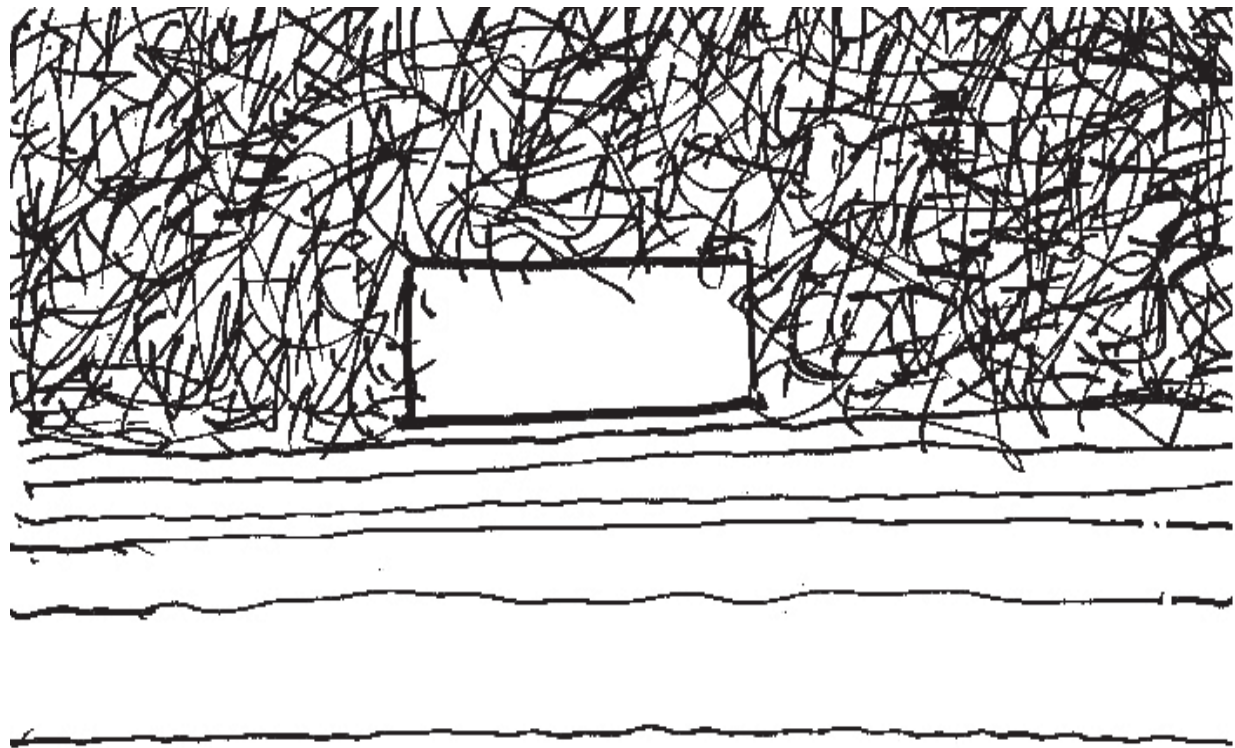
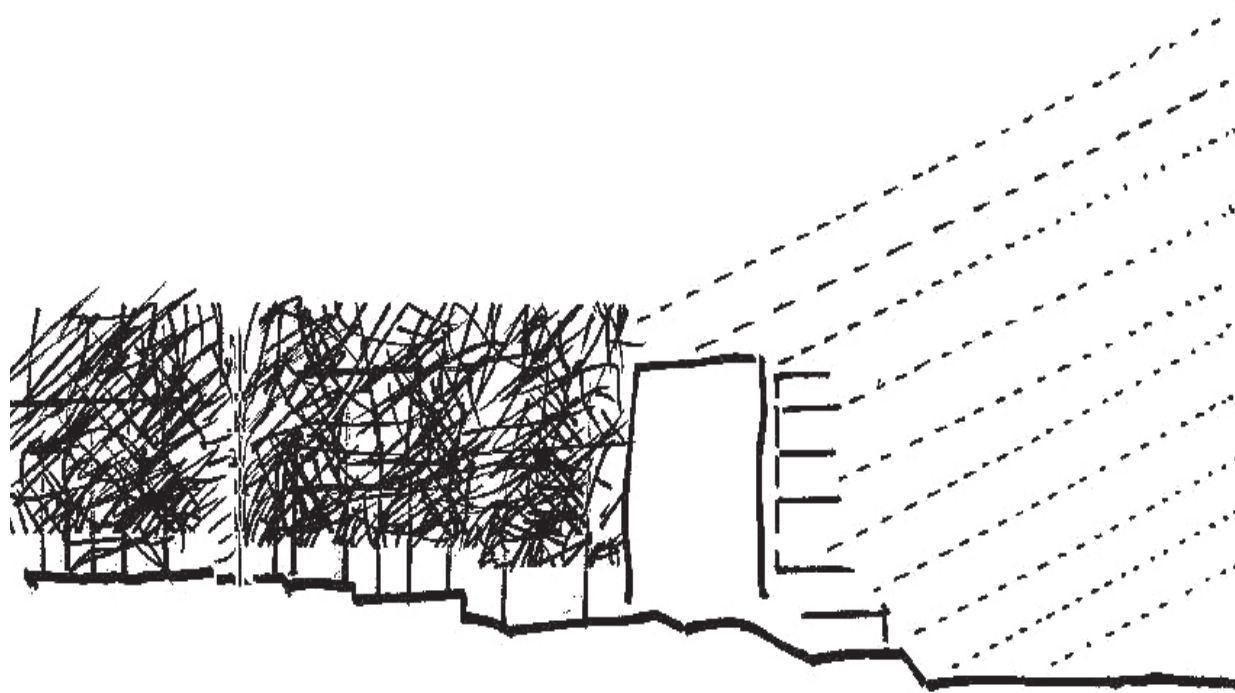


UNIVERSITY OF WASHINGTON LIFE SCIENCES BUILDING ARCHITECTURAL COMMISSION

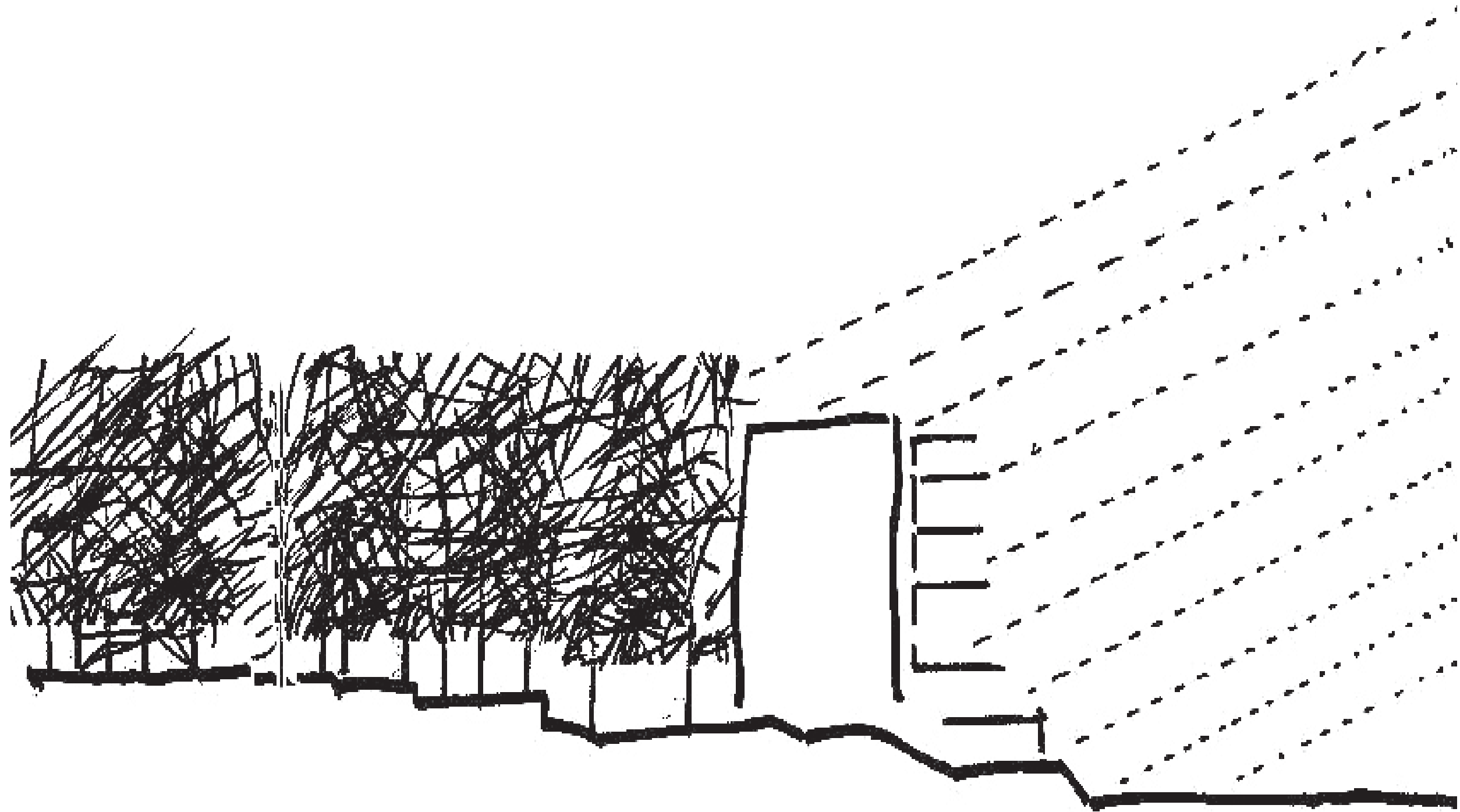
06/29/2015

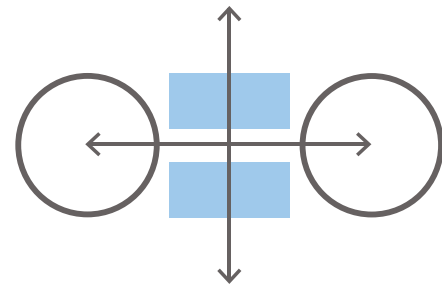


06.29.15 UNIVERSITY OF WASHINGTON ARCHITECTURAL COMMISSION

1. DESIGN NARRATIVE + CONCEPT
2. AC COMMENTS FROM 4/28 + SD RECAP
3. SITE DESIGN
4. INTERIOR PLANNING + CONCEPTS
5. EXTERIOR DESIGN

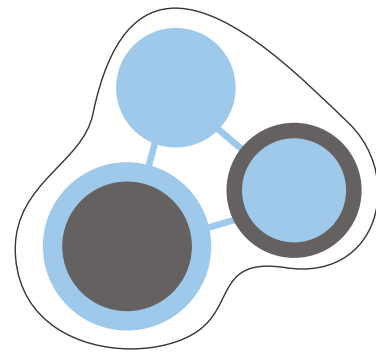
1. DESIGN NARRATIVE + CONCEPTS





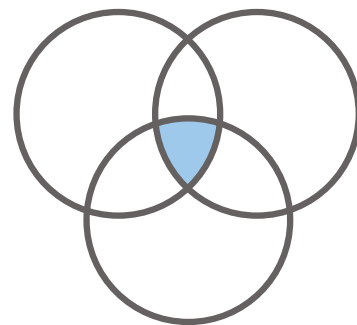
SCIENCE IS A GATEWAY

- **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

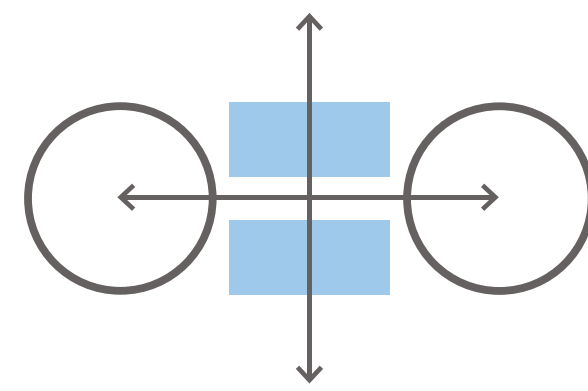
- **Open & collaborative** labs for students and faculty
- **Open & welcoming** public space
- **Memorable** building and landscape that leads into the future

PROJECT DELIVERY

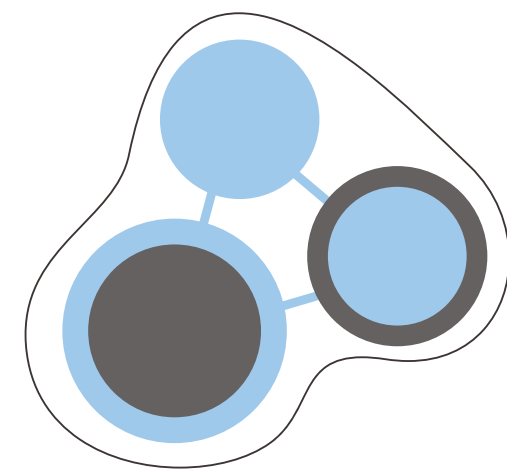
- **LEED Gold** minimum and 2030 Energy Challenge
- **Integrative project management** to meet design and program objectives



