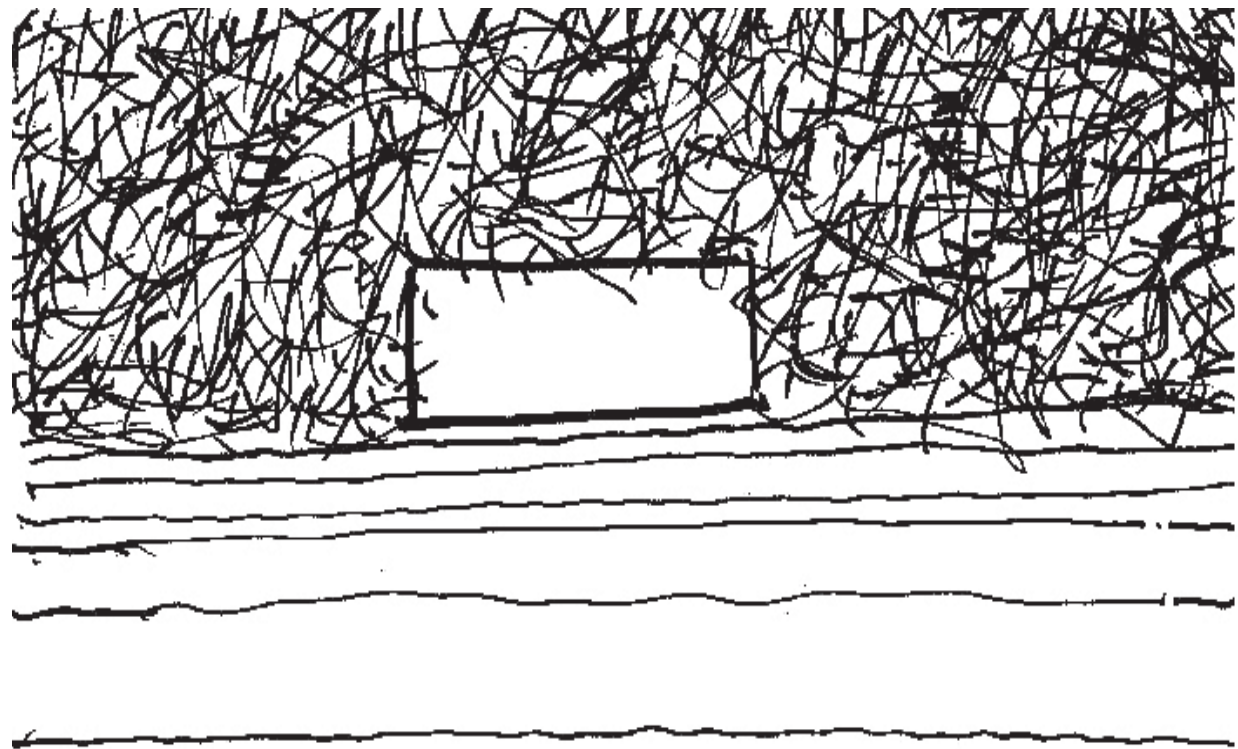
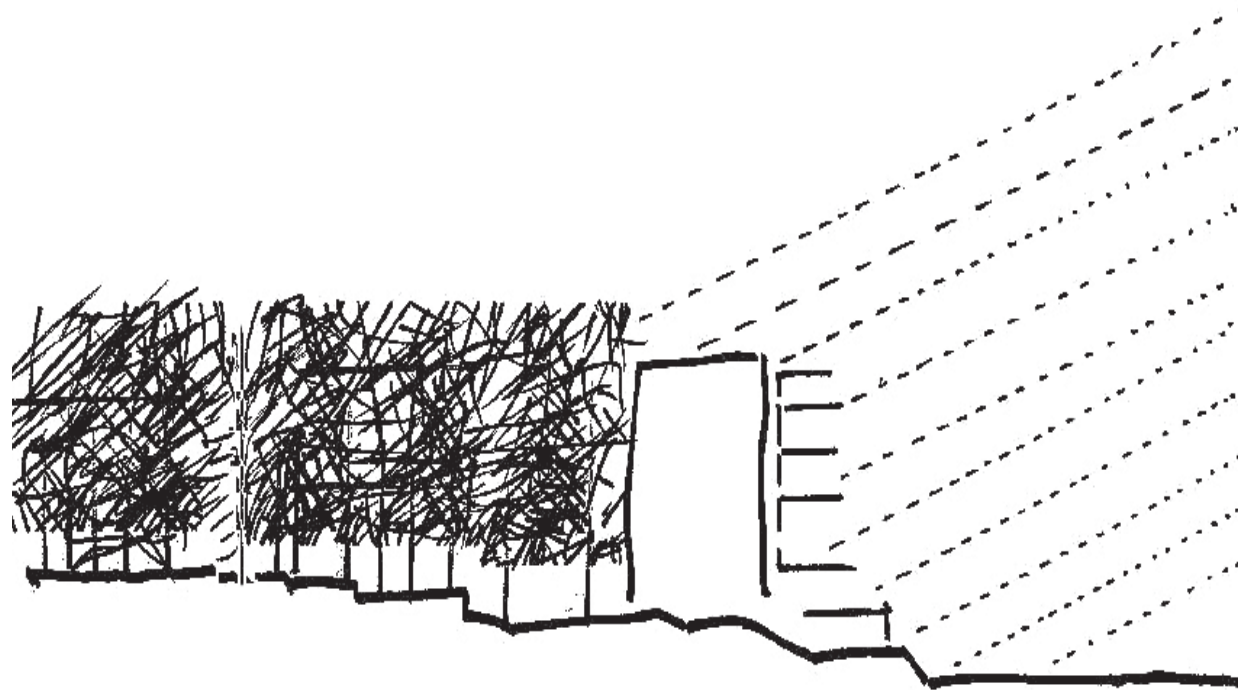


UNIVERSITY OF WASHINGTON LIFE SCIENCES BUILDING

University of Washington Architectural Commission

03/30/2015

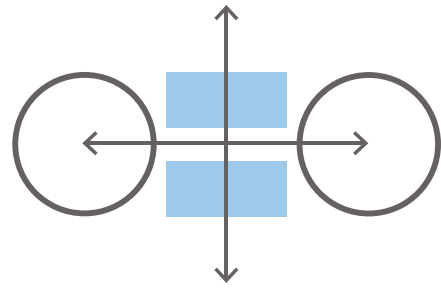


03.30.15 University of Washington Architectural Commission

1. Pre-Design Recap
2. Design Program Narrative
3. Massing & Facade Studies
4. Landscape Studies

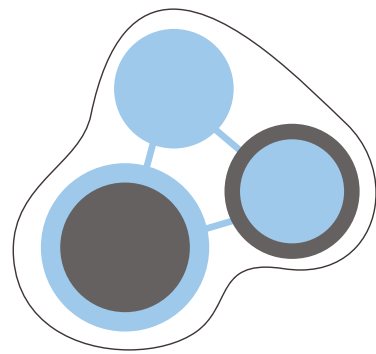
1. PRE-DESIGN RECAP





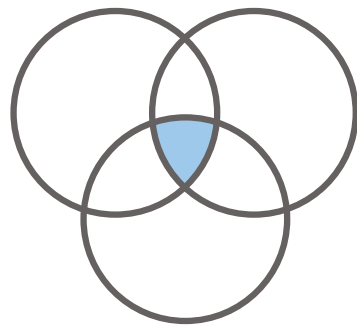
SCIENCE IS A GATEWAY

- State of the Art functional science building
- Recruitment & retention for Department of Biology
- Education and Research facility



CONNECT

- Connections with the Life Sciences community
- Enhanced connectivity to campus and Preservation of site
- Contribution & completion to the campus master plan

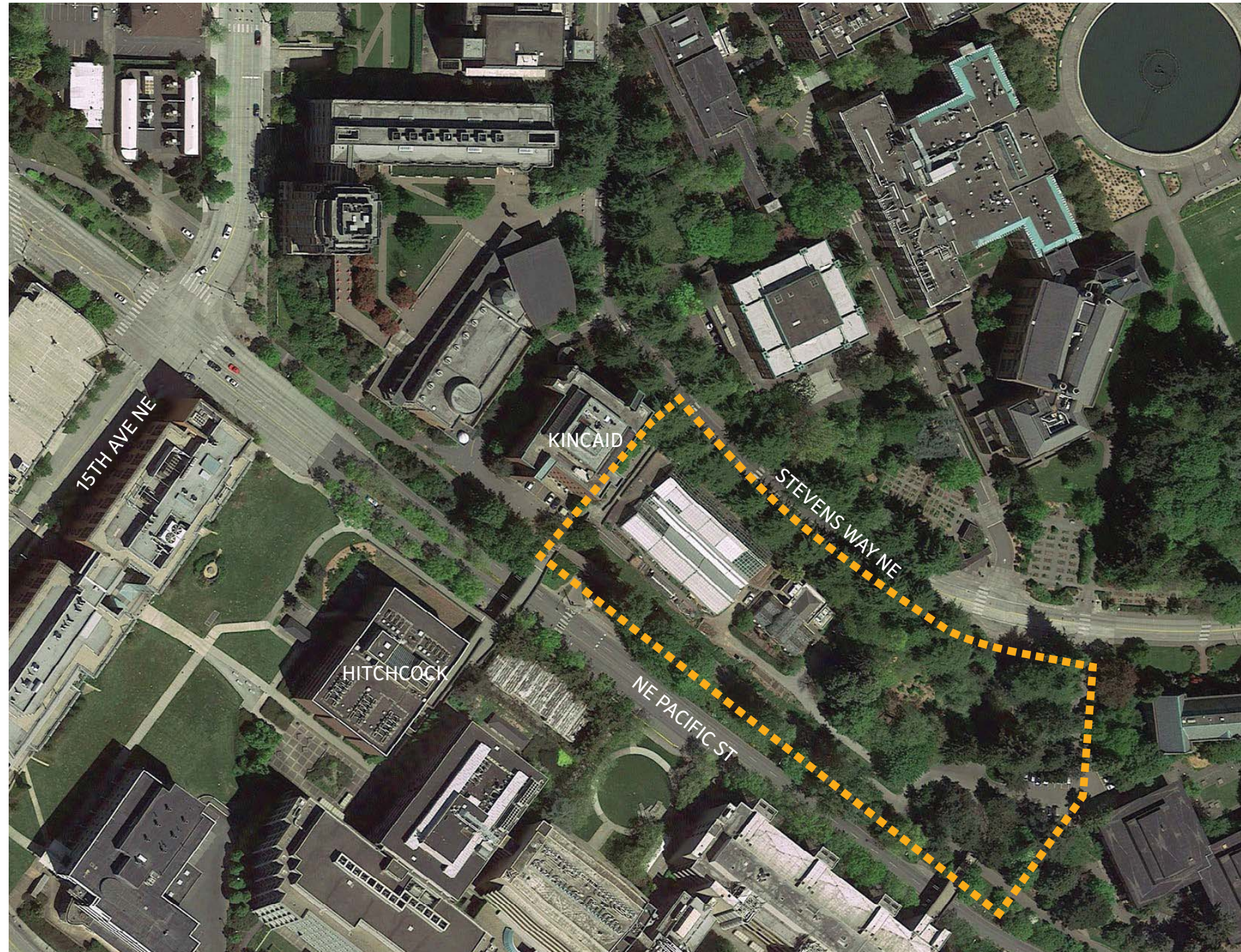


ENGAGE

- Open & collaborative labs for students and faculty
- Open & welcoming public space
- Memorable building and landscape that leads into the future

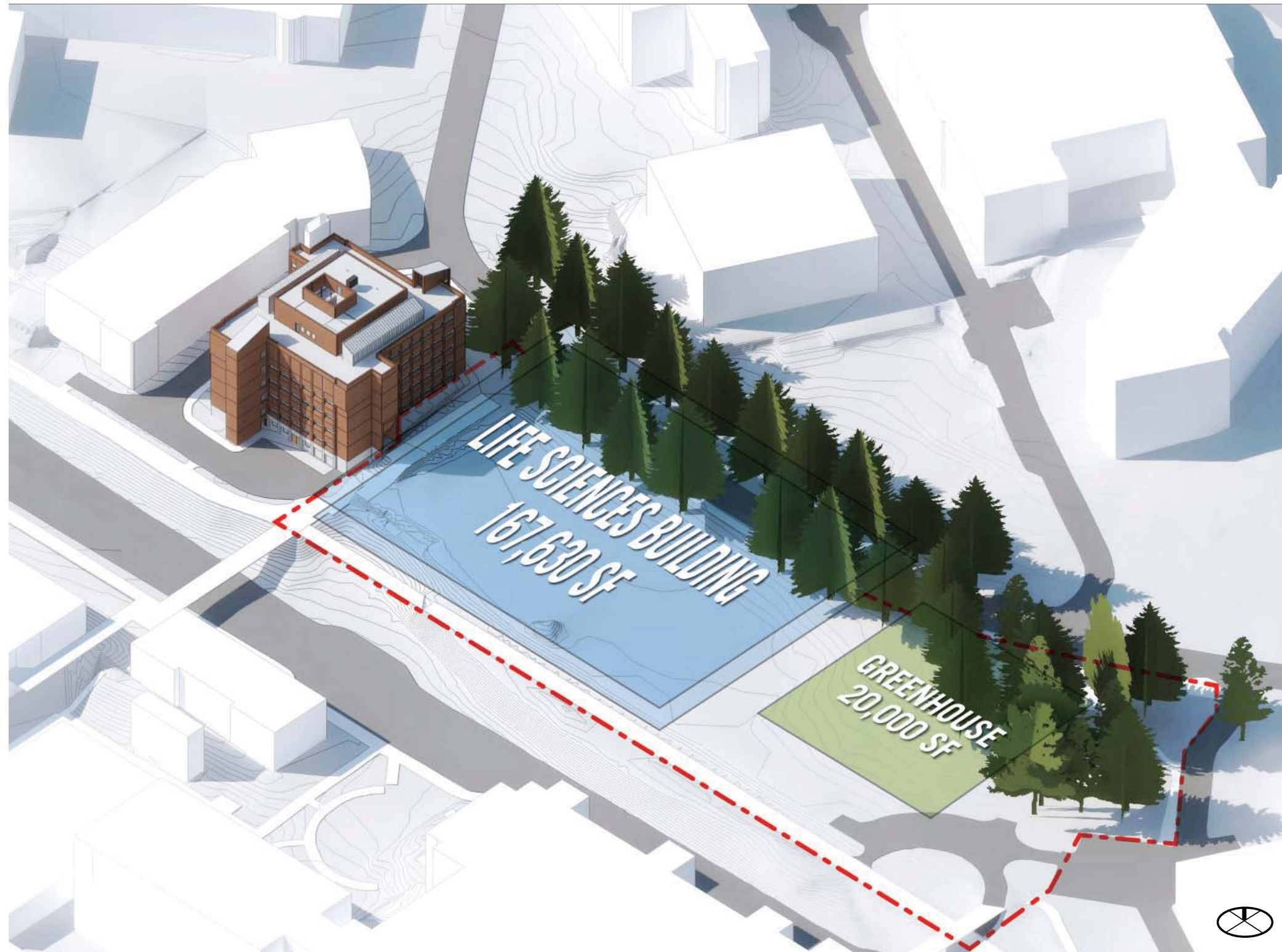
PROJECT DELIVERY

- LEED Gold minimum and 2030 Energy Challenge
- Integrative project management to meet design and program objectives



