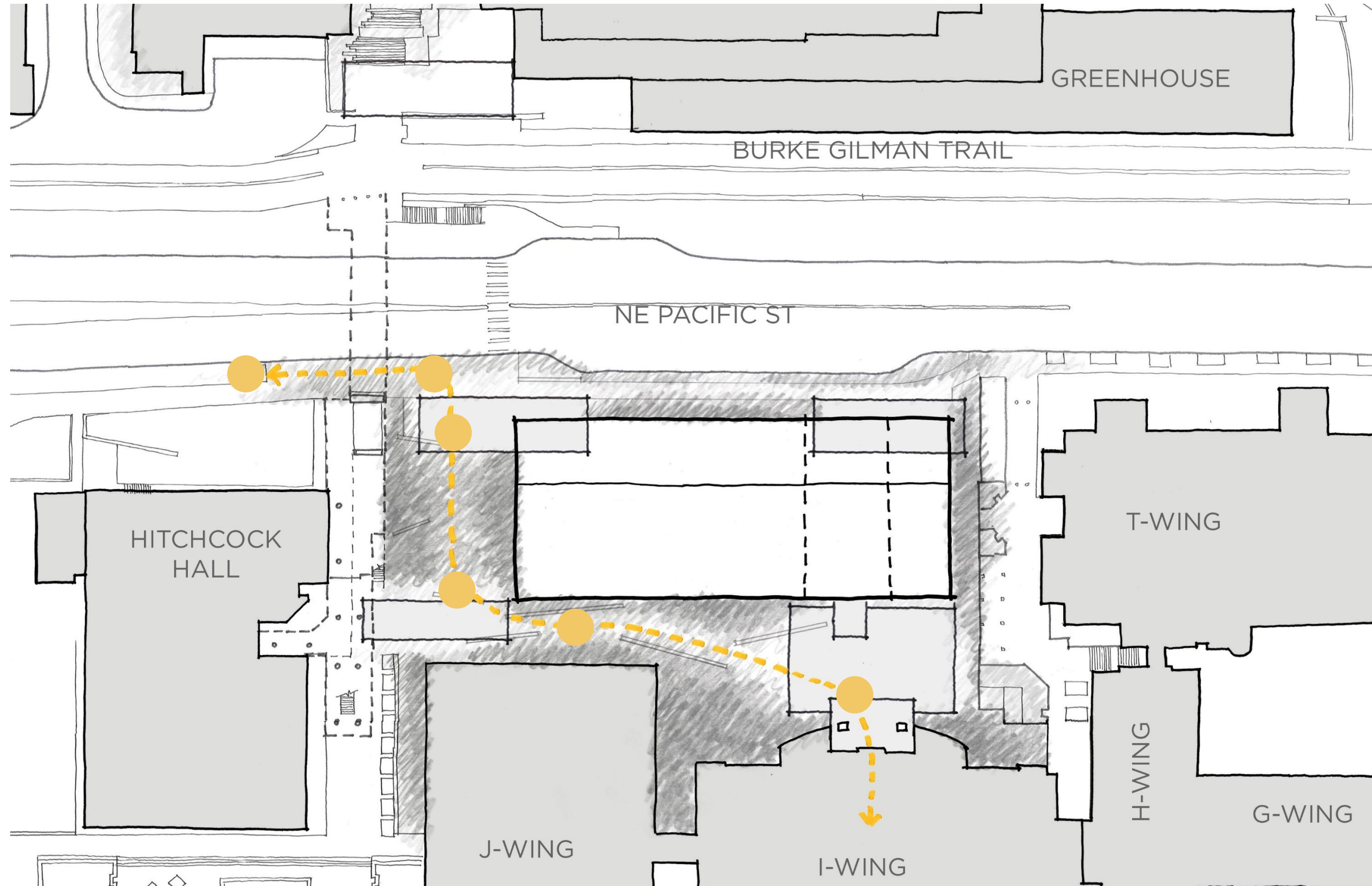
View from the 'Heart'