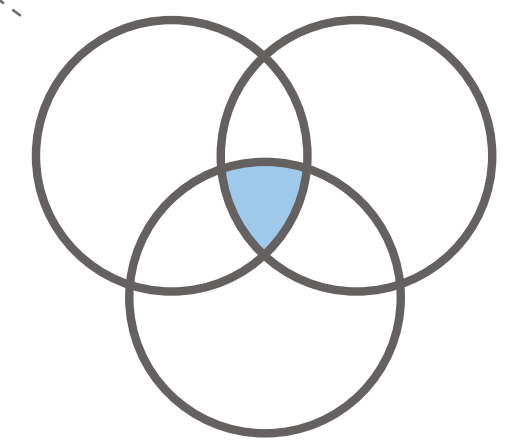
LIFE
SCIENCES



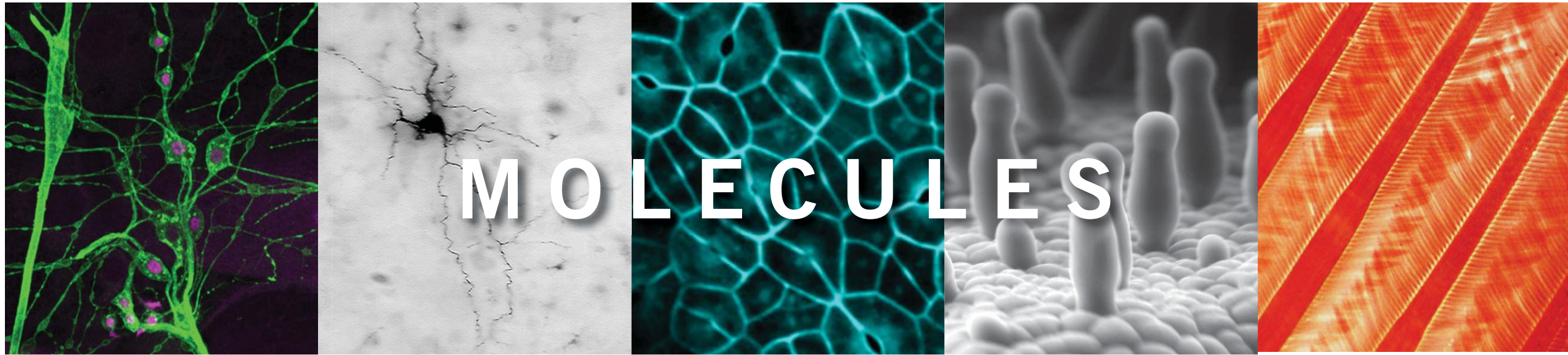
SCIENCE IS A GATEWAY



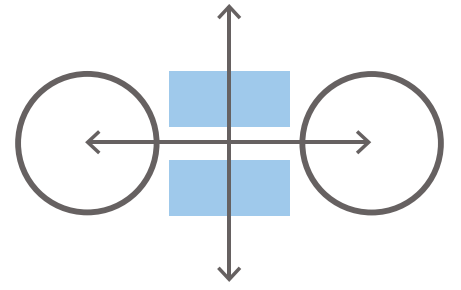
CONNECTIONS



ENGAGEMENTS



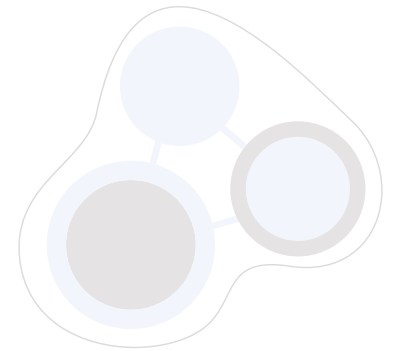
MOLECULES



SCIENCE IS A GATEWAY



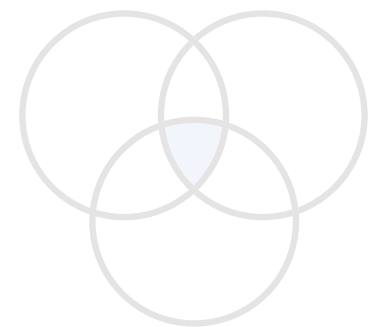
ORGANISMS



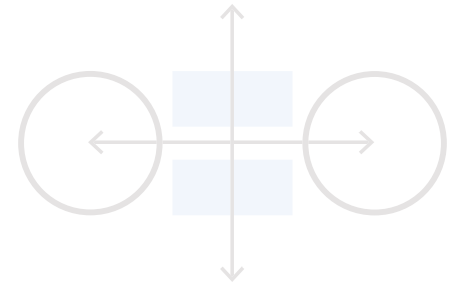
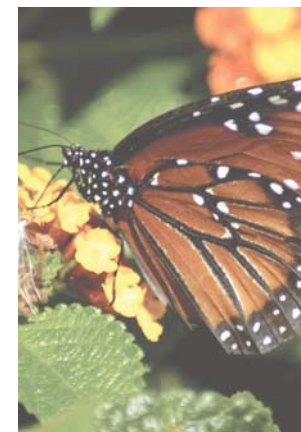
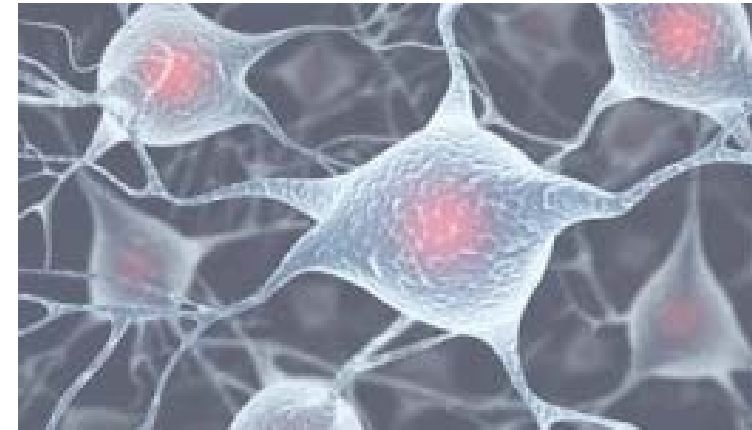
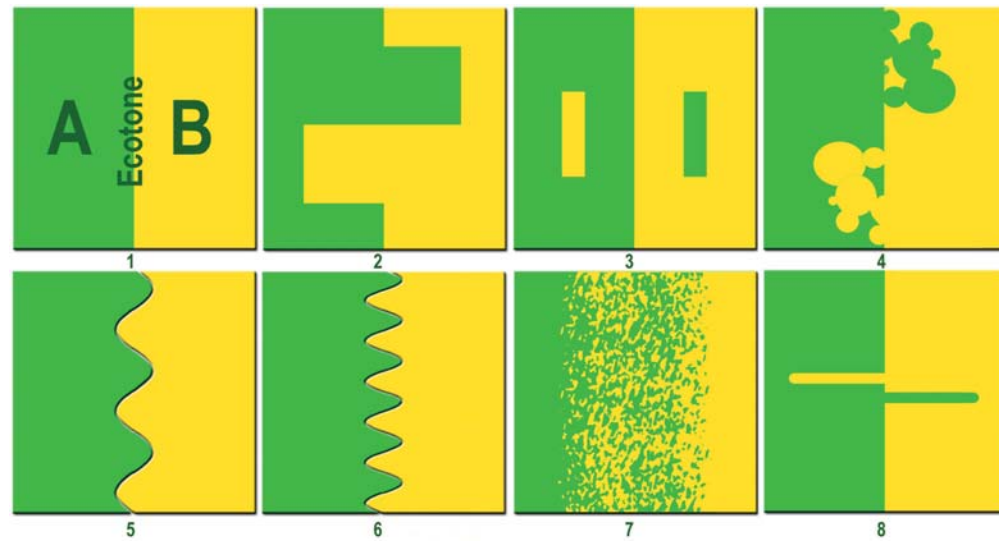
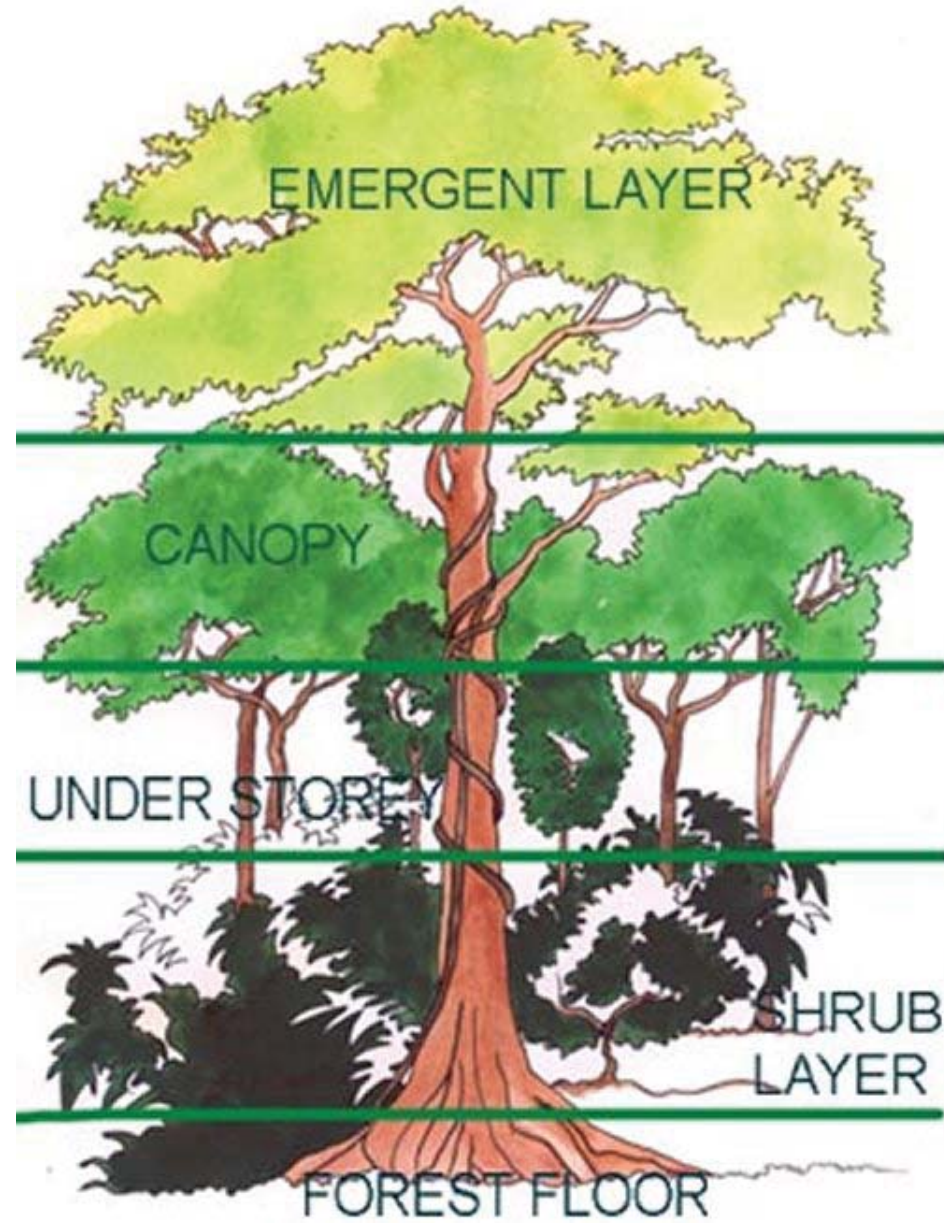
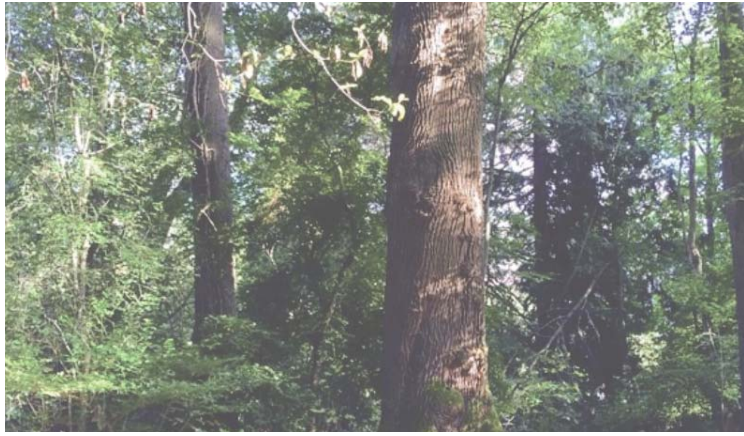
CONNECTIONS



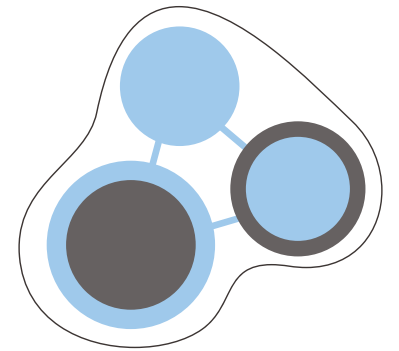
ECOSYSTEMS



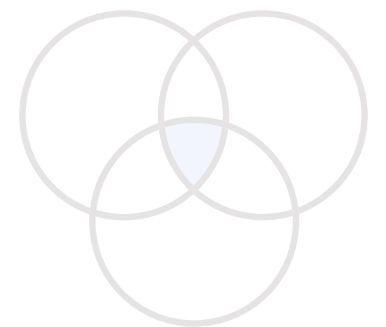
ENGAGEMENTS



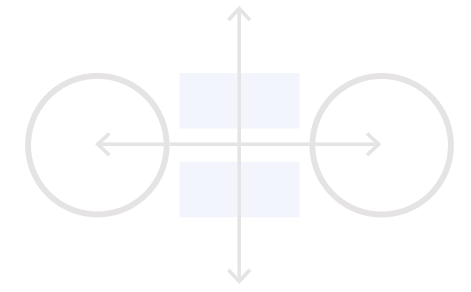
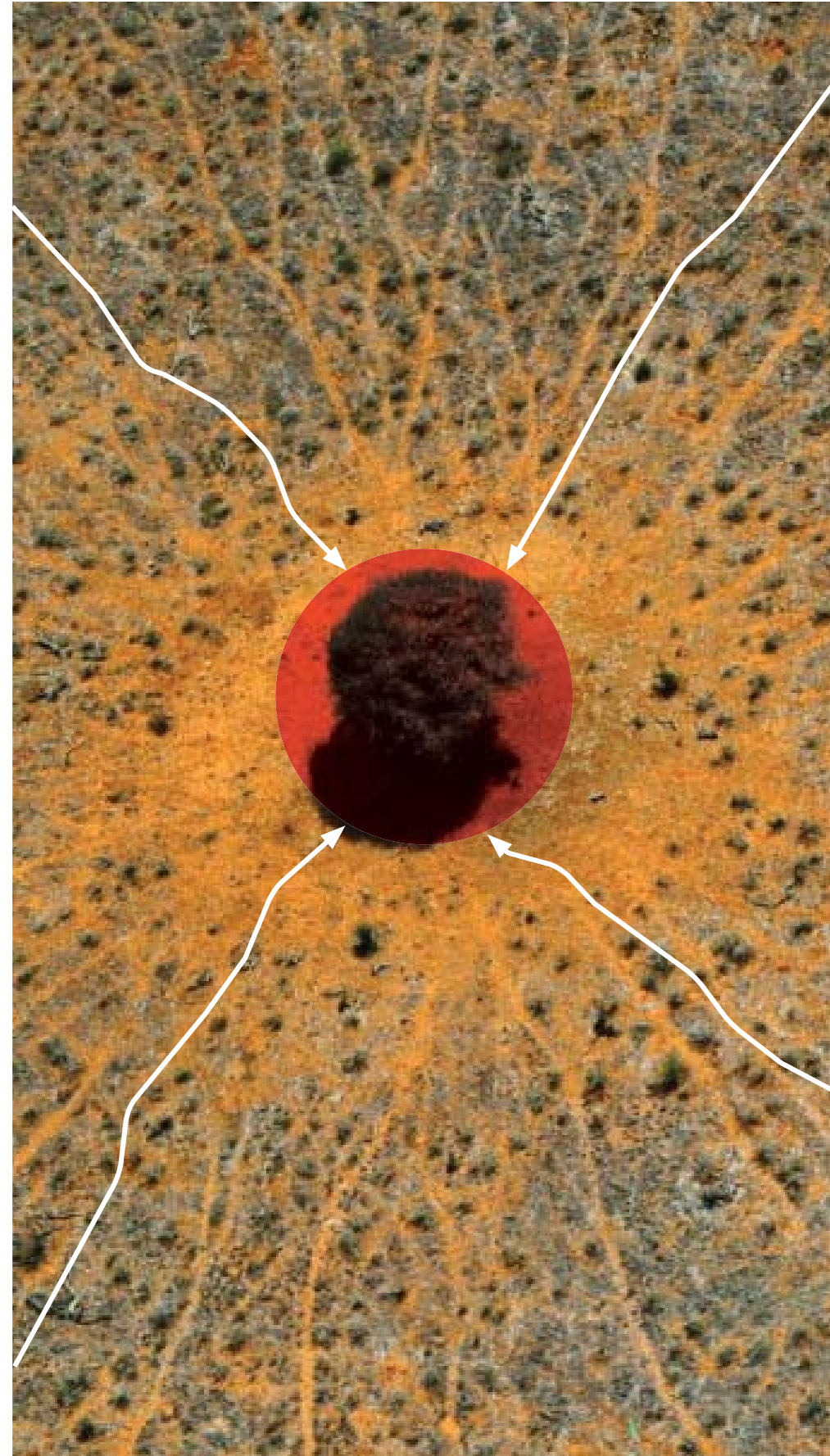
SCIENCE IS A GATEWAY



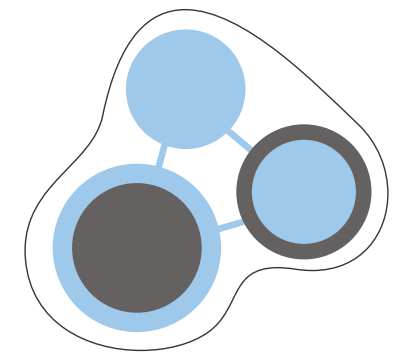
CONNECTIONS



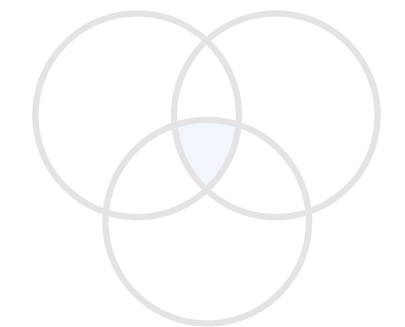
ENGAGEMENTS



SCIENCE IS A GATEWAY

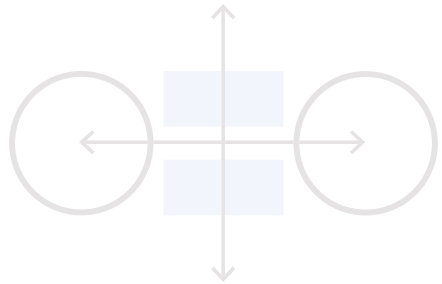
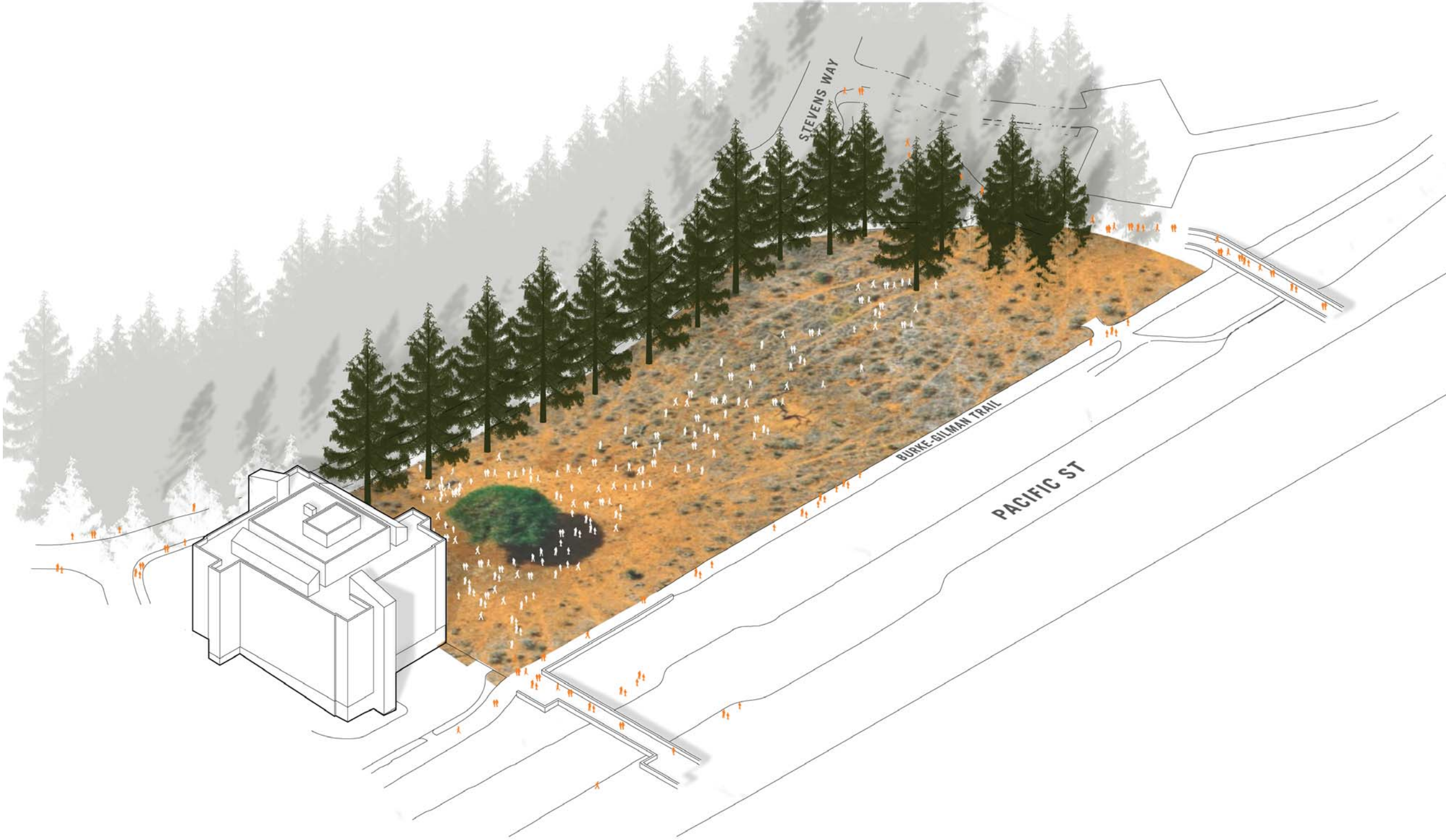