SITE ANALYSIS

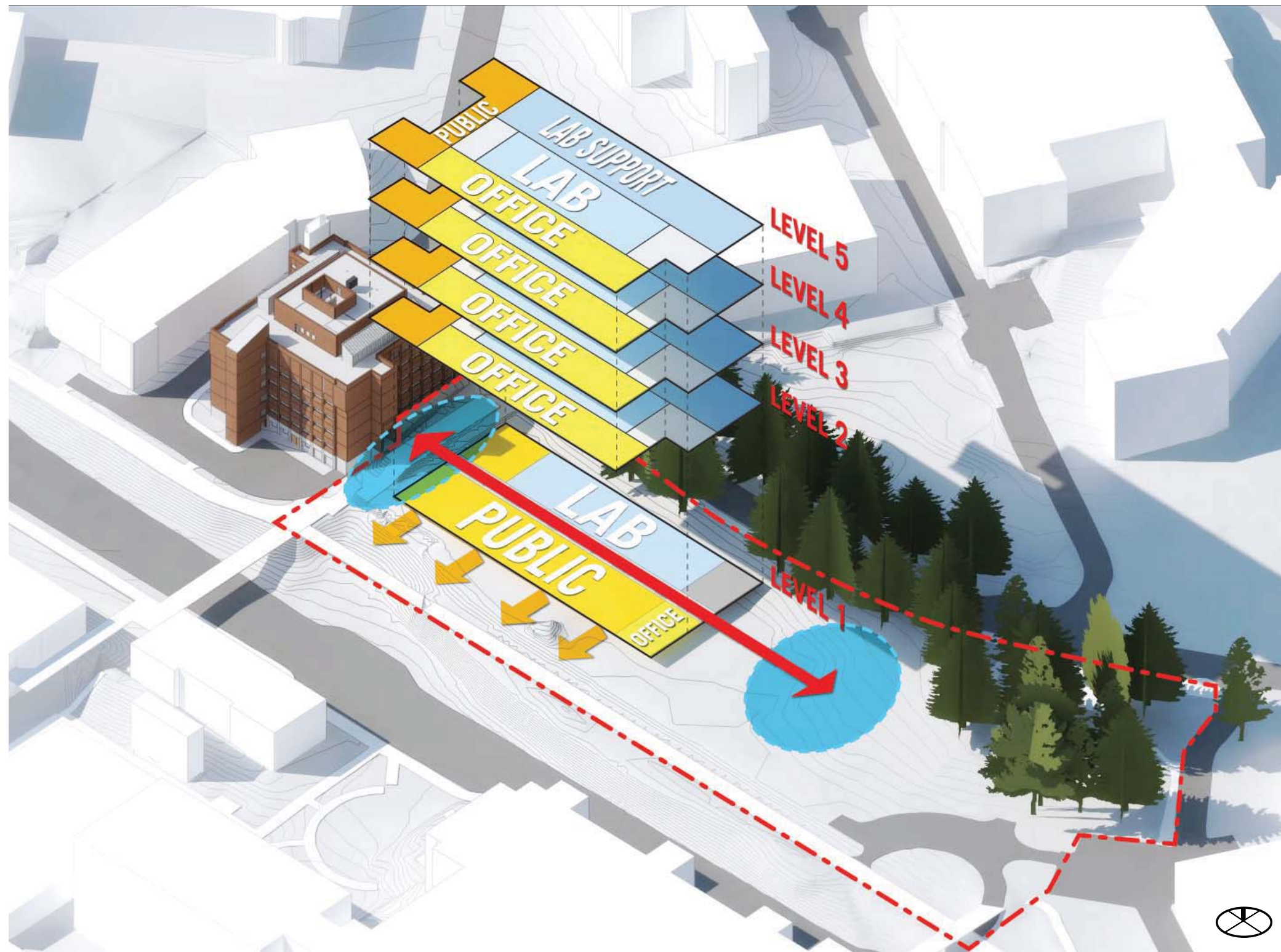
LSB PROGRAMMING NEEDS



- Greenhouse Program
- Life Science Building Program

PROGRAMMING & MASSING

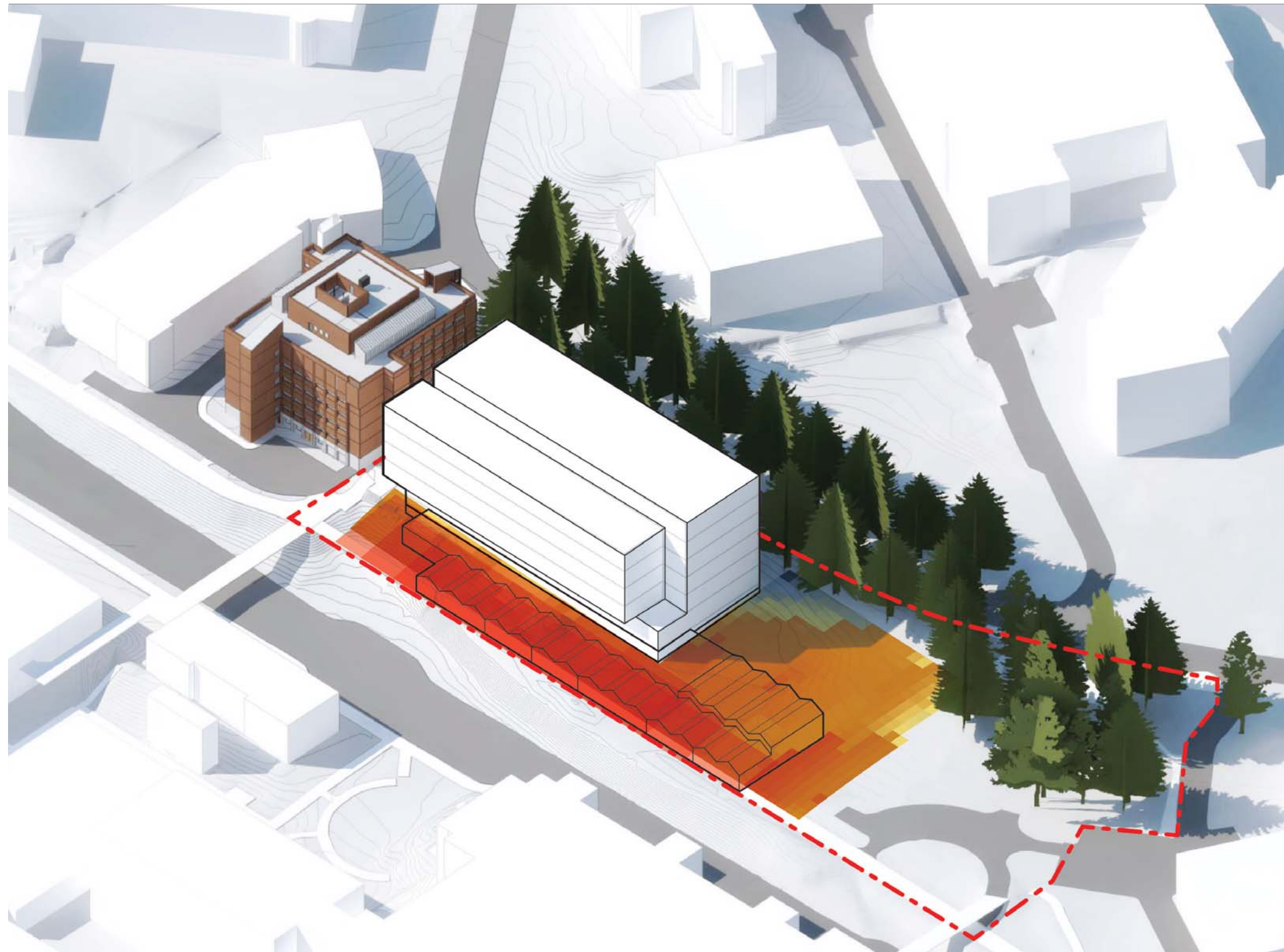
LSB PROGRAM ADJACENCY



- Lab
- Lab Support
- Office
- Public
- Building Support
- Gathering Zone

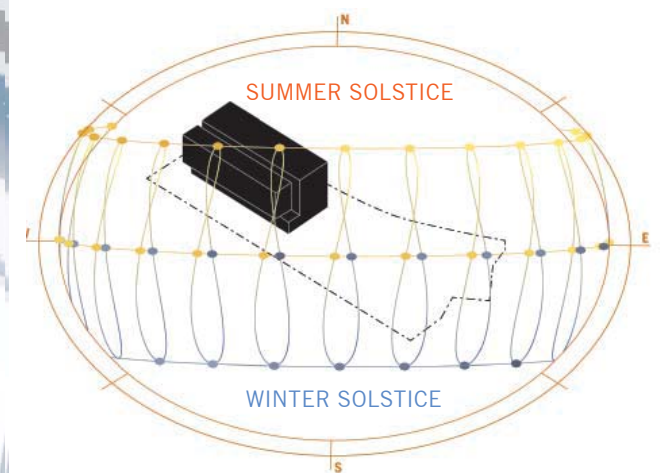
PROGRAMMING & MASSING

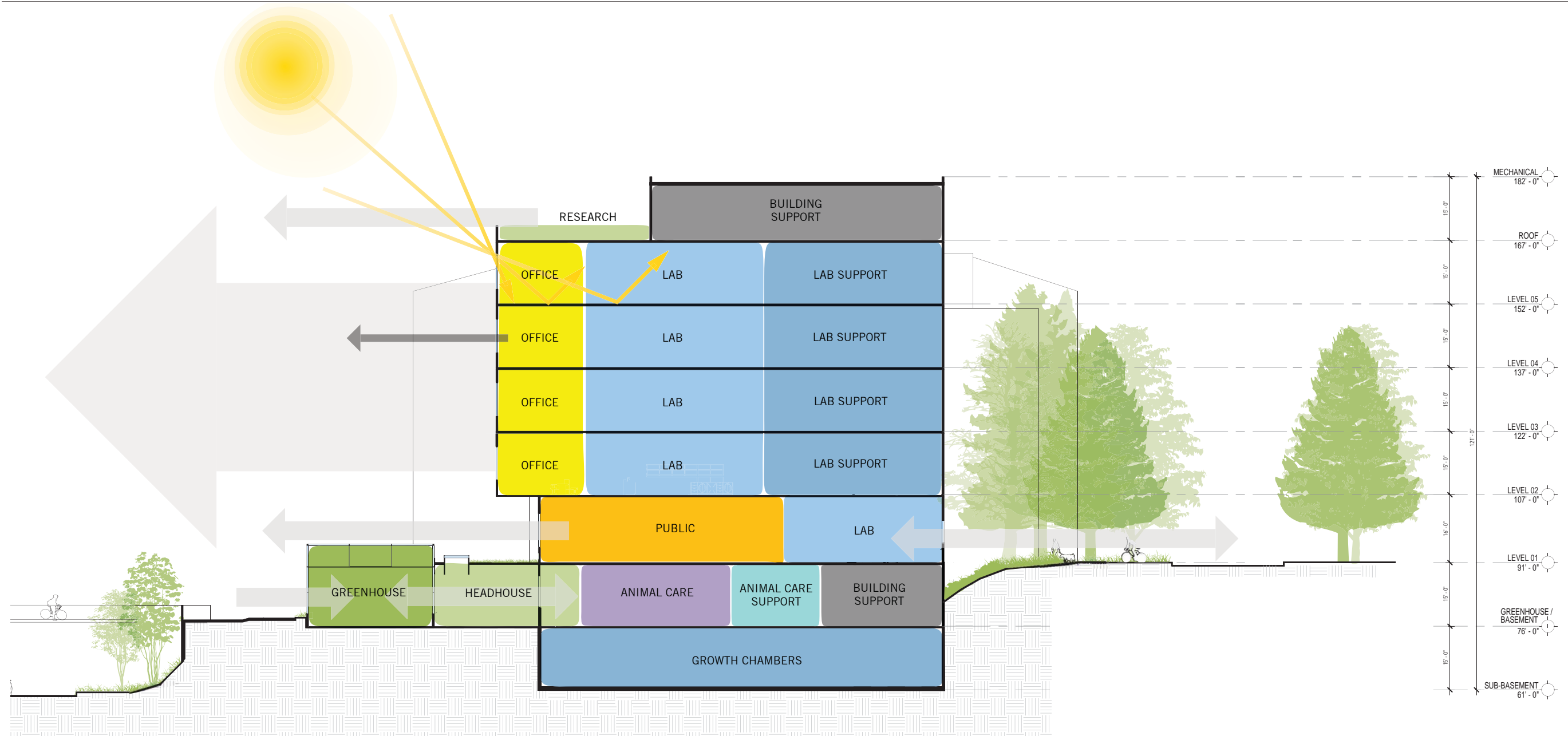
SOLAR ANALYSIS



■ Solar Exposure

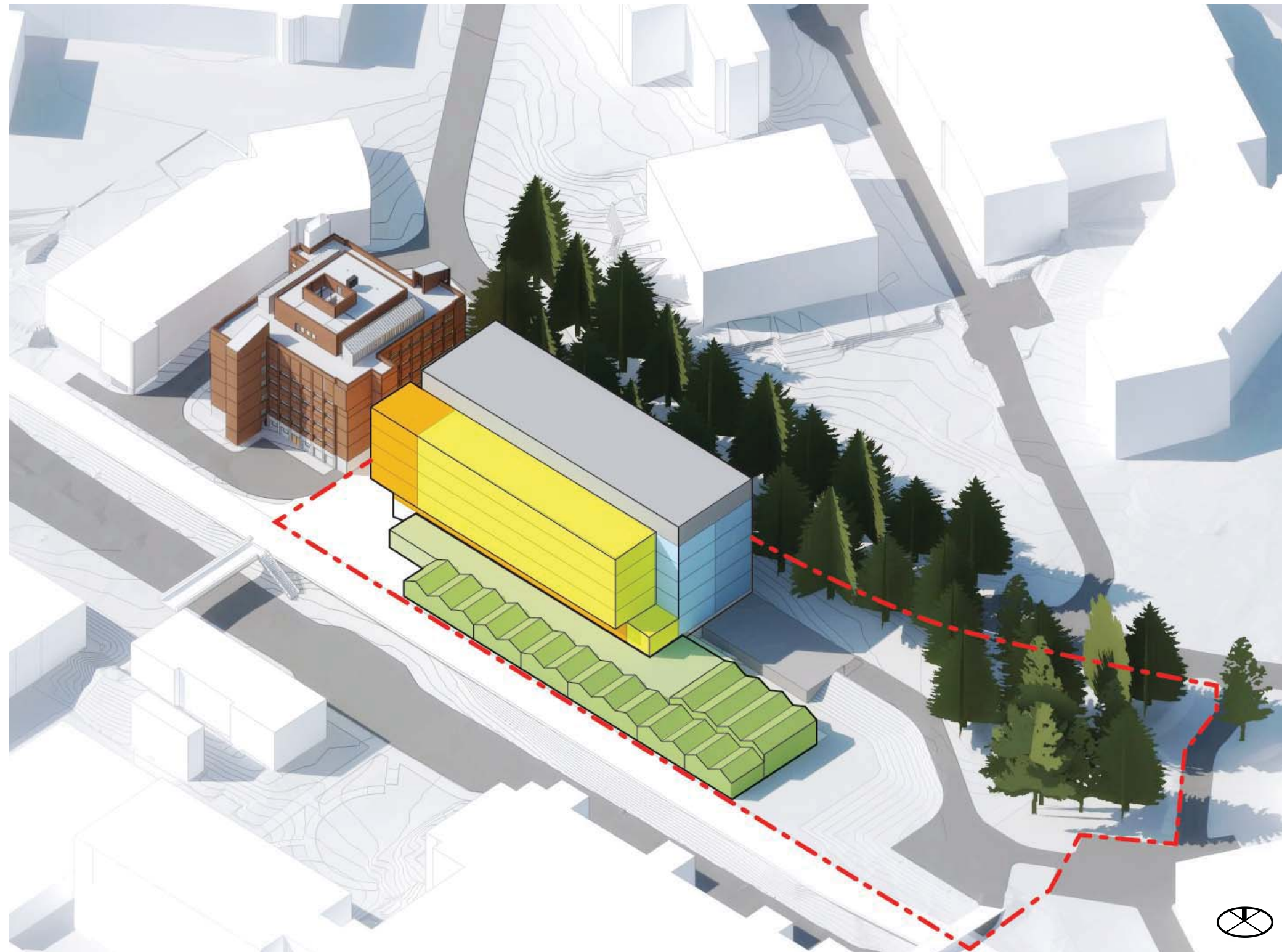
Sun Path Diagram



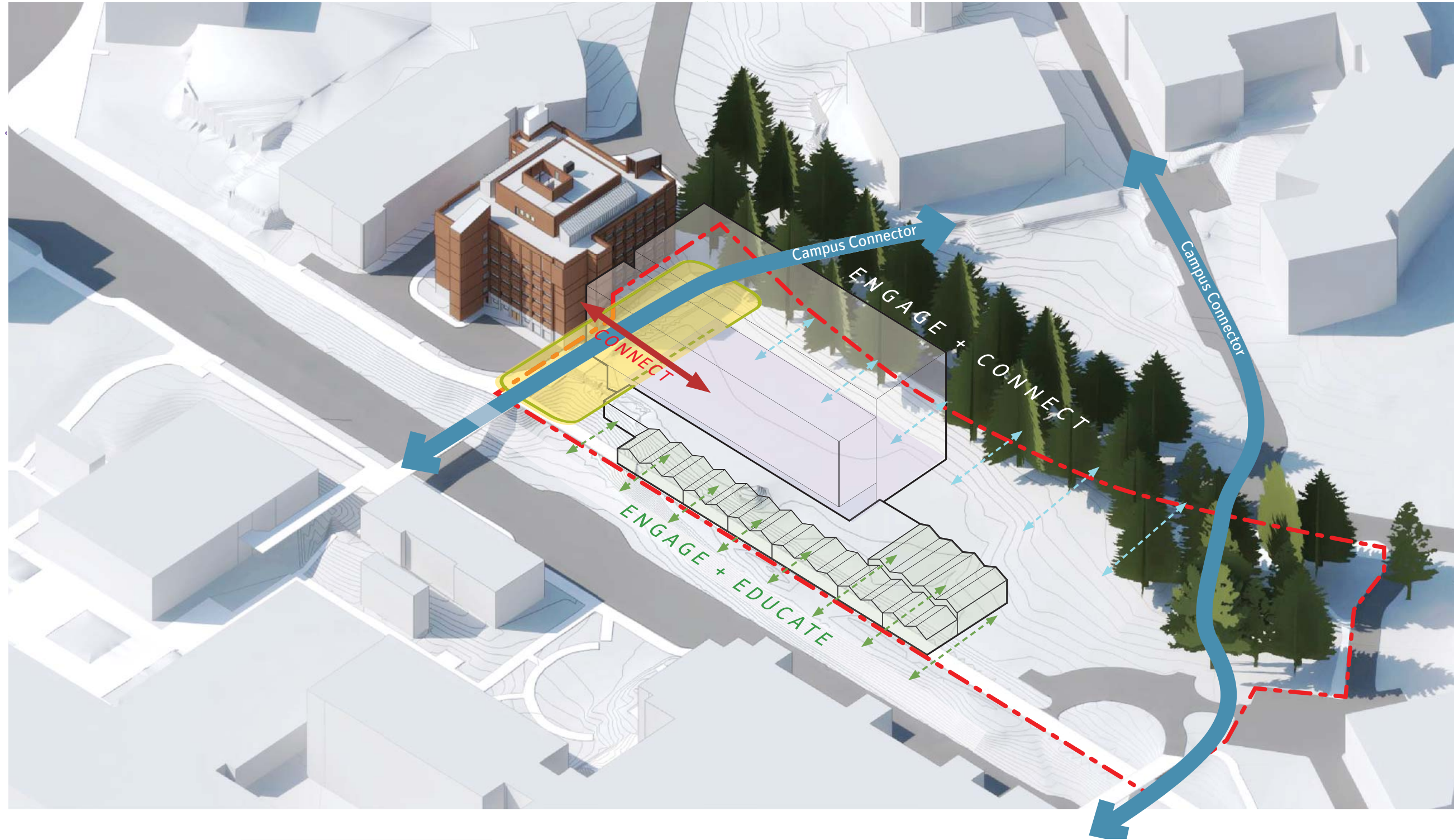


PROGRAMMING & MASSING

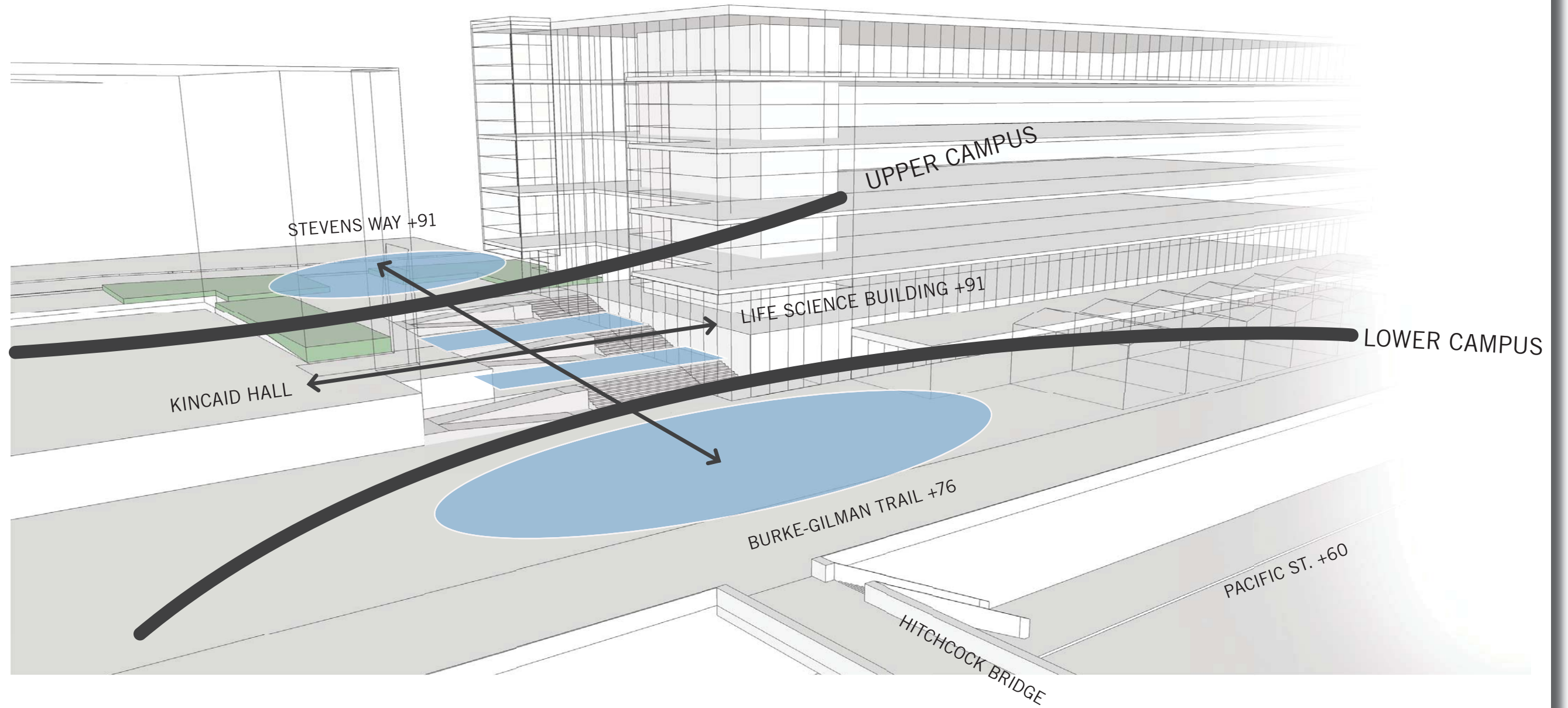
PRE-DESIGN MASSING






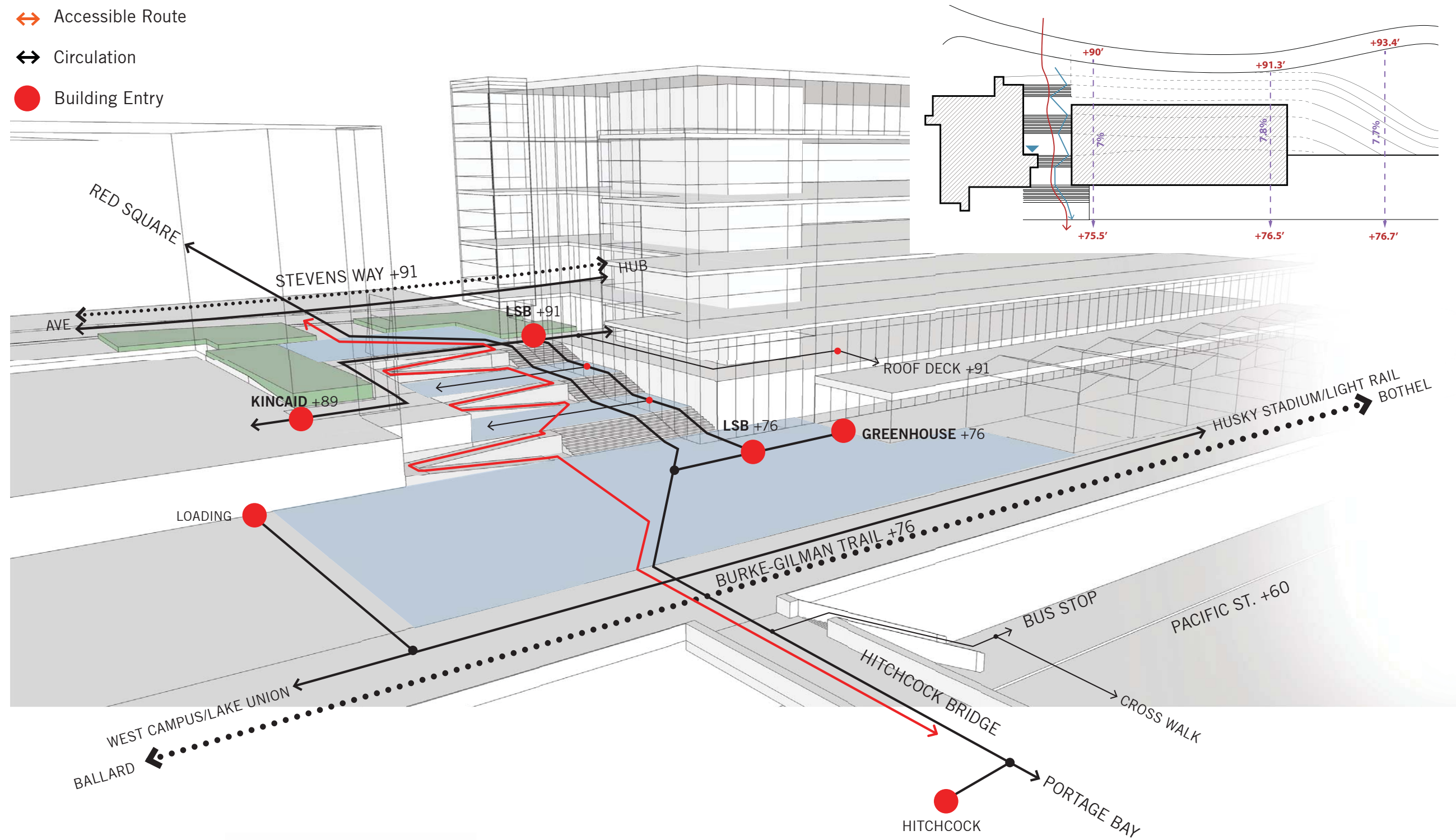
- Lab
- Office
- Public
- Service
- Headhouse
- Greenhouse



● Gateway gathering zones

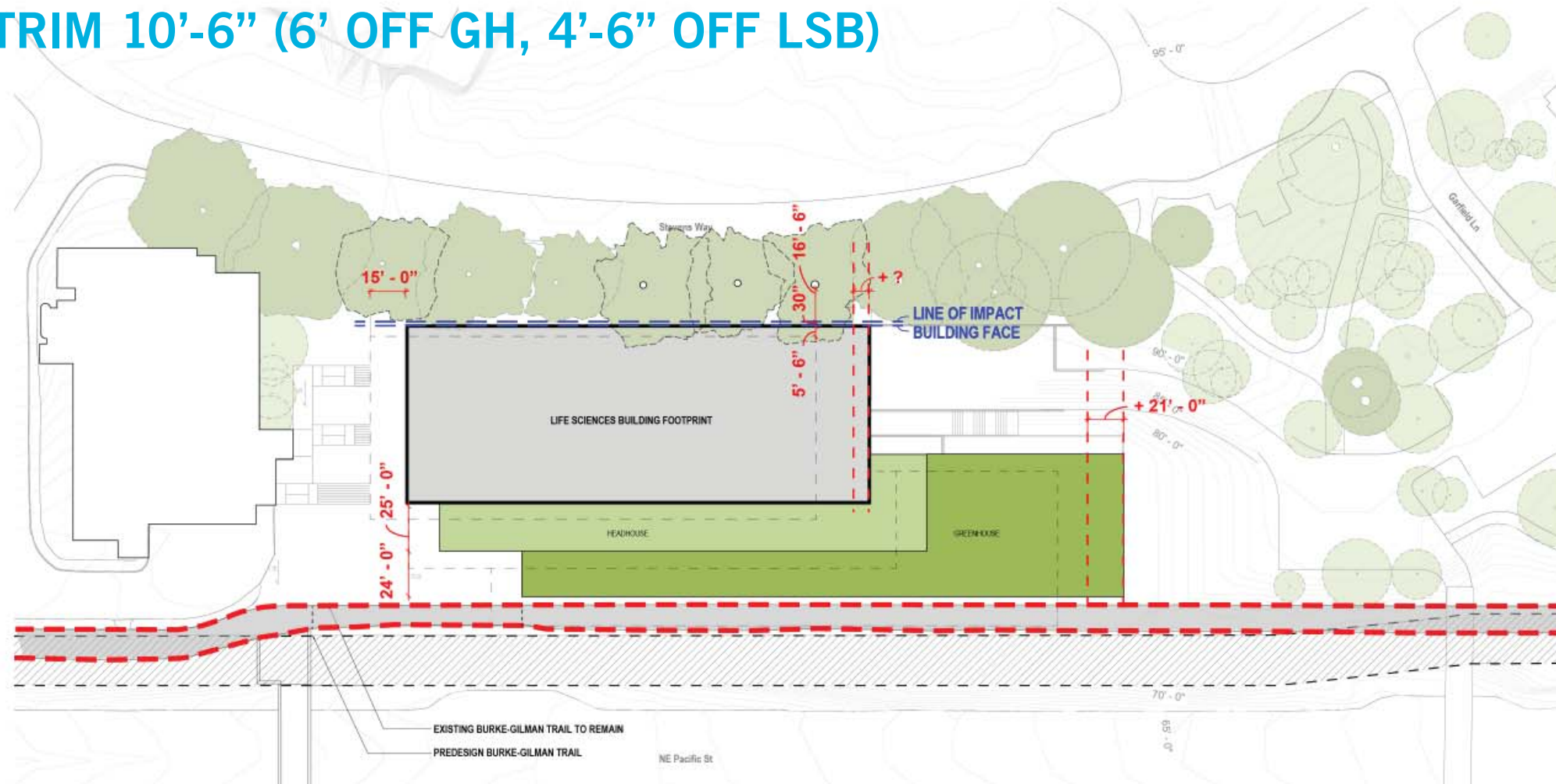


-  Accessible Route
-  Circulation
-  Building Entry



BUILDING FOOTPRINT STUDY

**SHIFT 5'-6" NORTH +
TRIM 10'-6" (6' OFF GH, 4'-6" OFF LSB)**



NOTES:

- 5' BUFFER ZONE BETWEEN GREENHOUSE AND BURKE-GILMAN TRAIL
- 21' MODULAR ADDITION TO EAST END OF GREENHOUSE; EAST EDGE ADDITION TO LSB TO BE CONFIRMED
- HEADHOUSE DIMENSIONS TO REMAIN

PERKINS+WILL

University of Washington Life Sciences Building | 7

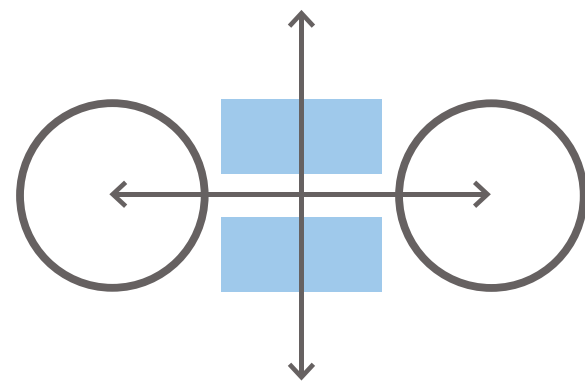
Changes since Pre-Design

- BGT alignment
- Greenhouse footprint
- Improved building efficiency
- No ADA ramp at porch
- Loading at Level B-1

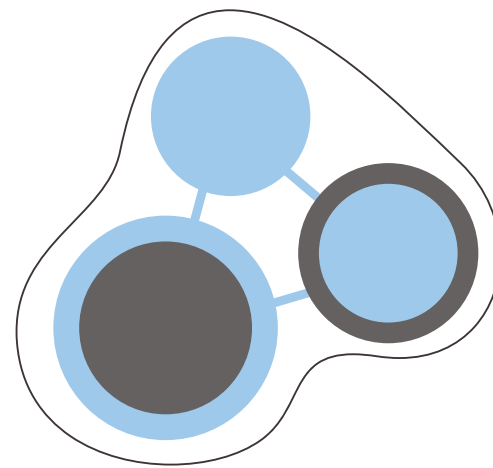
2. DESIGN PROGRAM NARRATIVE



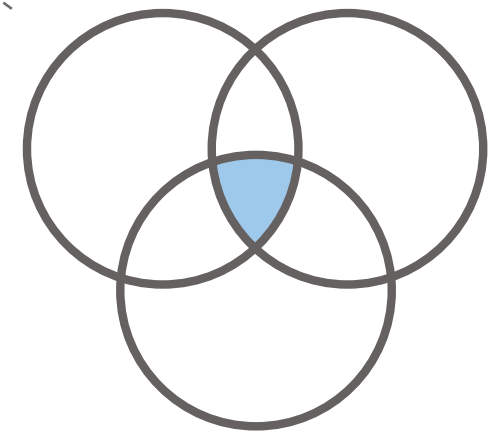
SOUTH ELEVATION



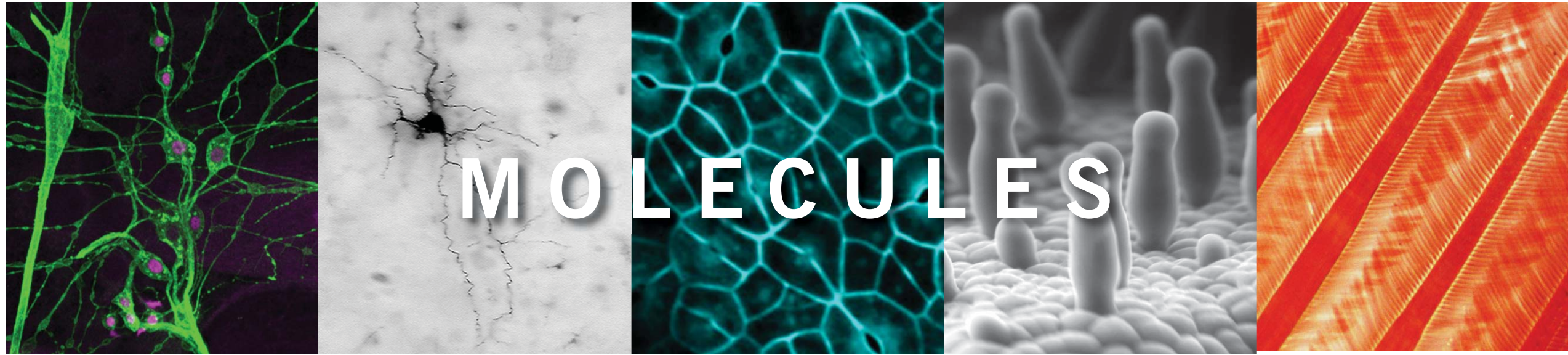
SCIENCE IS A GATEWAY



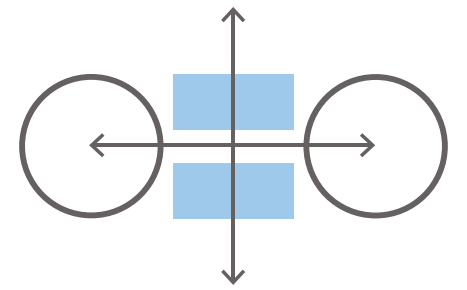
CONNECTIONS



ENGAGEMENTS



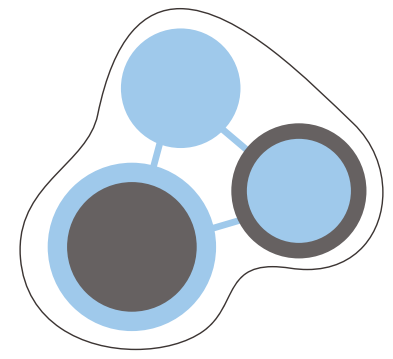
MOLECULES



SCIENCE IS A GATEWAY



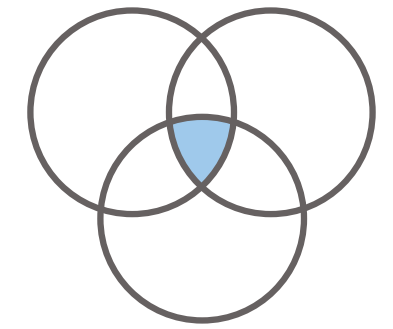
ORGANISMS



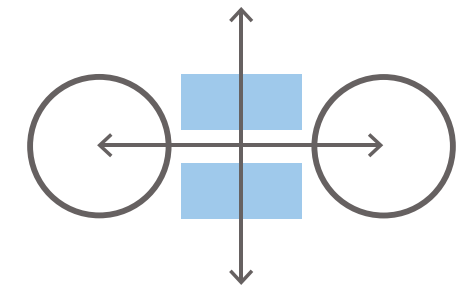
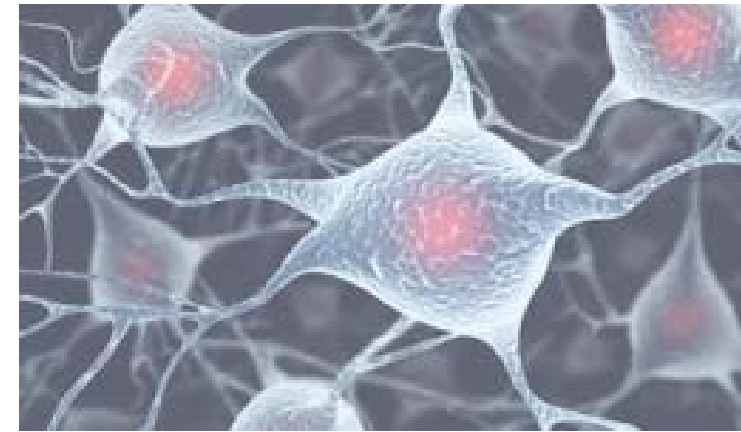
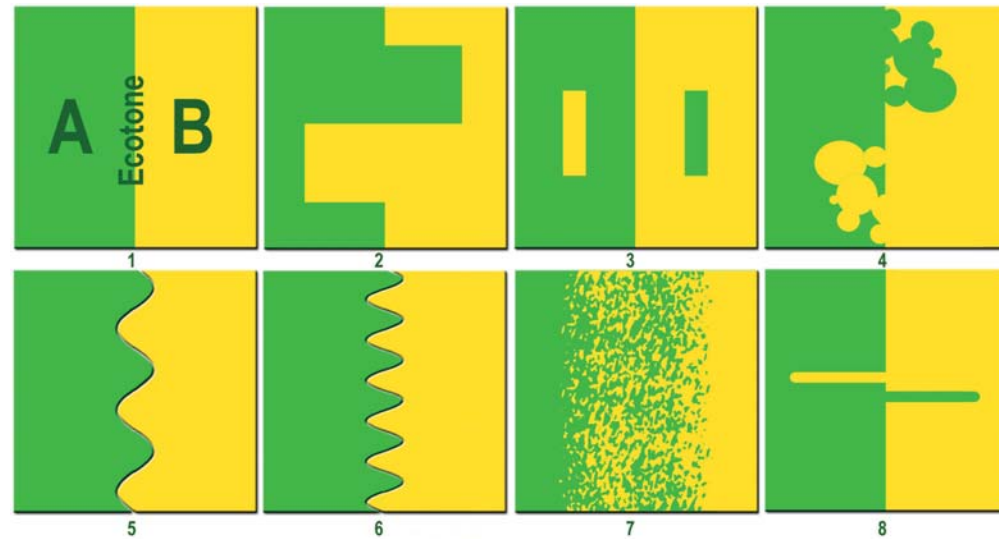
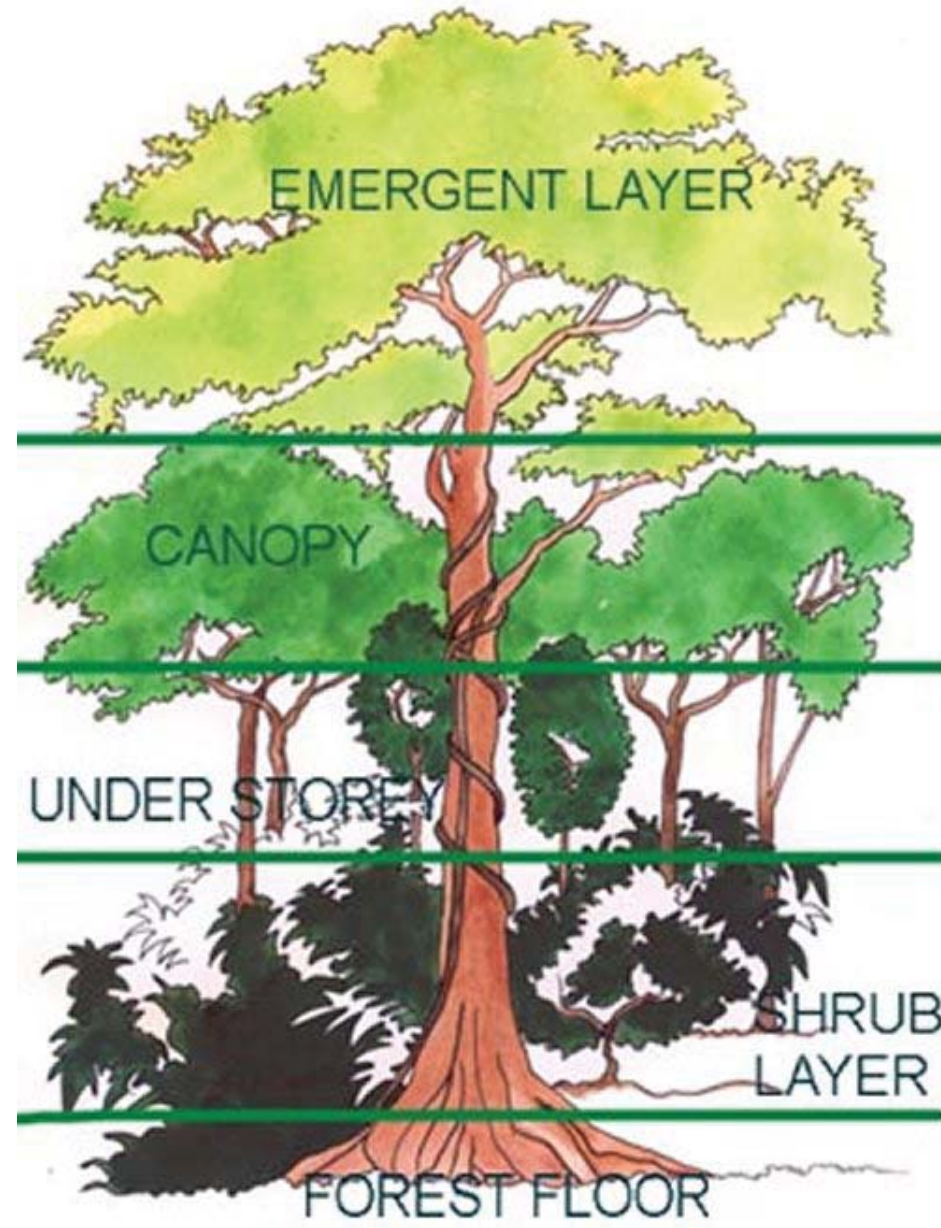
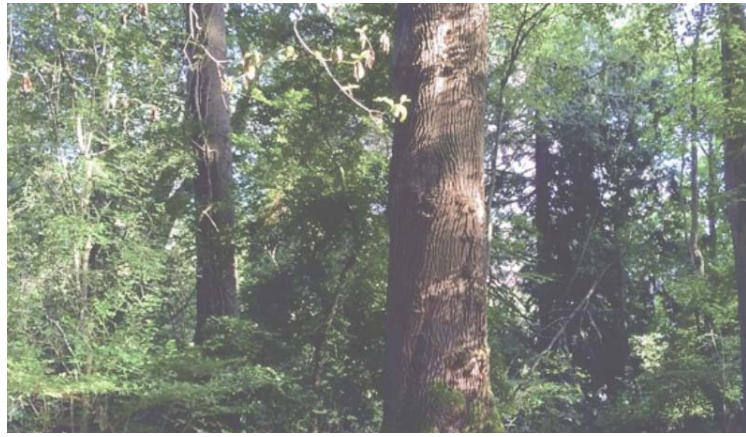
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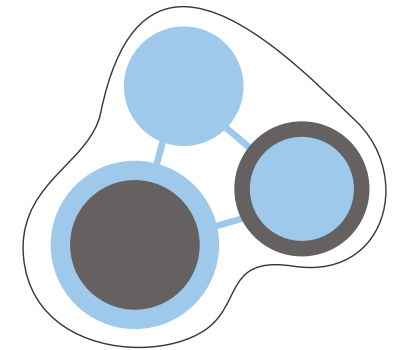
ECOSYSTEMS



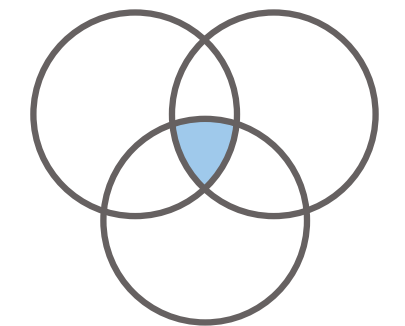
ENGAGEMENTS



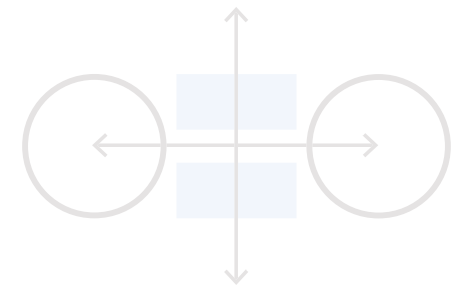
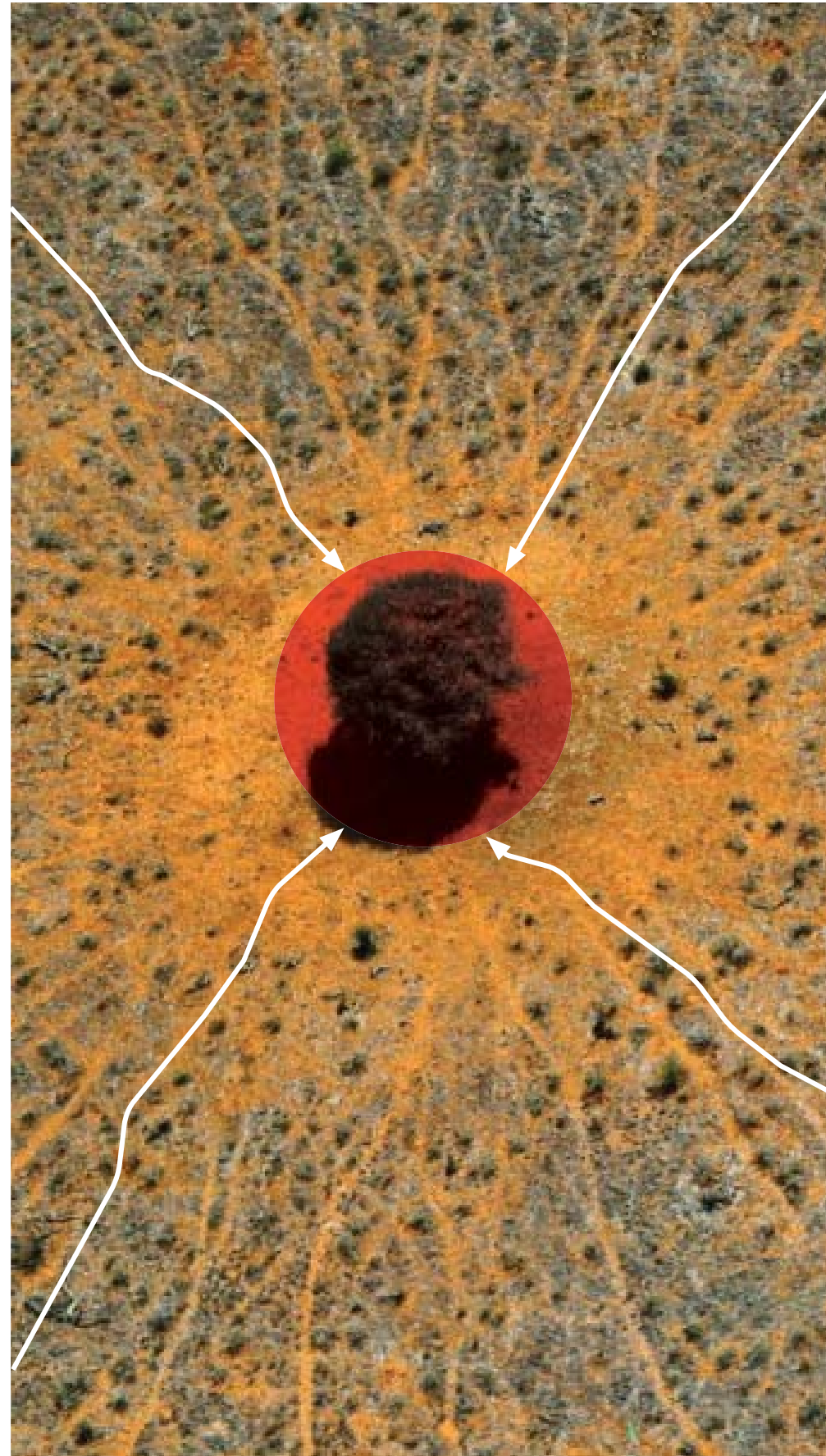
SCIENCE IS A GATEWAY