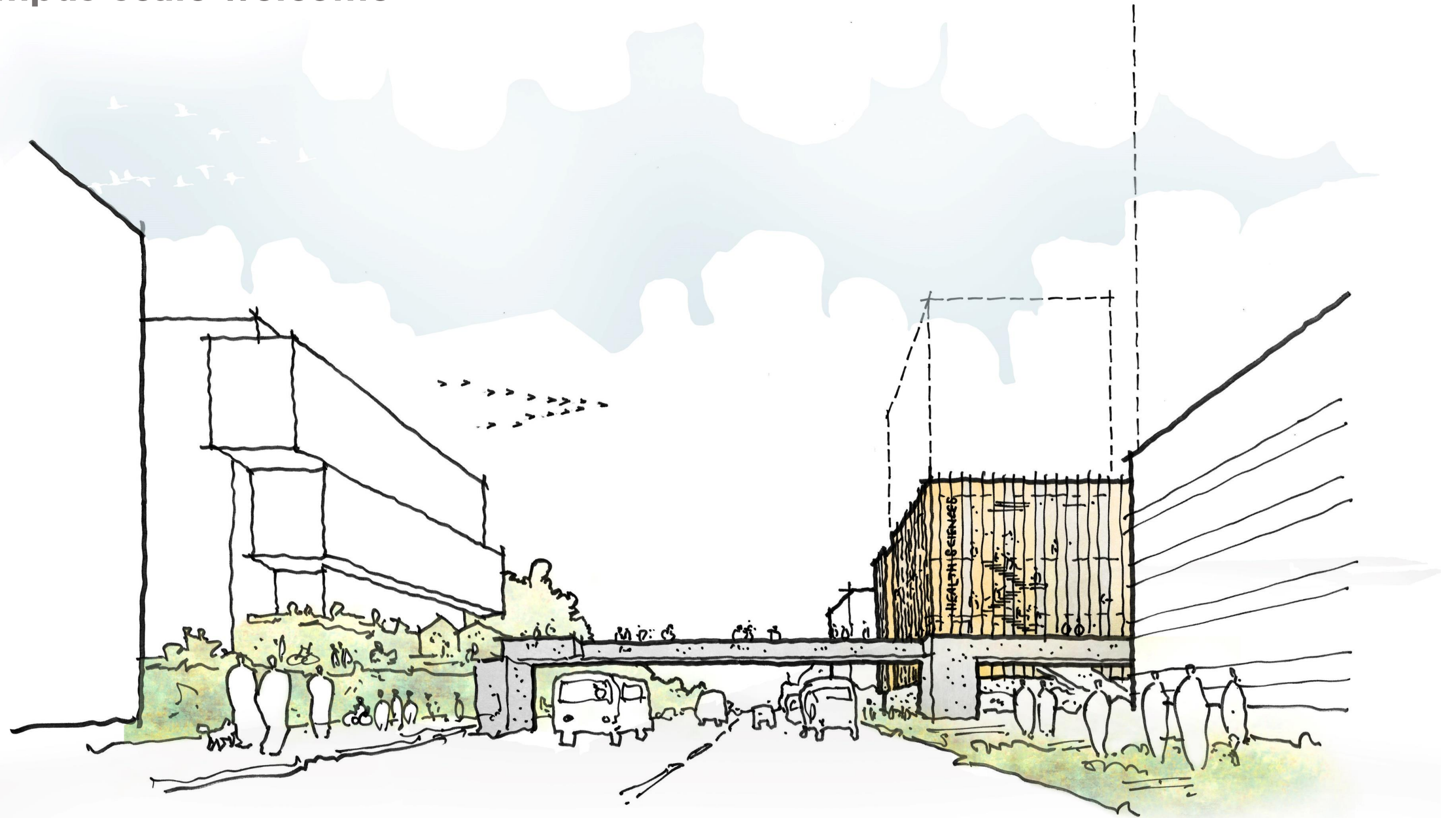
Researcher or prospective student

Bus stop or garage to South Campus Center.