CONNECTIONS

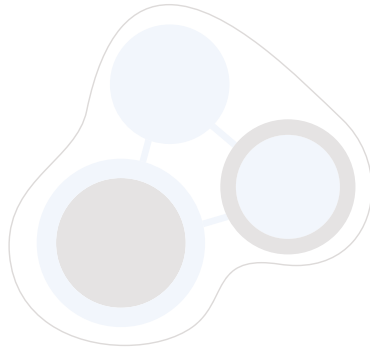


ENGAGEMENTS

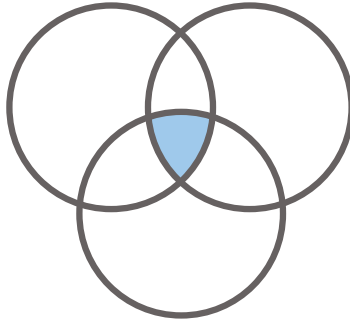
Site = Corridor + Node



SCIENCE IS A GATEWAY

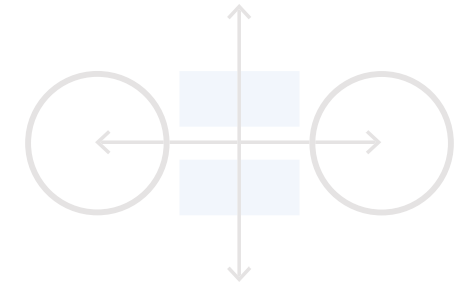


CONNECTIONS

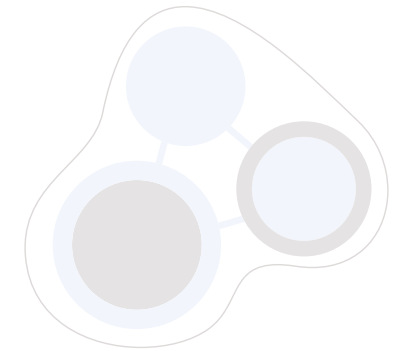


ENGAGEMENTS

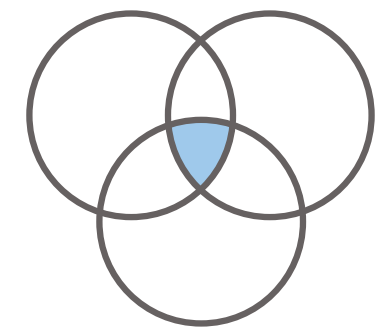
Ecotone = Natural + Technological



SCIENCE IS A GATEWAY

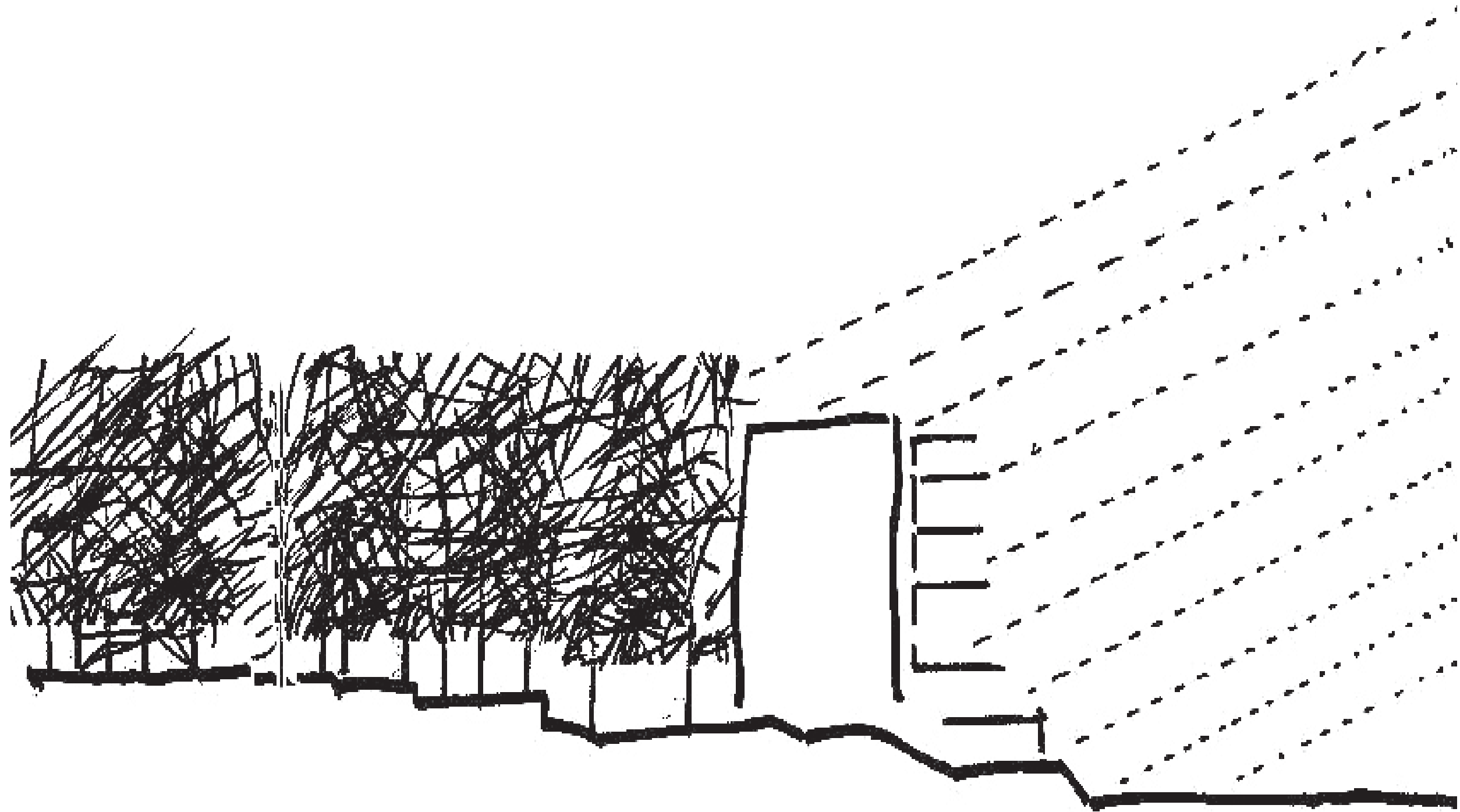


CONNECTIONS



ENGAGEMENTS

2. AC COMMENTS + SD RECAP

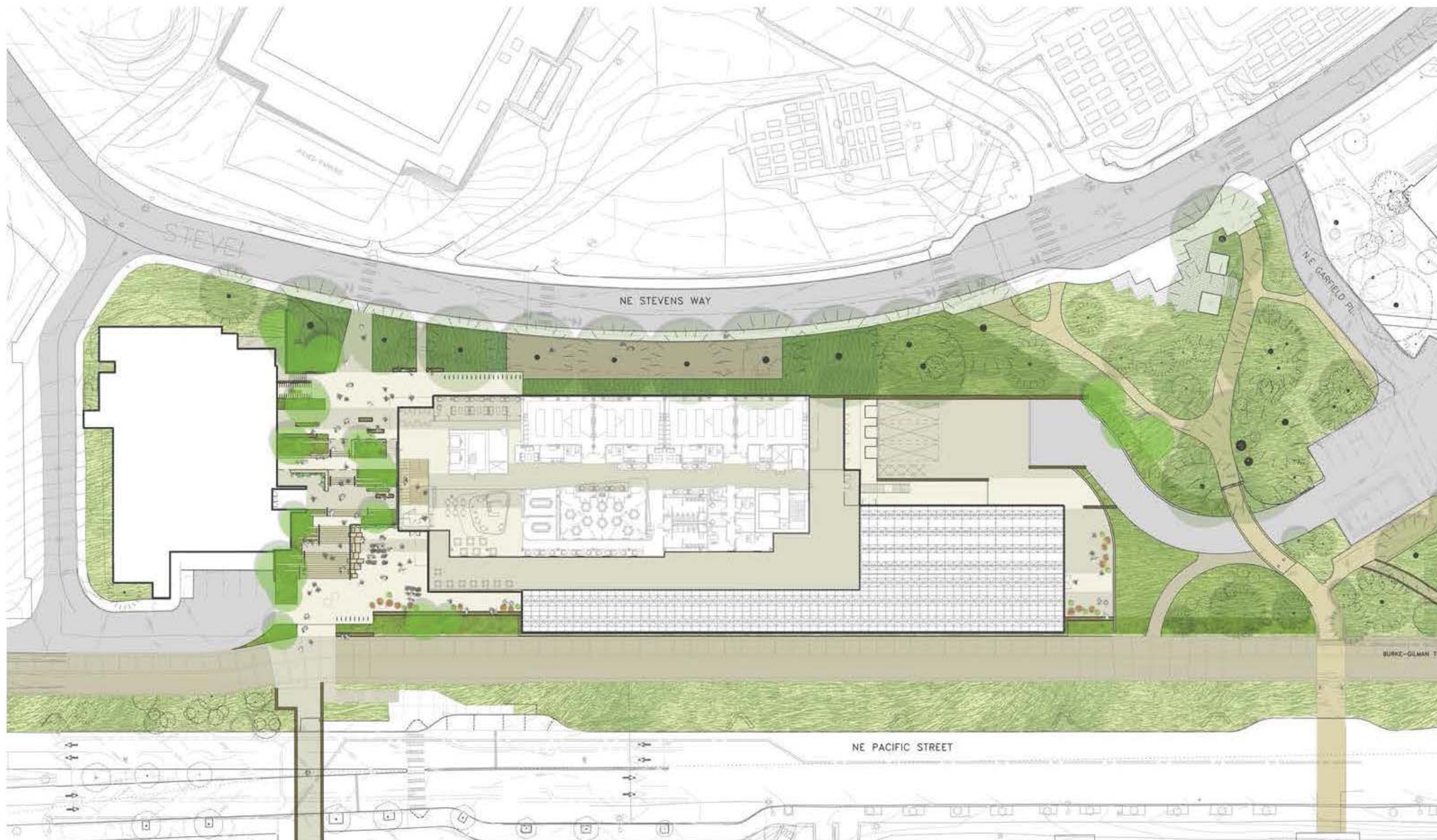


4/28/2015 ARCHITECTURAL COMMITTEE MEETING COMMENTS

- The modulation of the building massing, routing ADA access through the building to avoiding a switch-back ramp, and the development of the passage between the Life Sciences Building and Kincaid Hall, were all seen as a very positive moves.
- **Coordination between the Life Sciences Building and the Burke Gilman Trail design teams has become very important, as present designs vary significantly.**
- **The five foot clearance between the Burke Gilman Train and the greenhouses feels precarious and is untenable. Eight to ten feet would allow for comfort and safety, and perhaps a planted buffer.**
- The Lewis Lane passage, as shown, is very narrow, but the potential exists for a generous gesture.
- Sightlines between Stevens Way and the Burke Gilman Trail should be carefully considered, so that the access between the two is evident.
- Scheme 1, “Campus Wildlife Corridor,” was preferred to Scheme 2, “The Watering Hole,” however locating the entry to the building at the eighty-nine foot elevation, across from Kincaid, would preclude confusion over ADA access to the trail or bridge.
- **Sun shading options for exterior materials include exterior louvers (those which do not allow bird roosting) or high performance glass (which would compensate for heat transfer, but not glare.)**

Updates since Schematic Design

- Greenhouse Orientation
- Building Shift 2'-6" North
- BGT + Greenhouse

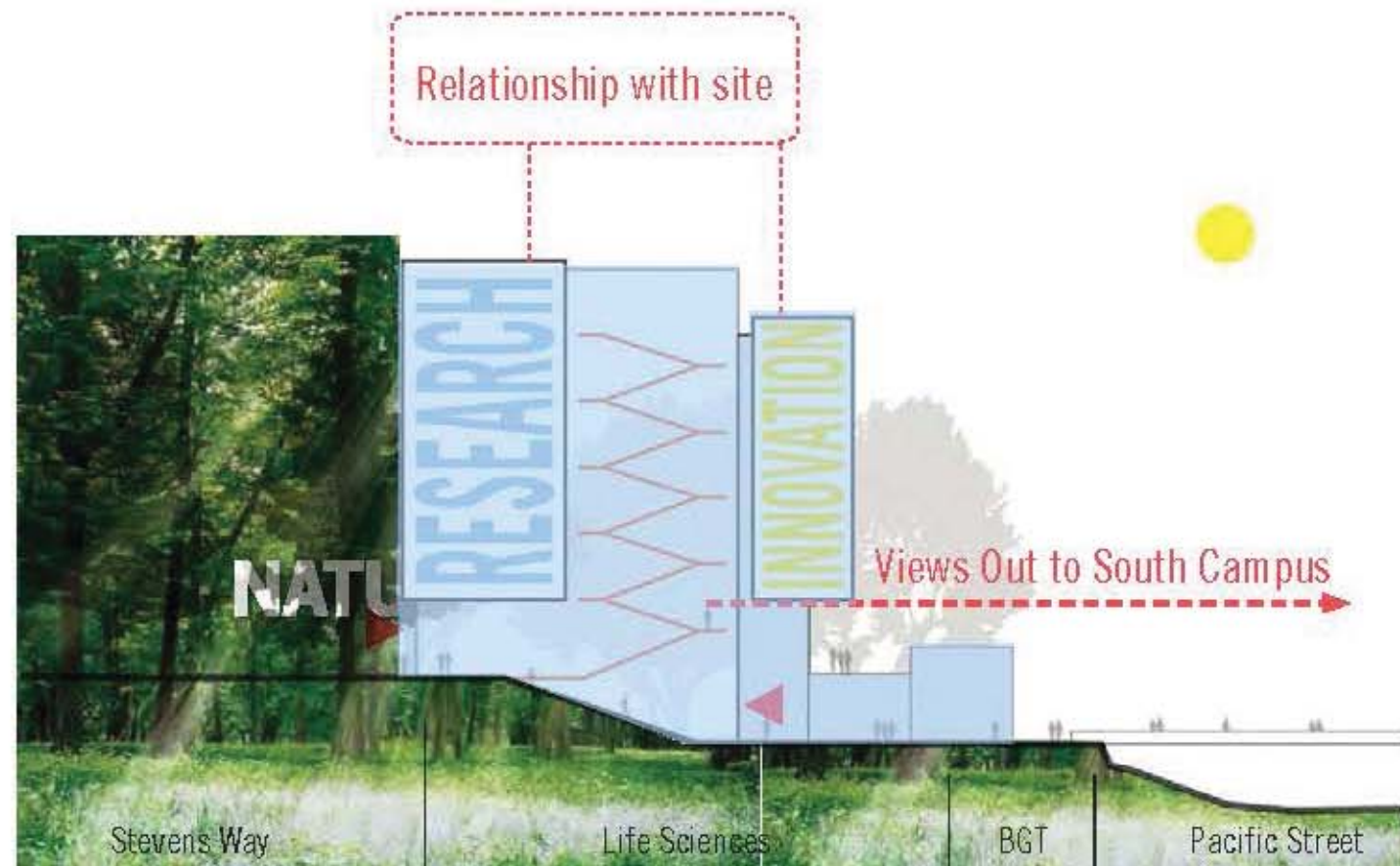
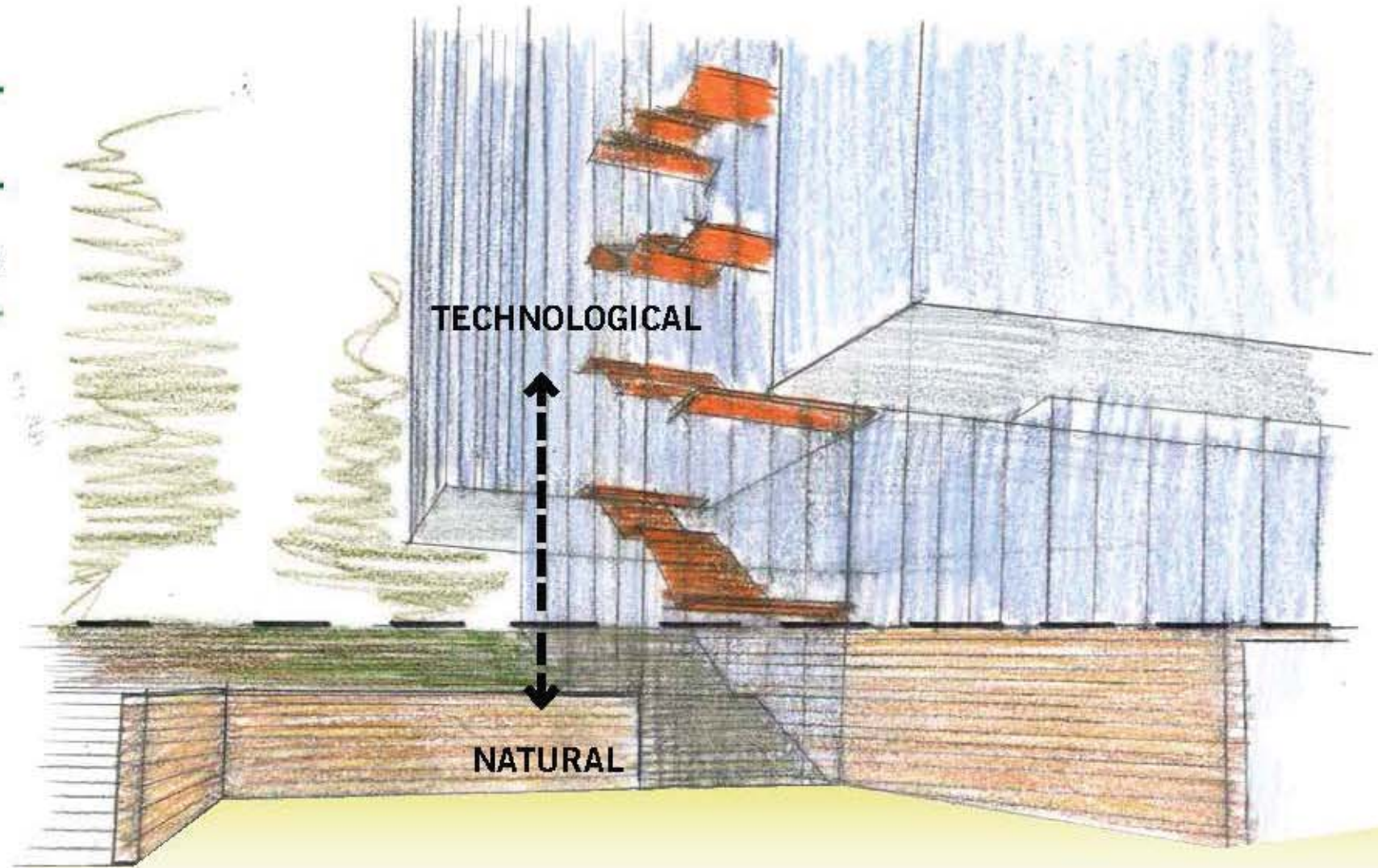
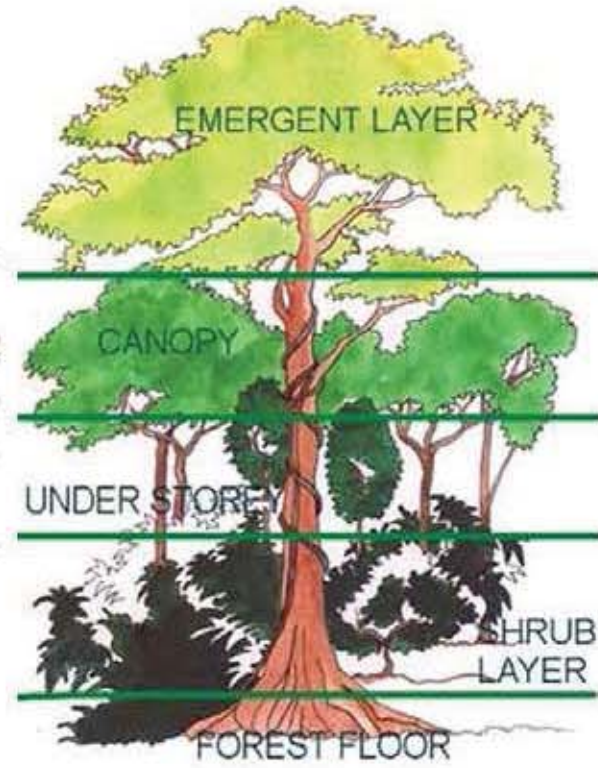