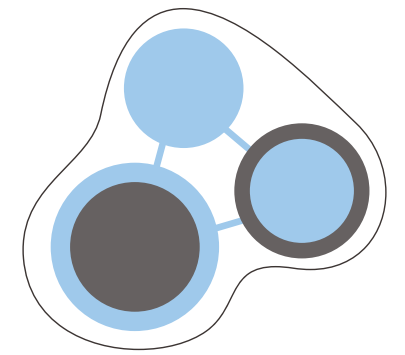
CONNECTIONS



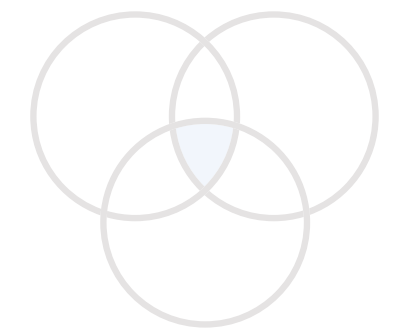
ENGAGEMENTS



SCIENCE IS A GATEWAY

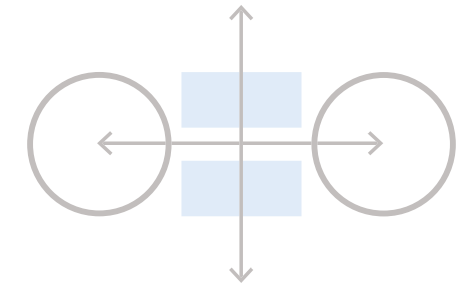


CONNECTIONS

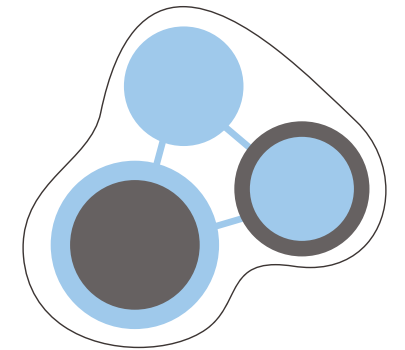


ENGAGEMENTS

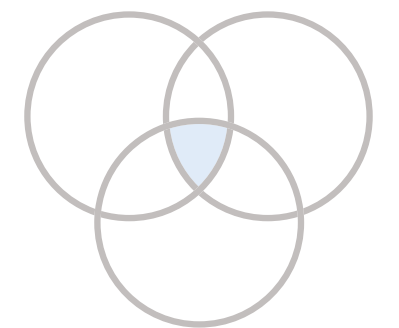
Enhanced Connections to Campus



SCIENCE IS A GATEWAY

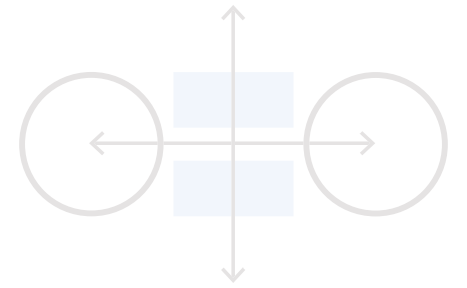
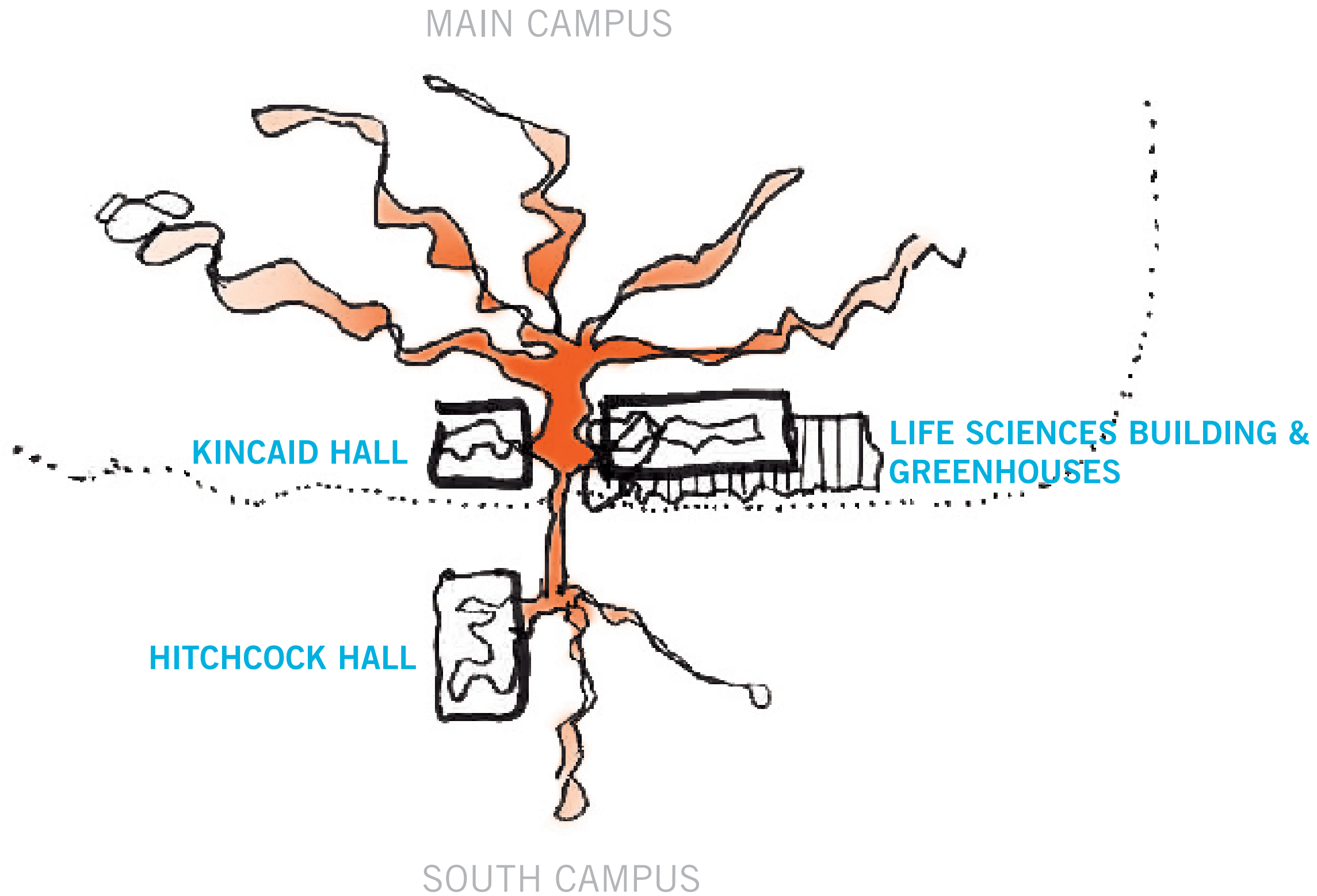


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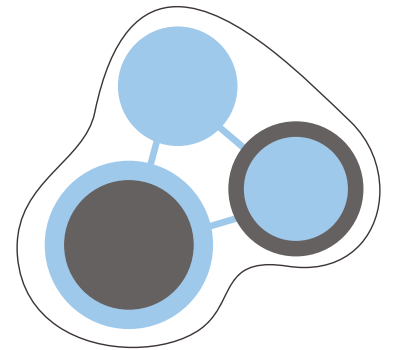


ENGAGEMENTS

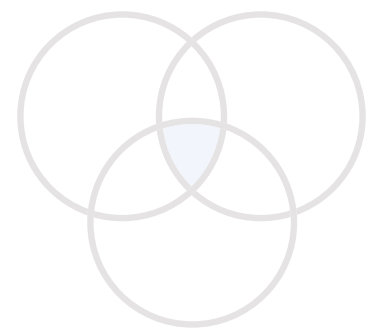
Life Sciences Community



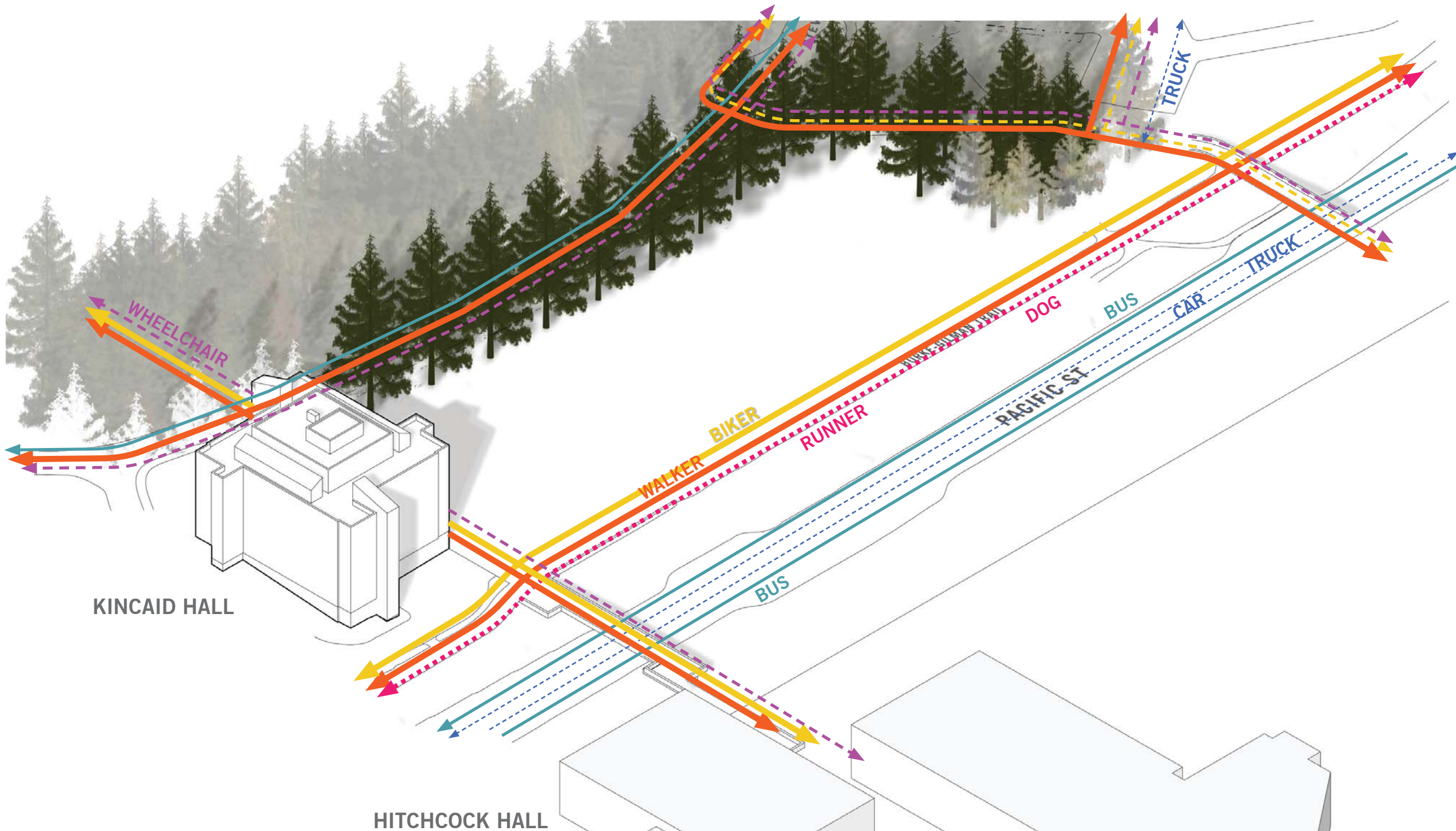
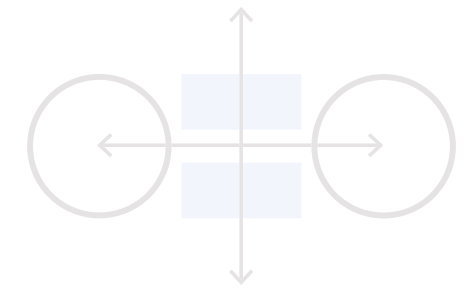
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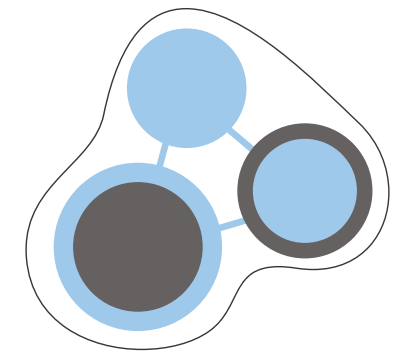
CONNECTIONS



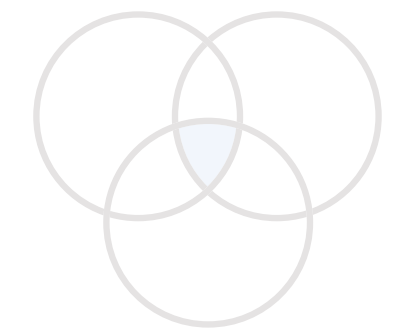
ENGAGEMENTS



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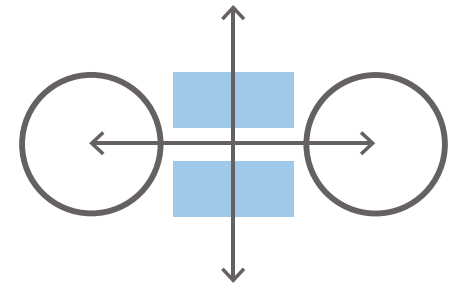
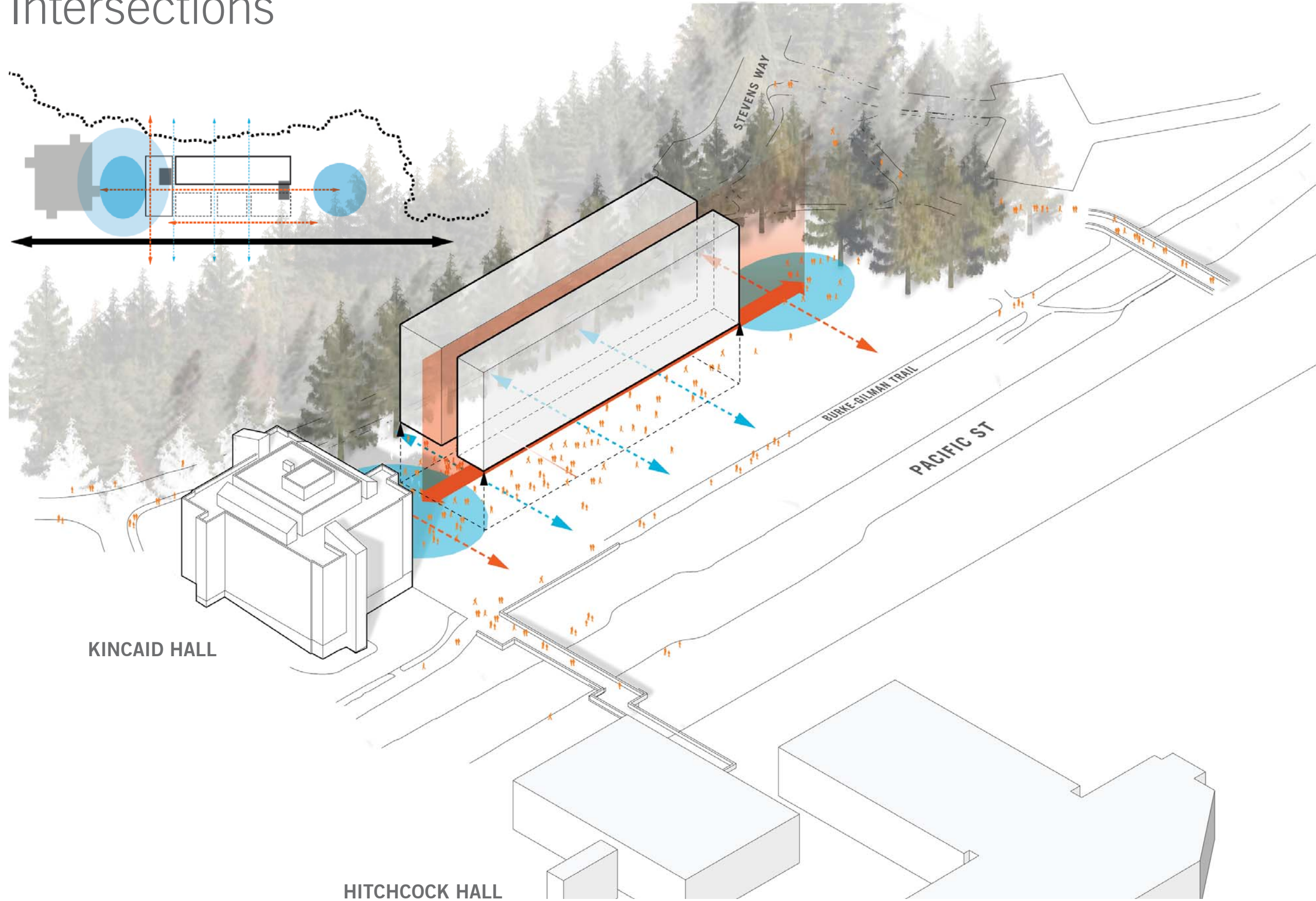


CONNECTIONS

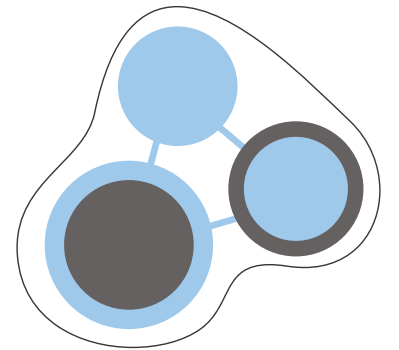


ENGAGEMENTS

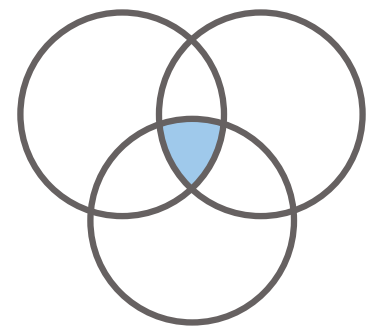
Intersections



SCIENCE IS A GATEWAY



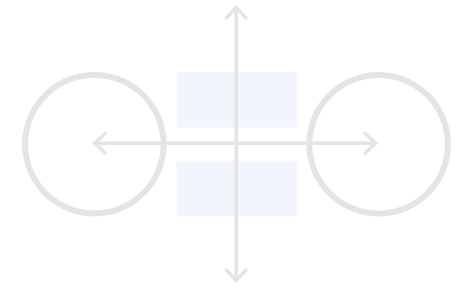
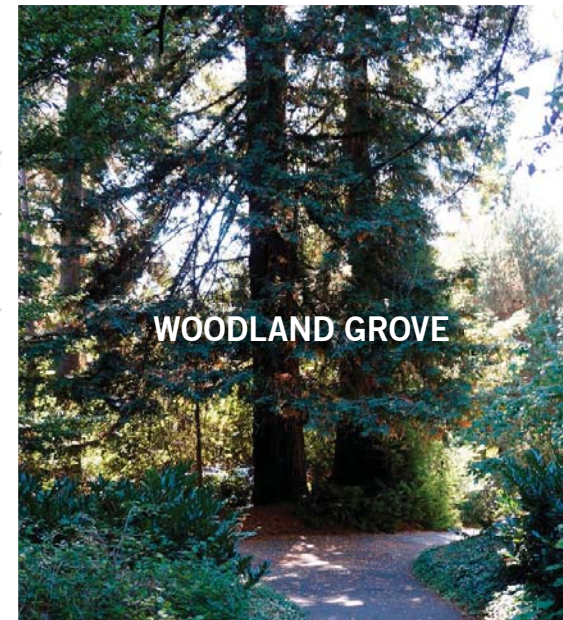
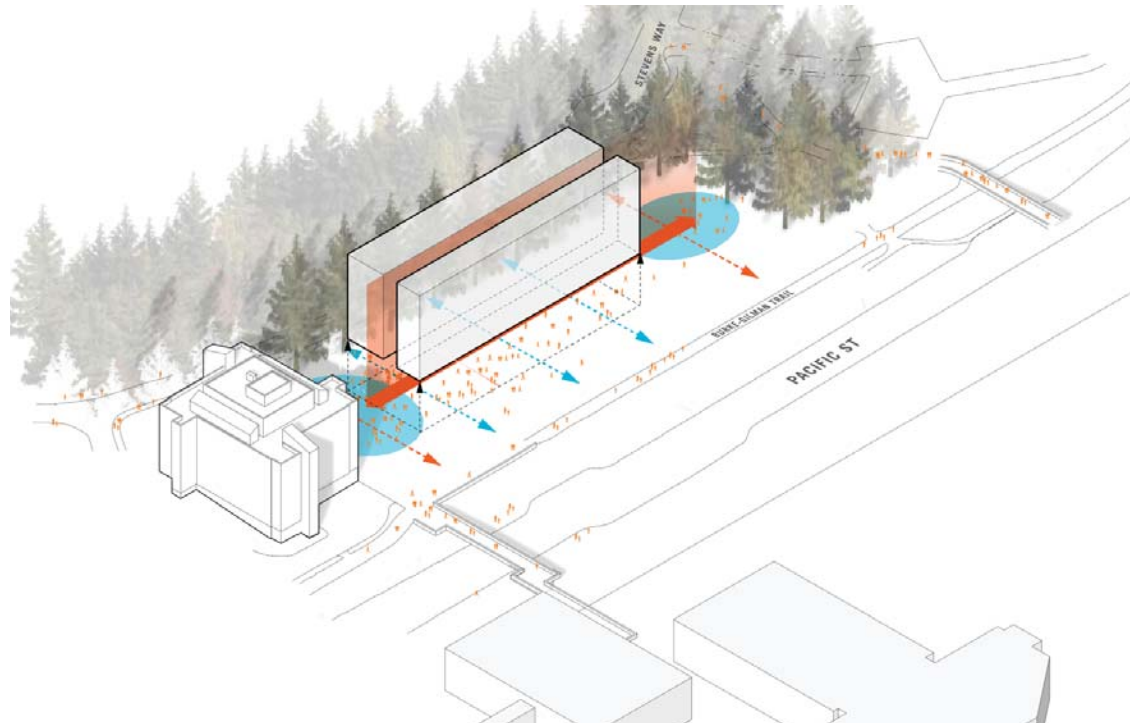
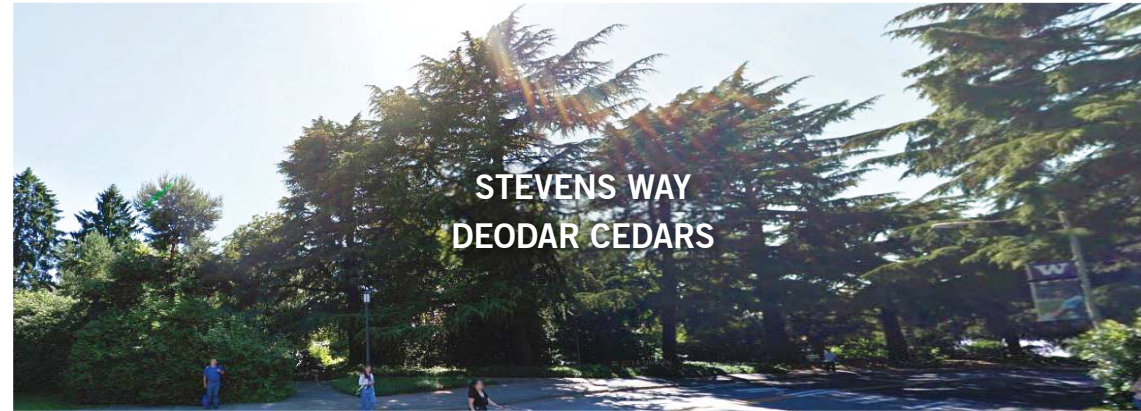
CONNECTIONS



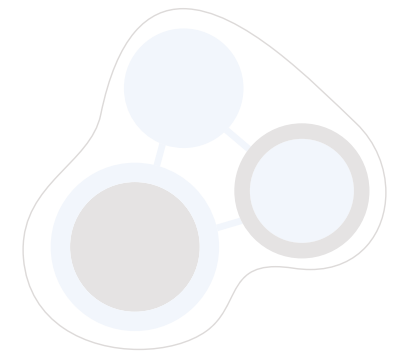
ENGAGEMENTS

Open Ground Level for Public Use

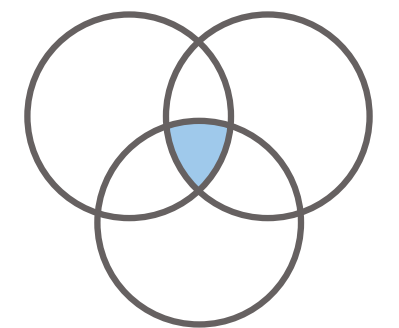
Transformation



SCIENCE IS A GATEWAY

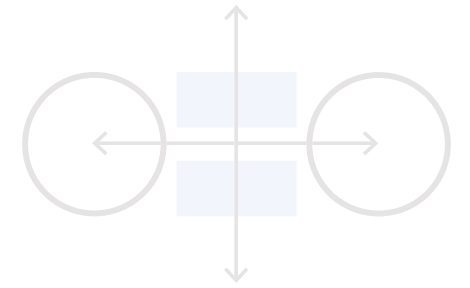


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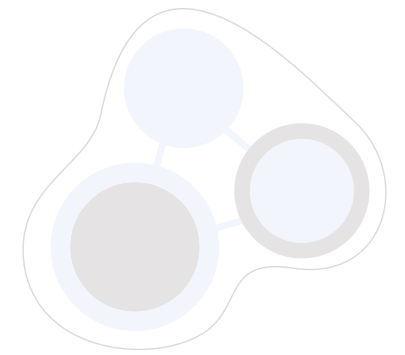
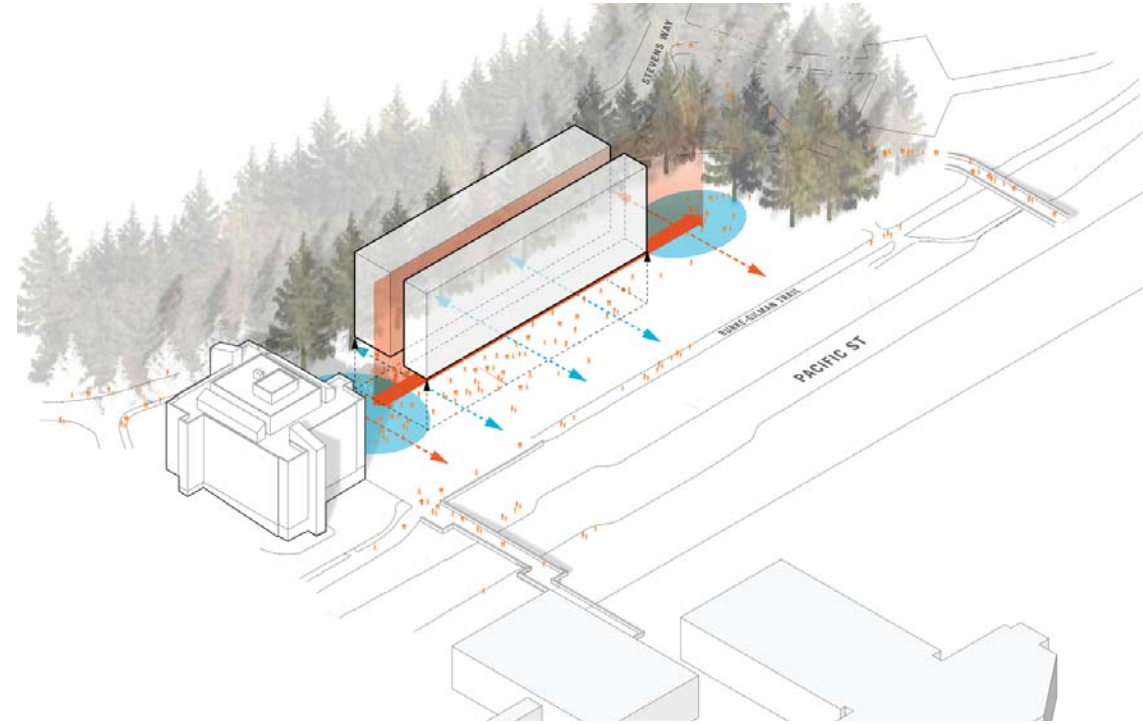


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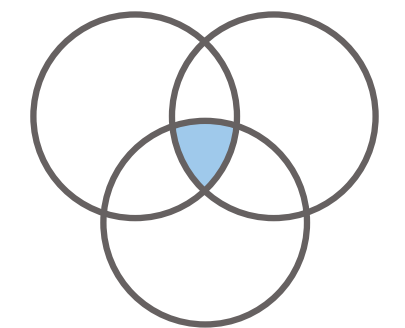
Science on Display



SCIENCE IS A GATEWAY

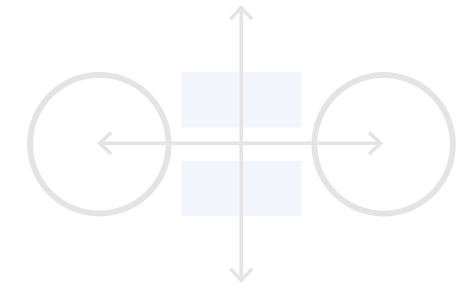
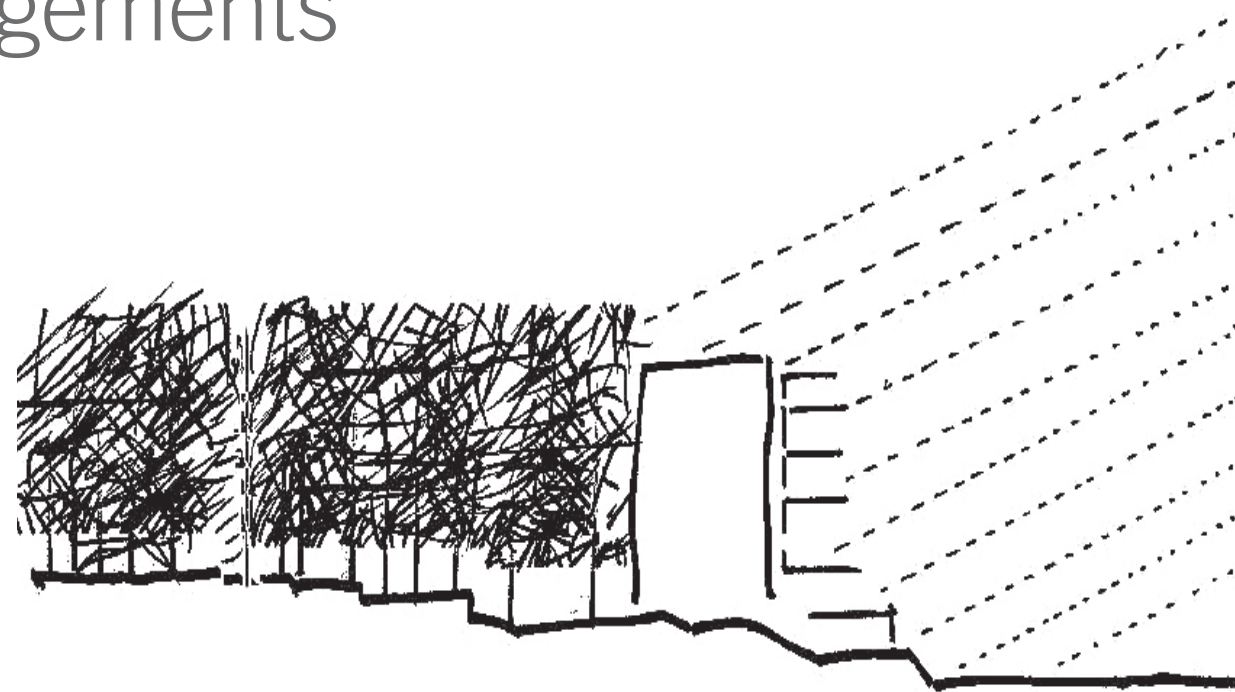
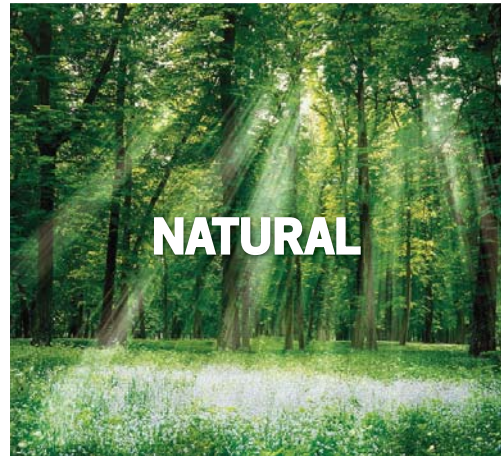