NORTH

Campus-scale welcome



Pedestrian Scale Welcome



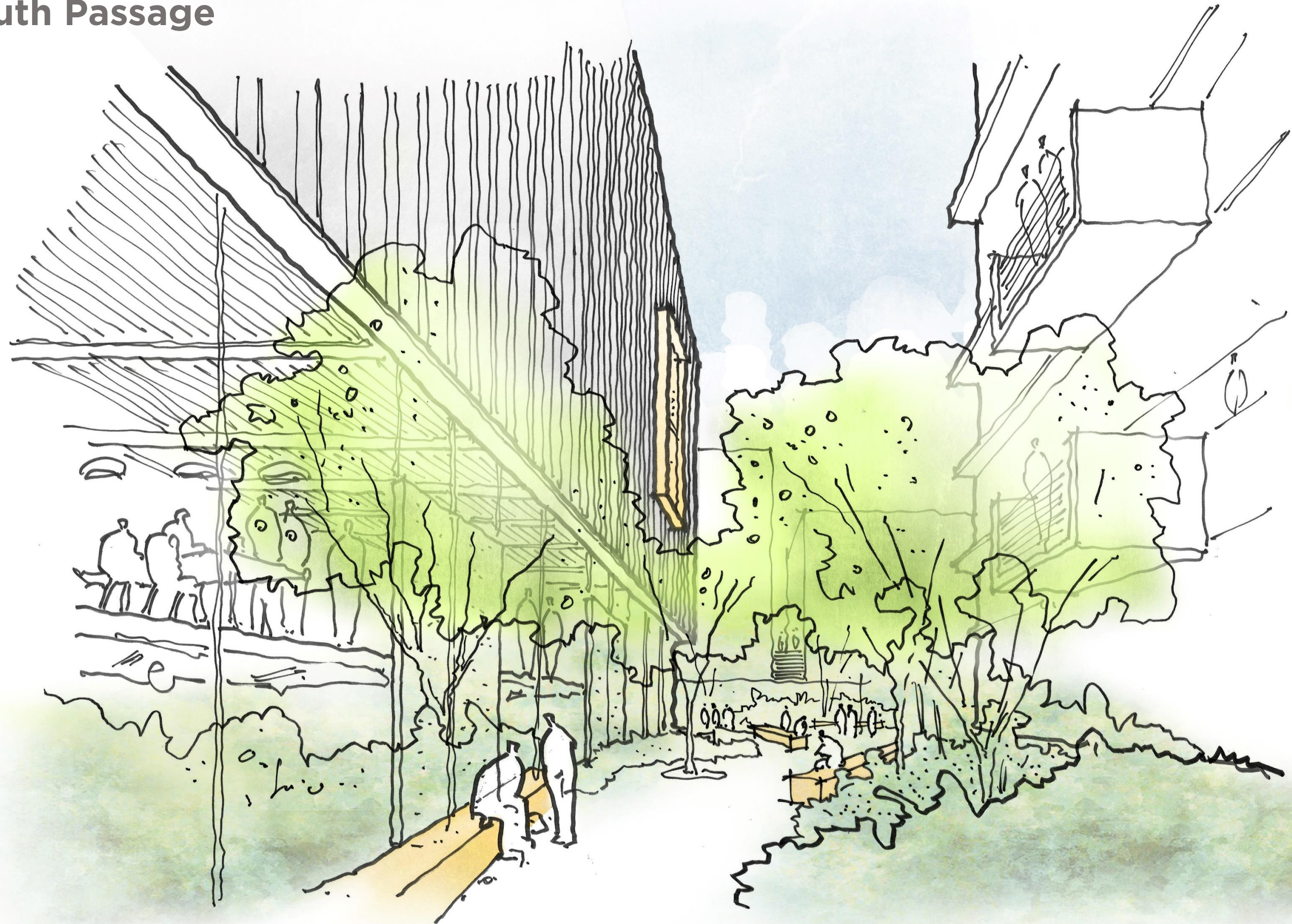
Slope Transition



Slope Transition



South Passage



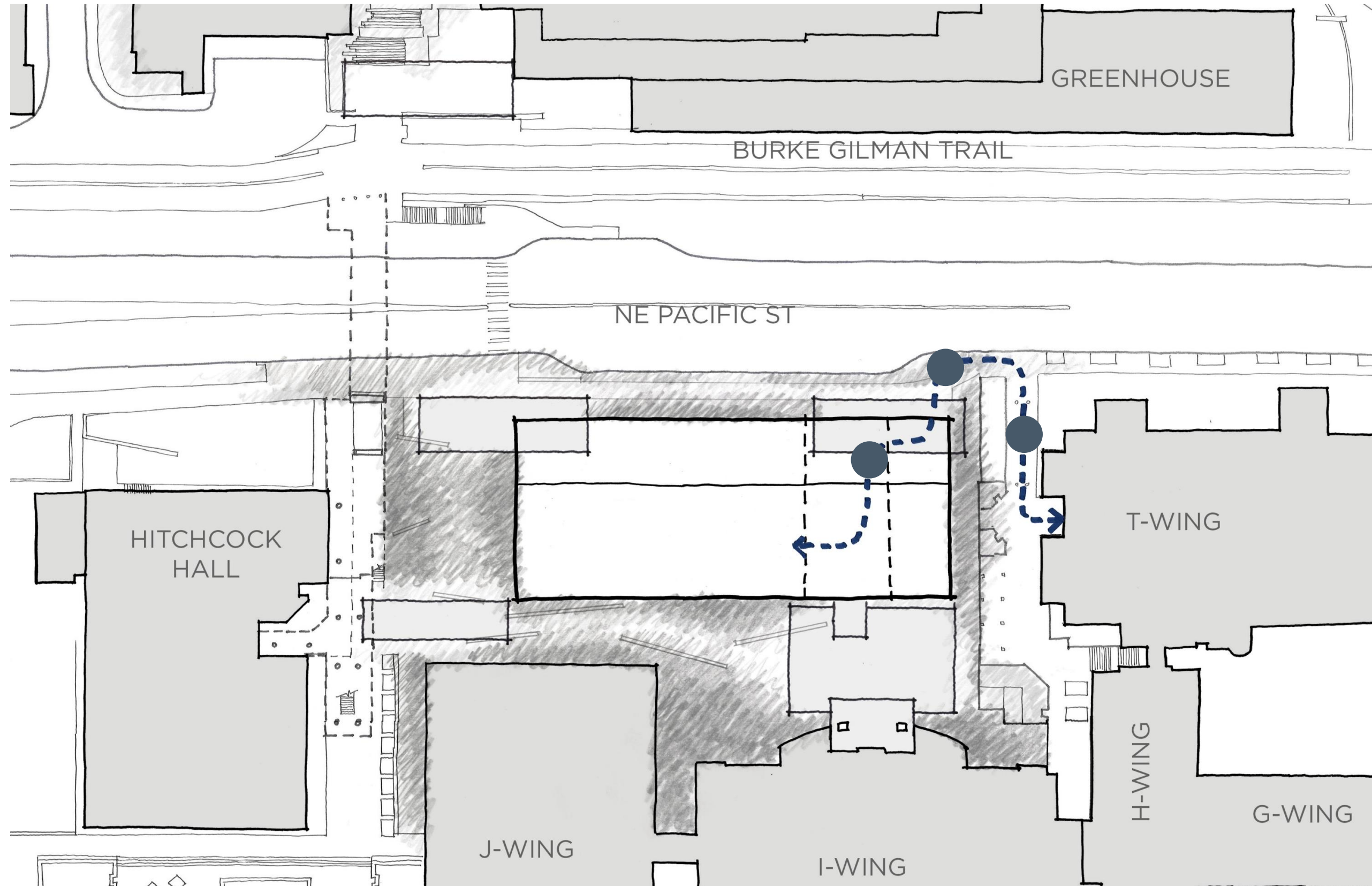
South Room



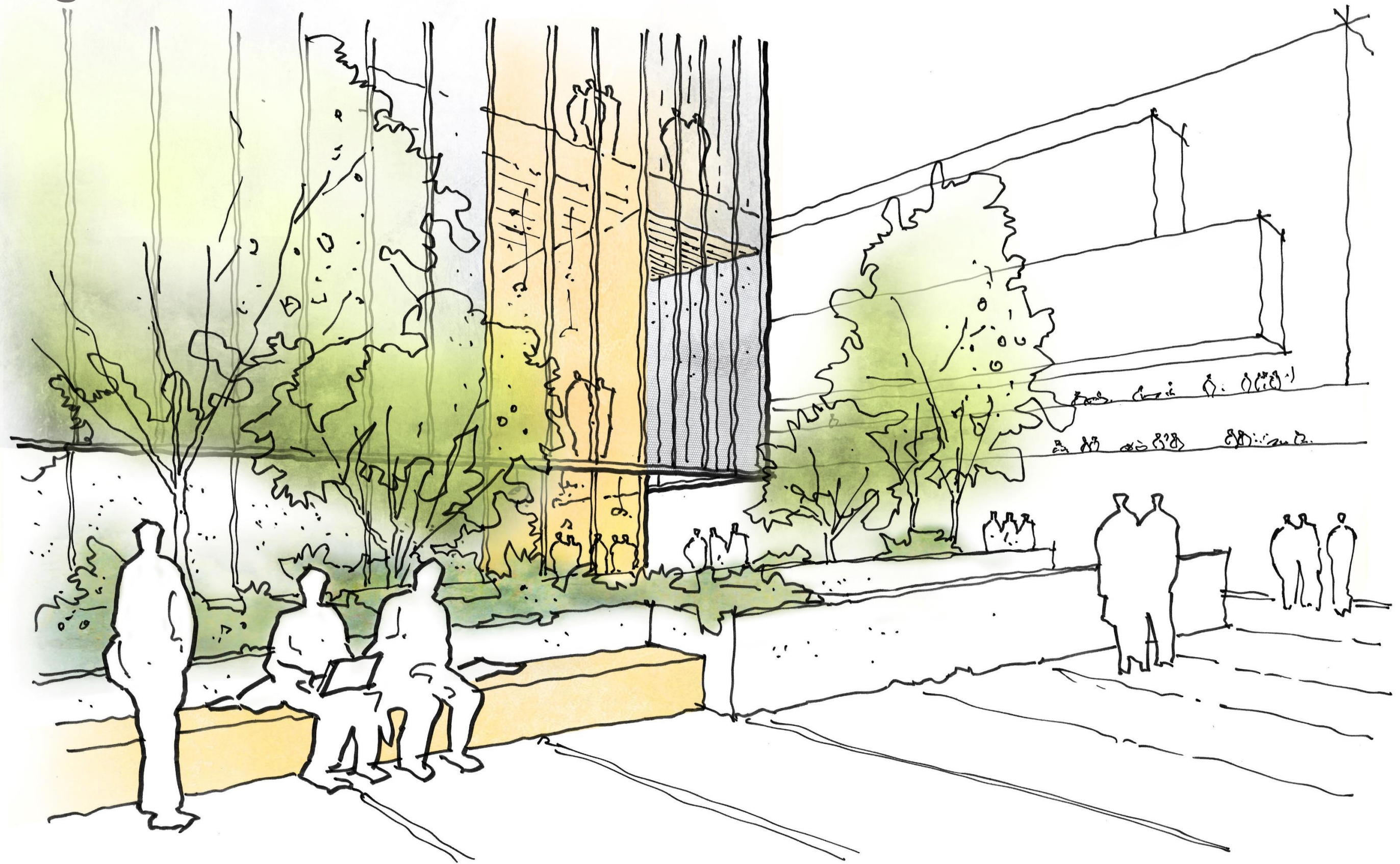


Faculty instructor or student