4. SITE DESIGN



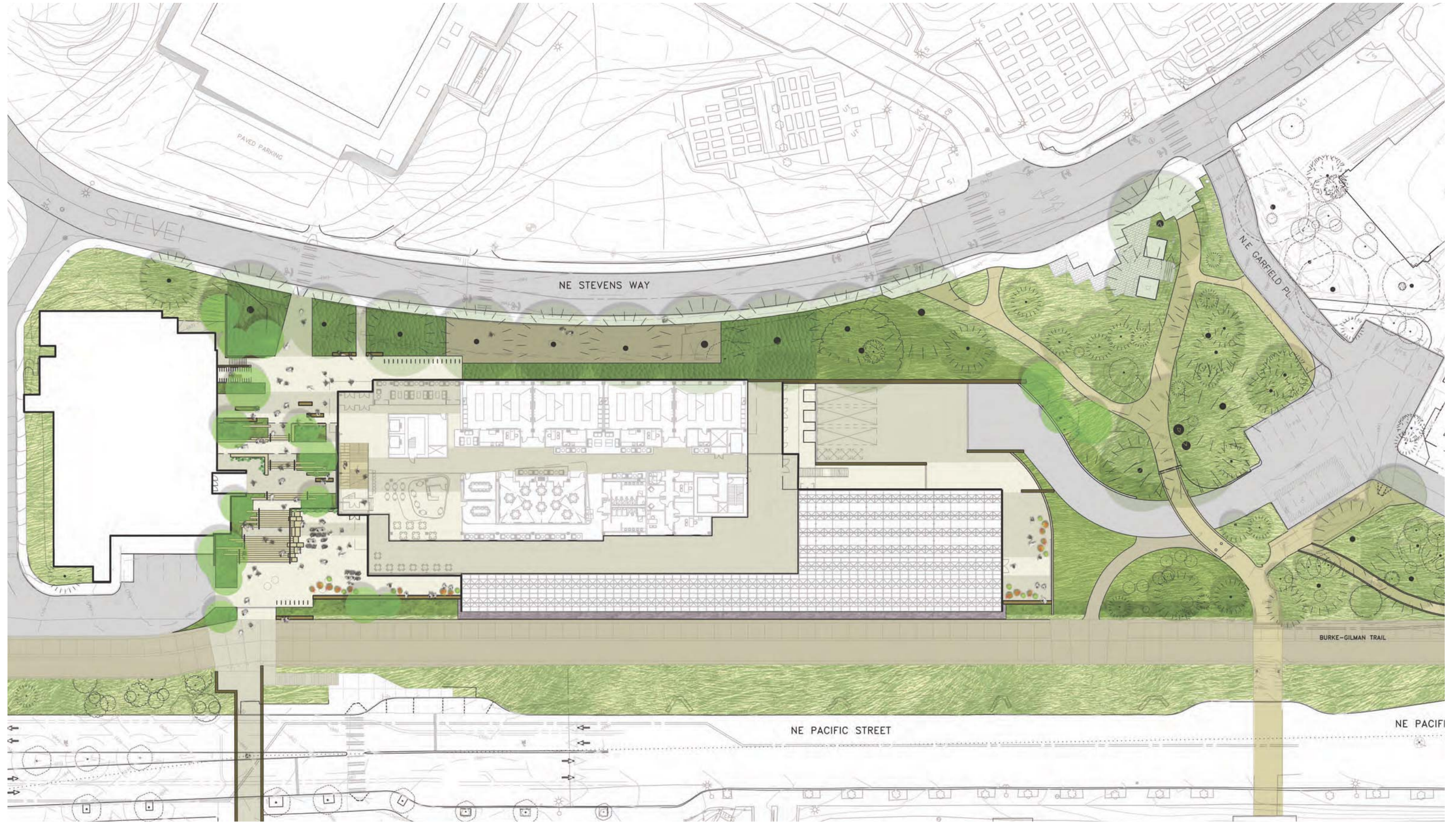
LANDSCAPE CONCEPT

SITE-FACADE RELATIONSHIP



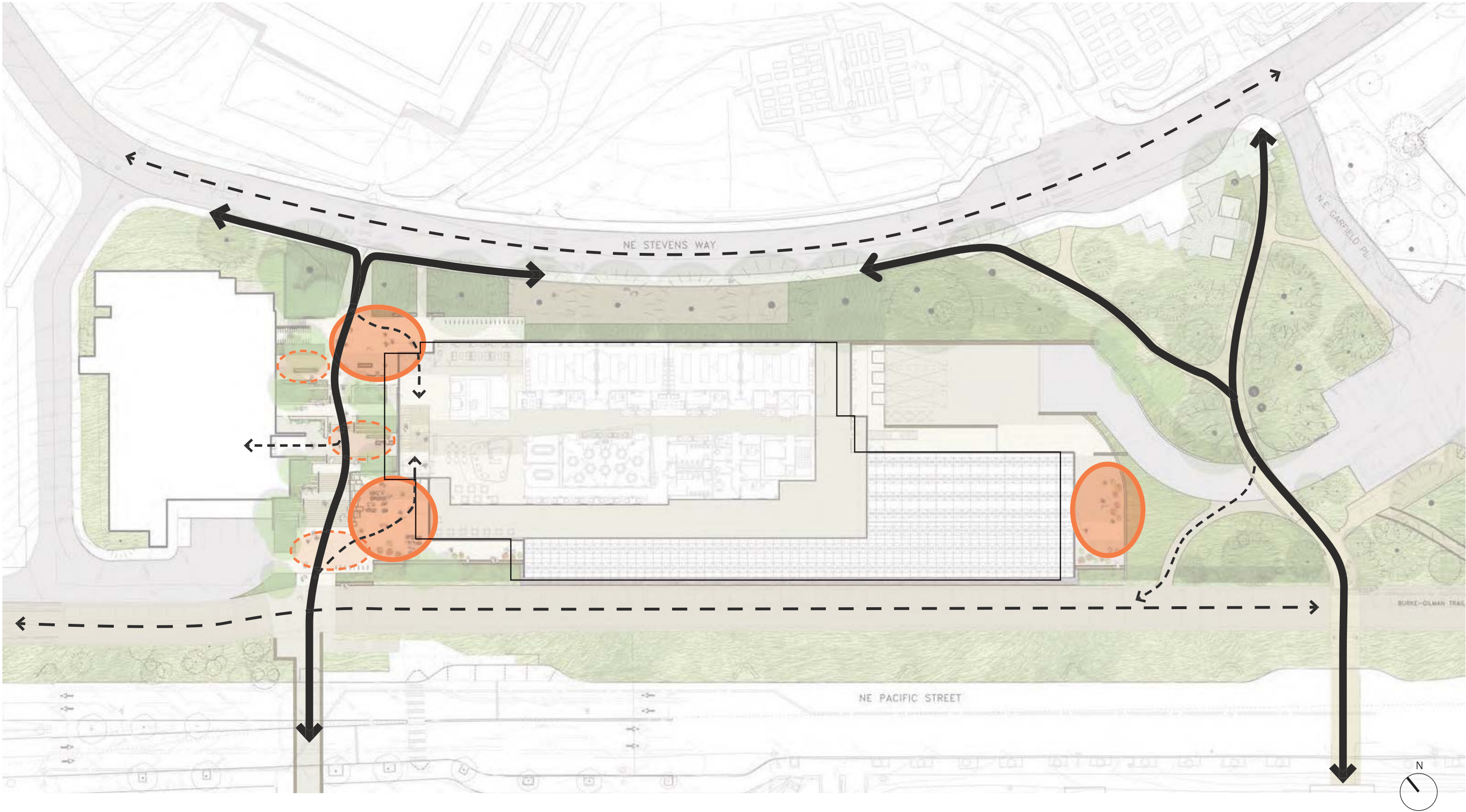
SITE DESIGN

SITE PLAN



SITE DESIGN



WATERING HOLES, NODES, AND WILDLIFE CORRIDORS

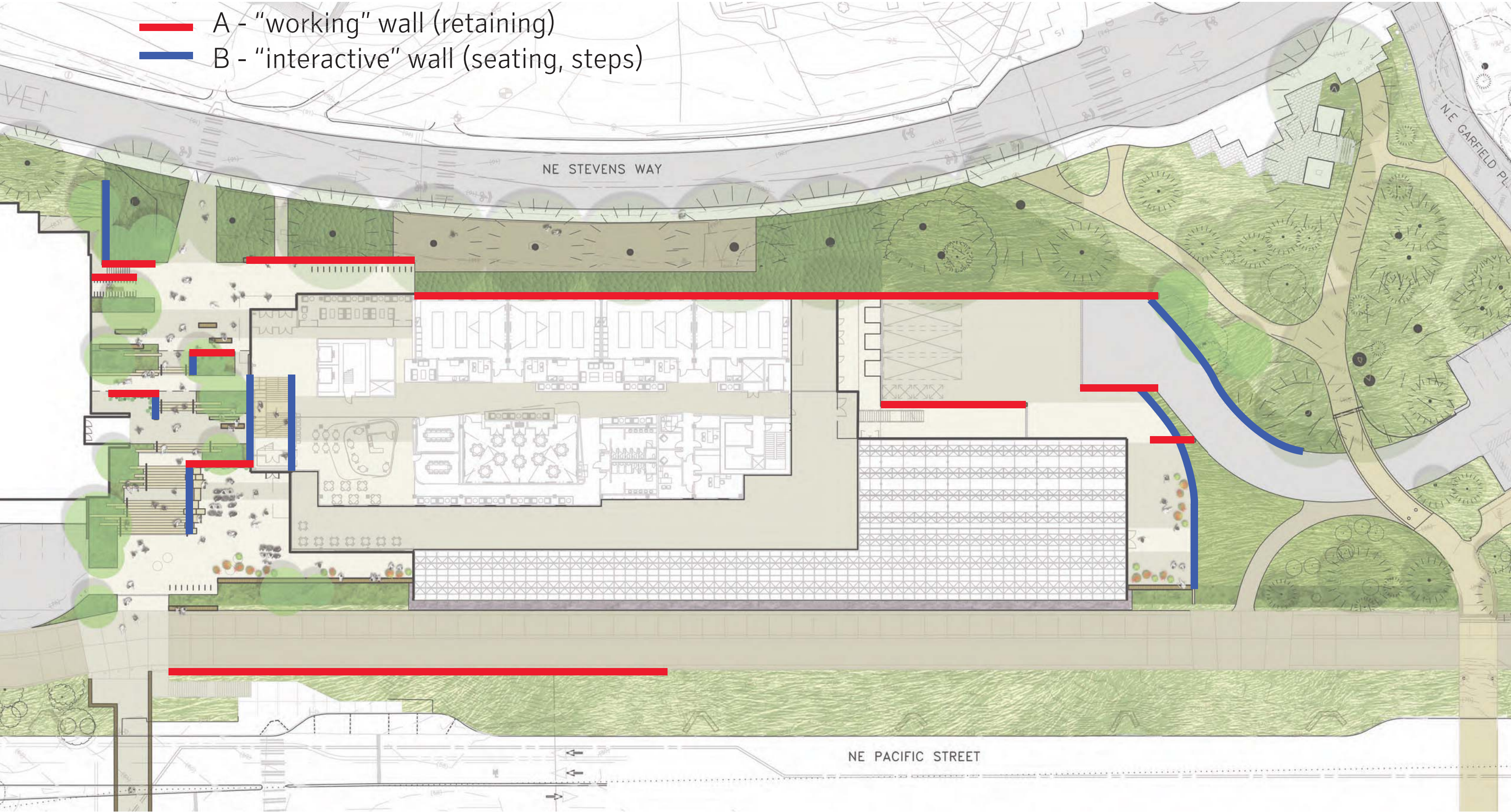


SIGHTLINES



LANDSCAPE WALLS

-  A - "working" wall (retaining)
-  B - "interactive" wall (seating, steps)



LANDSCAPE WALLS

A Wall // Reference Images



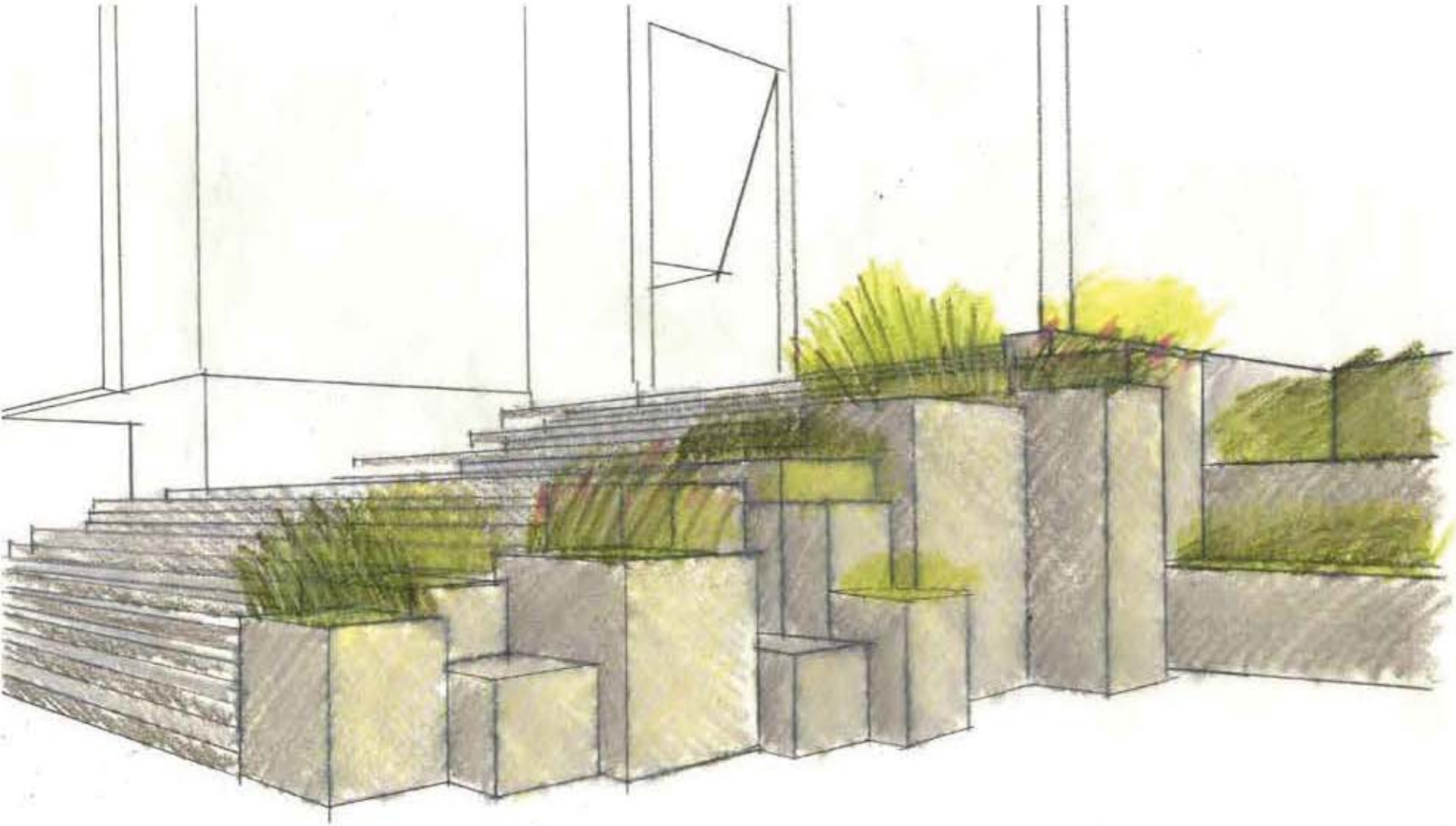
B Wall // Reference Images



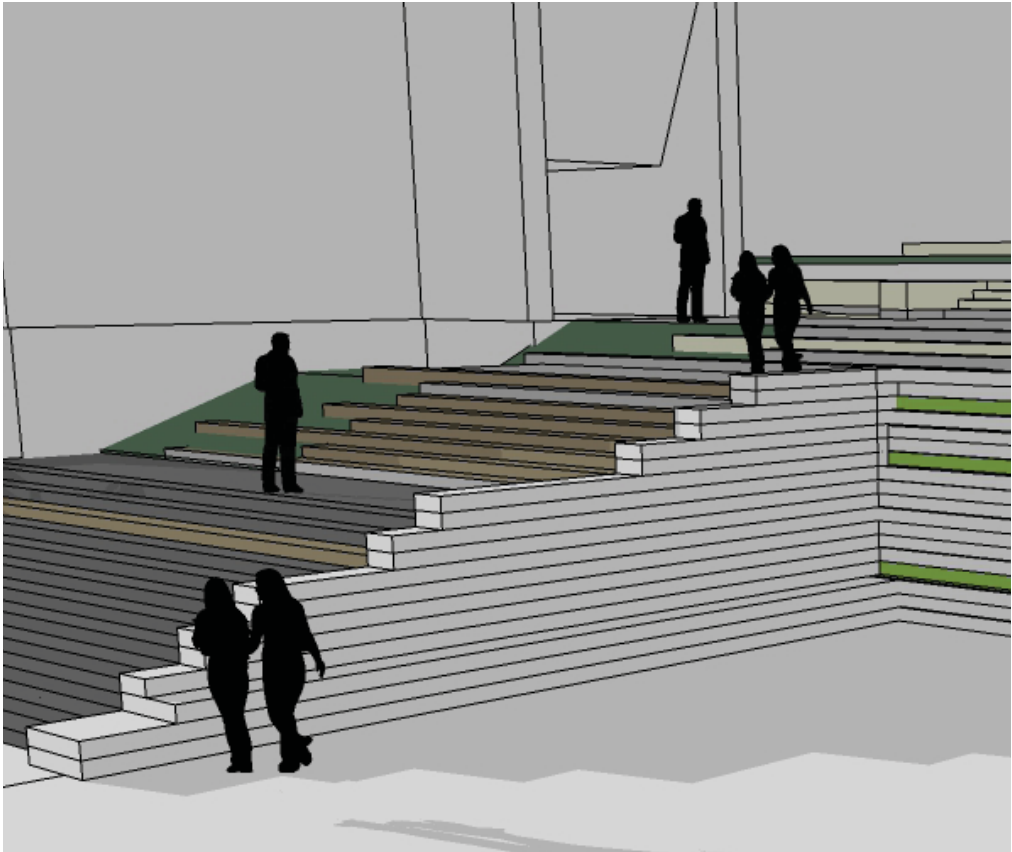
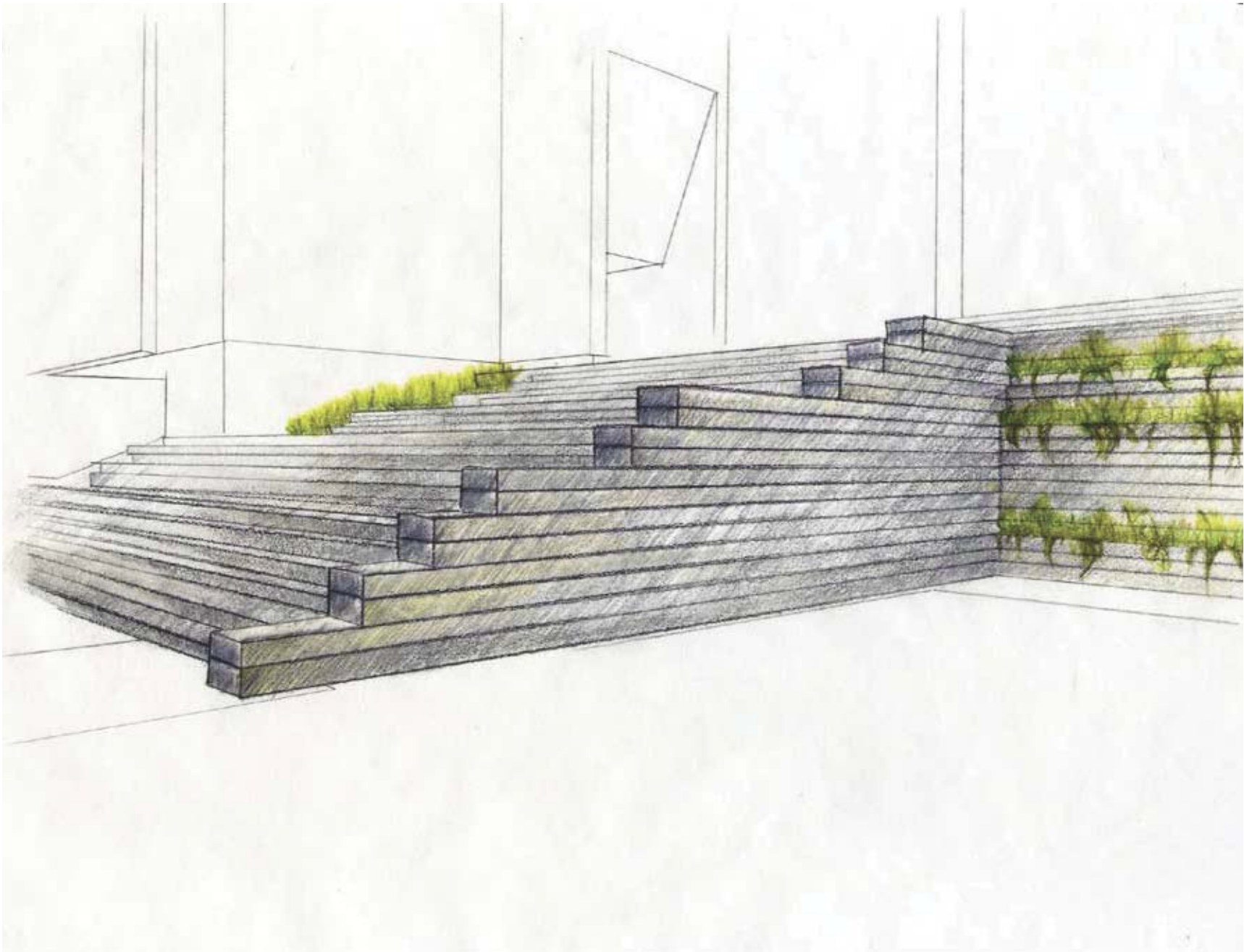
LANDSCAPE - B // VERTICAL SLAB WALL



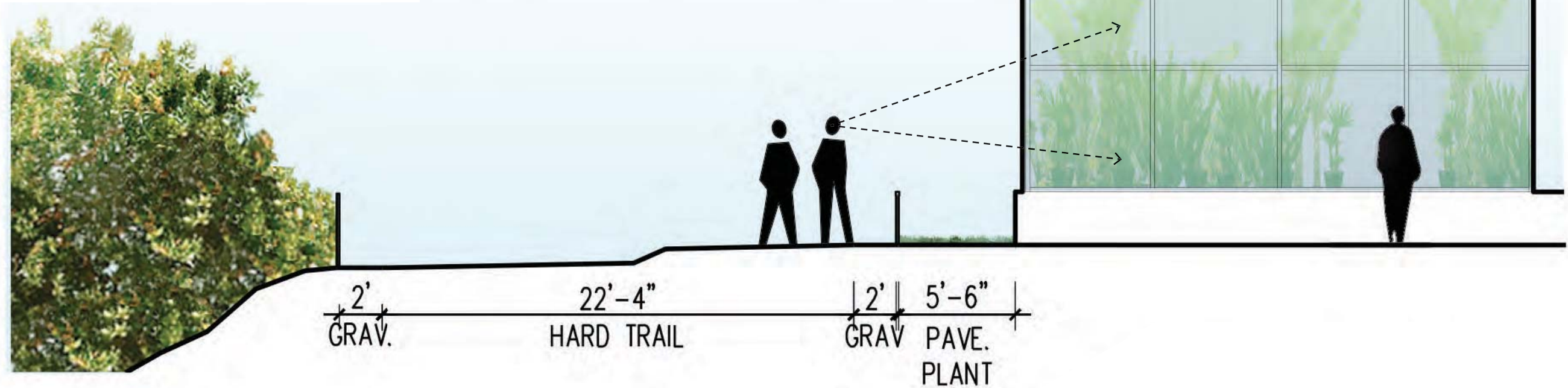
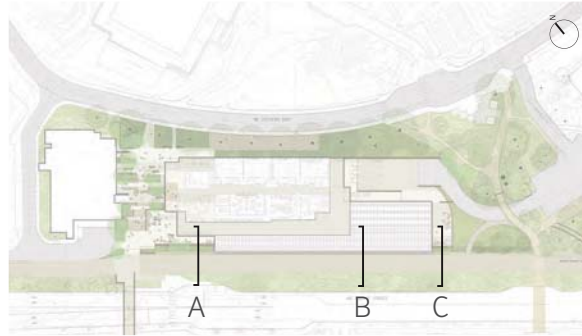
LANDSCAPE WALL - B // BOULDER WALL



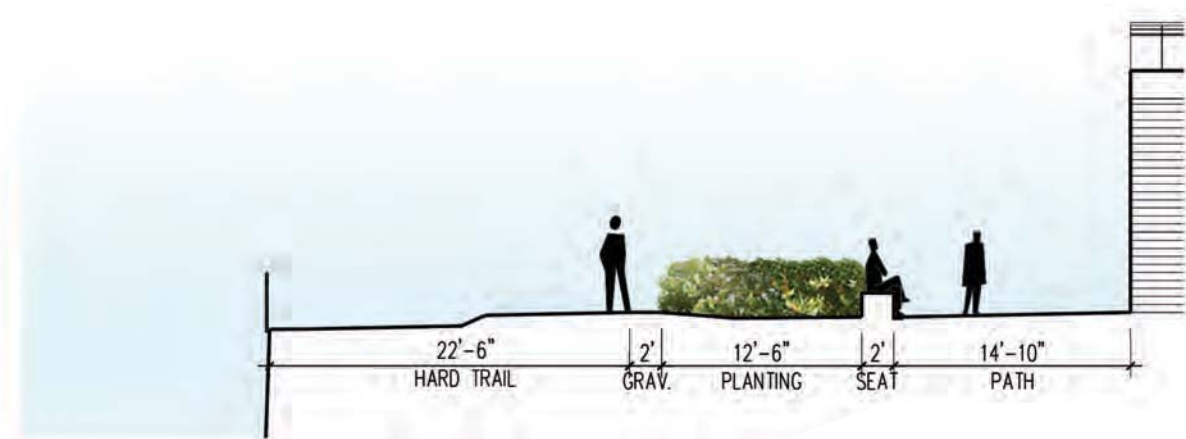
LANDSCAPE - B // HORIZONTAL STRIATION WALL