CONNECTIONS



ENGAGEMENTS

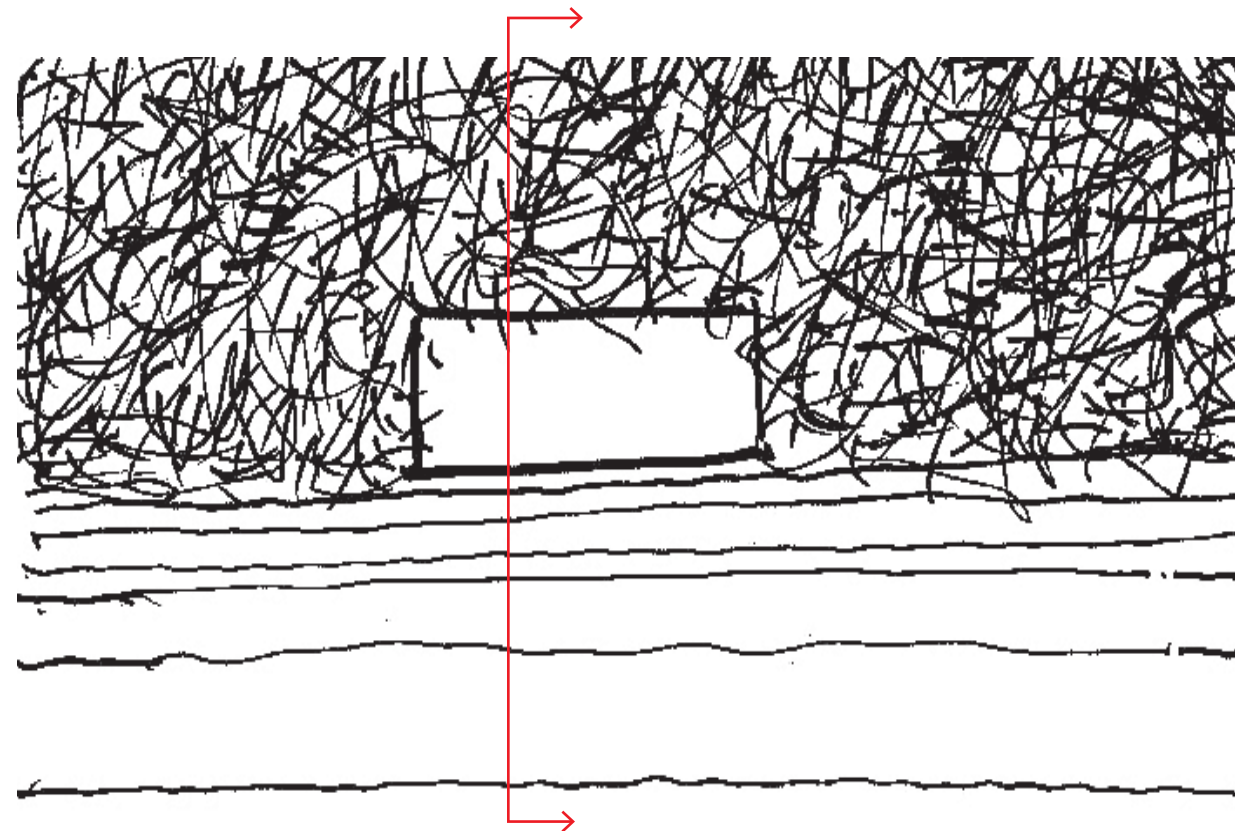
Ecotone = Engagements



SCIENCE IS A GATEWAY

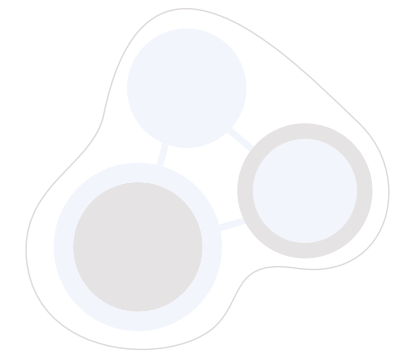
NORTH - EAST

- Natural
- Dense
- Filtering of Light
- Connection with Main Campus
- Camouflaged Visibility
- Verticality
- Textural
- Looking to the Past

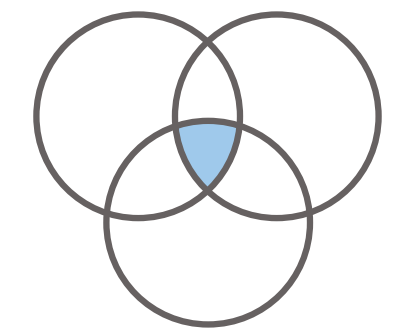


SOUTH - WEST

- Urban
- Open
- Direct Solar Exposure
- Connection with South Campus
- Major Visibility
- Horizontally
- Sleek and Delicate
- Looking to the Future

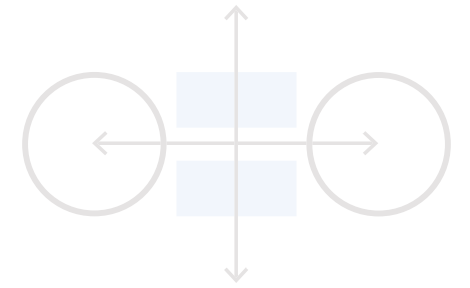
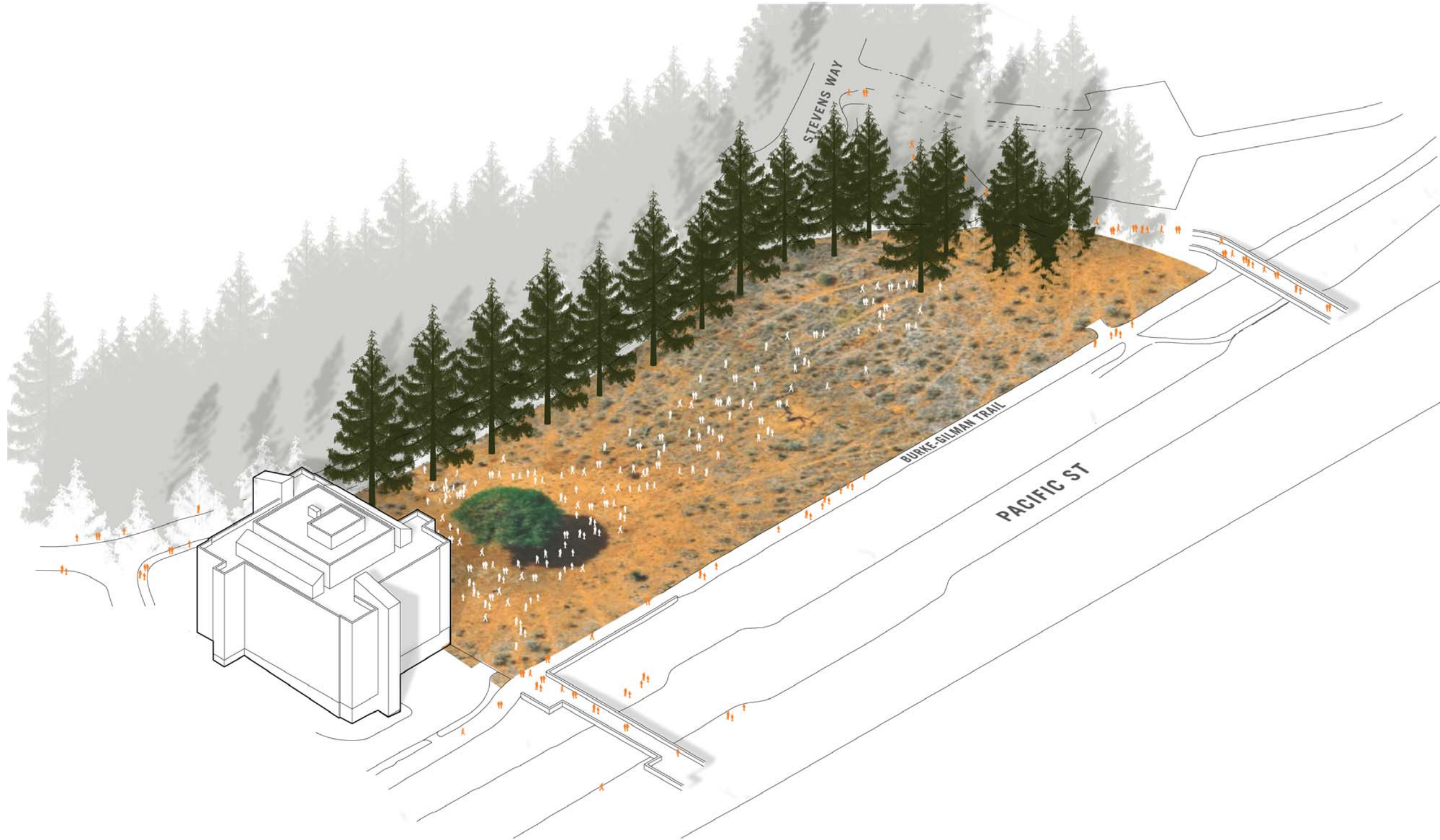


CONNECTIONS

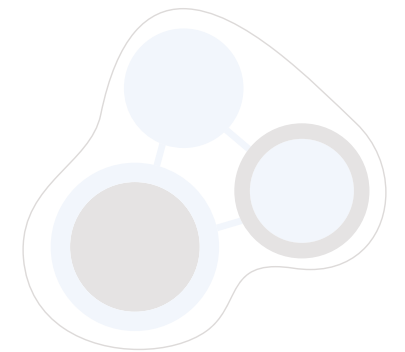


ENGAGEMENTS

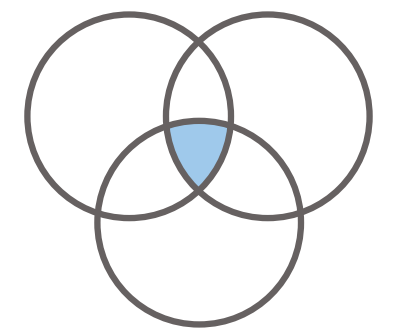
Site = Corridor + Node



SCIENCE IS A GATEWAY

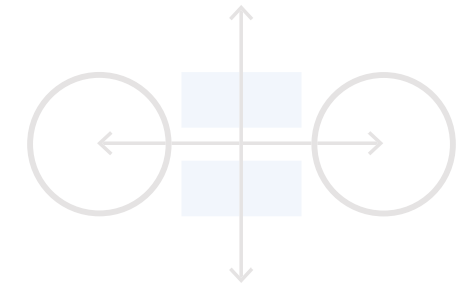


CONNECTIONS

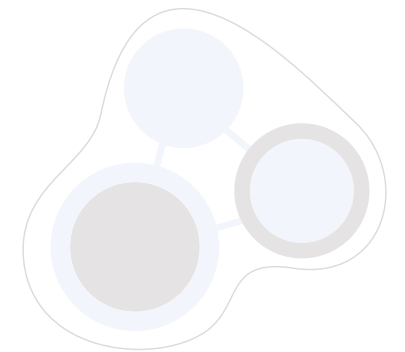


ENGAGEMENTS

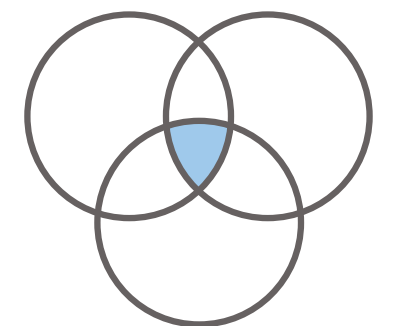
Ecotone = Natural + Technological



SCIENCE IS A GATEWAY

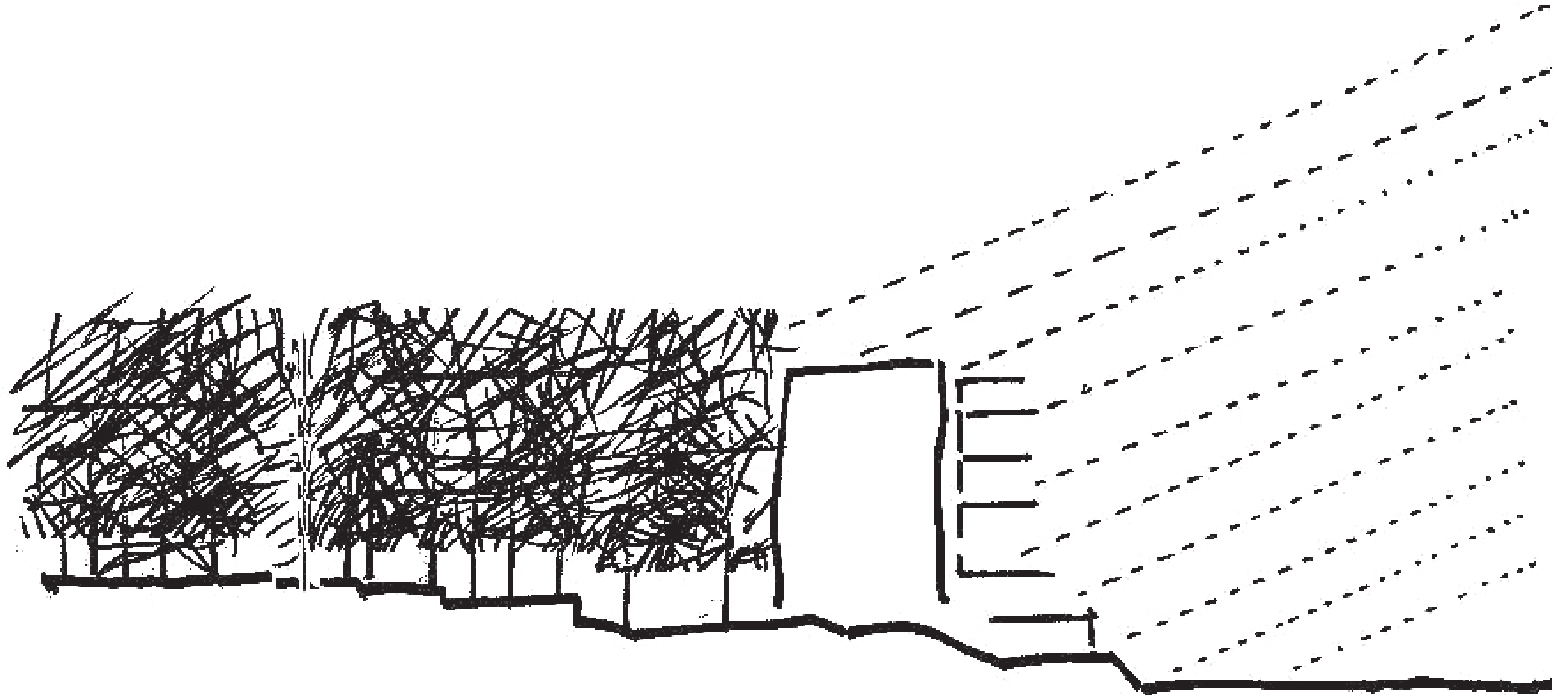


CONNECTIONS



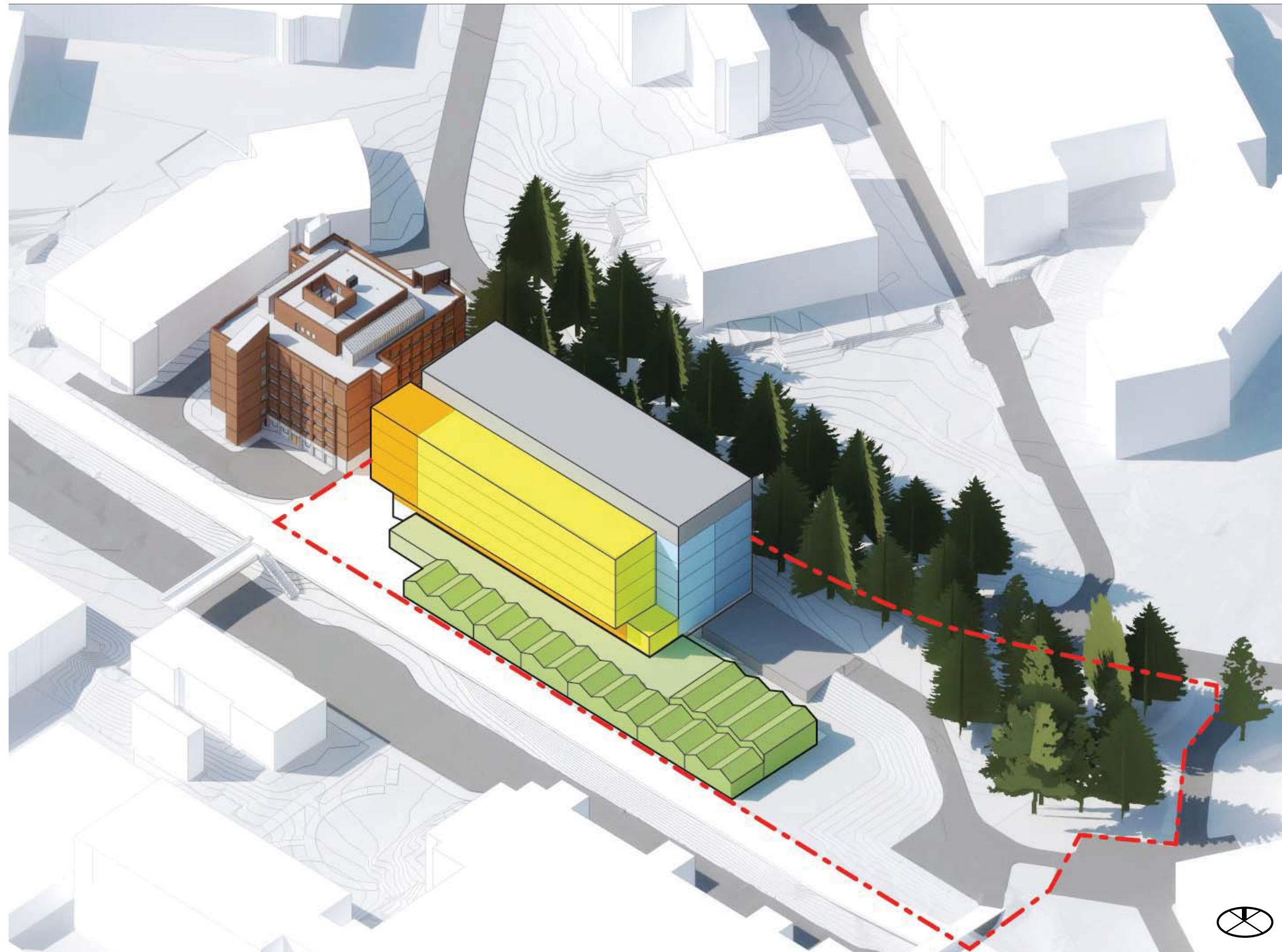
ENGAGEMENTS

3. MASSING & FACADE STUDIES



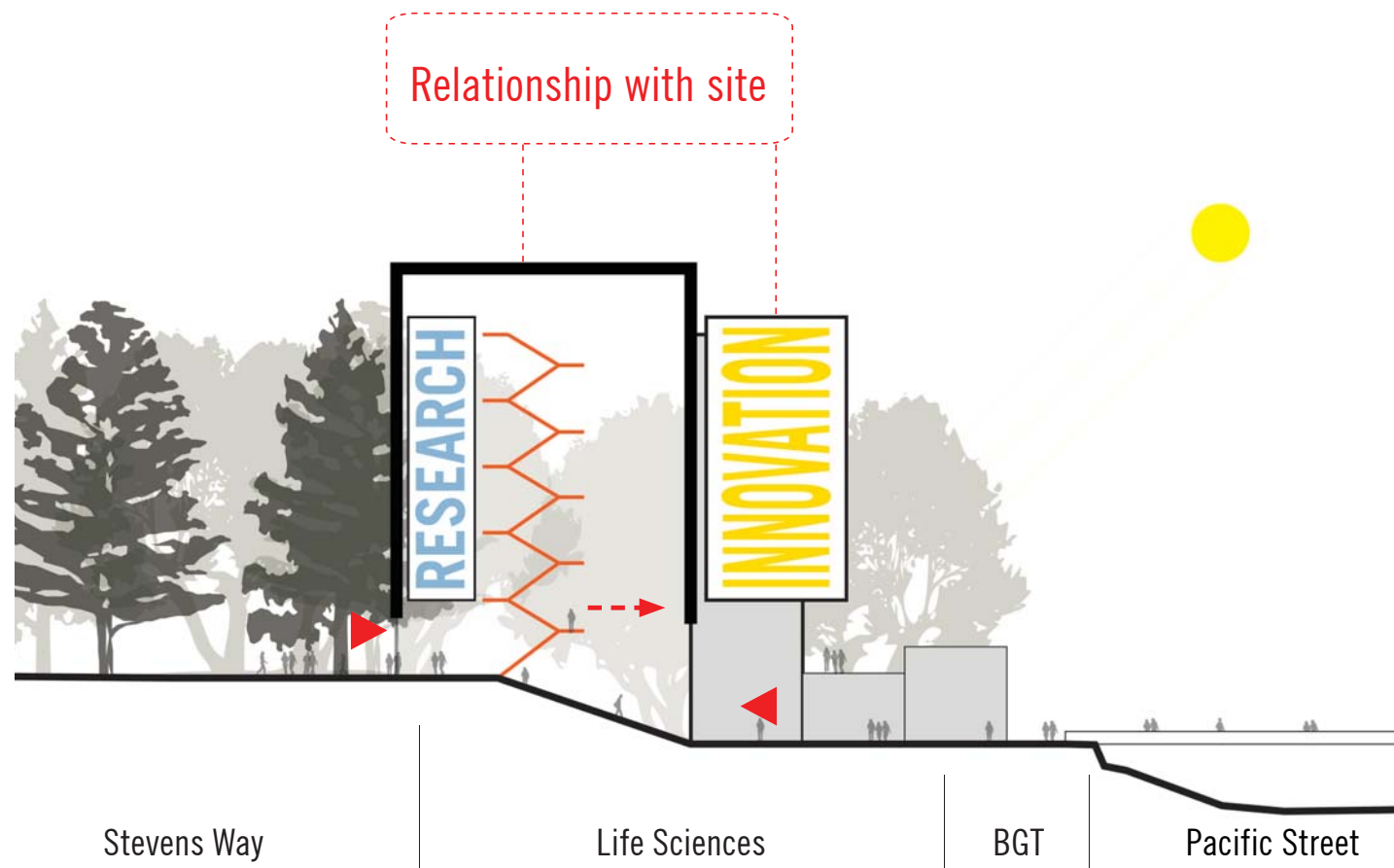
PROGRAMMING & MASSING

PRE-DESIGN MASSING

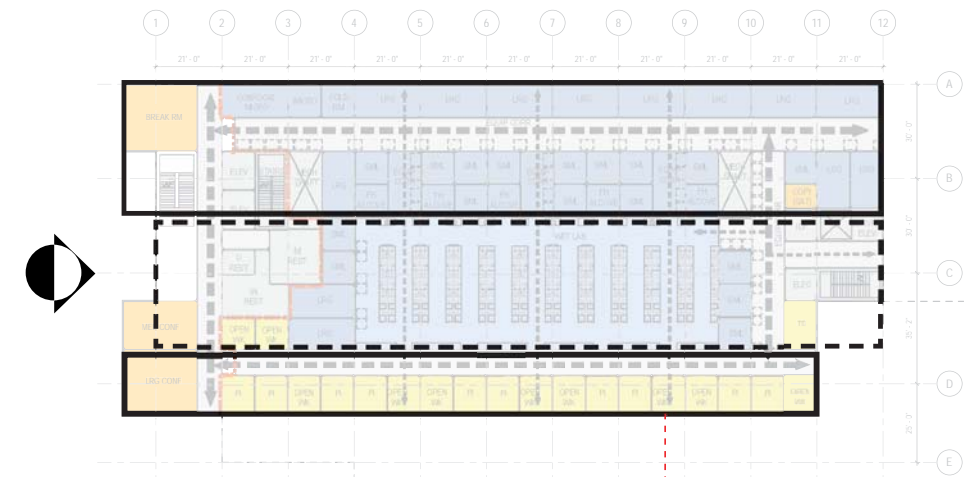
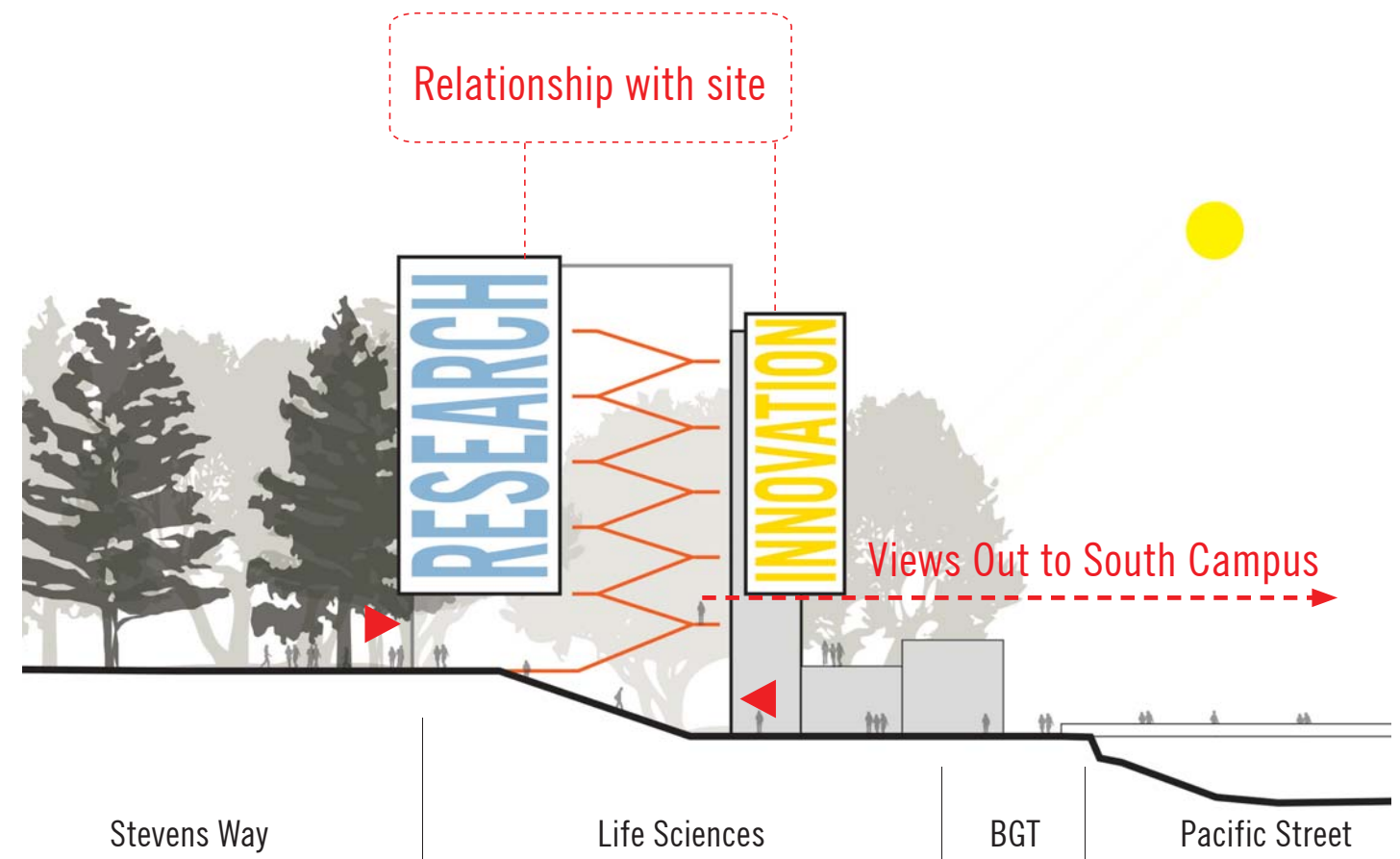


- Lab
- Office
- Public
- Service
- Headhouse
- Greenhouse

Pre-Design

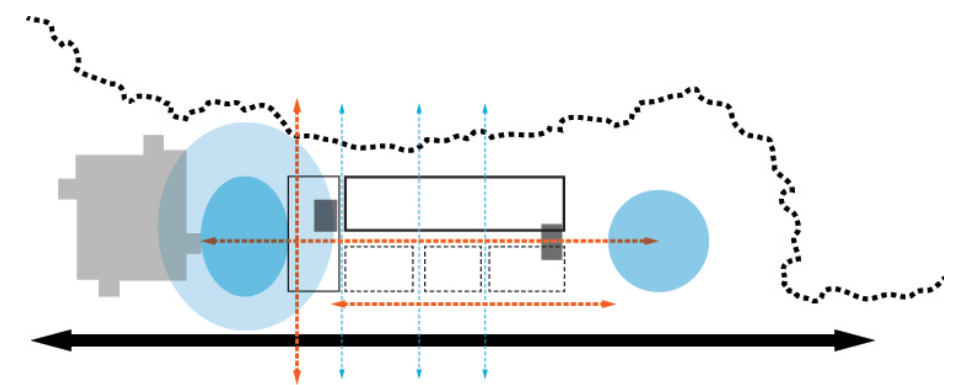
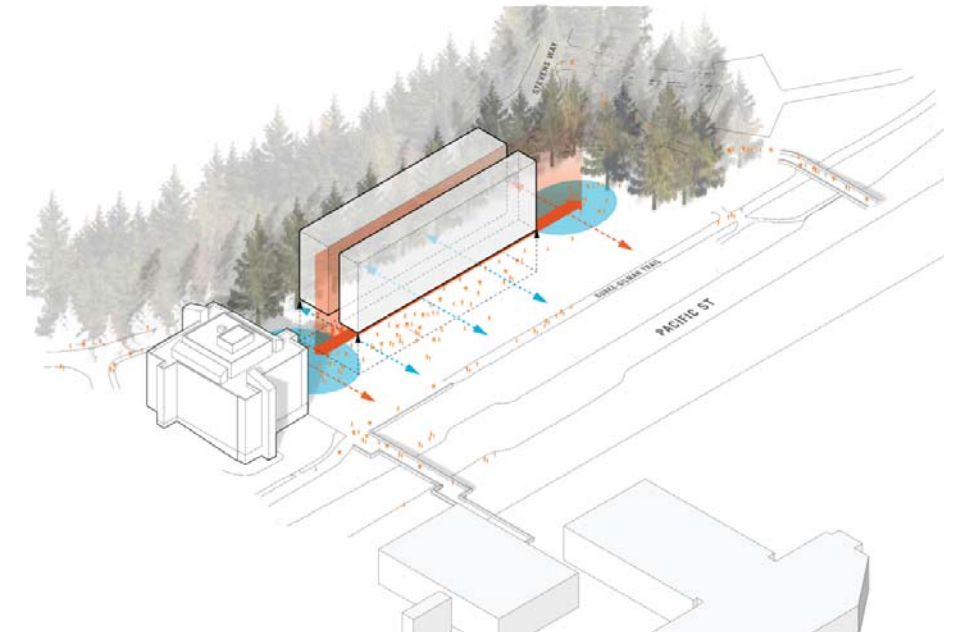
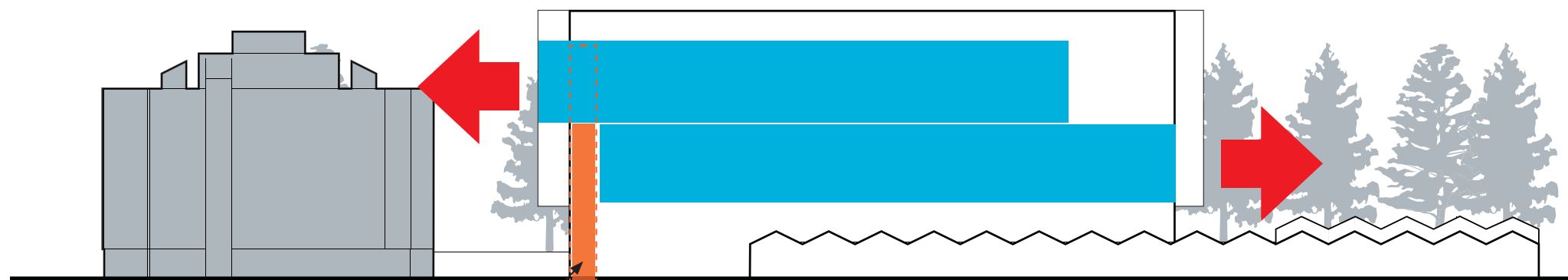