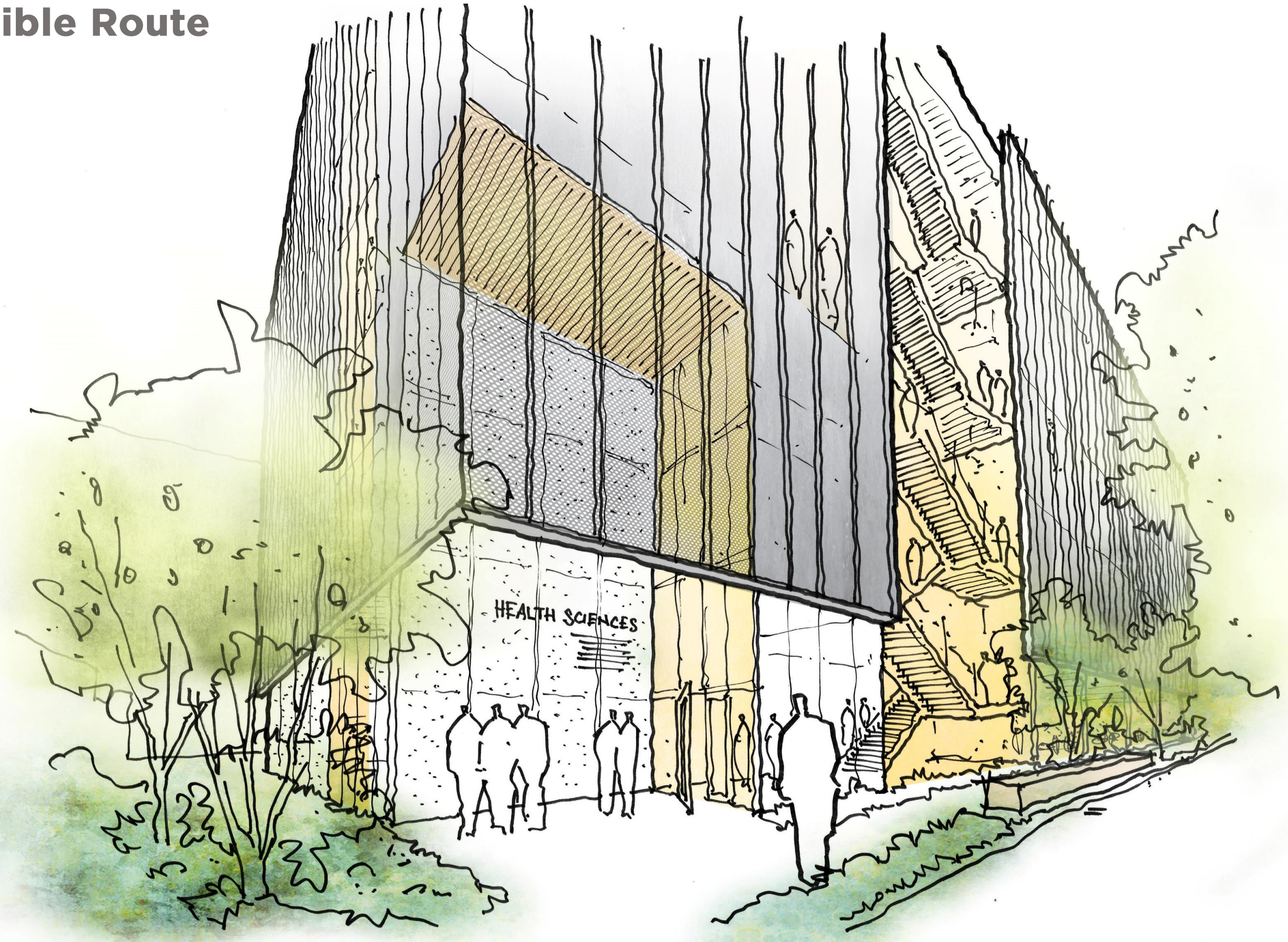
Going to classes in HSEB from T-Wing



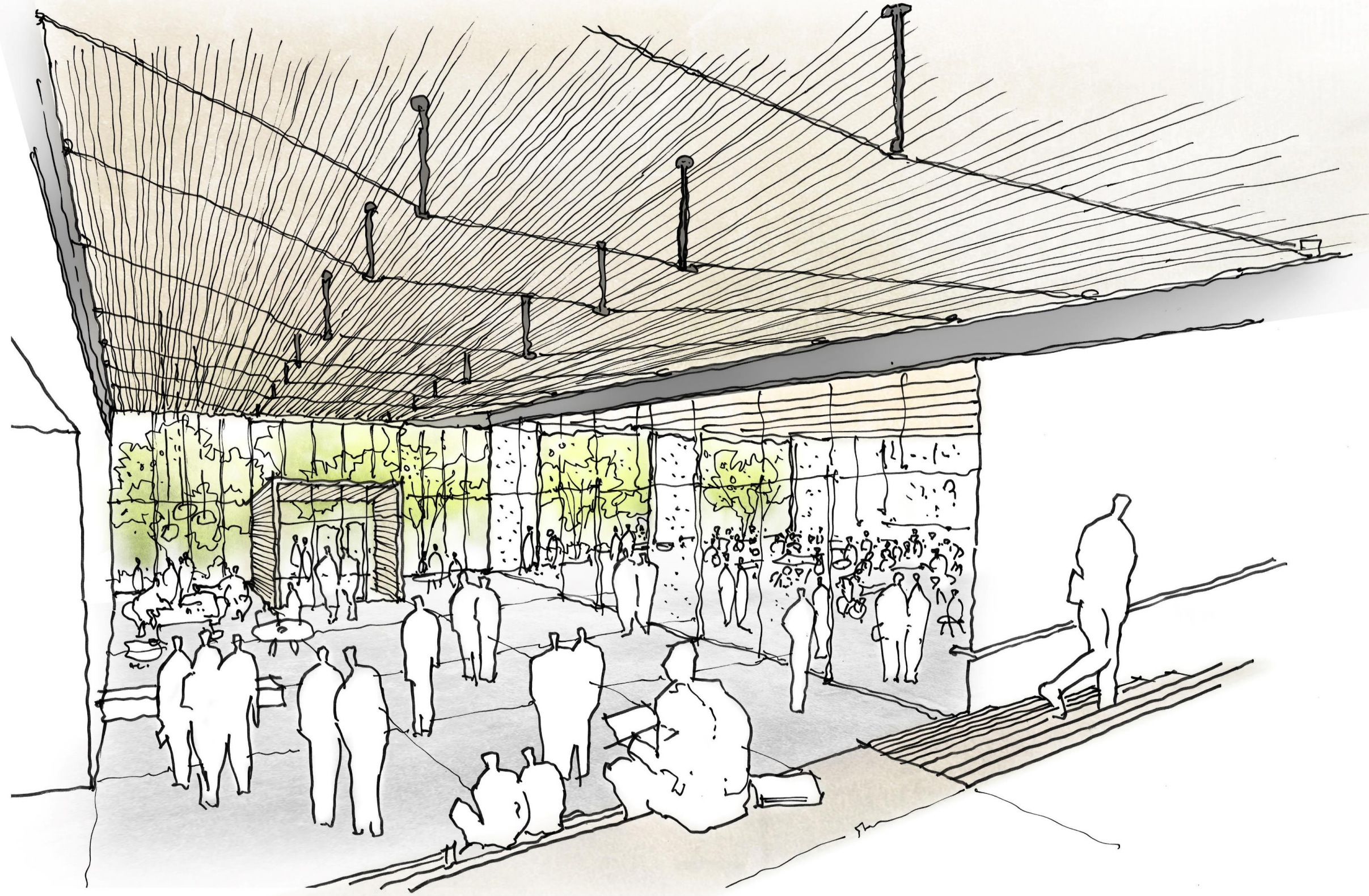
T-Wing Door



Accessible Route



Collaboration Lobby



South Campus Design Principles

- Signal a new vision
- Foster the spirit of a dense active village
- Convey the buzz of research and teaching
- Enhance the physical and perceived connections
- Invite people to experience the waterfront
- Support healthy living
- Set an example for sustainable campuses



What we think we've conveyed:

- **The outdoor spaces support an “active village”**
- **The project creates a welcoming entry to South Campus**
- **The building is a simple form, experientially rich**
- **The program is organized to create site relationships horizontally and unique environments vertically**
- **The concept design reflects the south campus master plan and design principles**

Next Session October 28

exterior envelope expression

- materiality
- mockups?

character of program spaces

- look + feel

landscape experience

- topography
- landscape materiality
- plant systems/character/performance