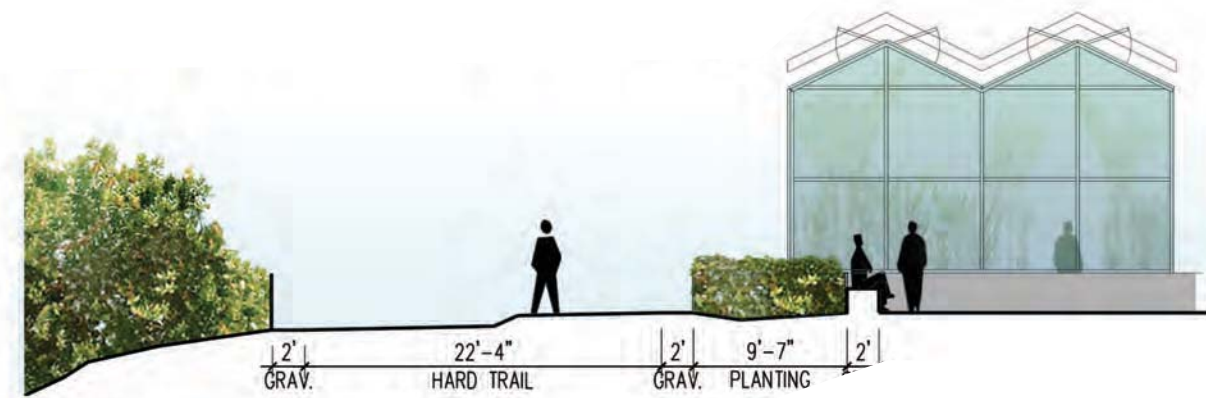
BURKE-GILMAN TRAIL + GREENHOUSE



SECTION B

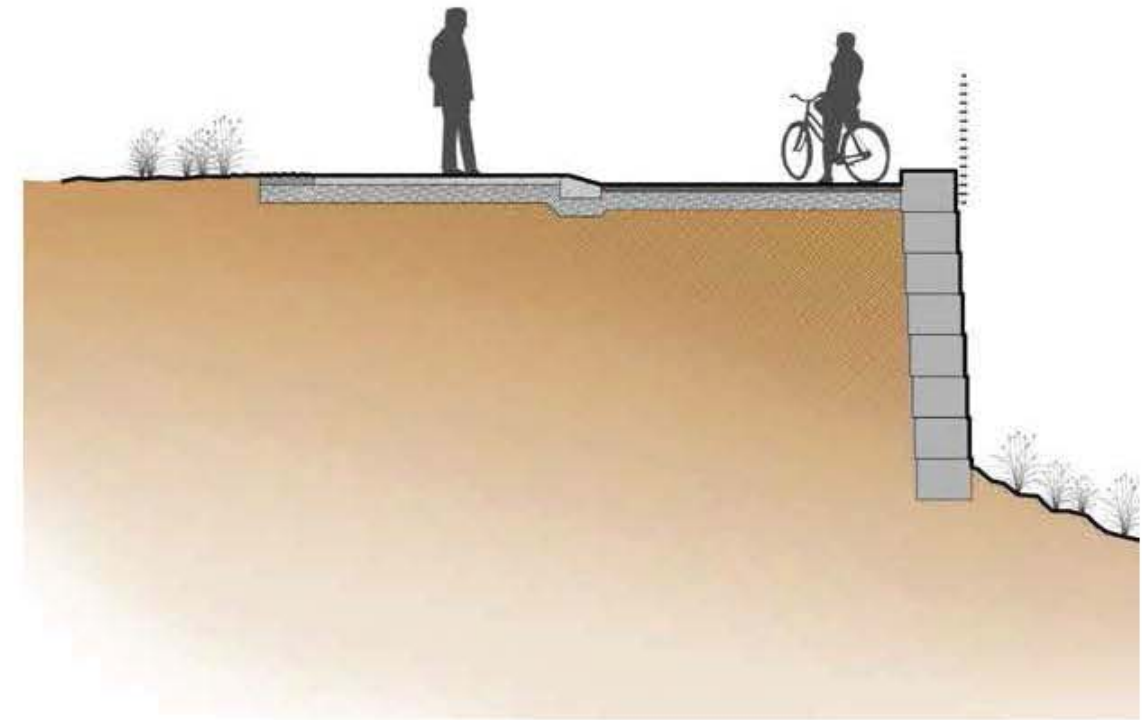
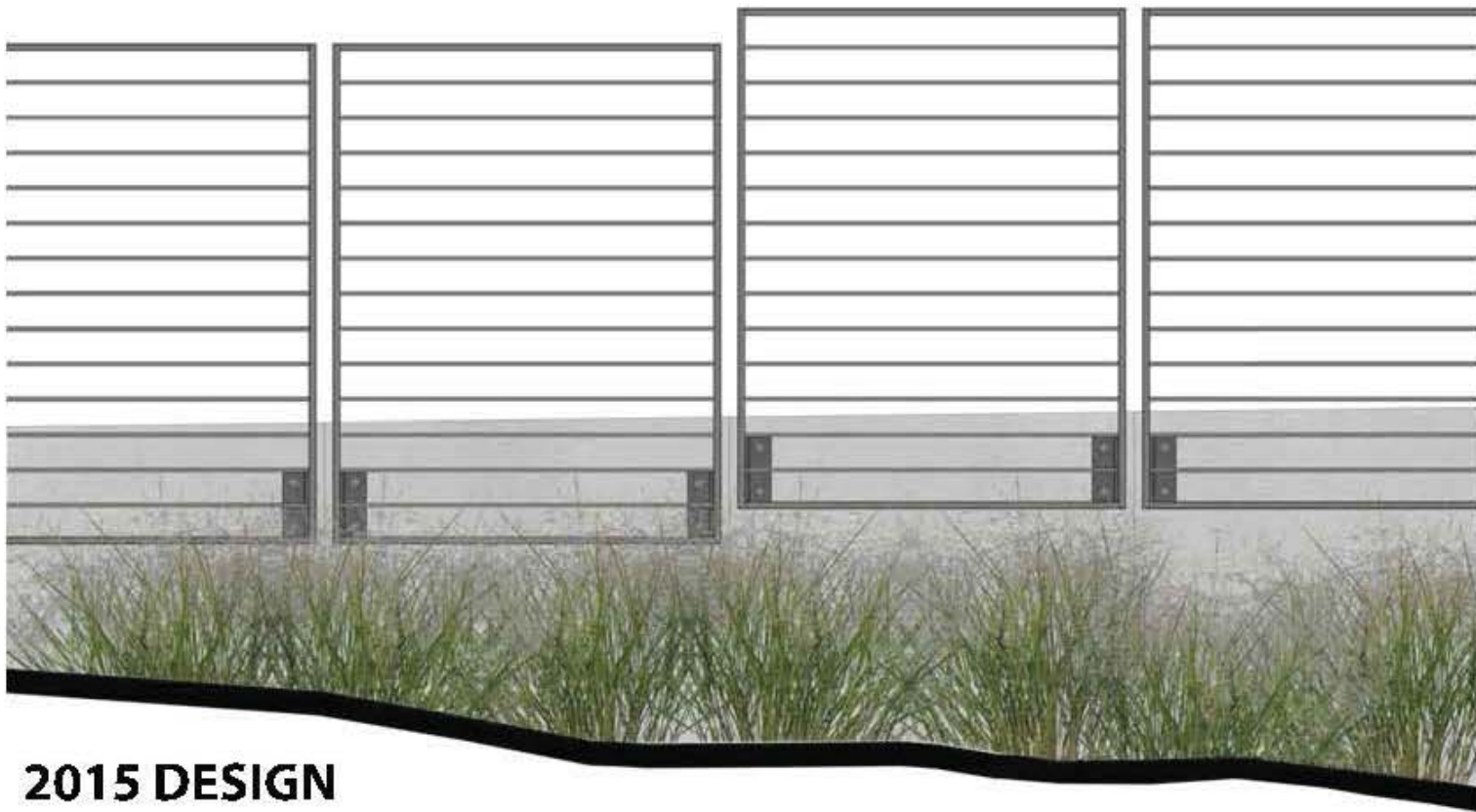