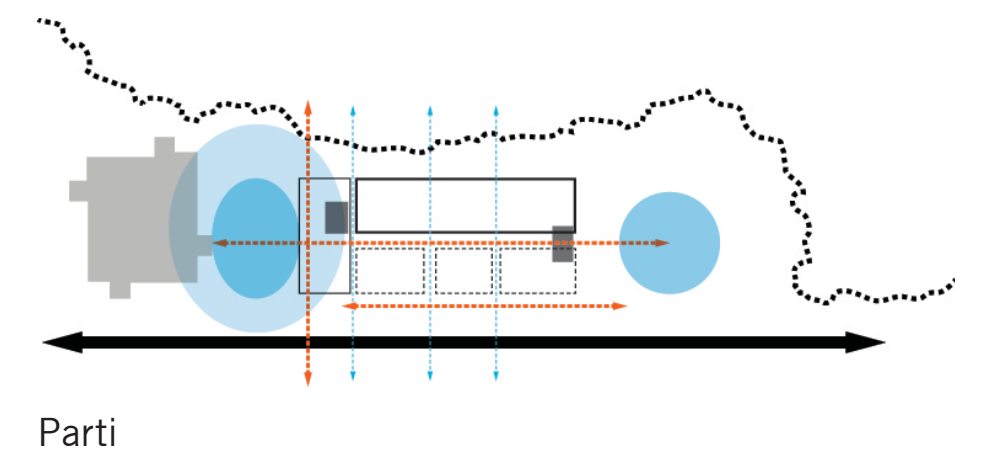
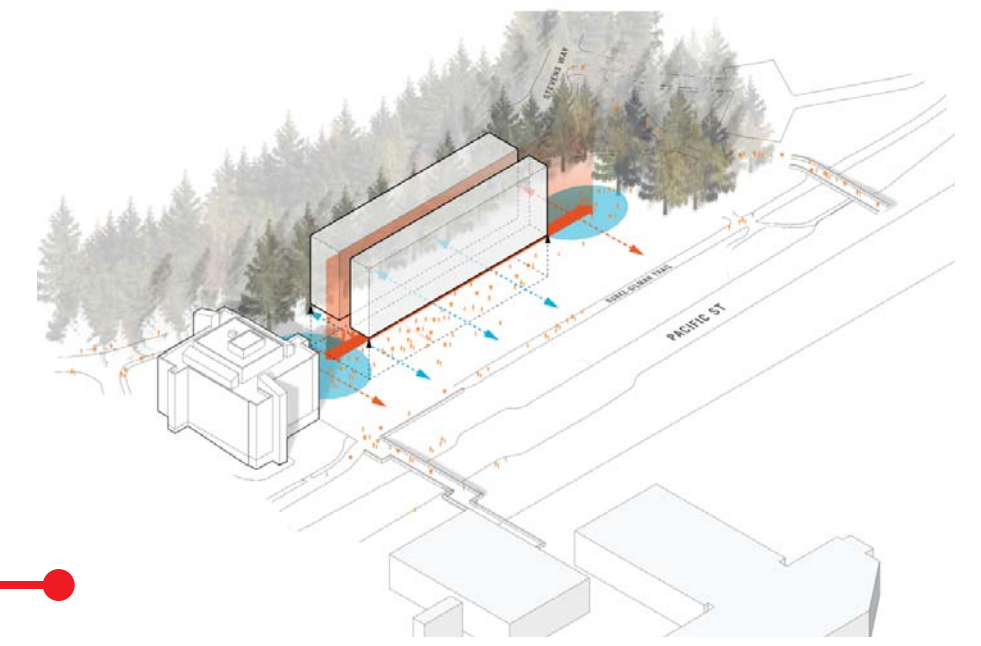
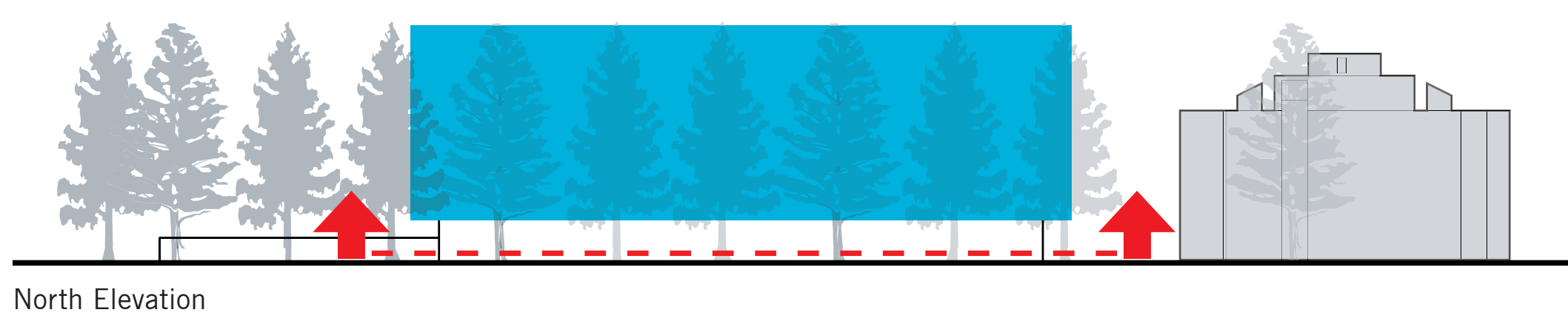
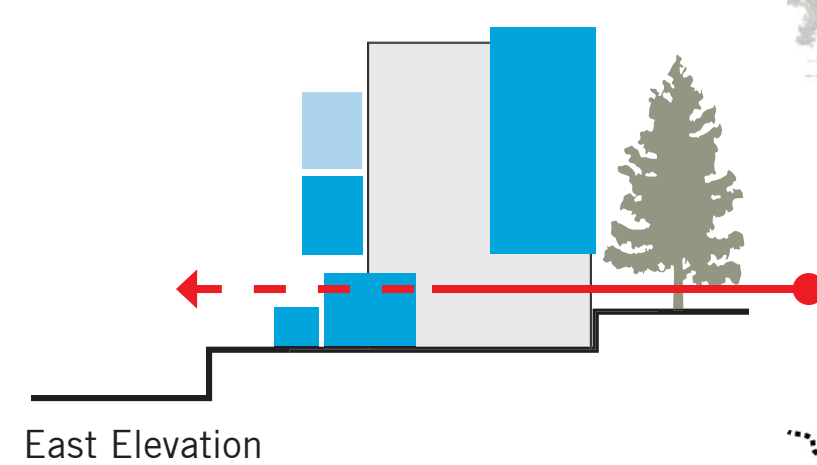
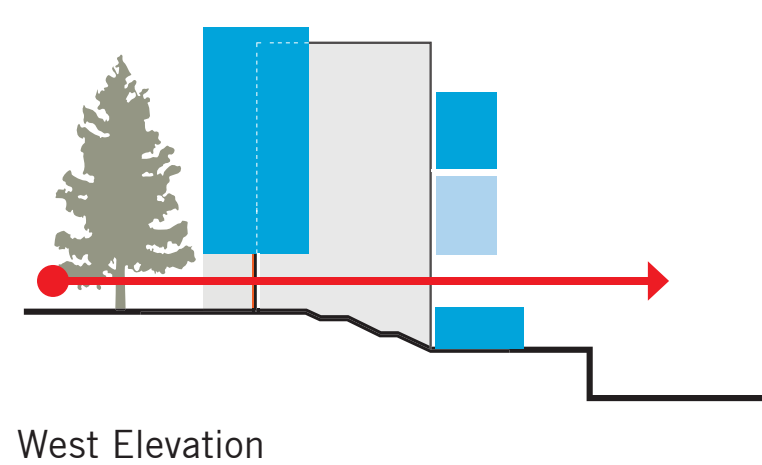
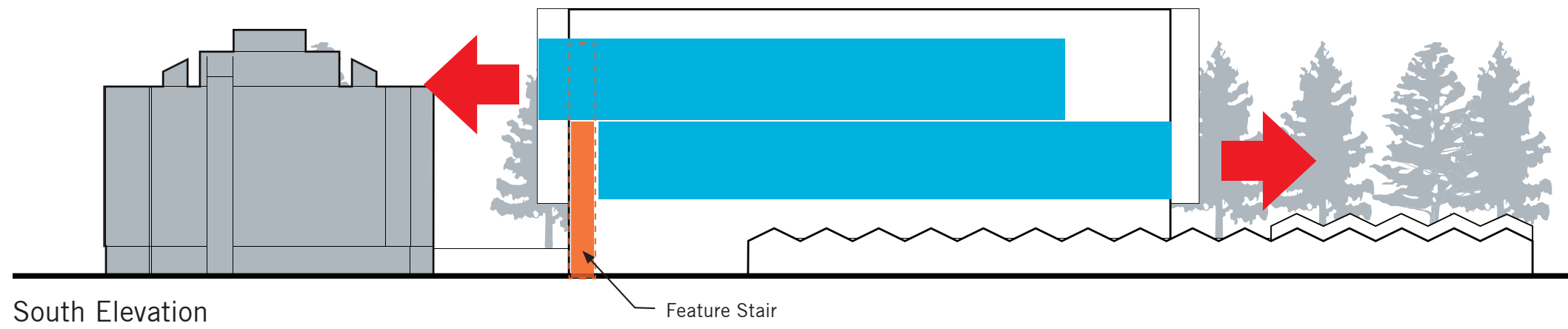
Current Design - Ecotone

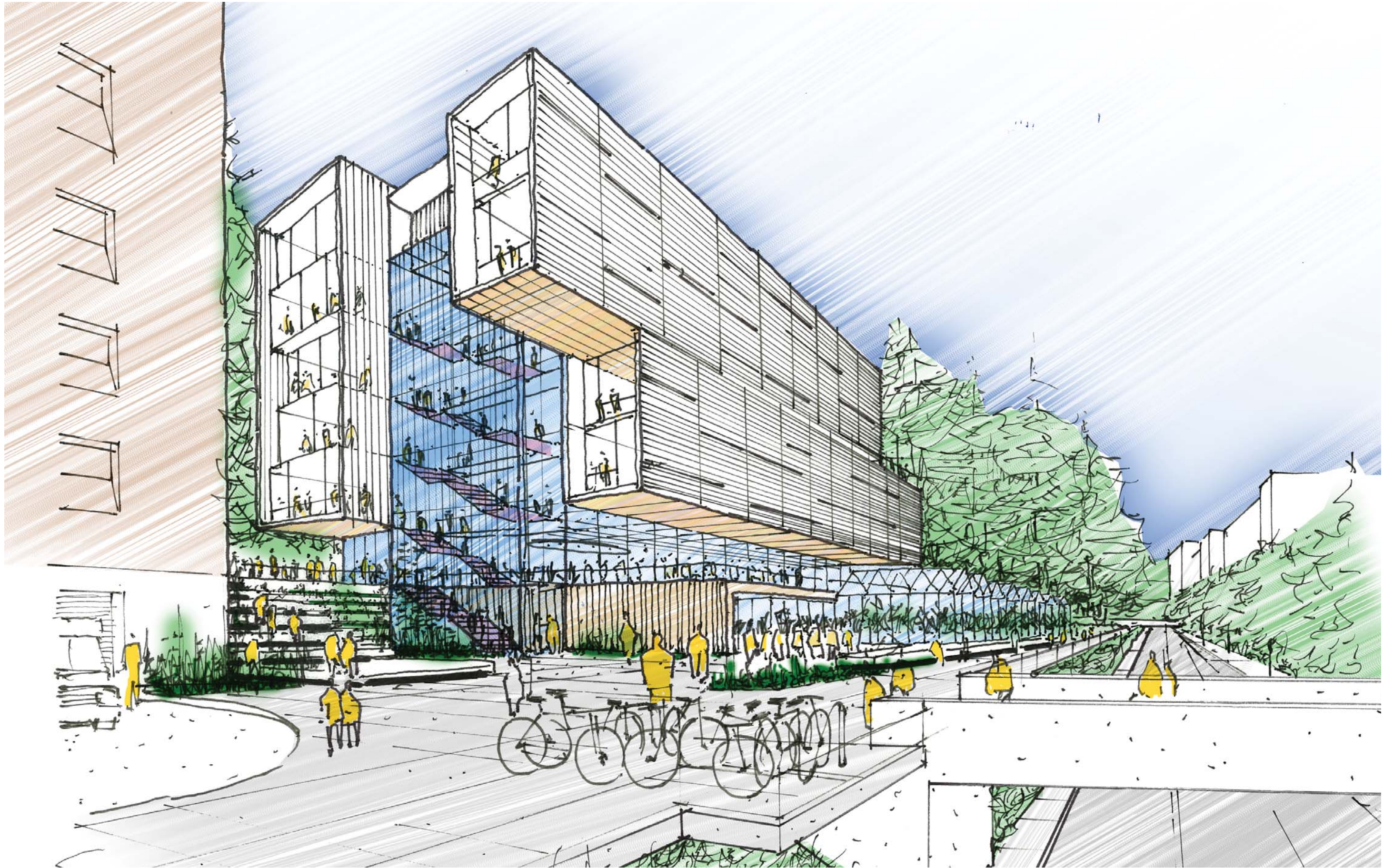


Reflection of program



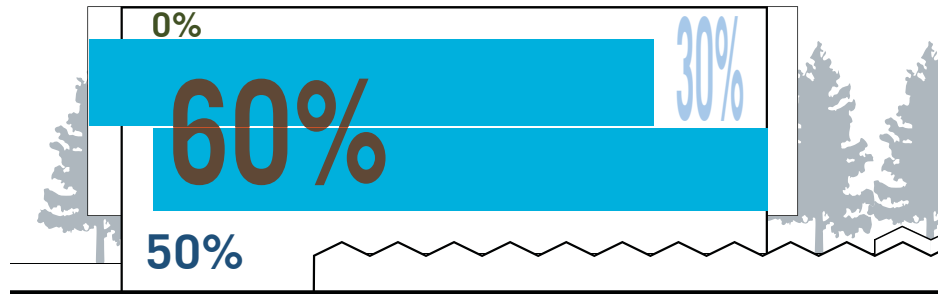




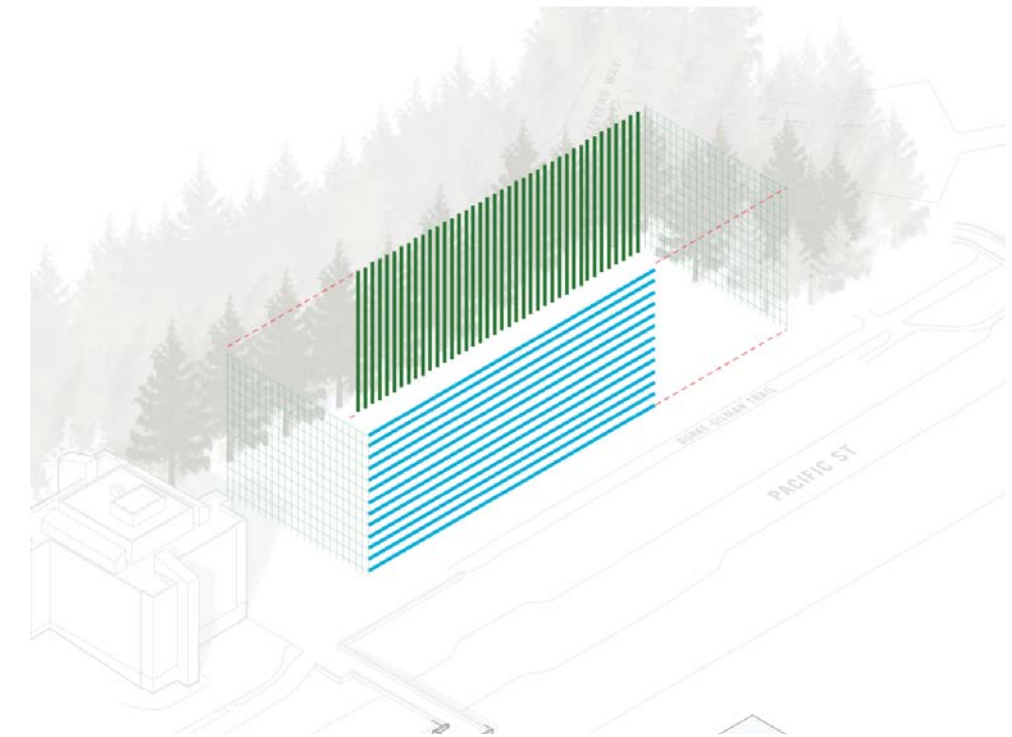
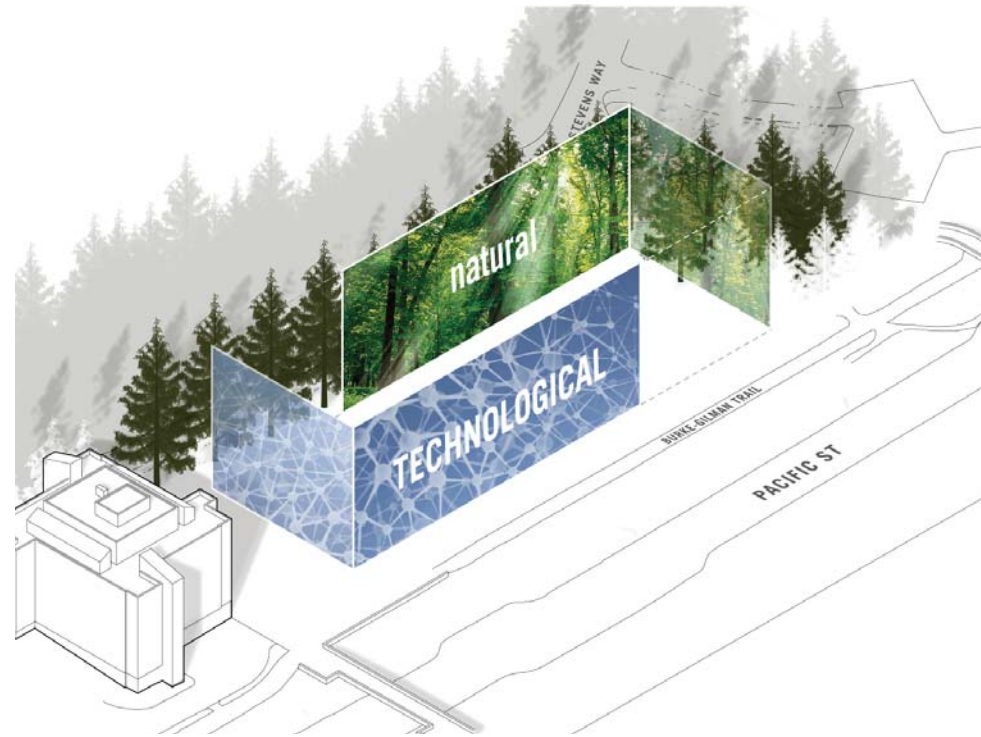
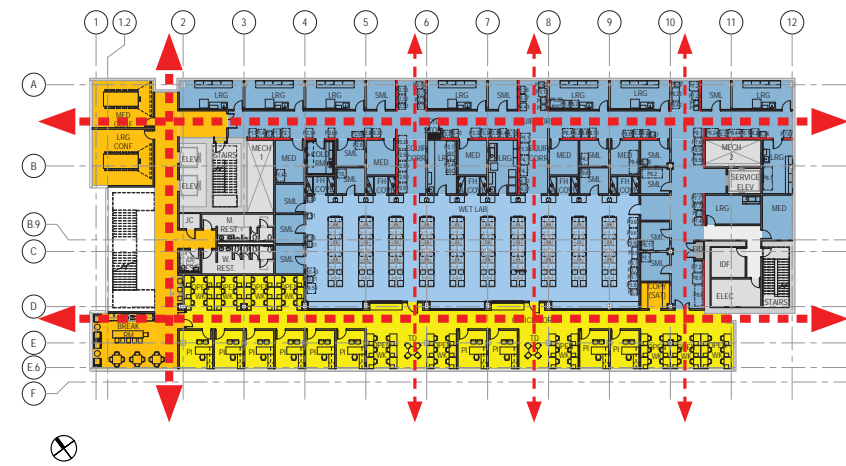


Southwest Perspective

SOUTH ELEVATION SKIN



South

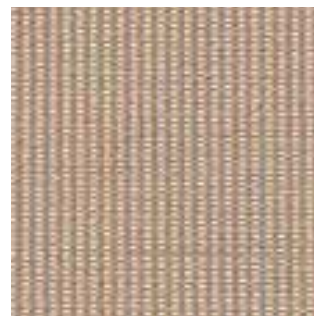
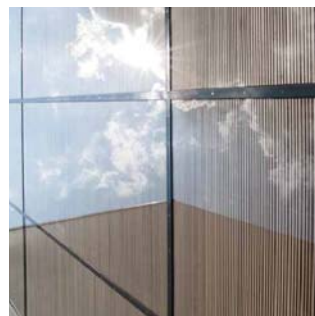
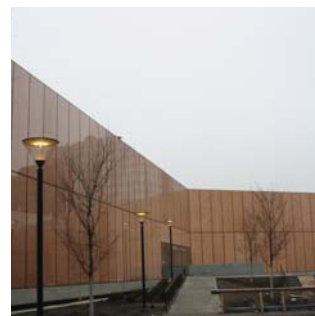
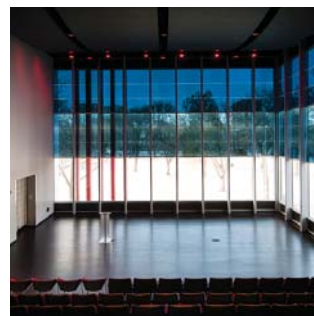


TECHNOLOGICAL

HORIZONTAL

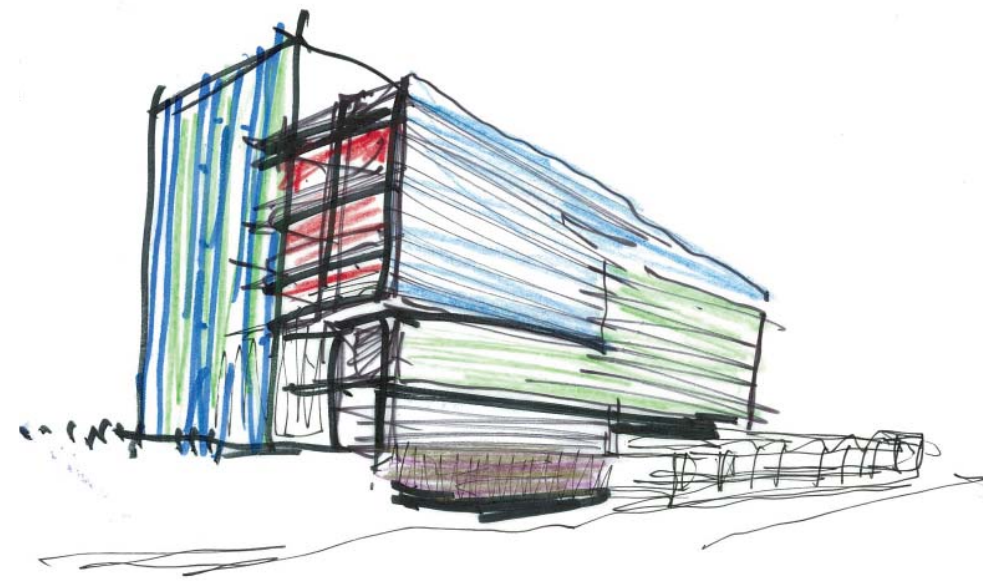
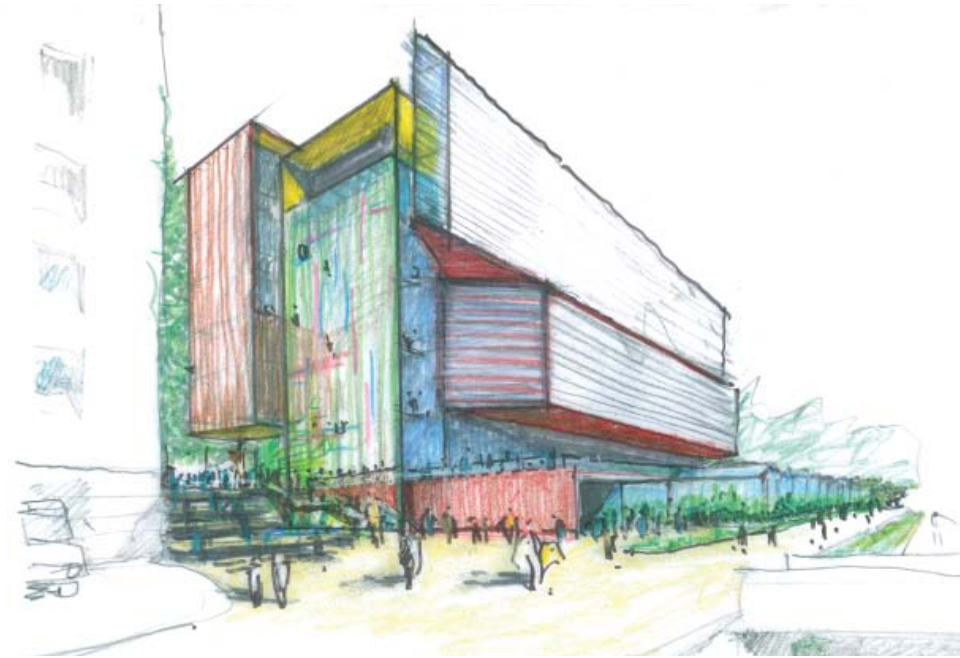
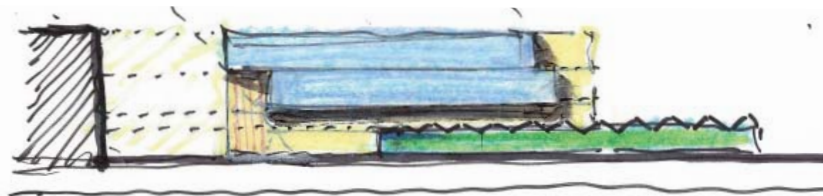
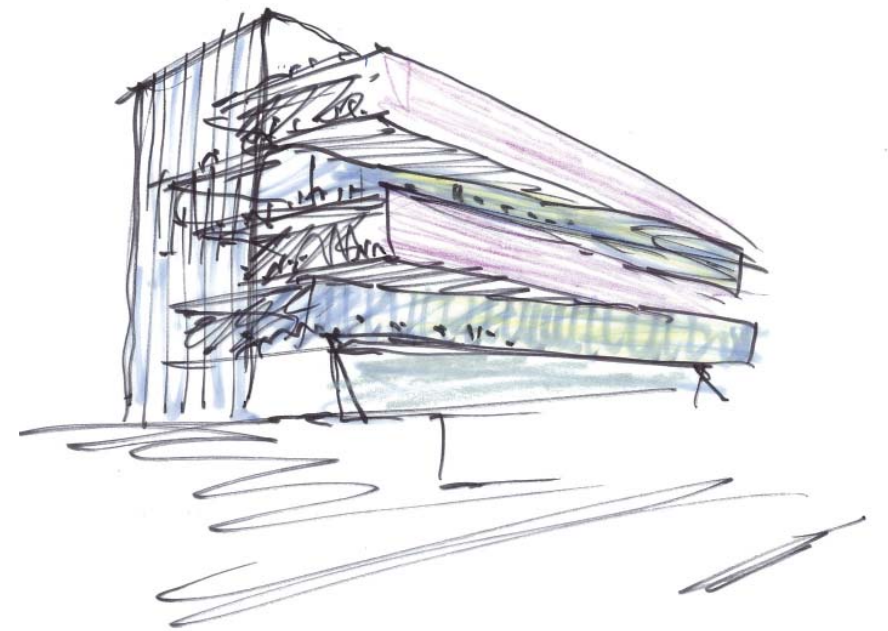
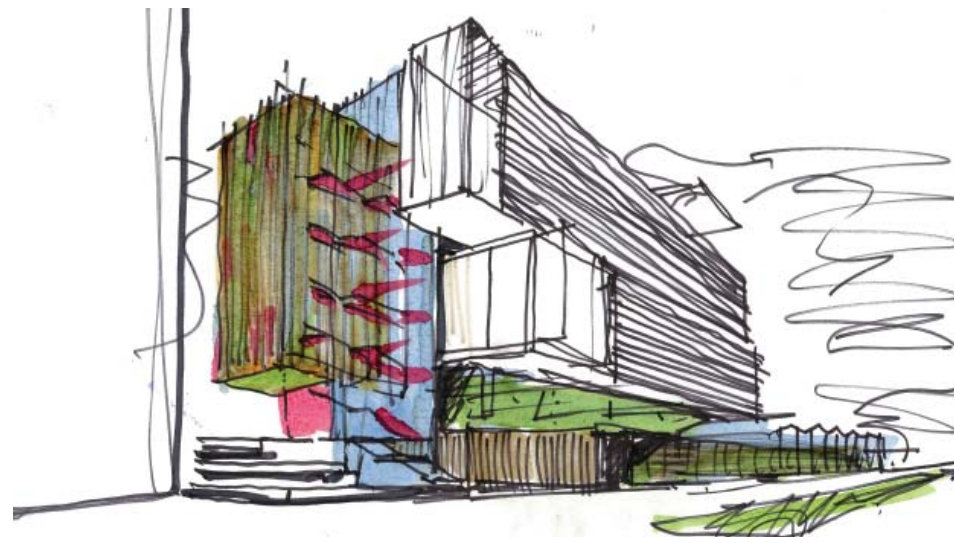
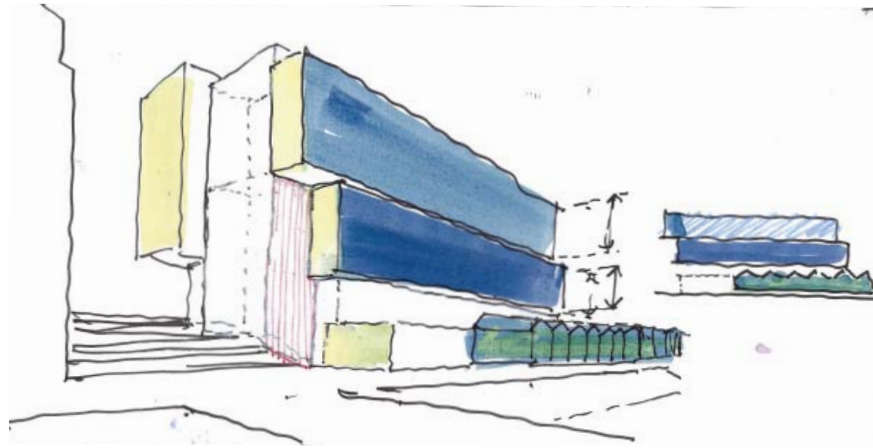
CHARACTER

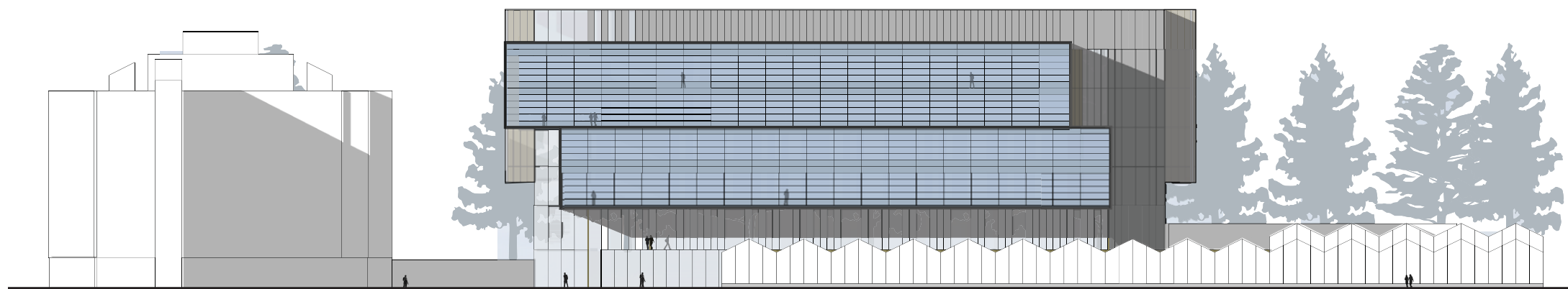
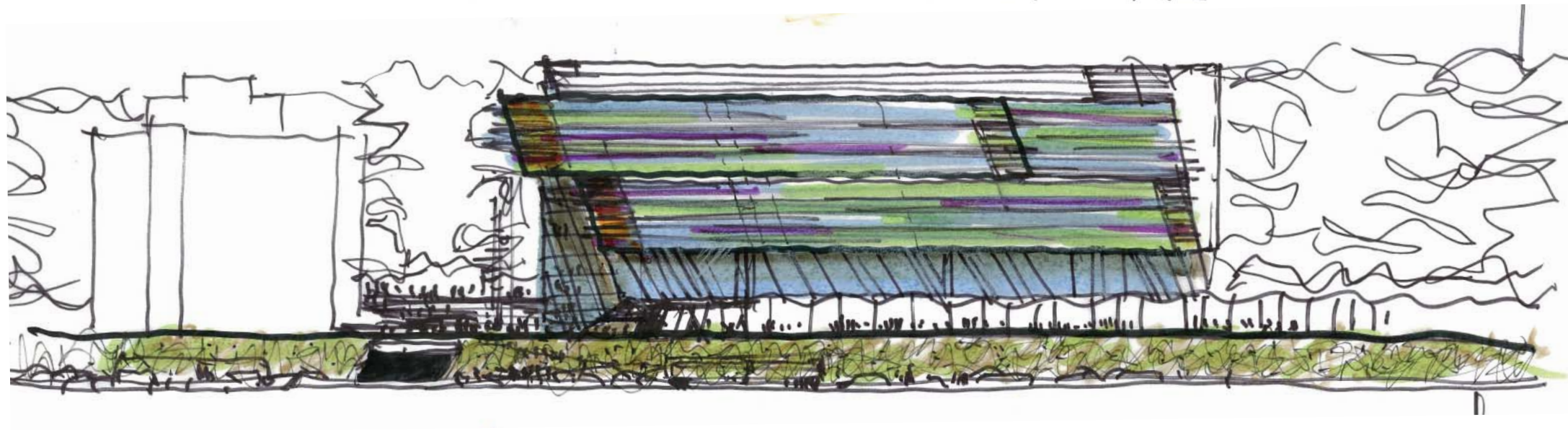
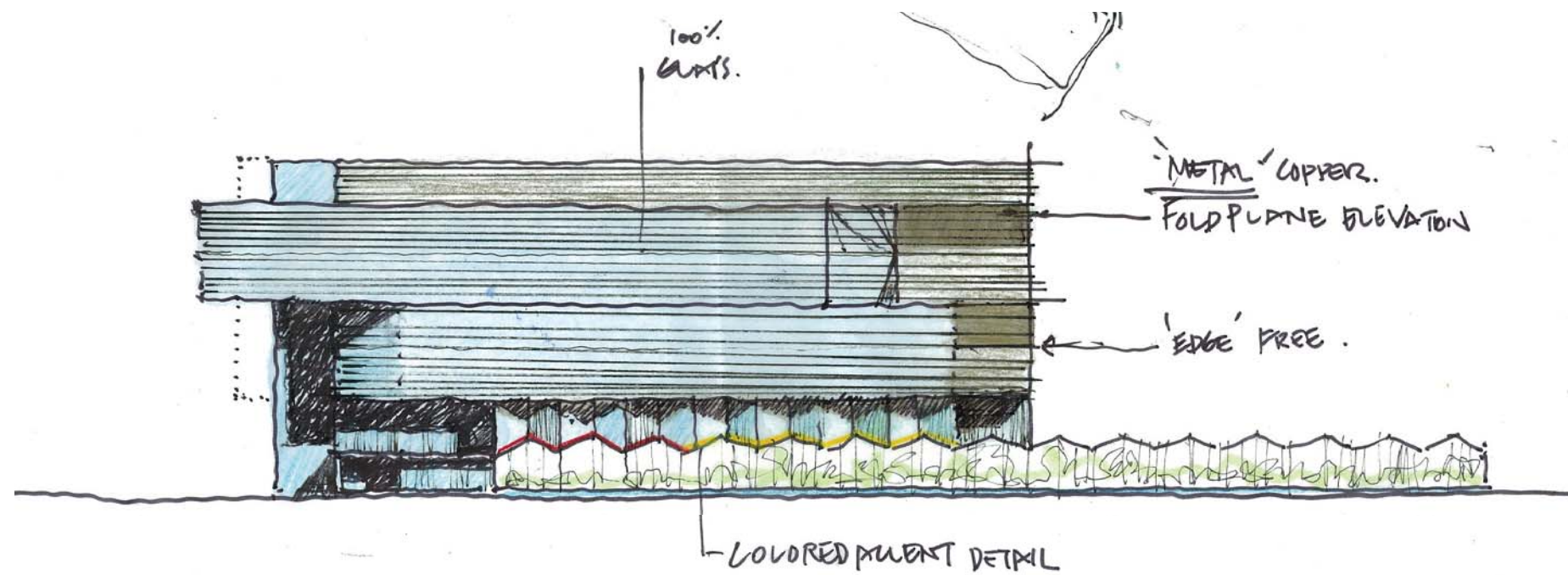
- Urban
- Direct Solar Exposure
- Major Visibility
- Horizontally
- Sleek and Delicate

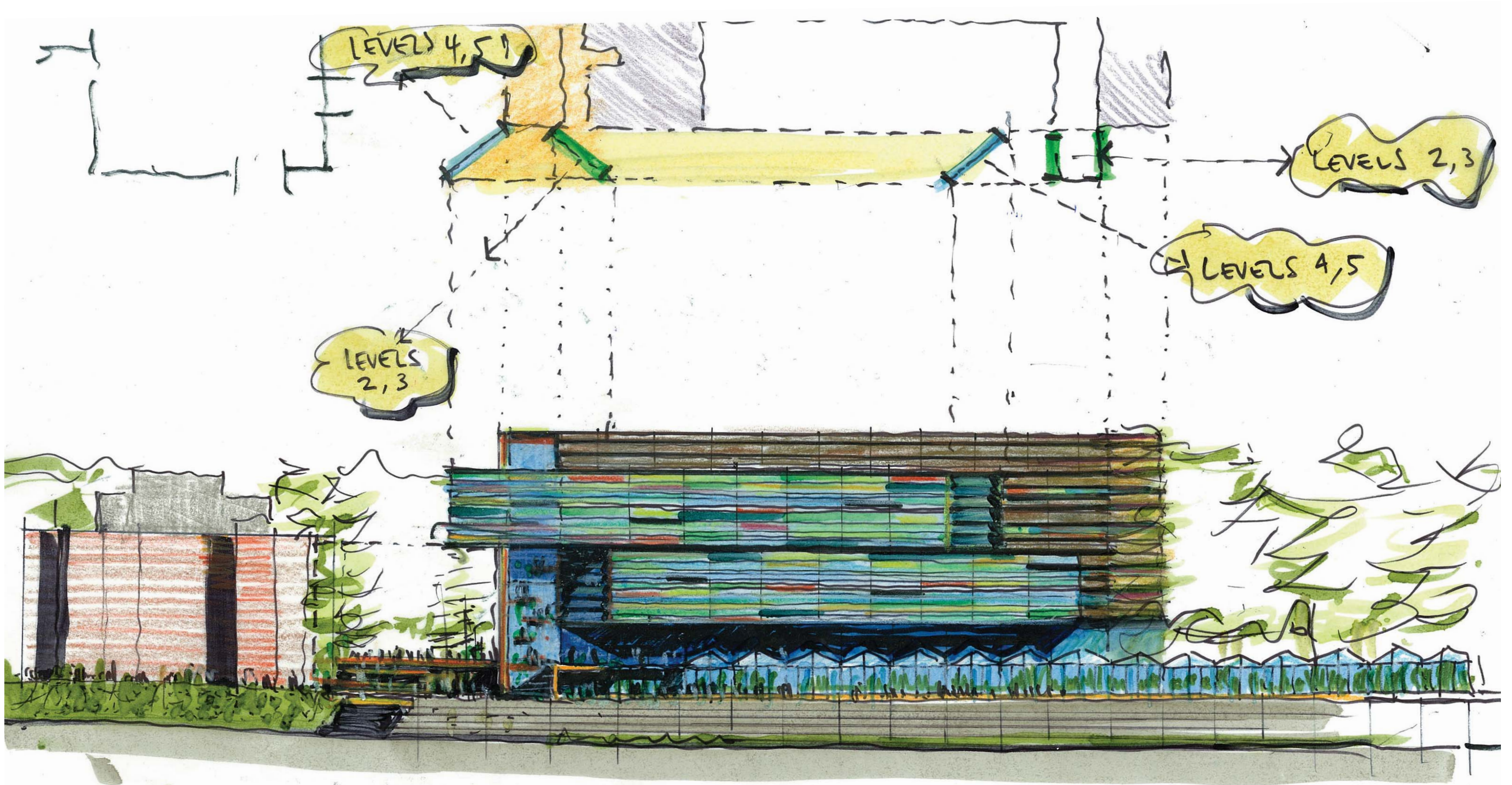


PRODUCTS/MATERIALS

- Okalux
- Aluminum







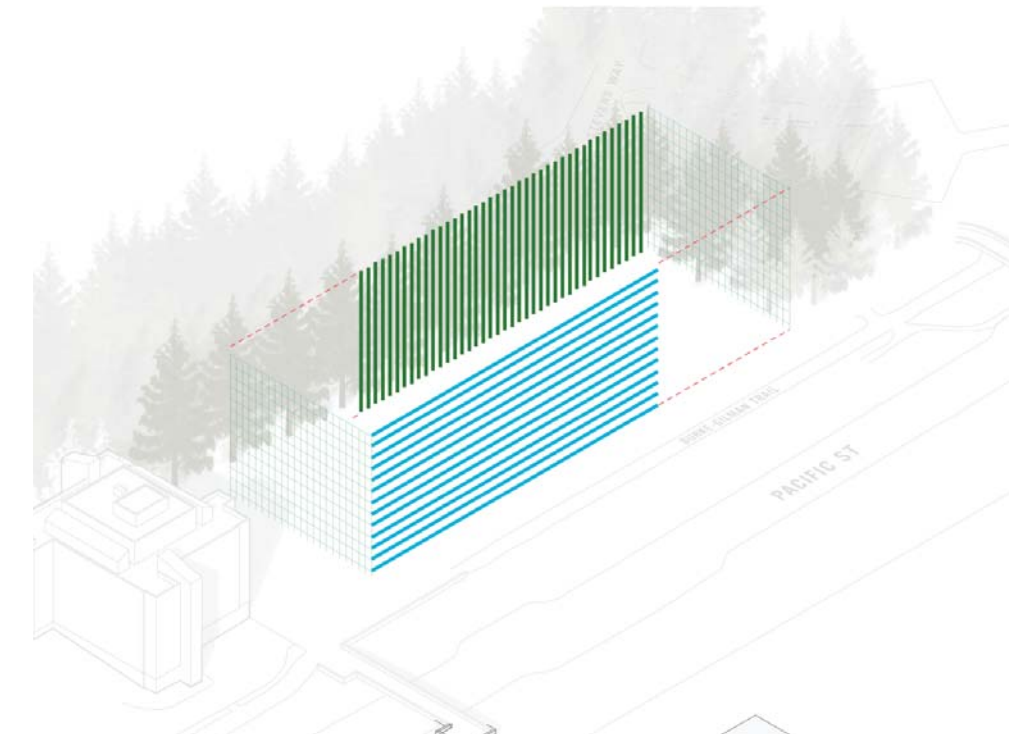
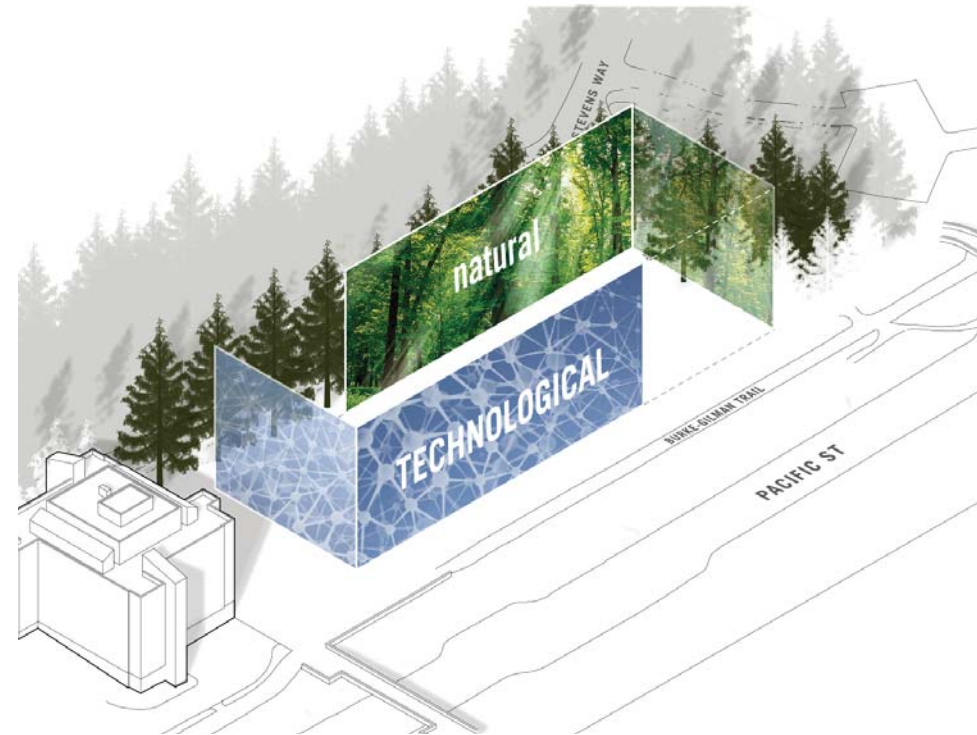
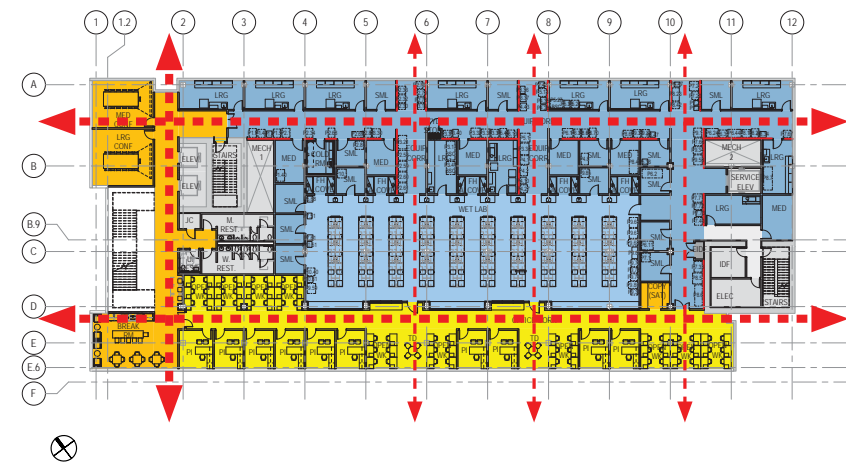
NORTH ELEVATION SKIN

NATURAL

VERTICAL

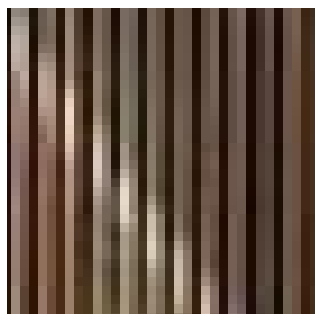
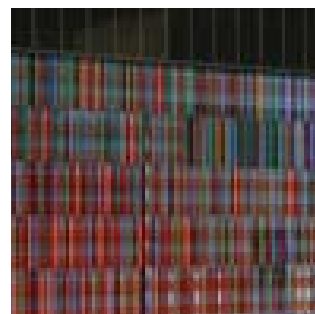
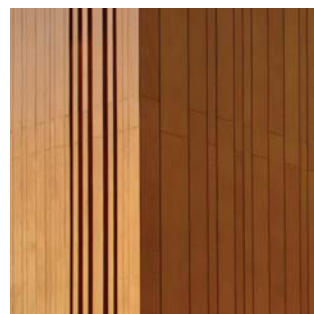


North



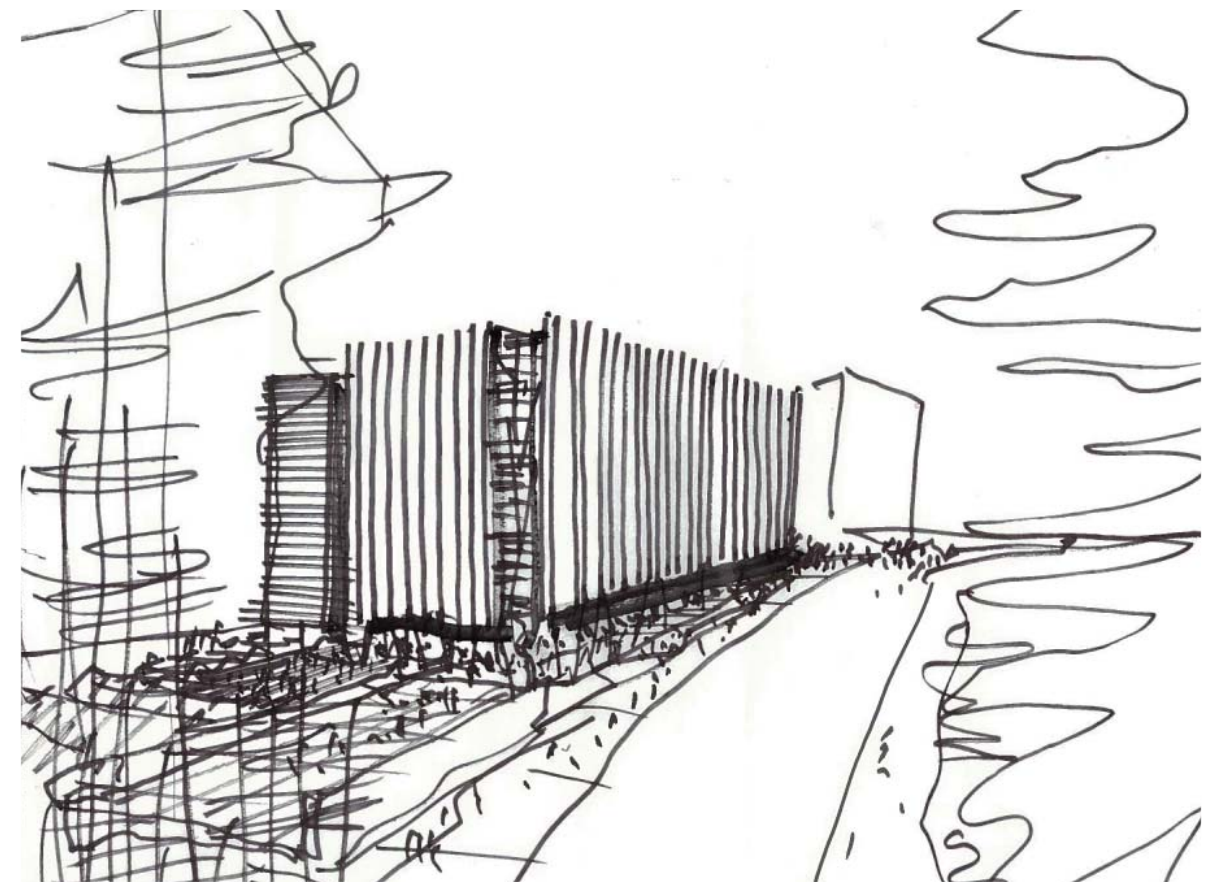
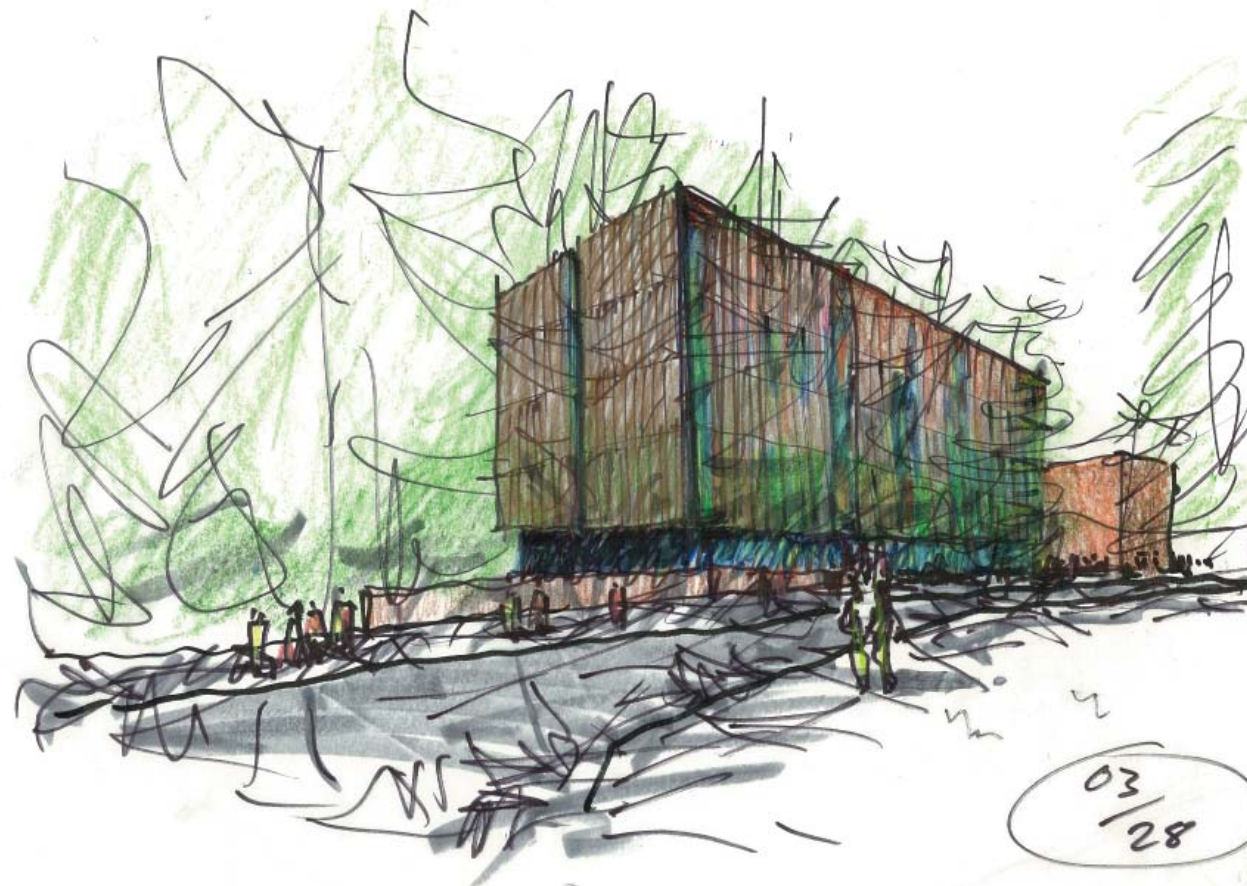
CHARACTER

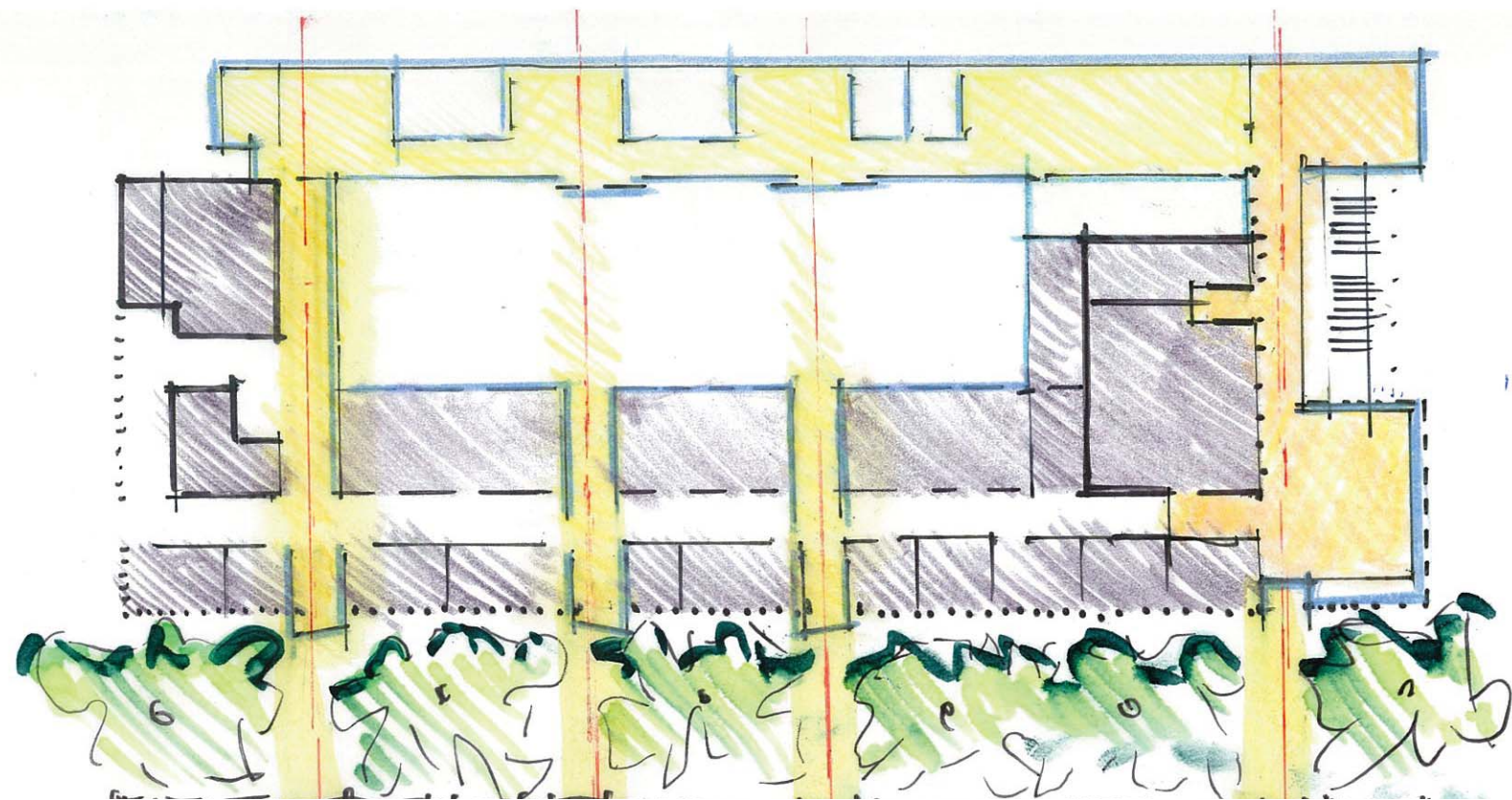
- Natural
- Filtering of Light
- Camouflaged Visibility
- Verticality
- Textural

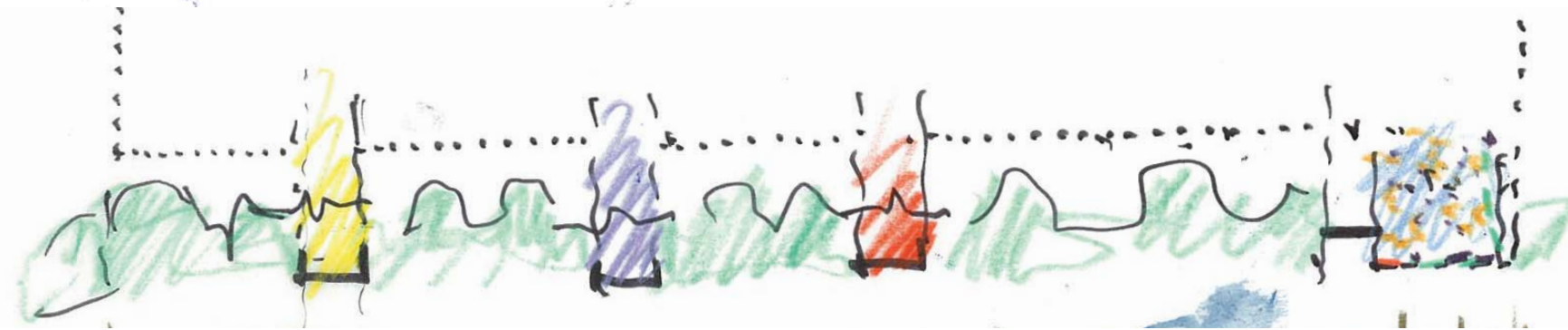


PRODUCTS/MATERIALS

- Parklex - Wood Composite
- Glass



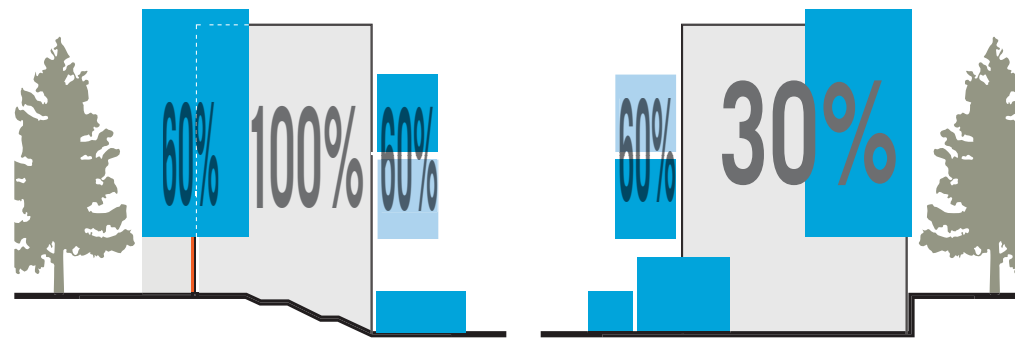




WEST & EAST ELEVATION SKIN

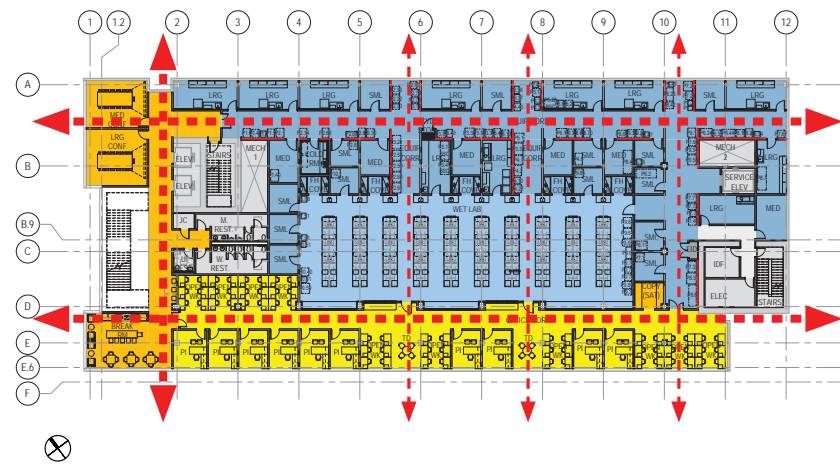
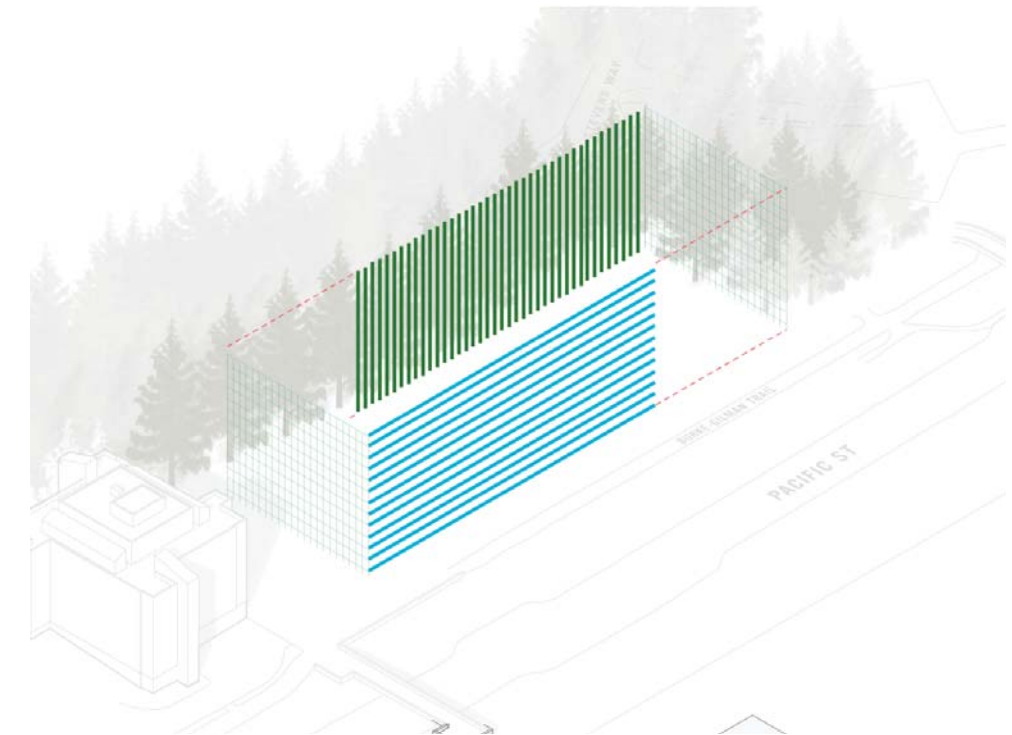
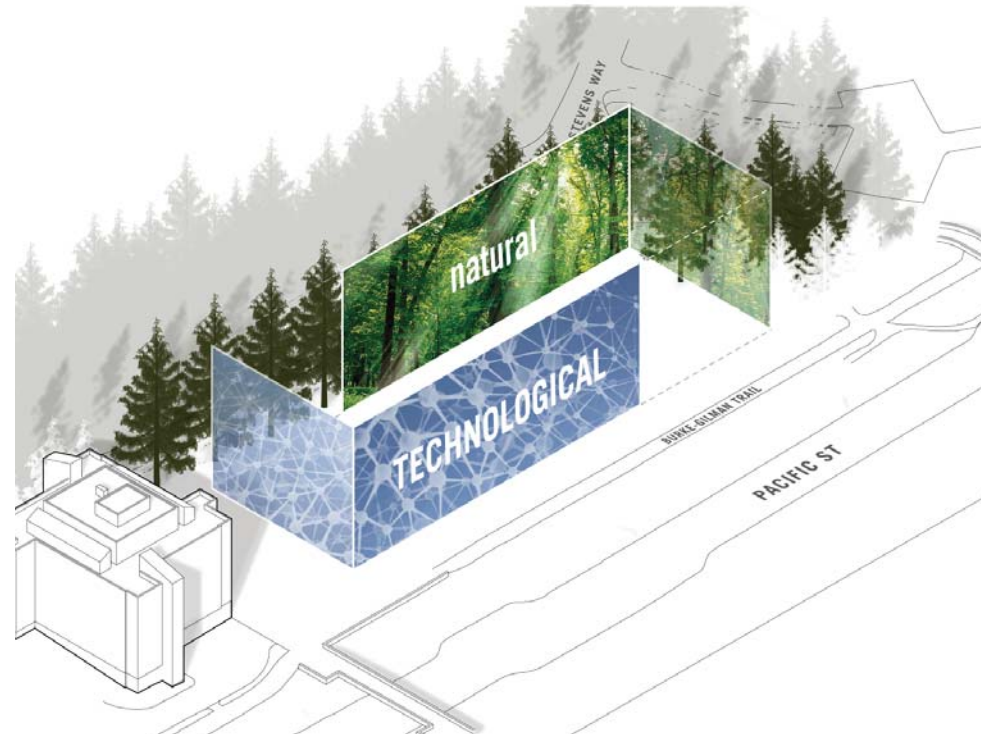
NATURAL