SECTION A



SECTION C

BURKE-GILMAN TRAIL + PACIFIC STREET

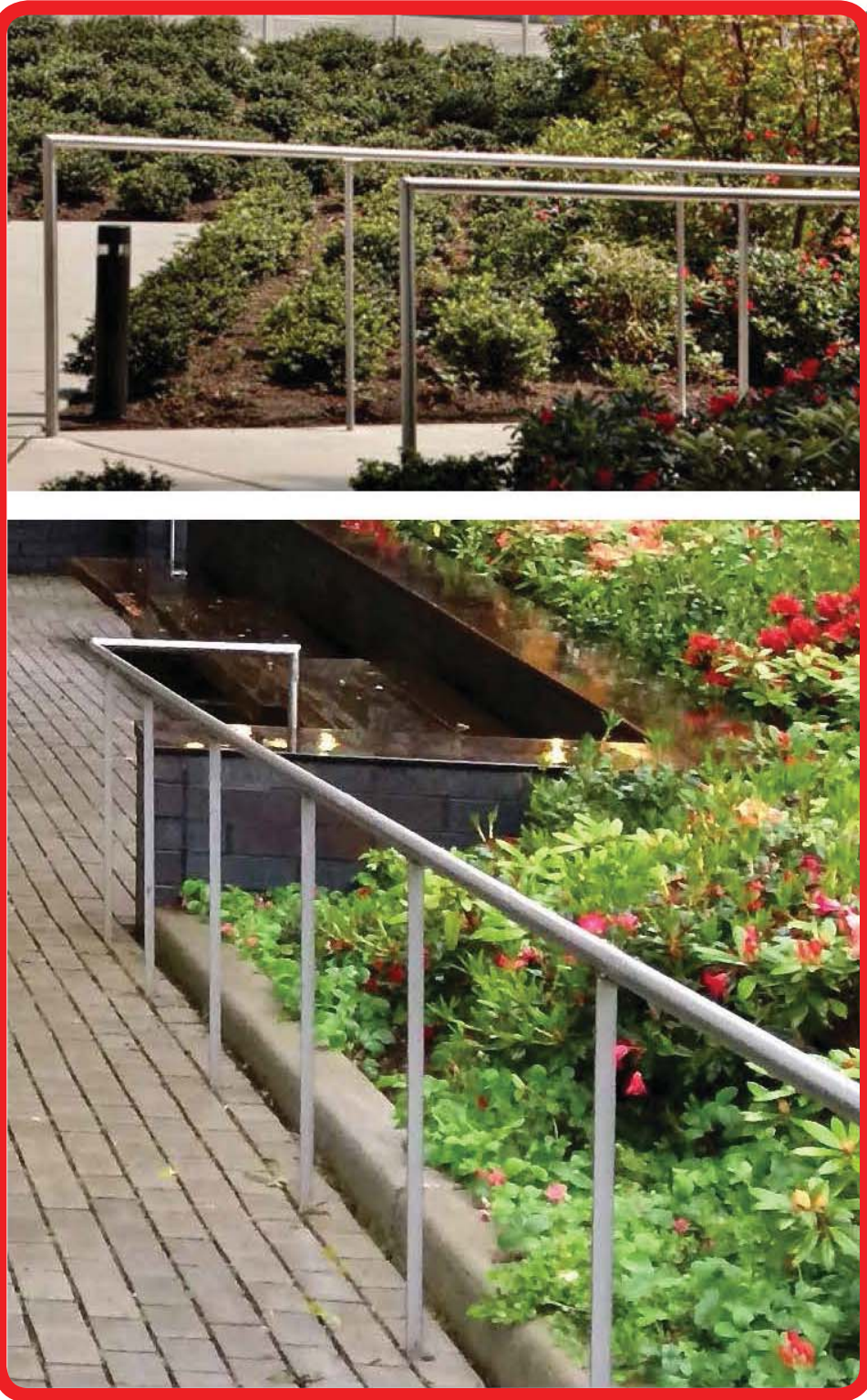


2015 DESIGN

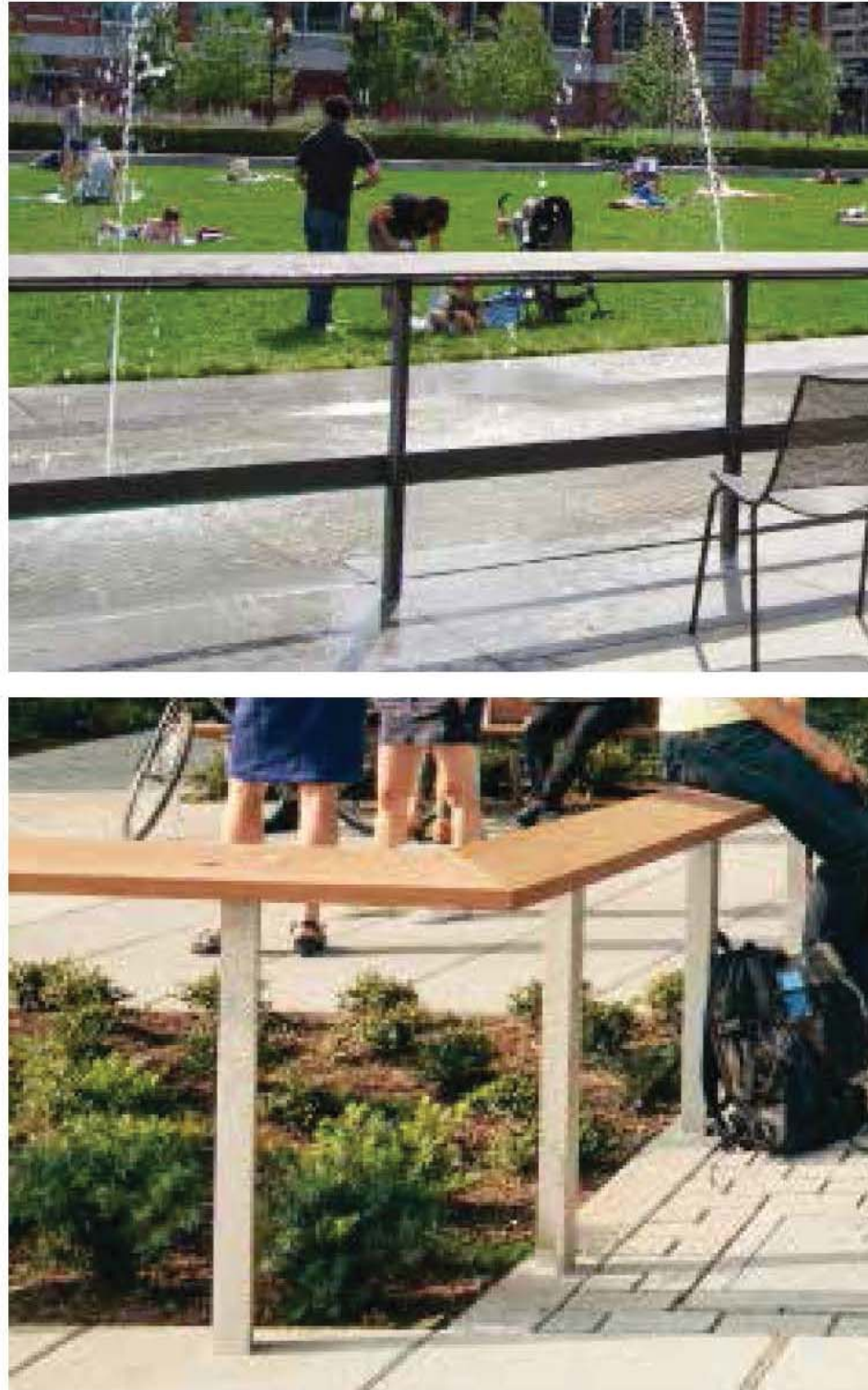
SITE DESIGN

BURKE-GILMAN TRAIL + GREENHOUSES

STANDARD HAND RAIL



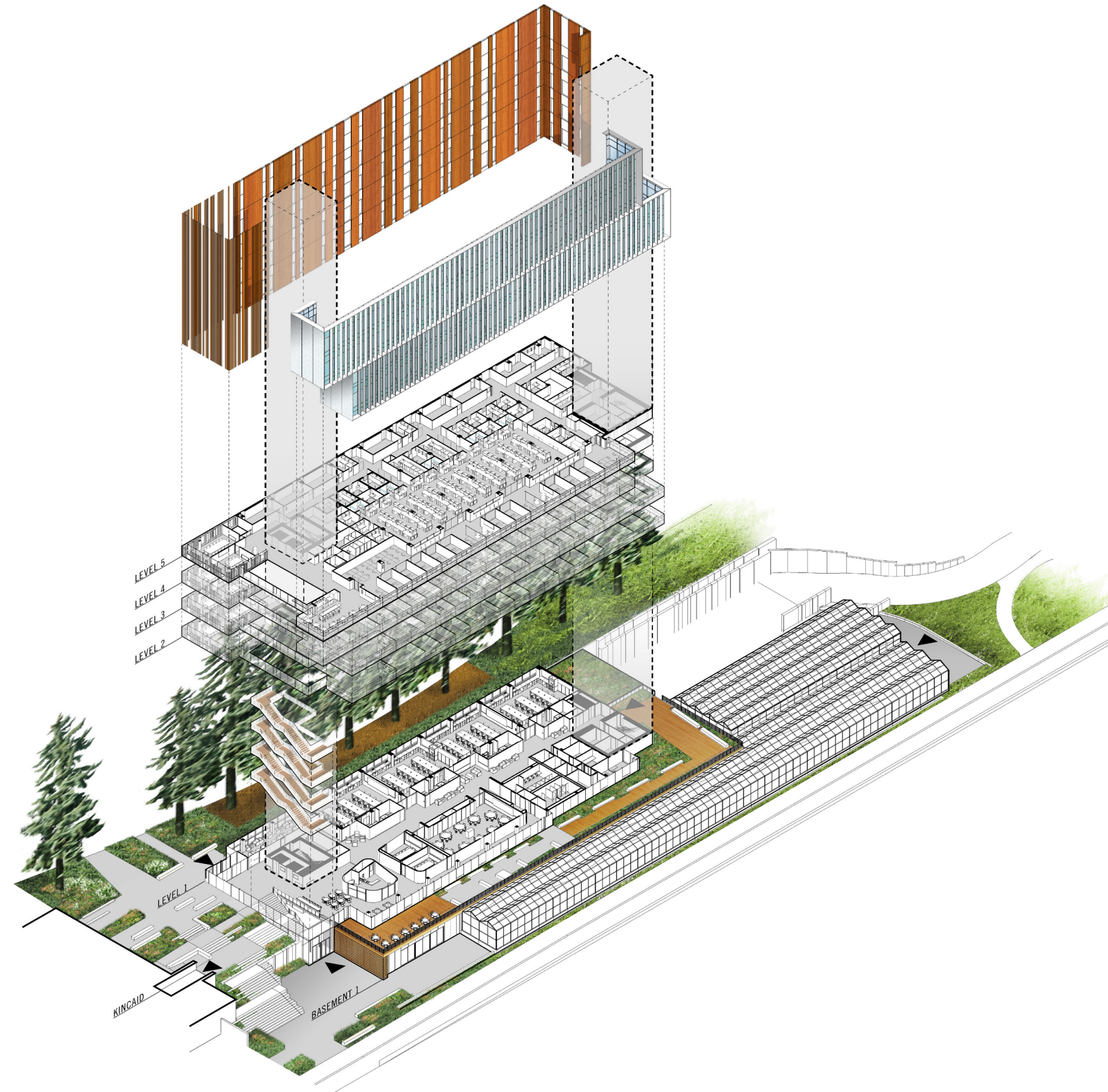
LEAN RAIL - WOOD AND METAL TOP



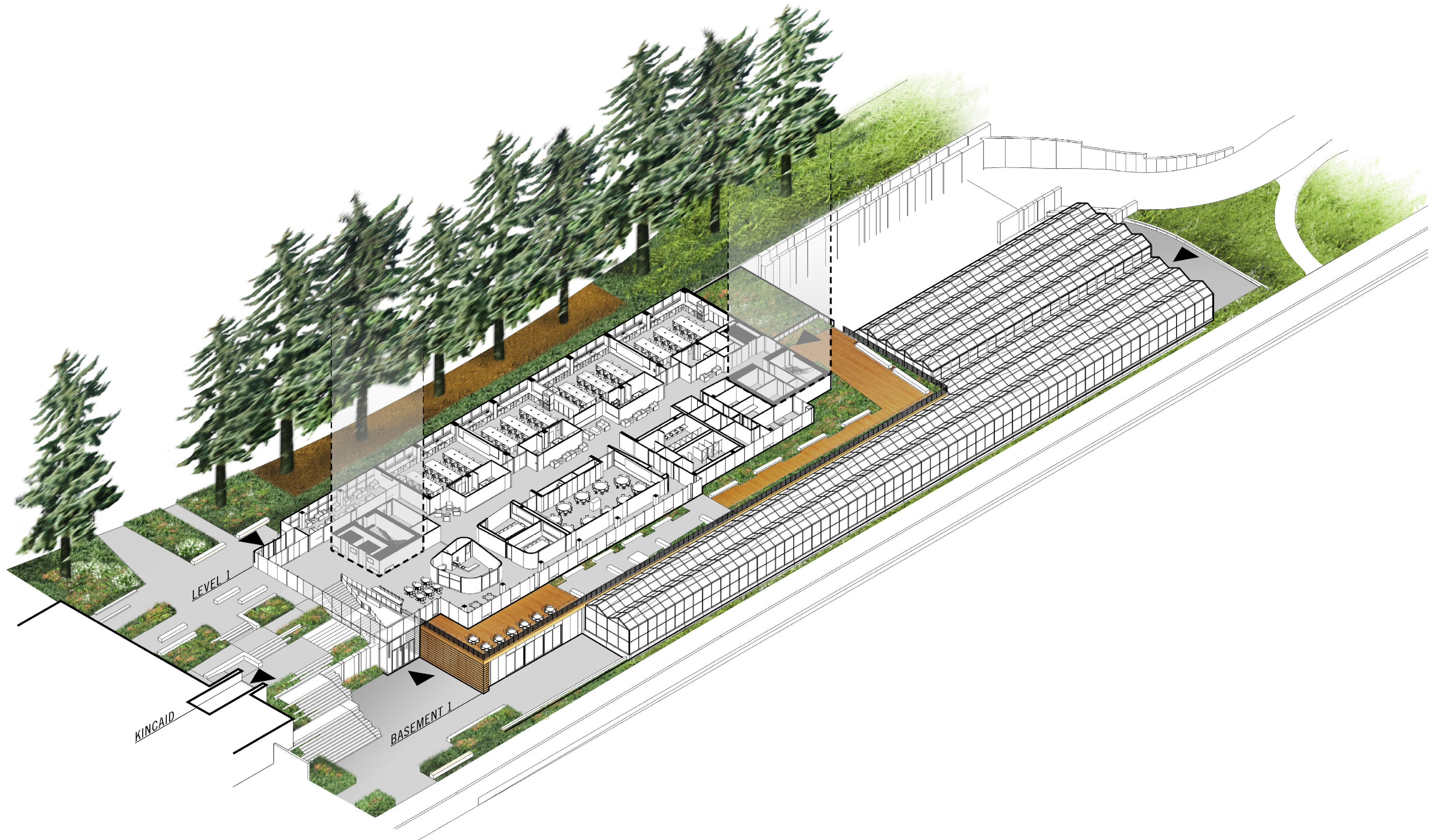
CABLES WITH HAND RAIL



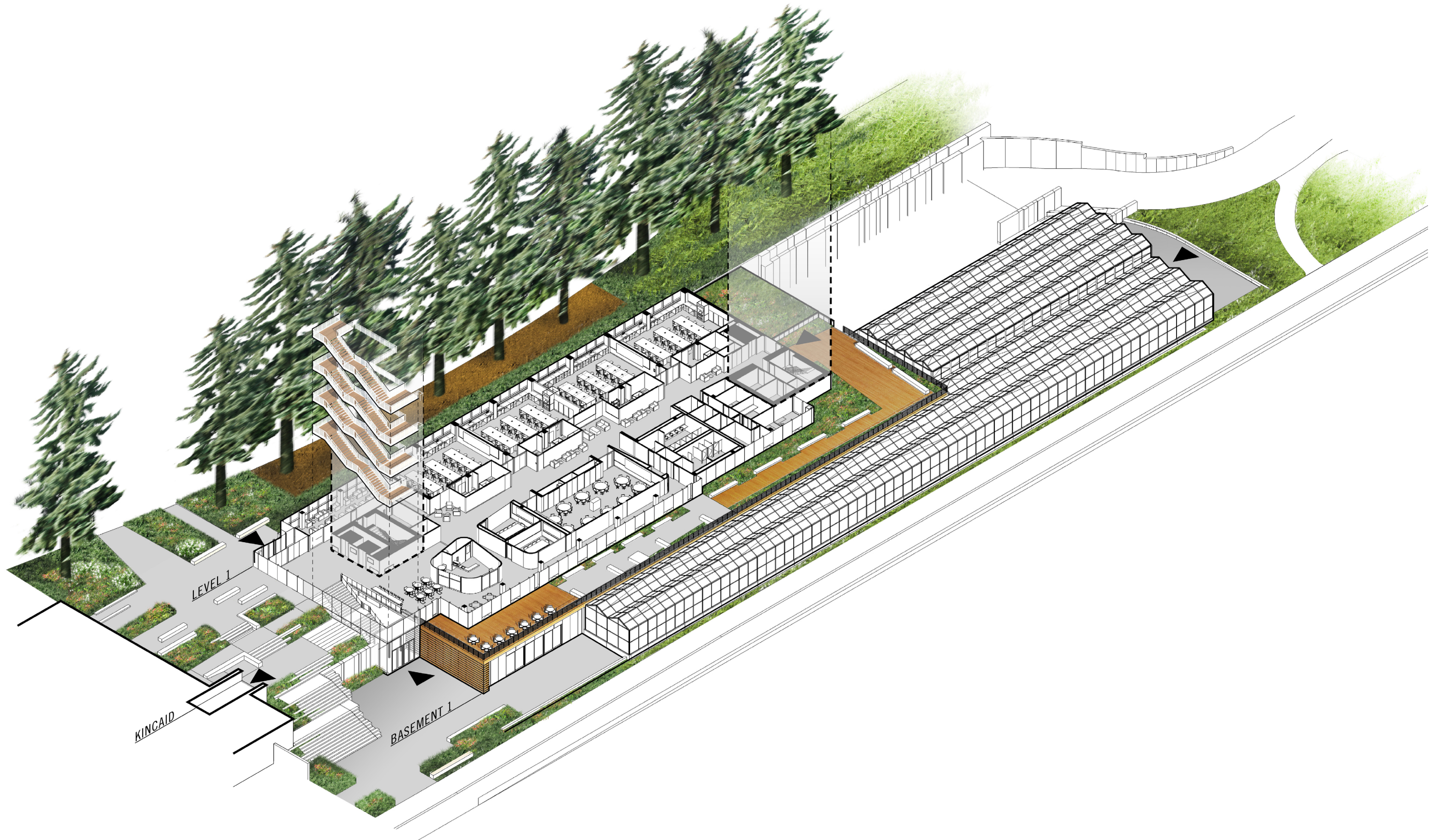
5. INTERIOR PLANNING + CONCEPTS



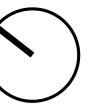
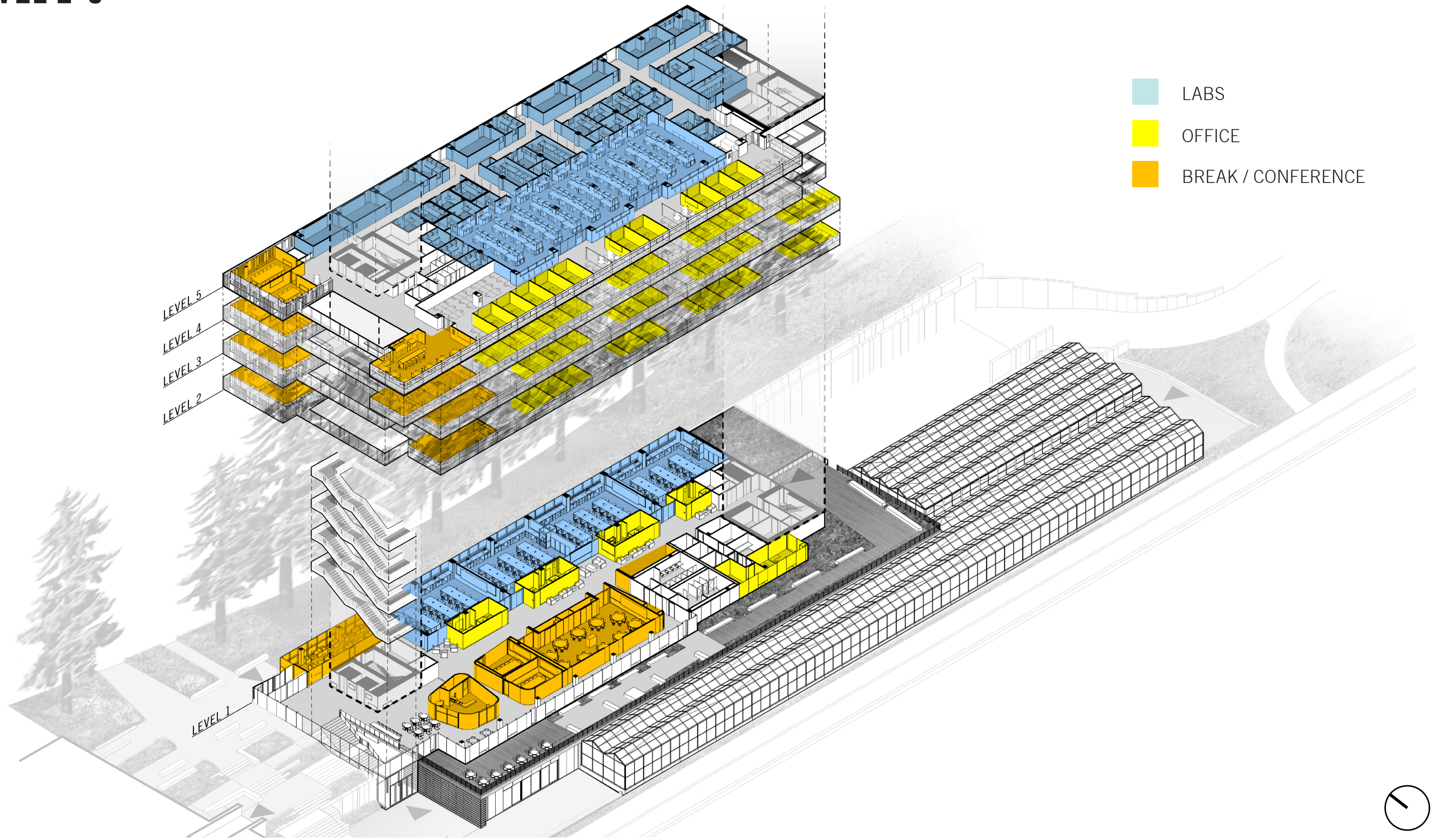
LEVEL 1



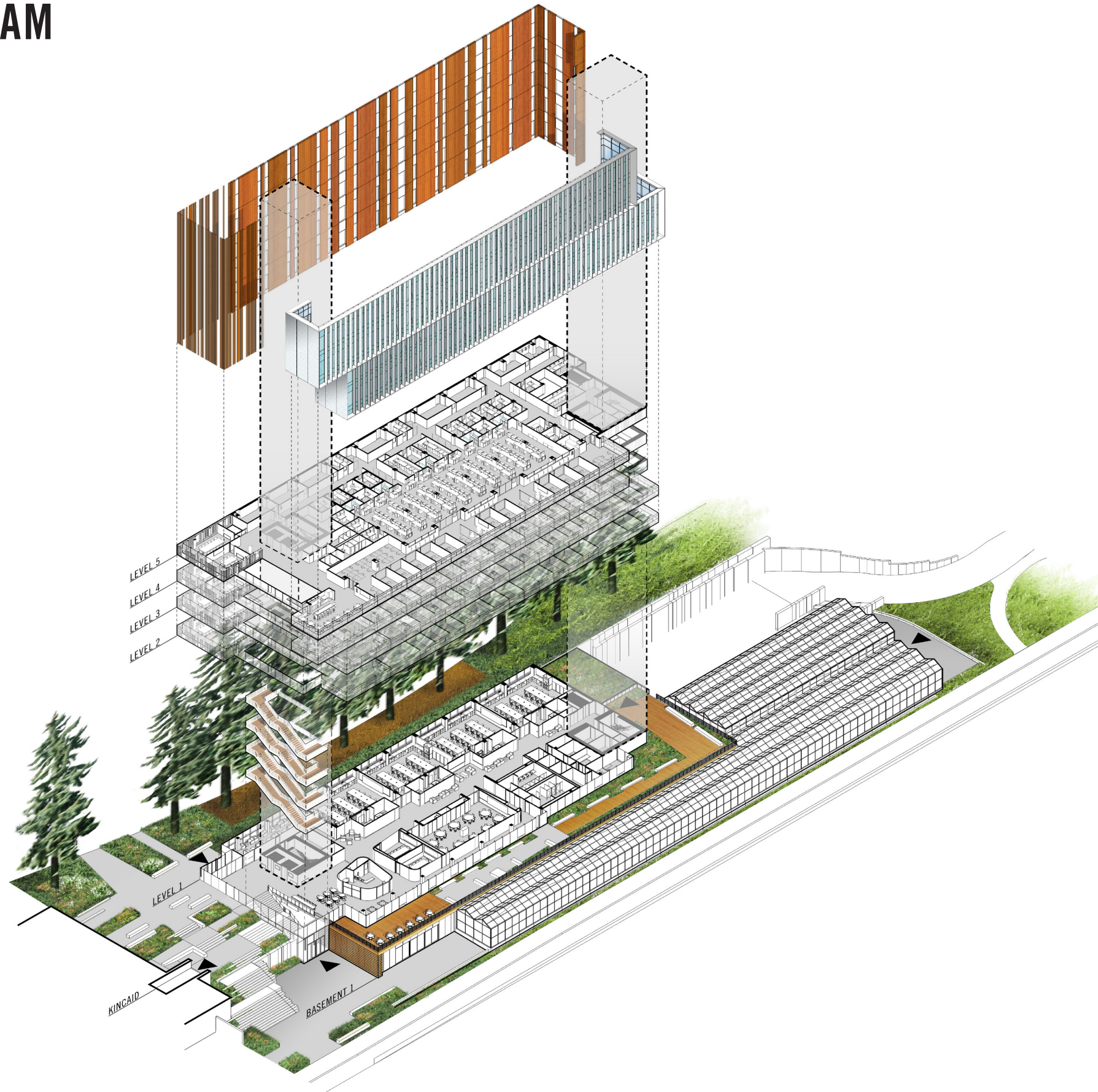
LEVEL 1



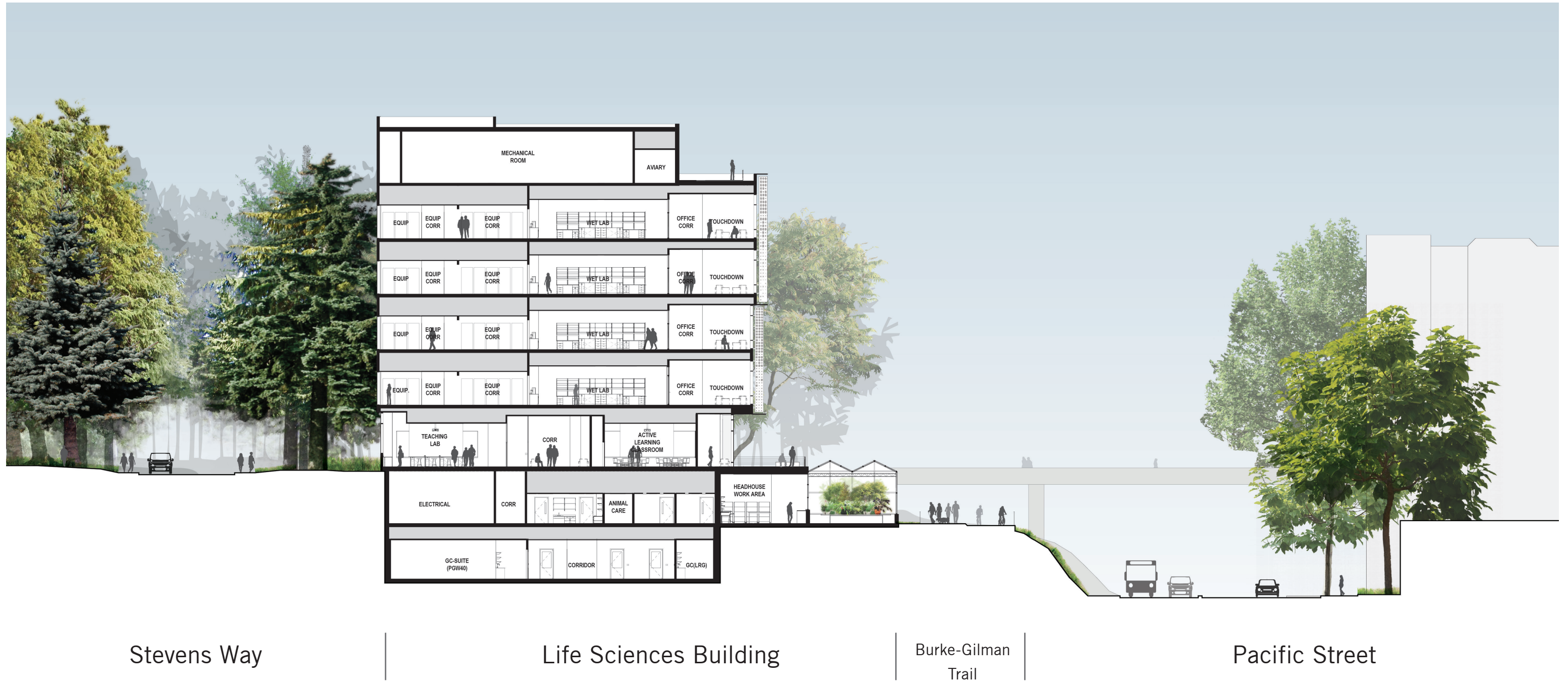
LEVEL 2-5



OVERALL SITE PROGRAM



OVERALL SITE SECTION



BUILDING SECTION AND PROGRAM

- LABS
- OFFICE
- BREAK / CONFERENCE
- GREENHOUSE
- HEADHOUSE
- MECHANICAL
- ANIMAL CARE



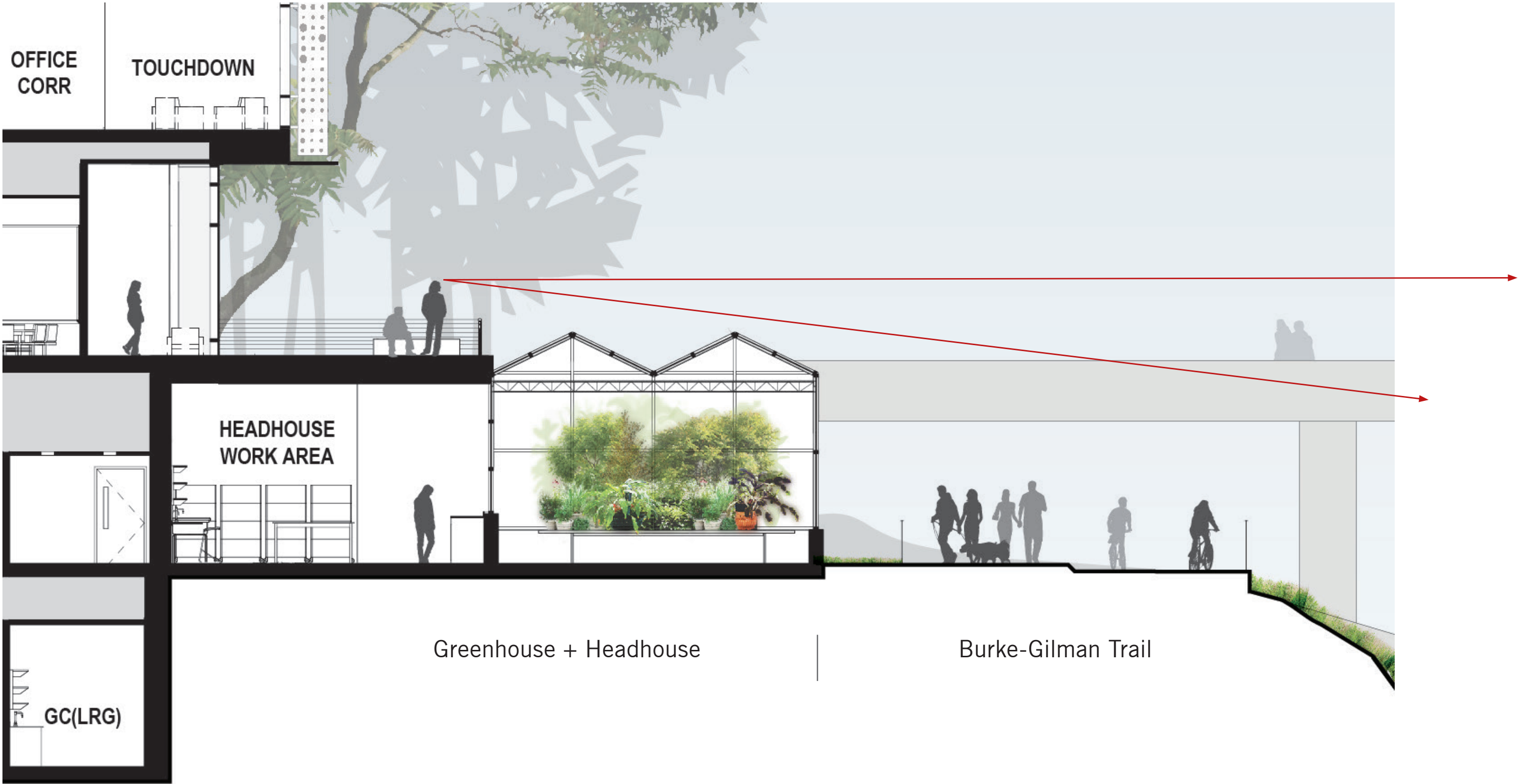
Stevens Way

Life Sciences Building

Greenhouse
+
Headhouse

Burke-Gilman Trail

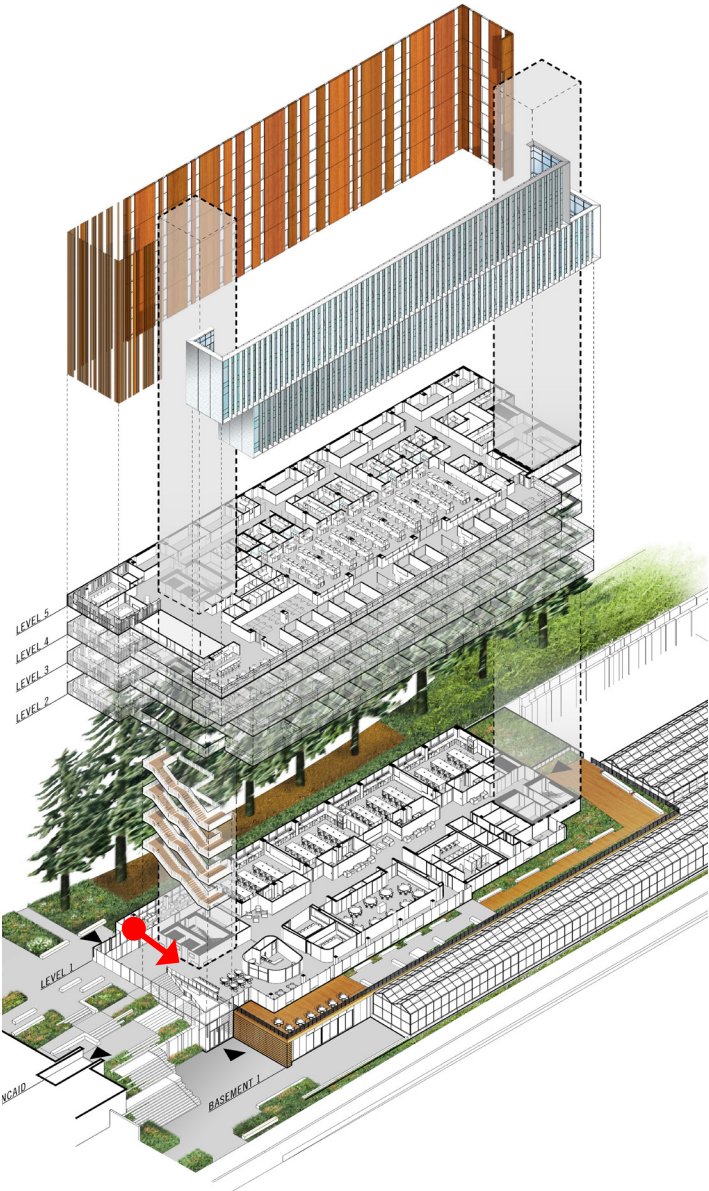
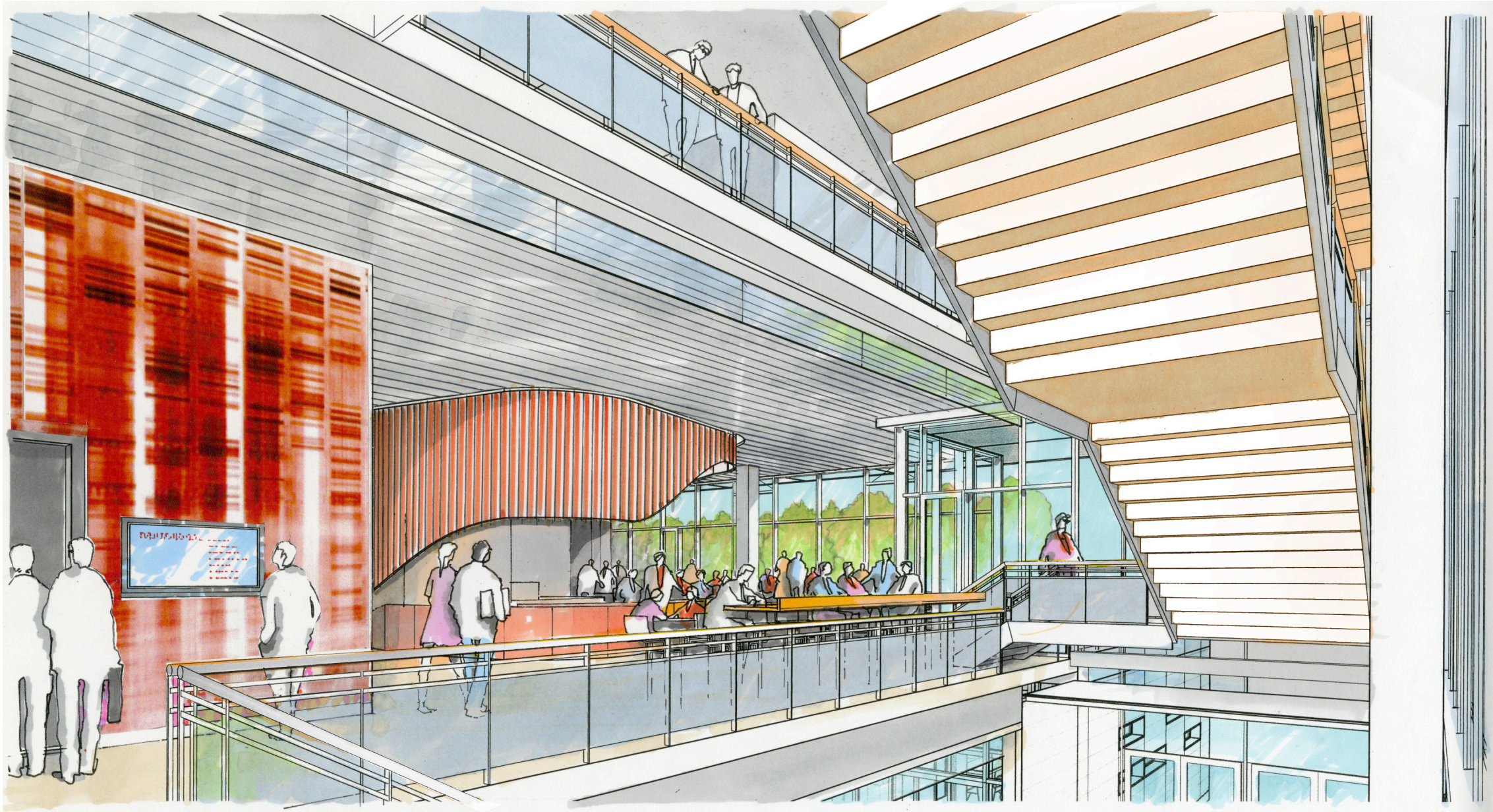
LEVEL 1 // OUTDOOR DECK



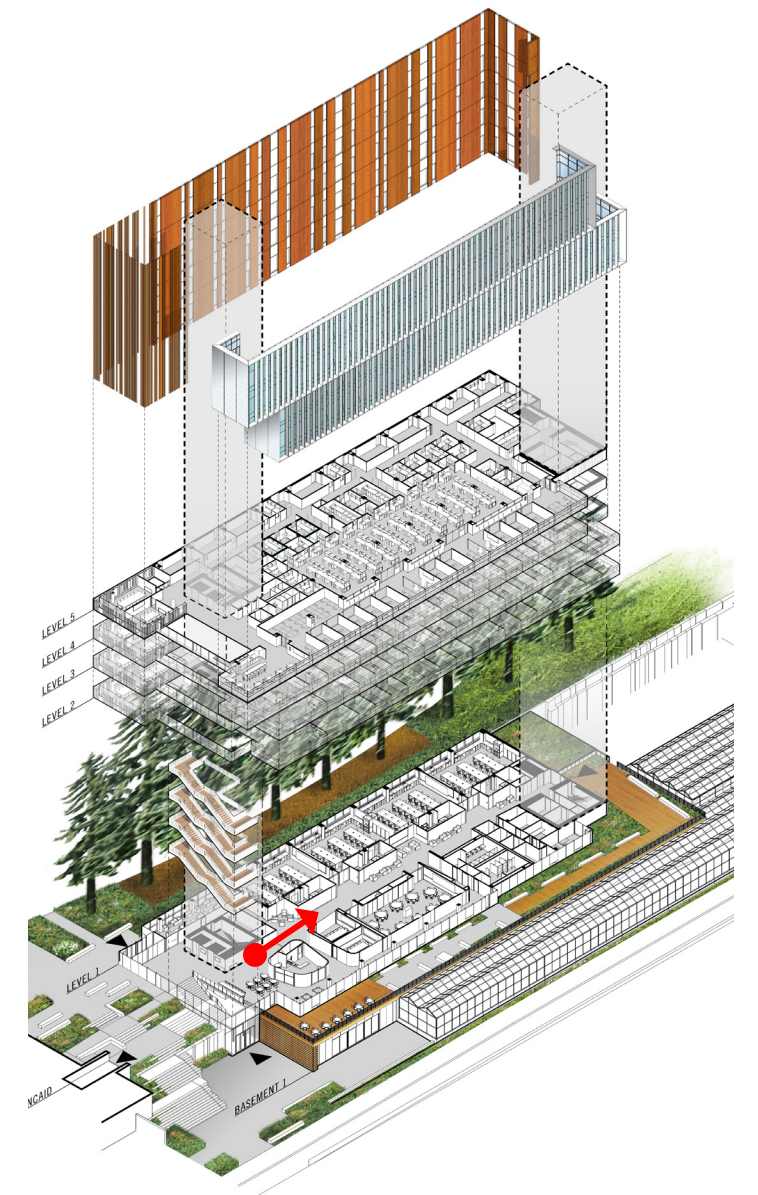
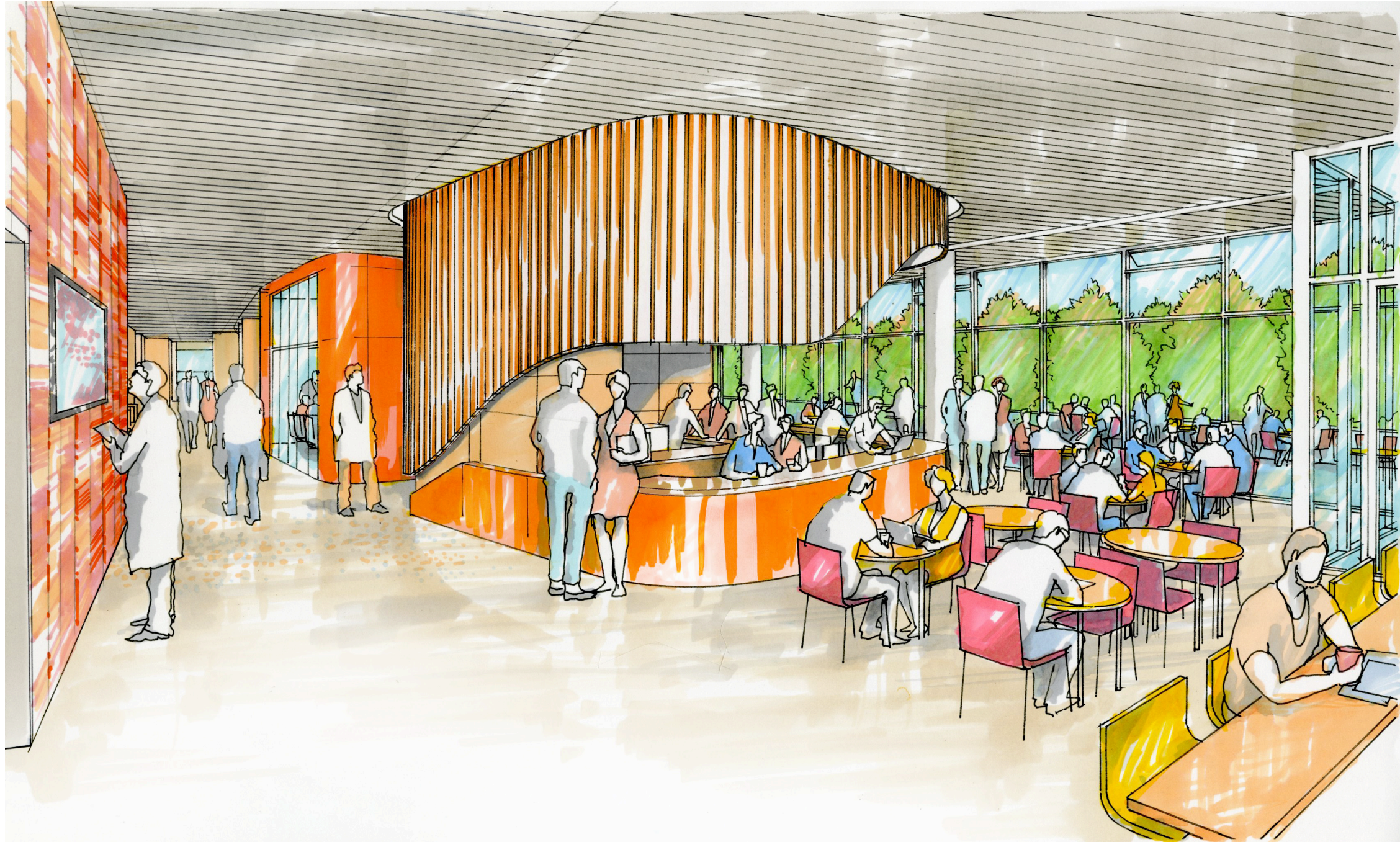
LEVEL B1 // HEADHOUSE & GREENHOUSE