VERTICAL



West

East



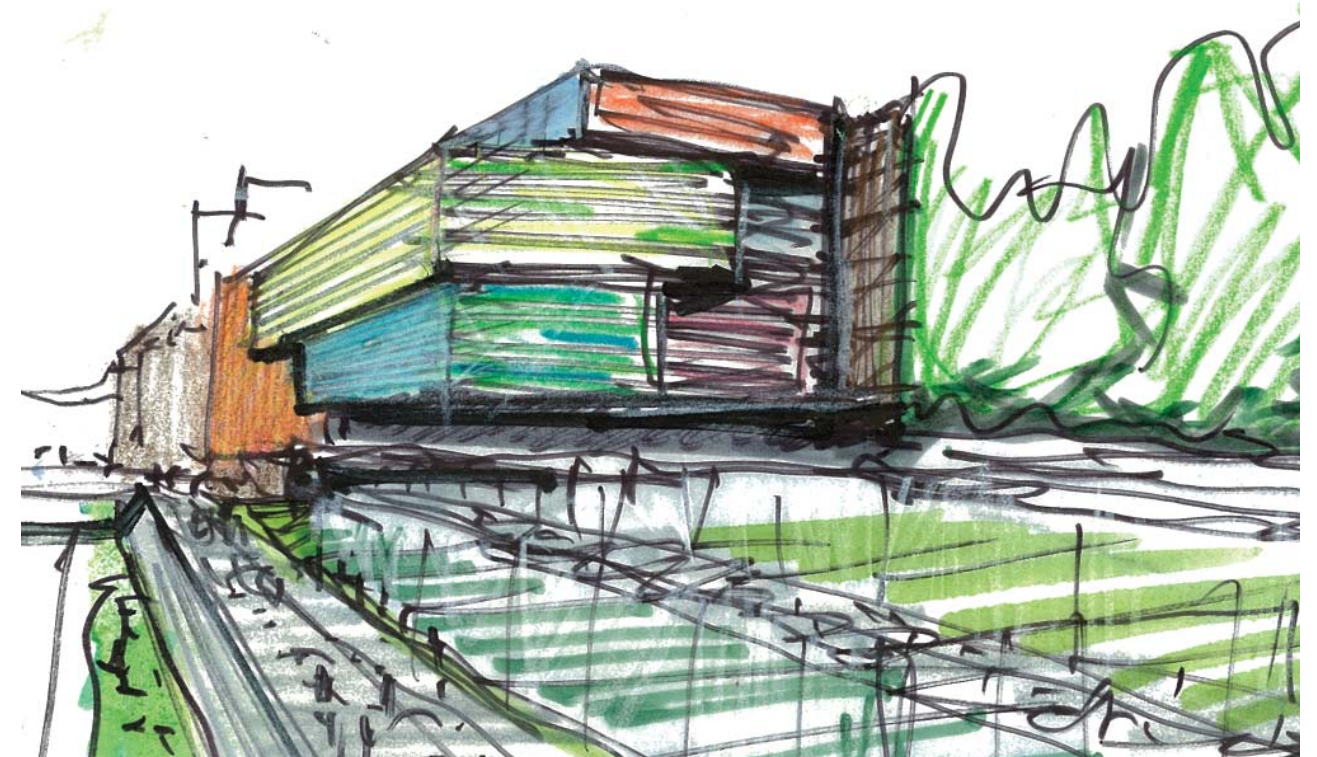
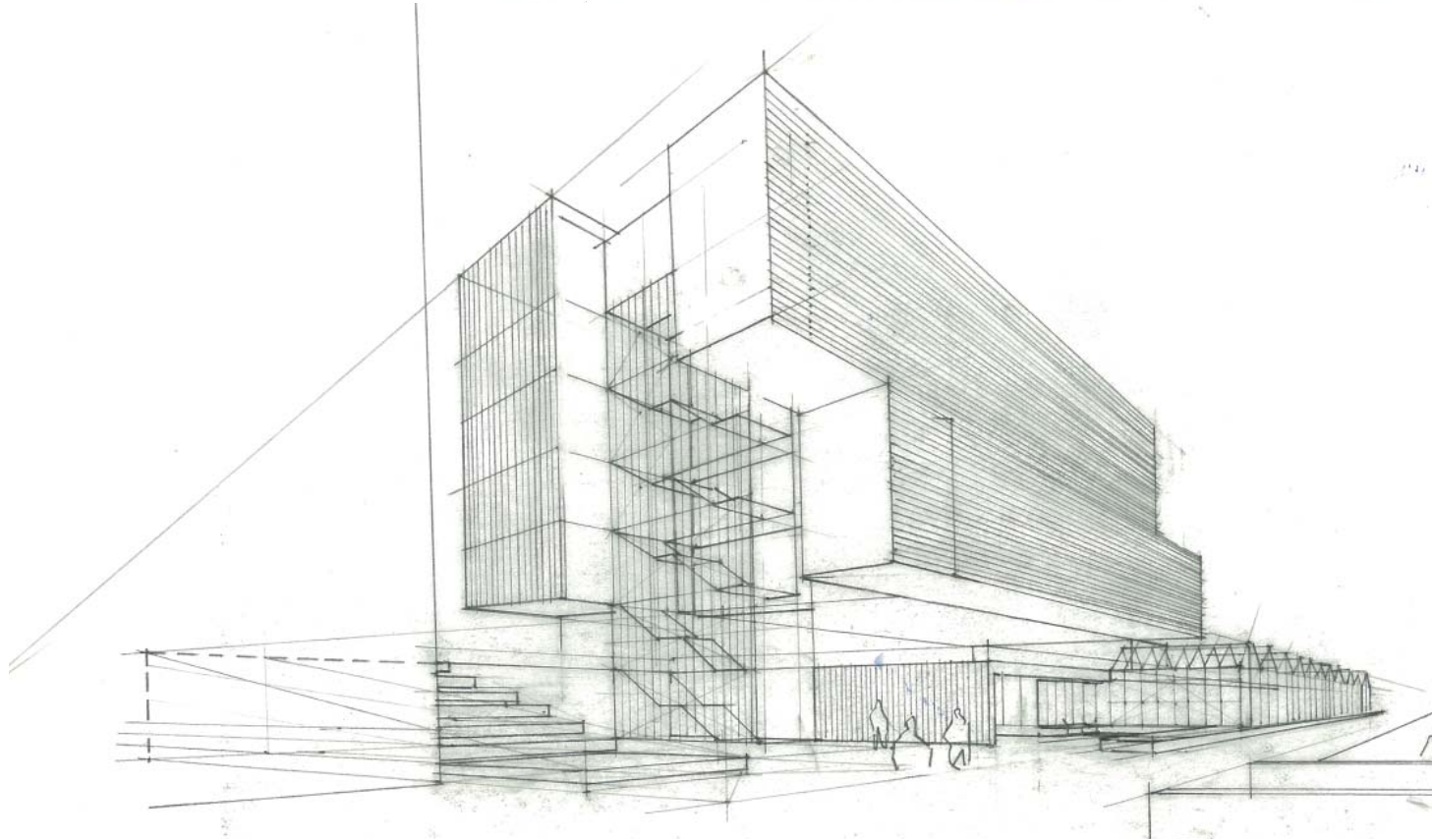
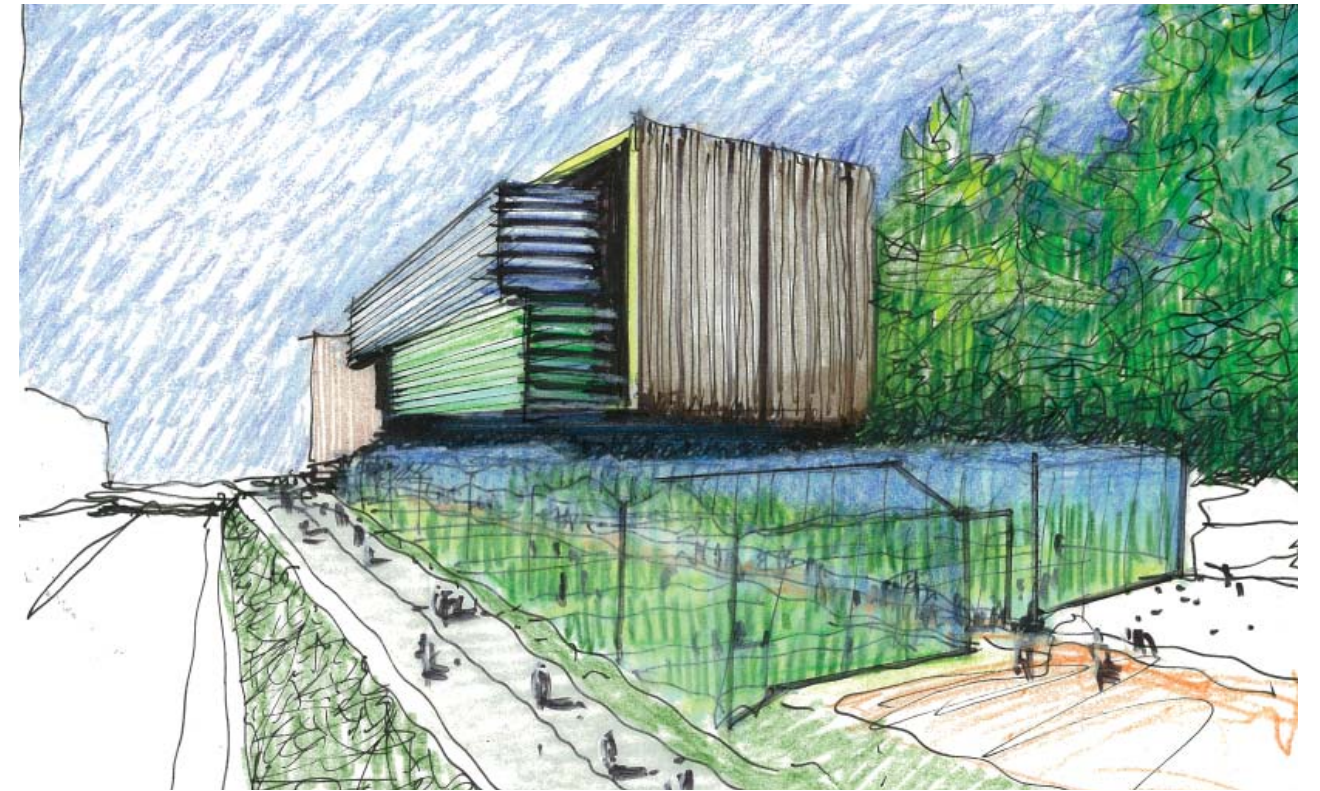
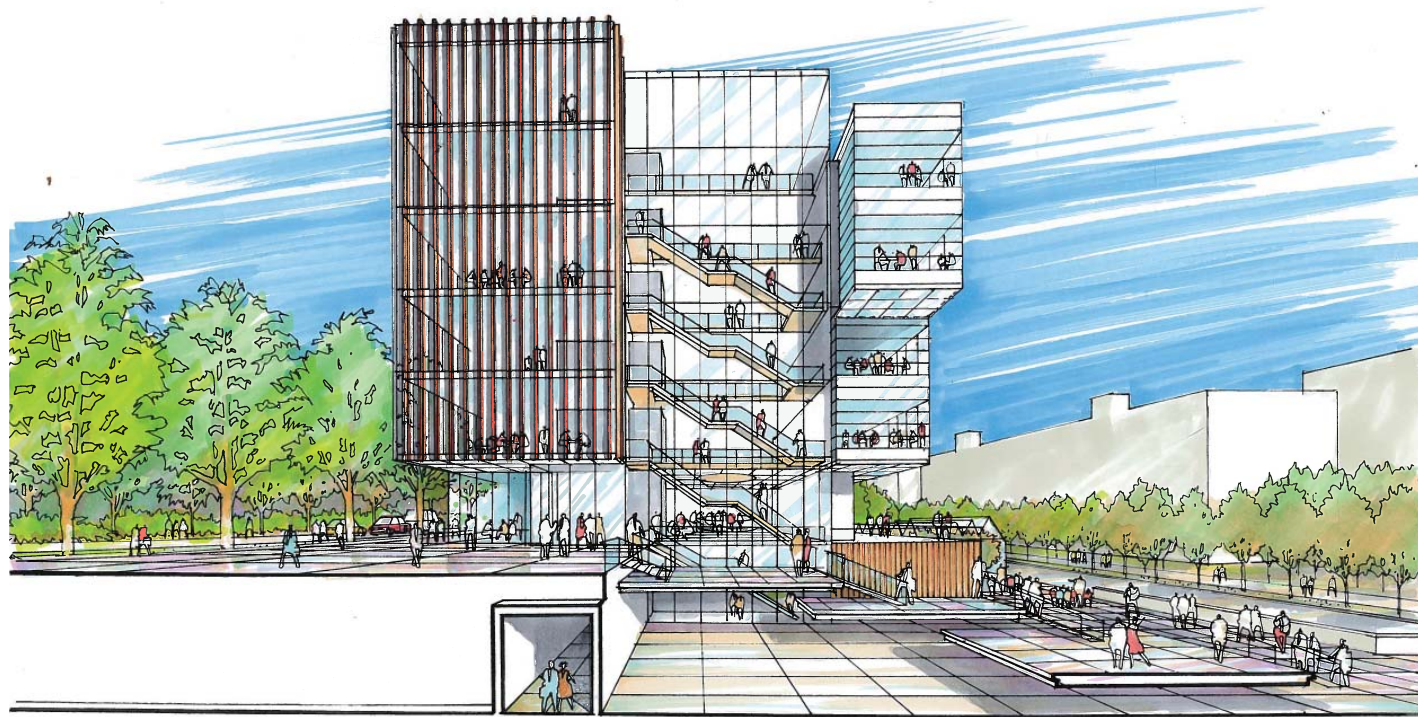
TECHNOLOGICAL

HORIZONTAL



PRODUCTS/MATERIALS

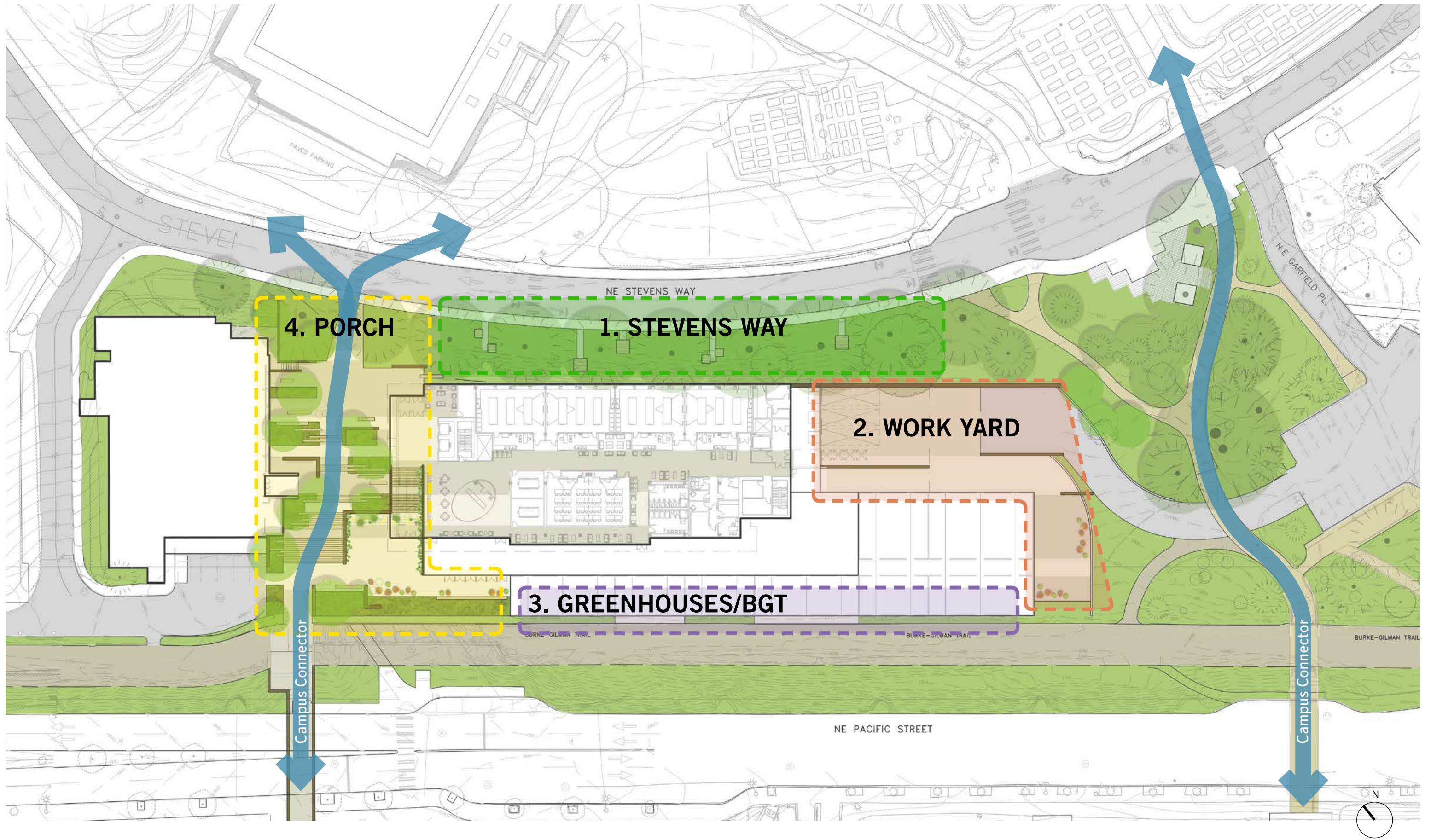
- Parklex - Wood Composite
- Metal Panel
- Glass
- Aluminum

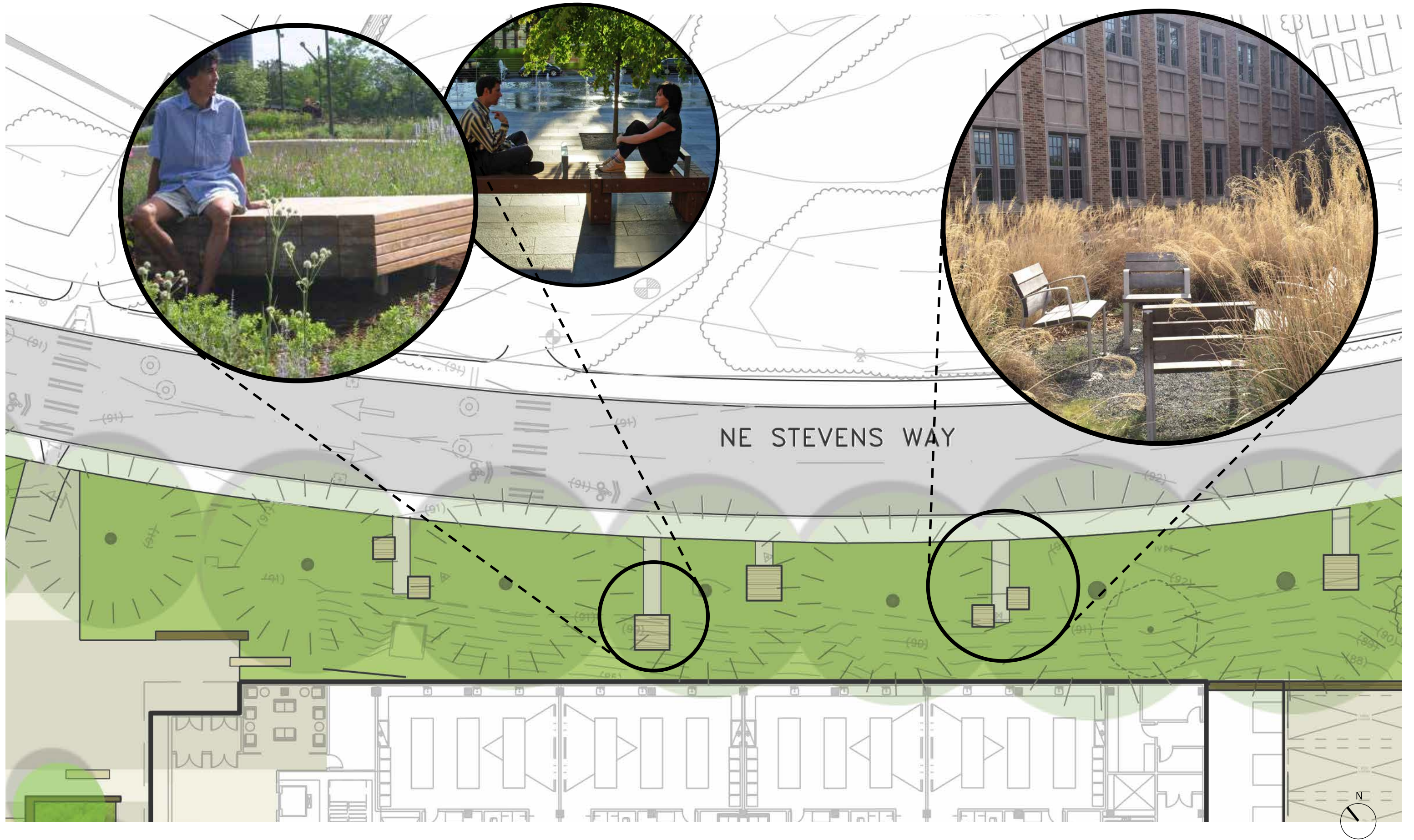


4. LANDSCAPE

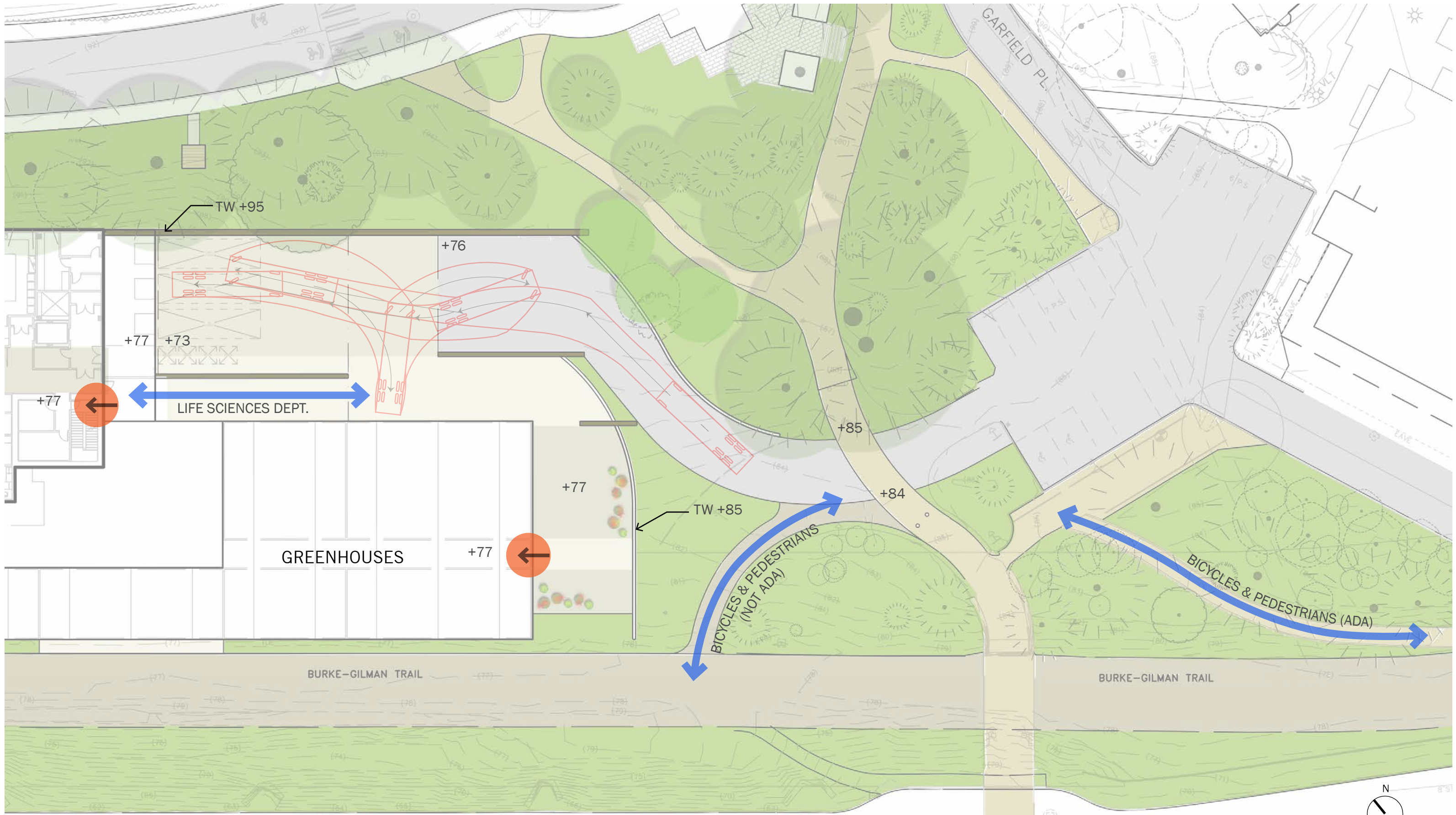
HABITAT BIODIVERSITY CORRIDORS & NODES

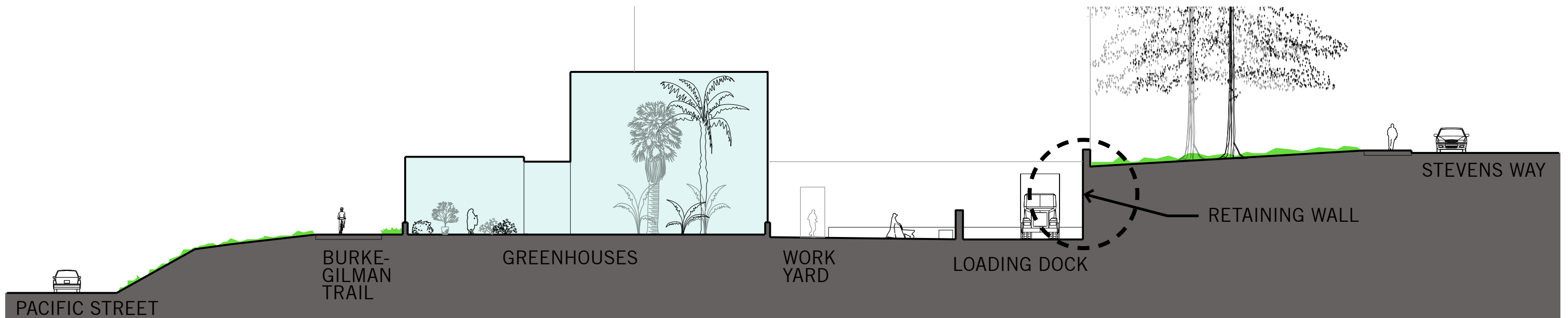
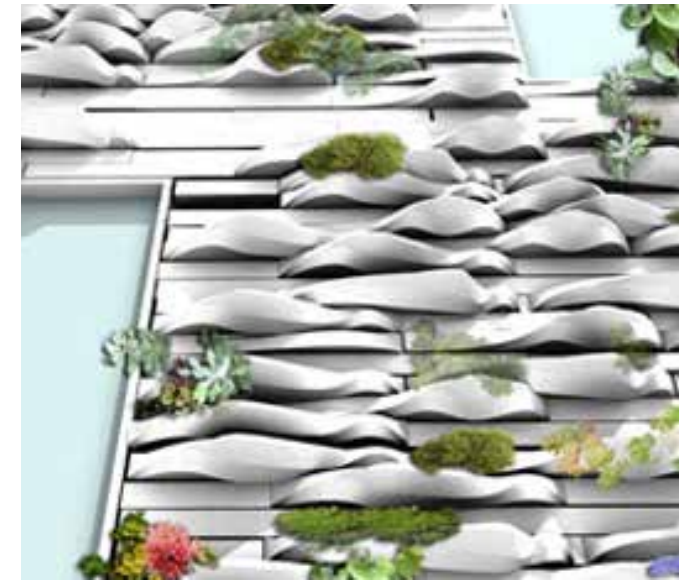
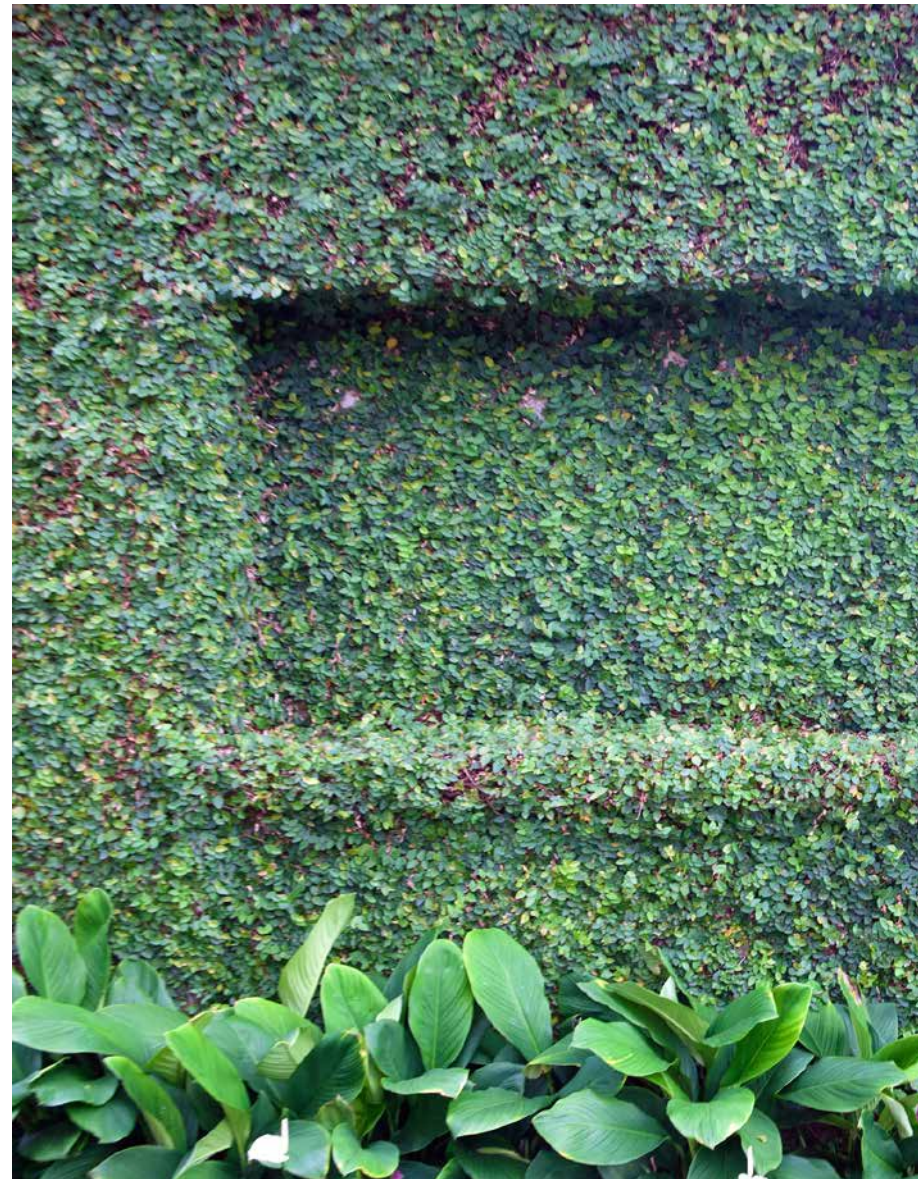










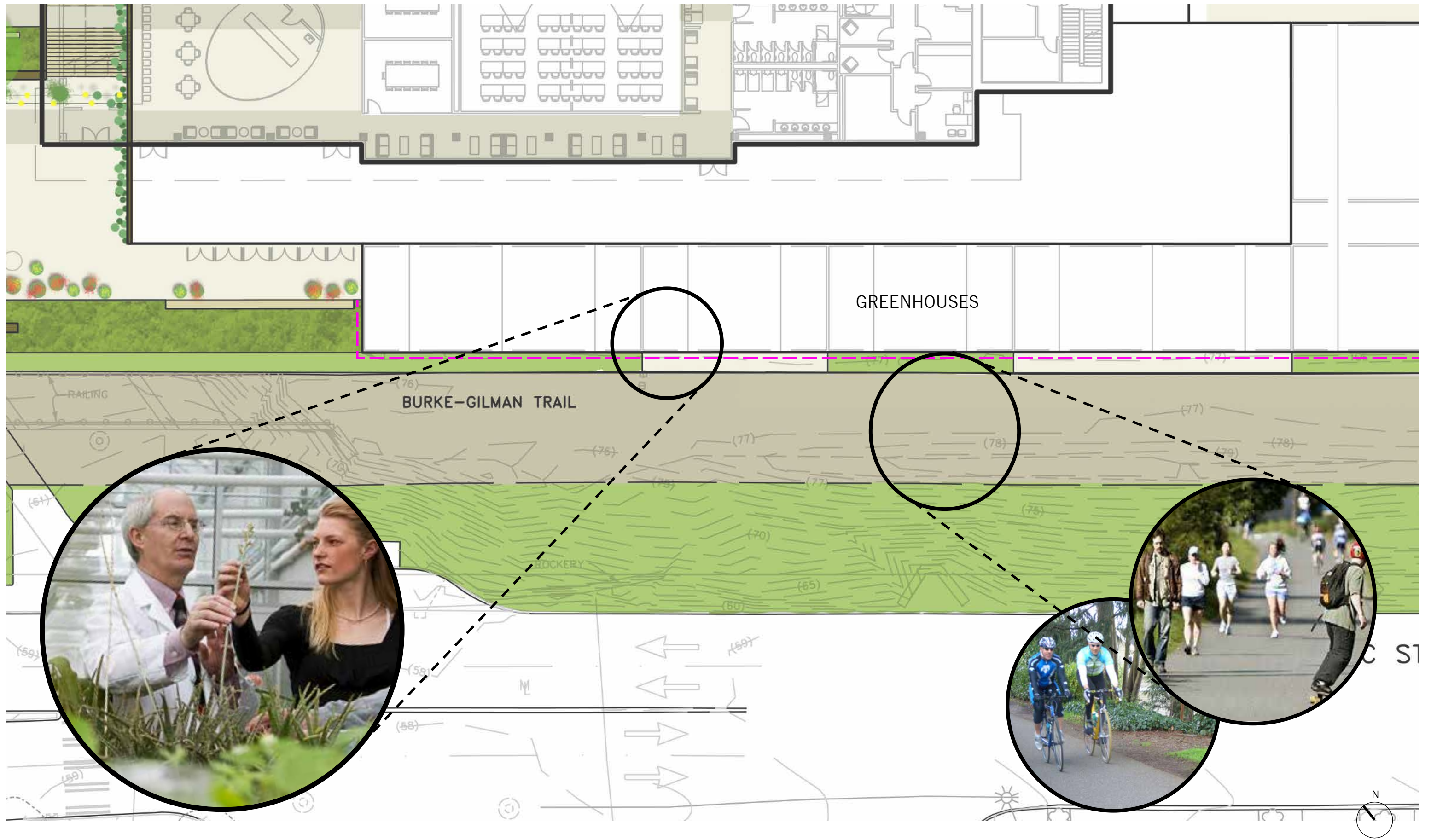


Retaining Wall // Wall As Habitat

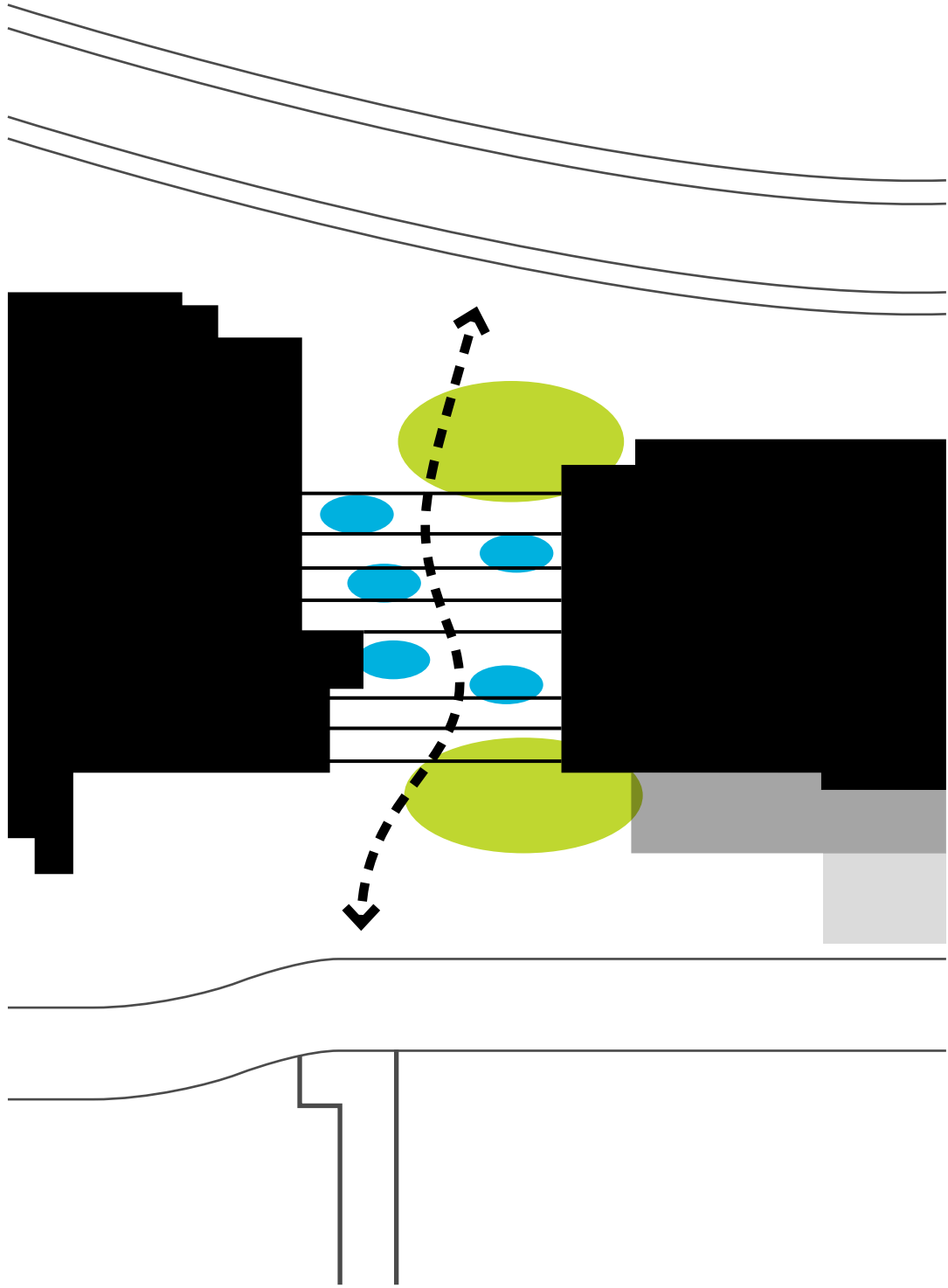
University of Washington Life Sciences Building

GUSTAFSON GUTHRIE NICHOL

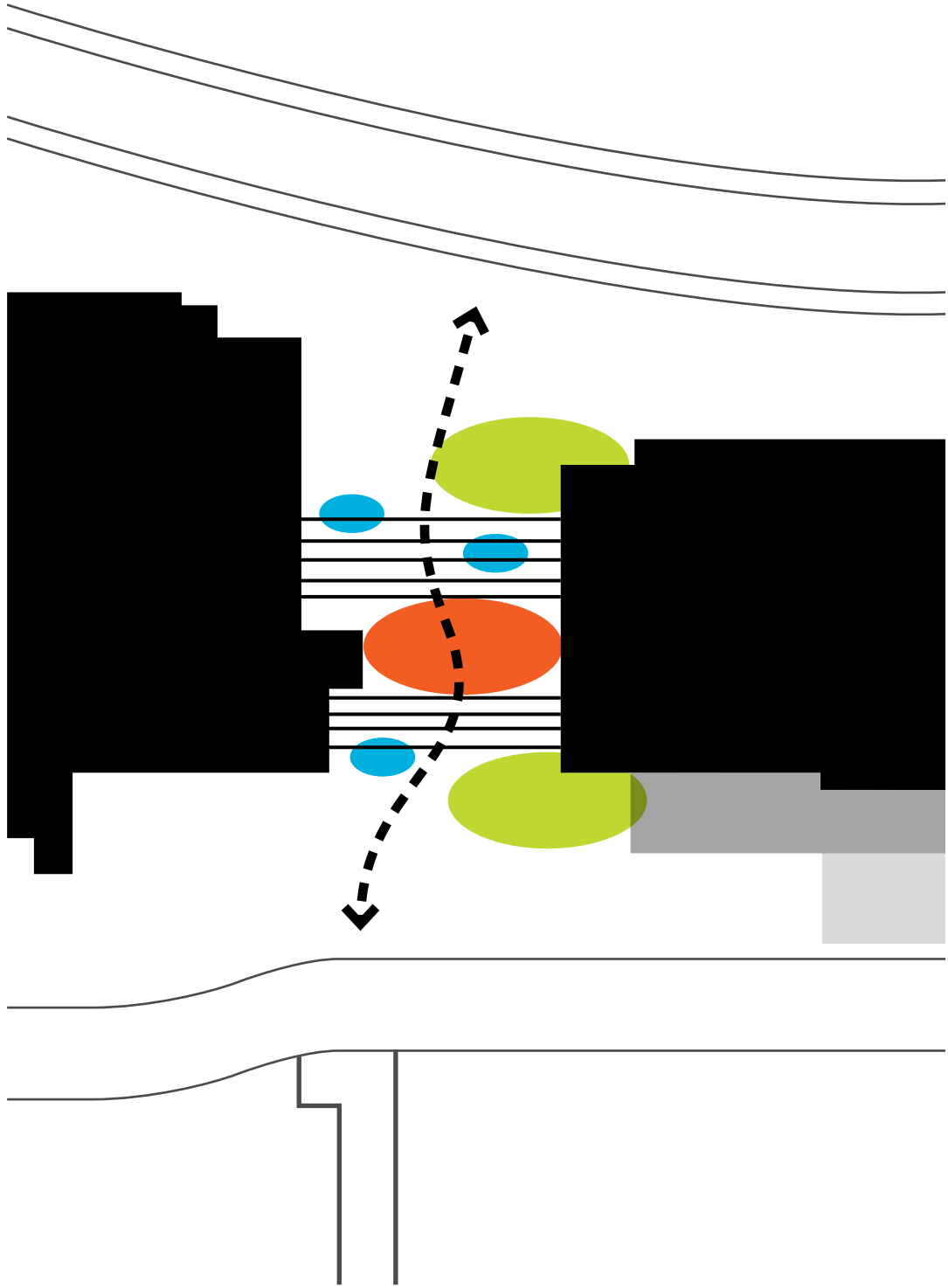
PERKINS+WILL



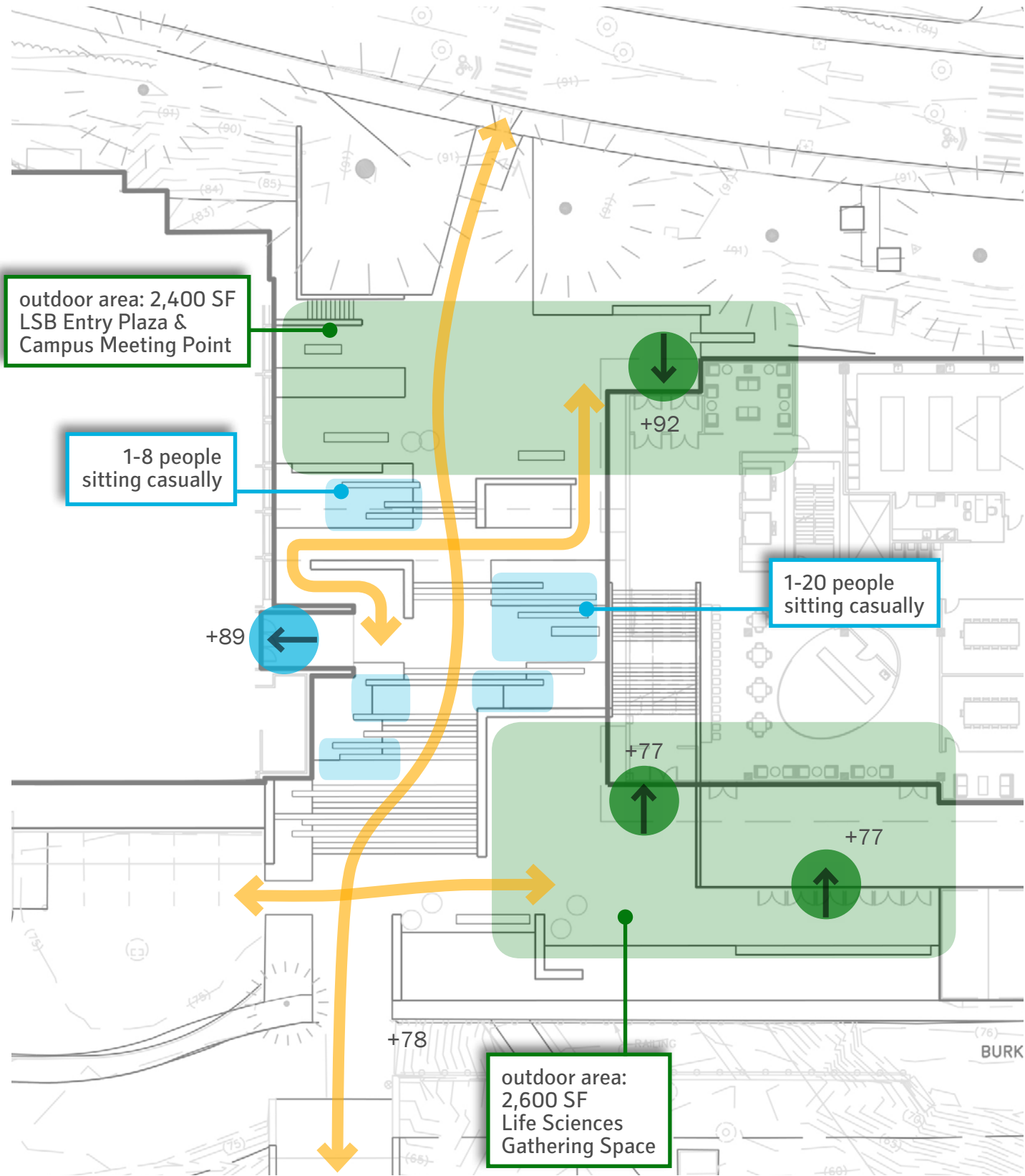
Scheme 1 - Campus Wildlife Corridor



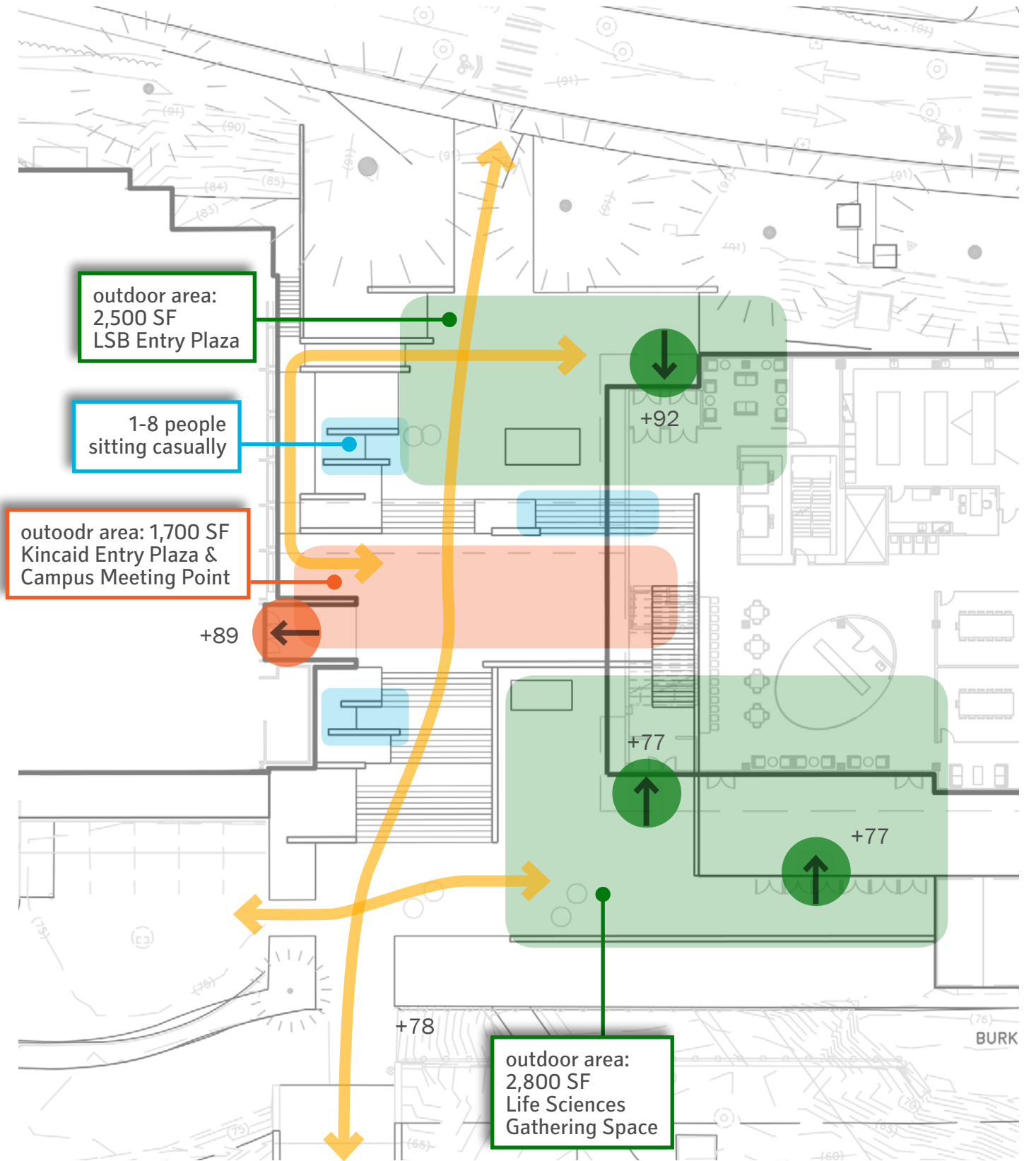
Scheme 2 - Watering Hole



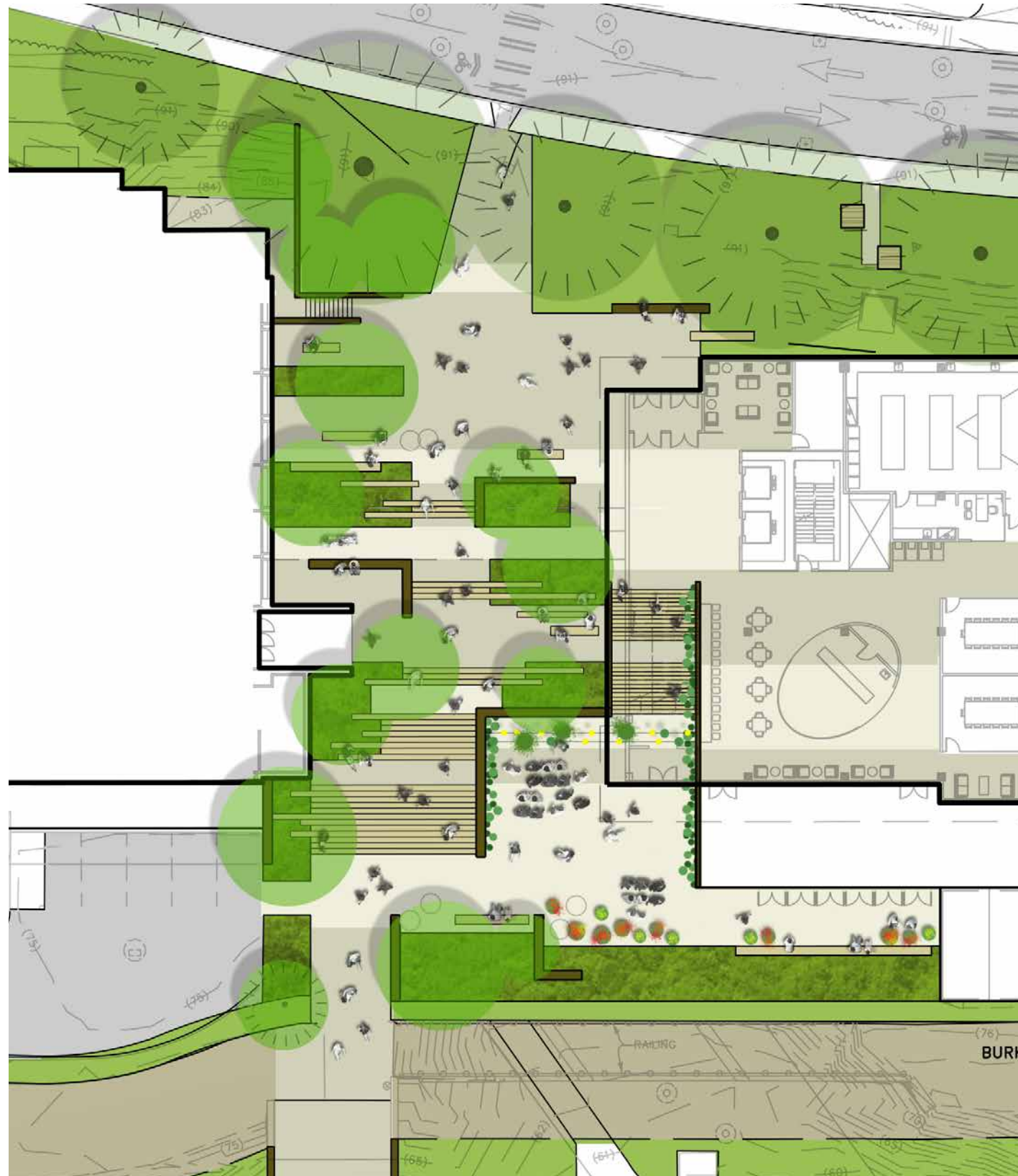
Scheme 1 - Campus Wildlife Corridor



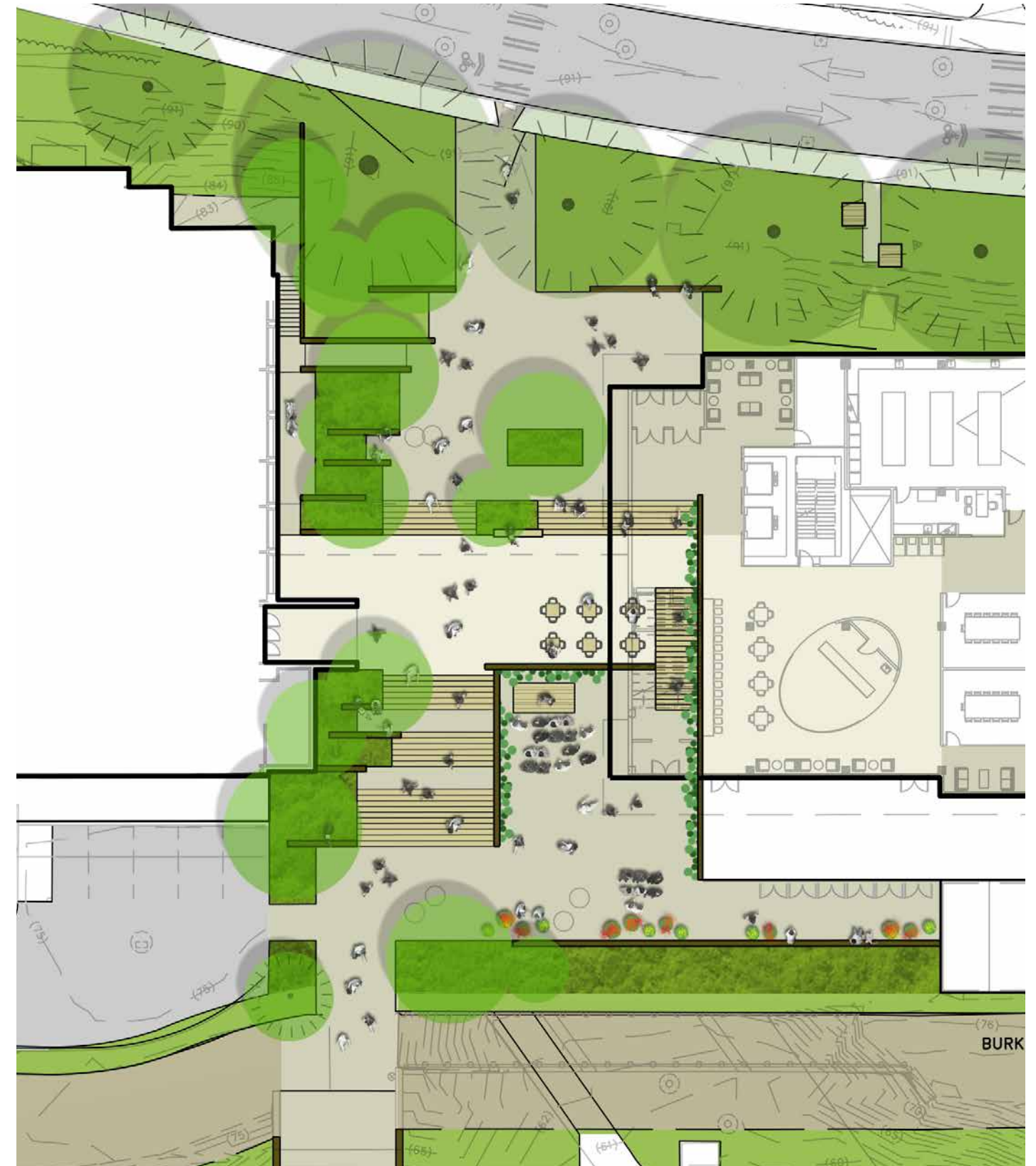
Scheme 2 - Watering Hole

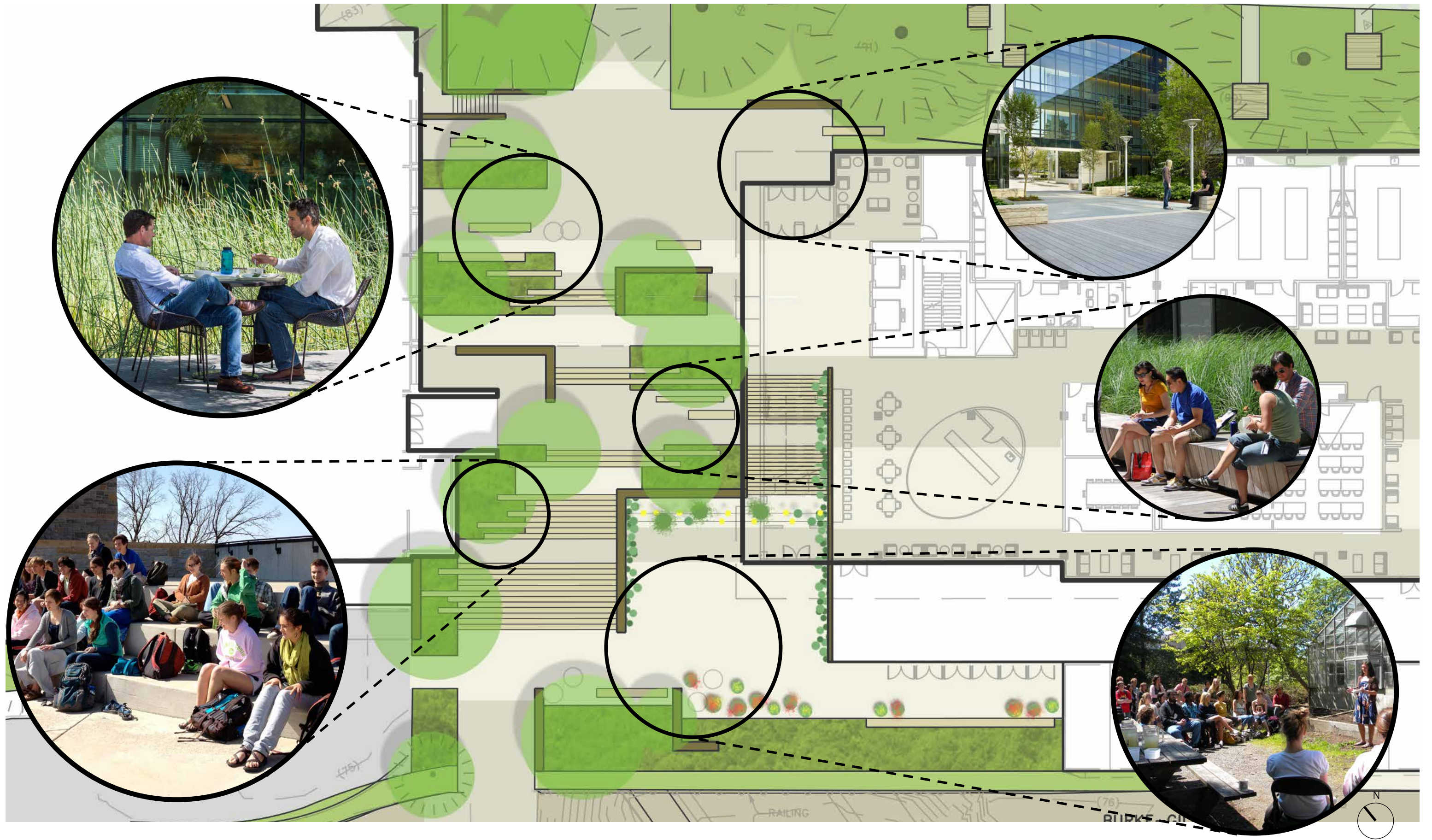


Scheme 1 - Campus Wildlife Corridor



Scheme 2 - Watering Hole







Porch // View Looking North

University of Washington Life Sciences Building

GUSTAFSON GUTHRIE NICHOL

PERKINS+WILL



South West Elevation Concept