LEVEL 1 // ENTRY STAIRS



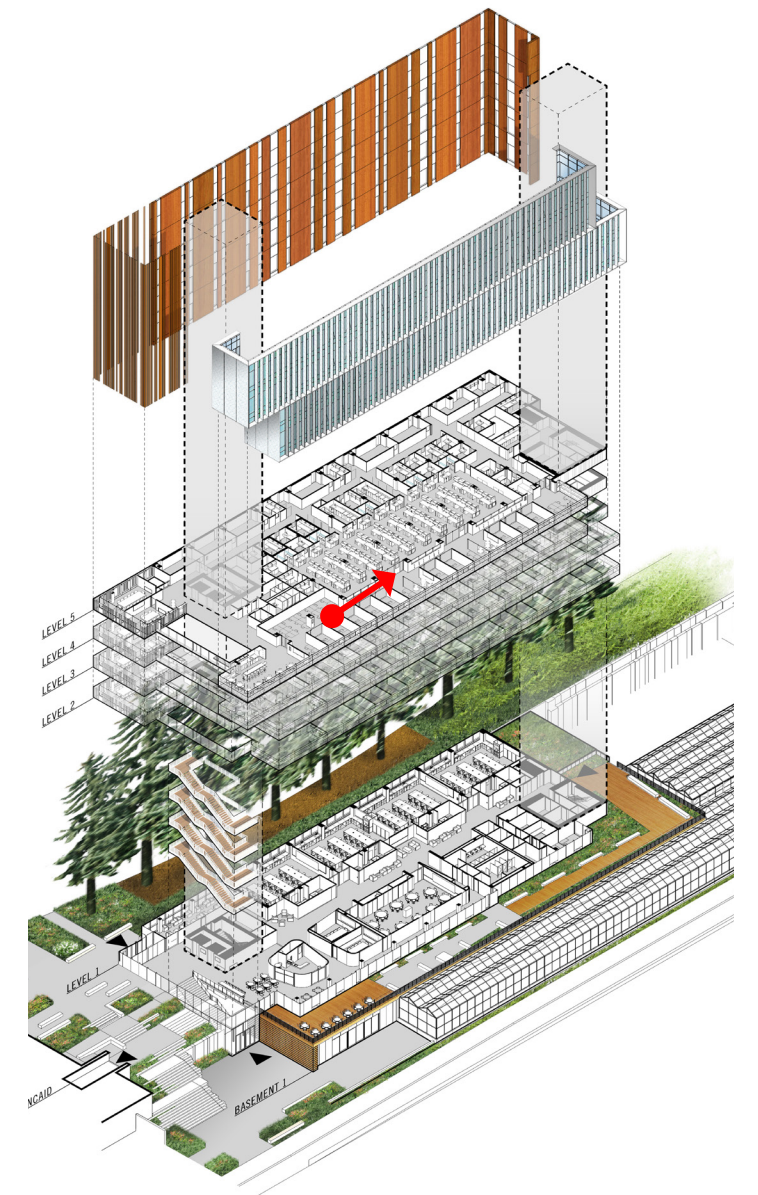
LEVEL 1 // CAFE



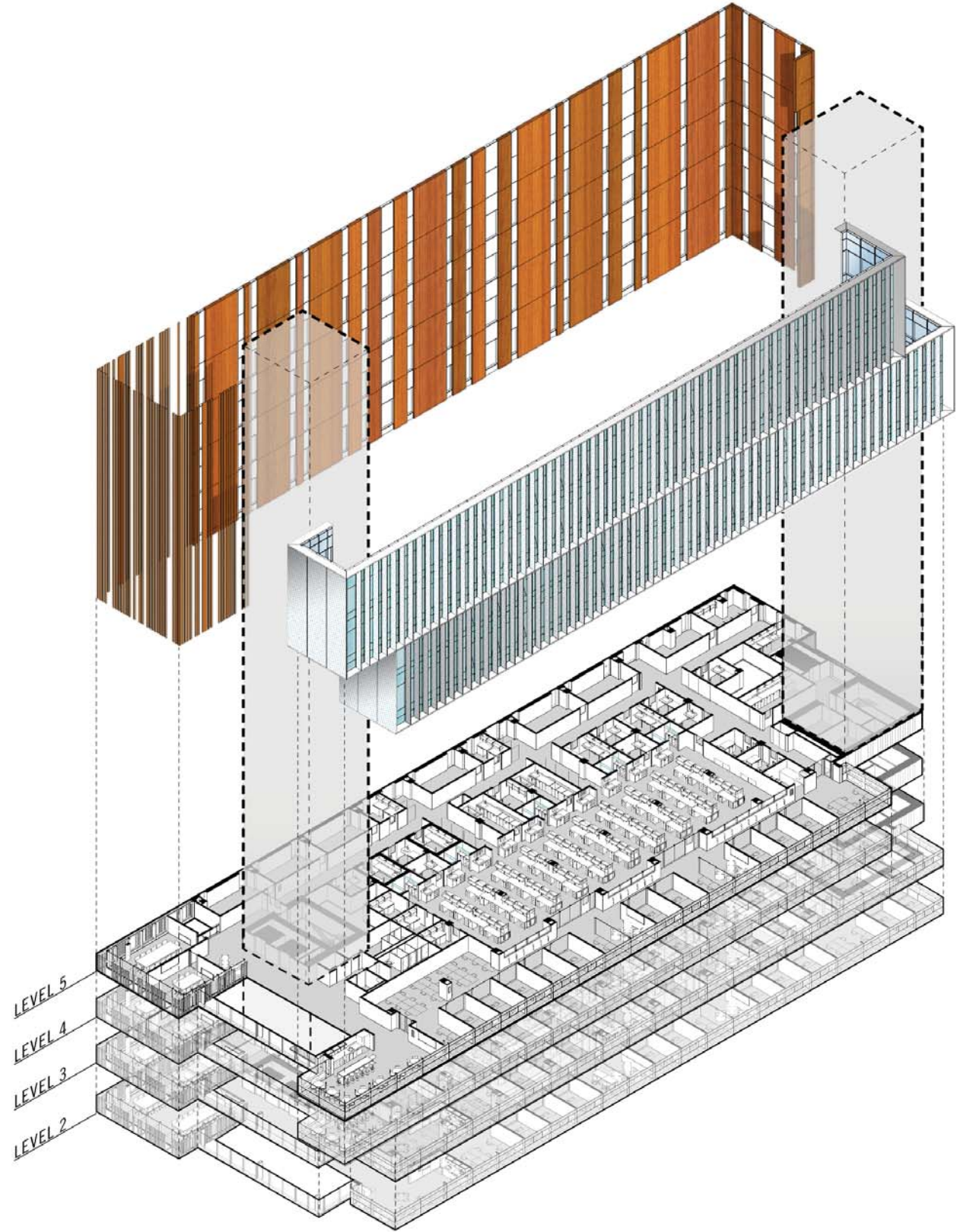
LEVEL 1 // OUTDOOR DECK



LEVEL 2-5 // OFFICE CORRIDOR



6. EXTERIOR DESIGN

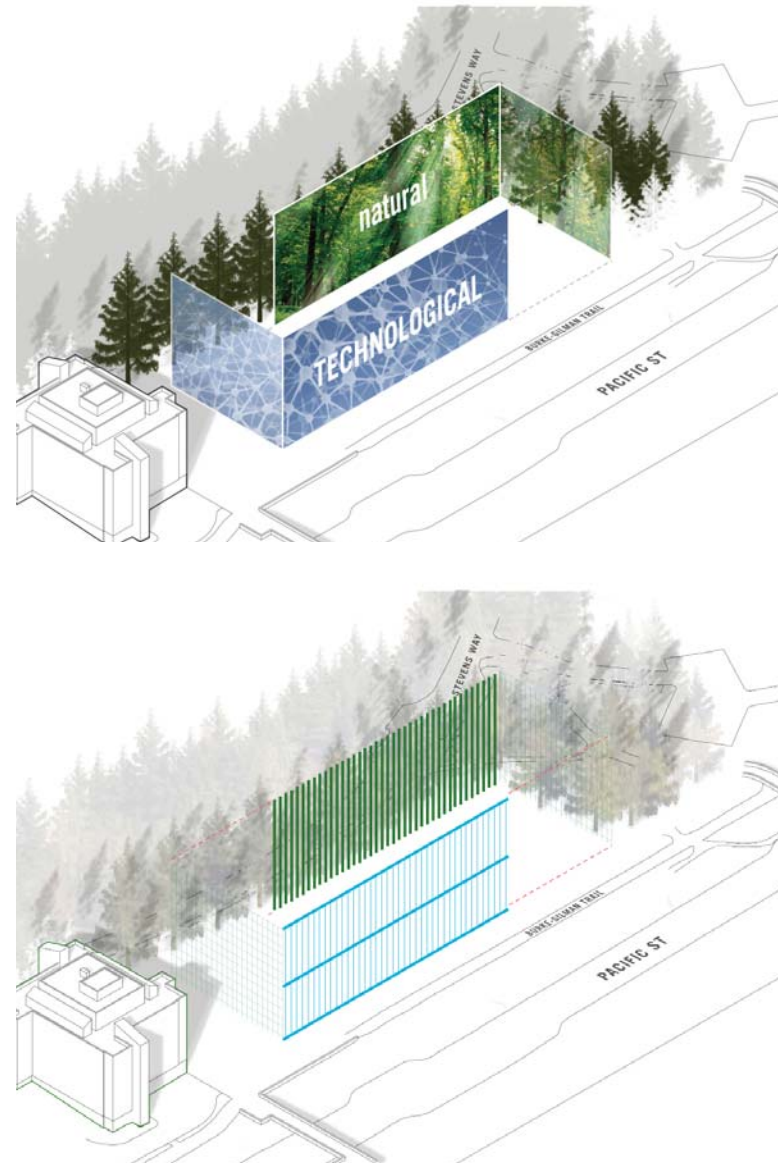


EXTERIOR DESIGN DRIVERS

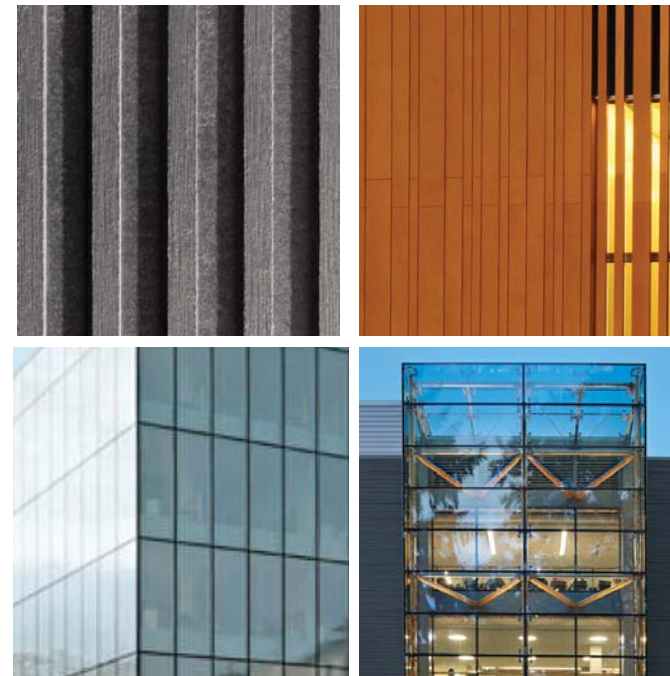
PROGRAMMING



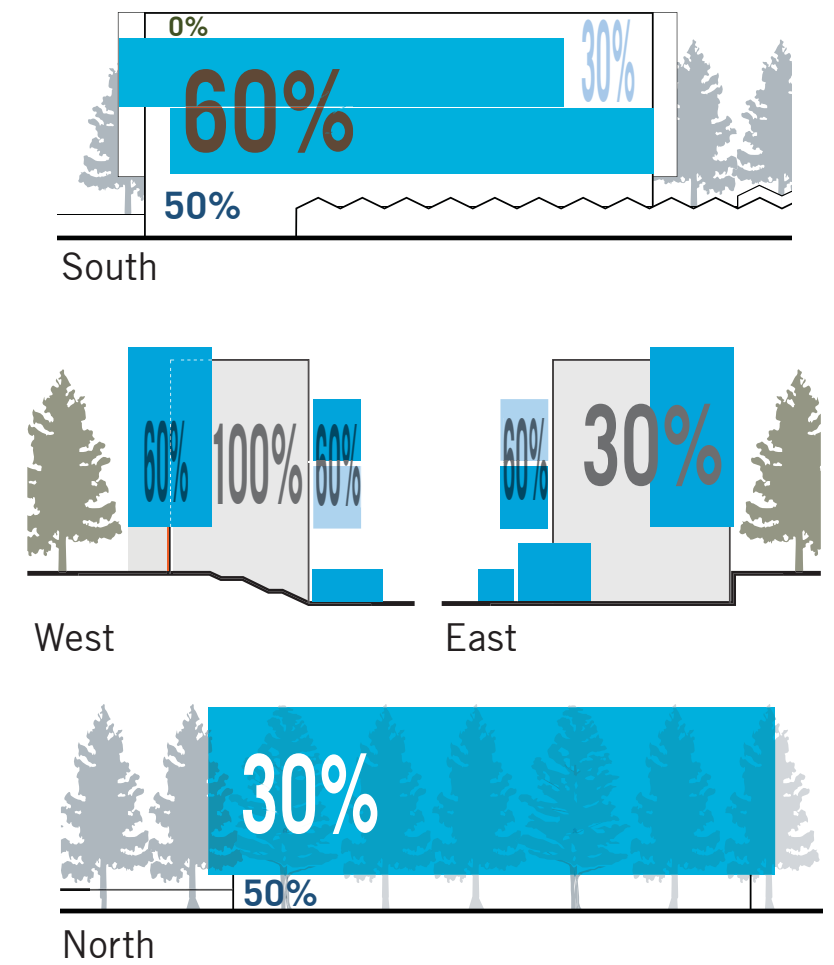
IDENTITY + GRAIN



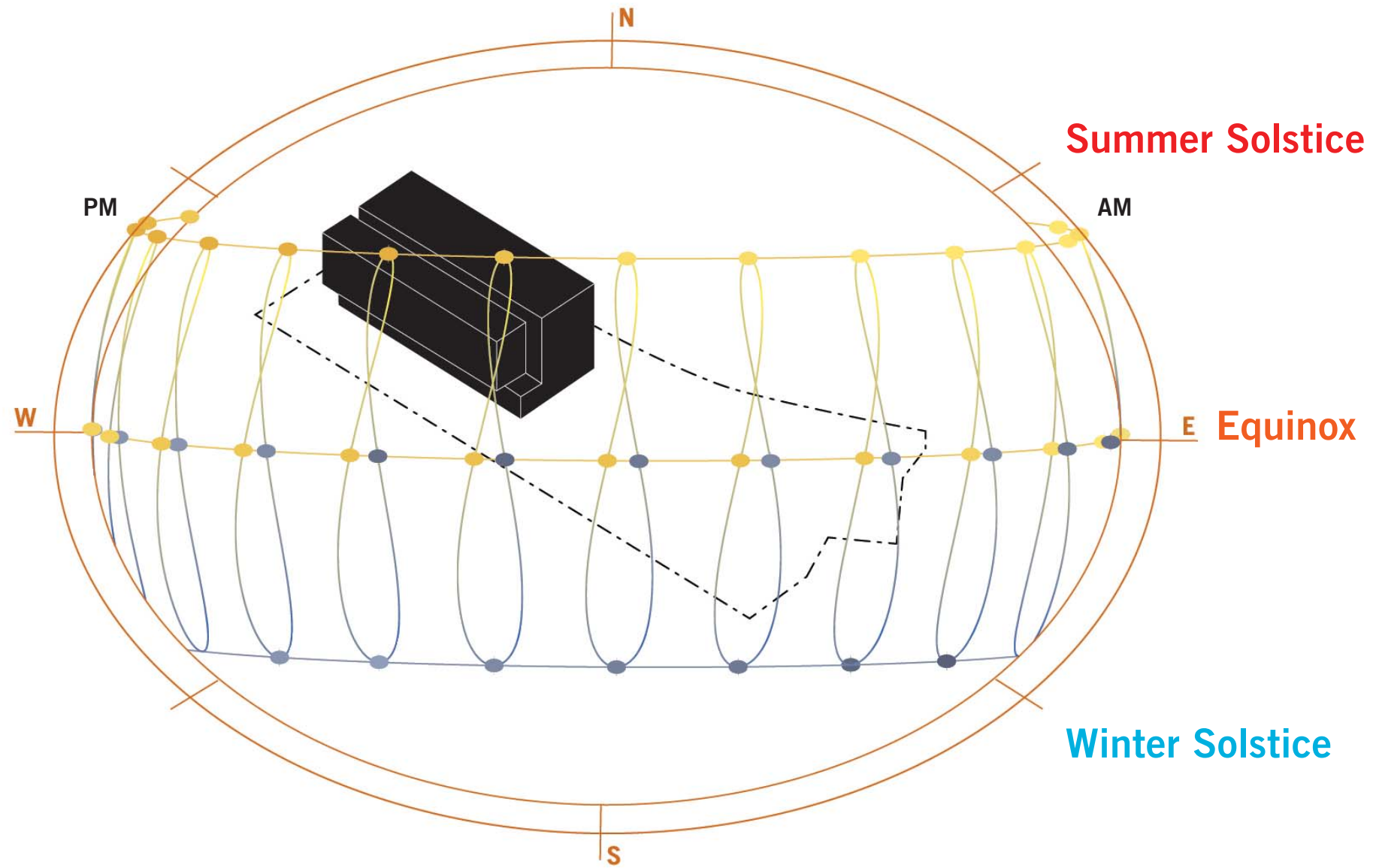
UNITY + MATERIALITY



PERFORMANCE



PERFORMANCE - SOLAR ORIENTATION



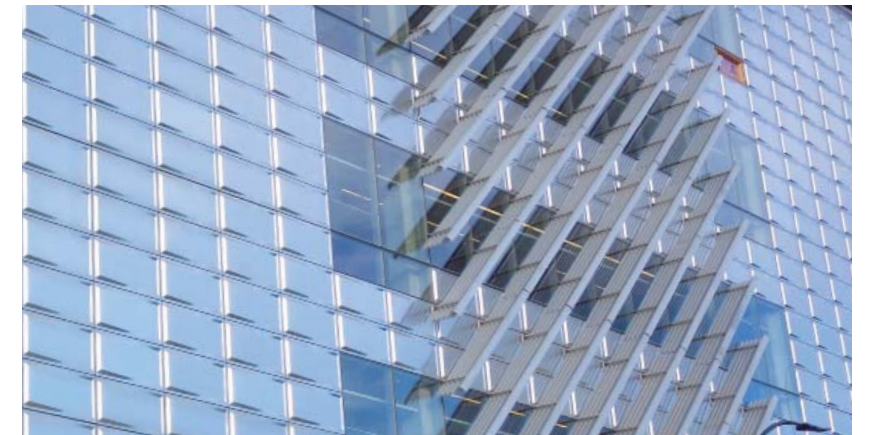
Traditional Solar Shading Strategies



Vertical



Horizontal



Diagonal

Ecotone = Engagements



SCHEME 1 // MOSAIC FRAME



SCHEME 1 // MOSAIC FRAME

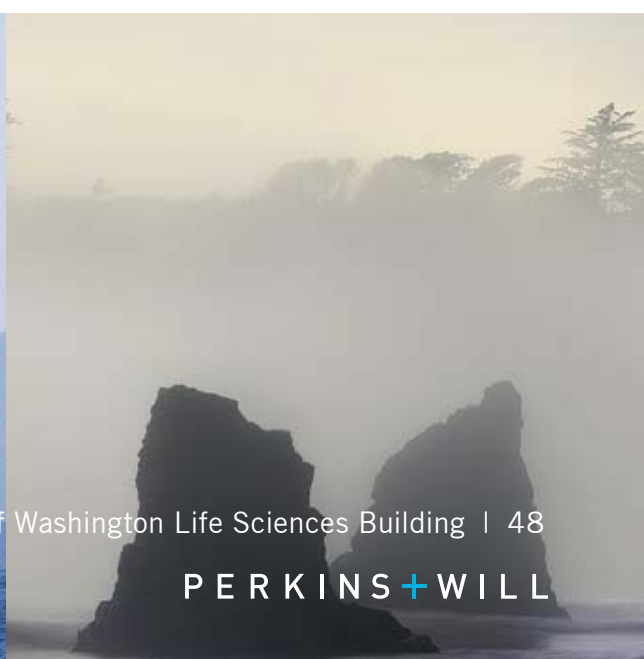
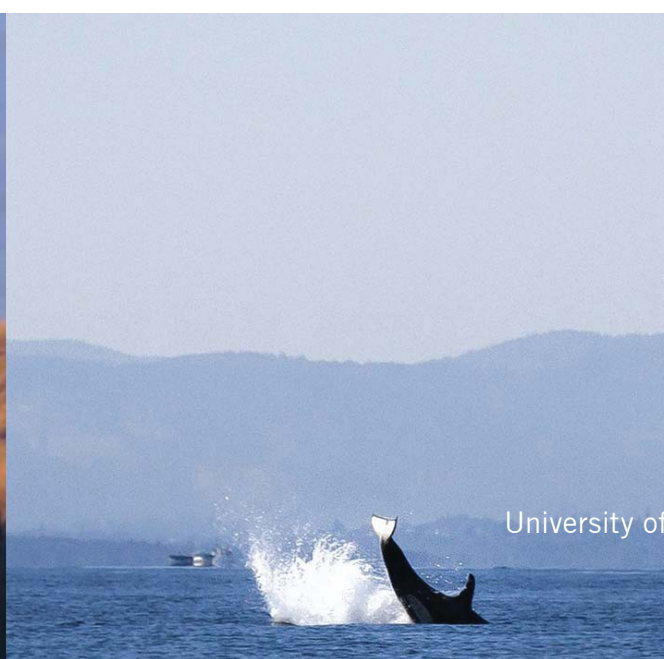
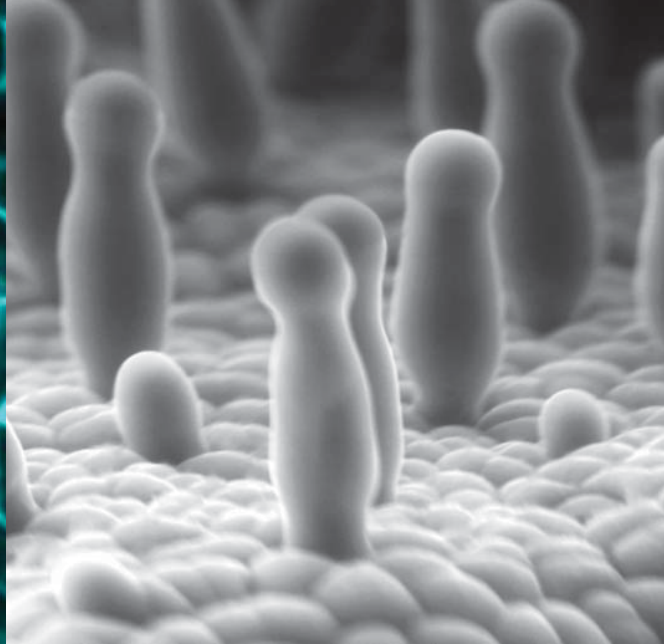
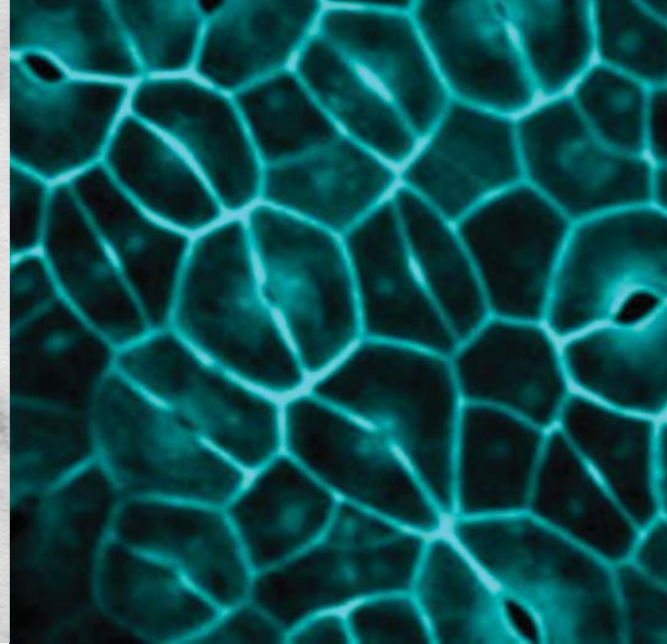
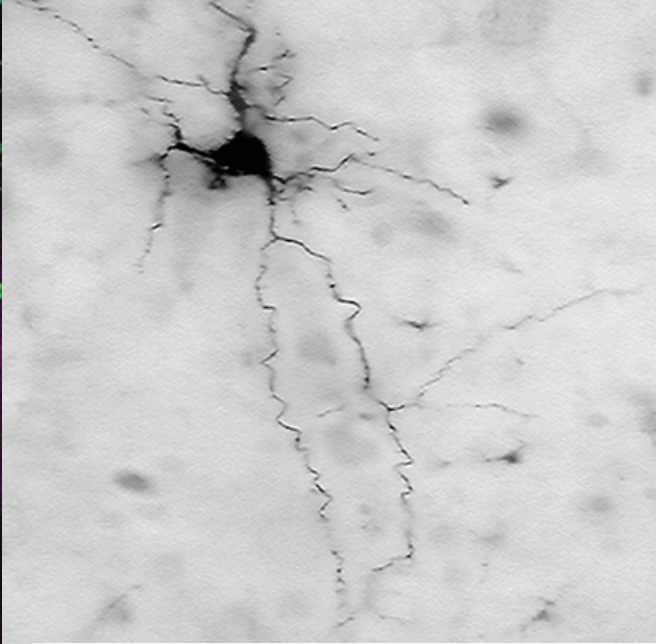
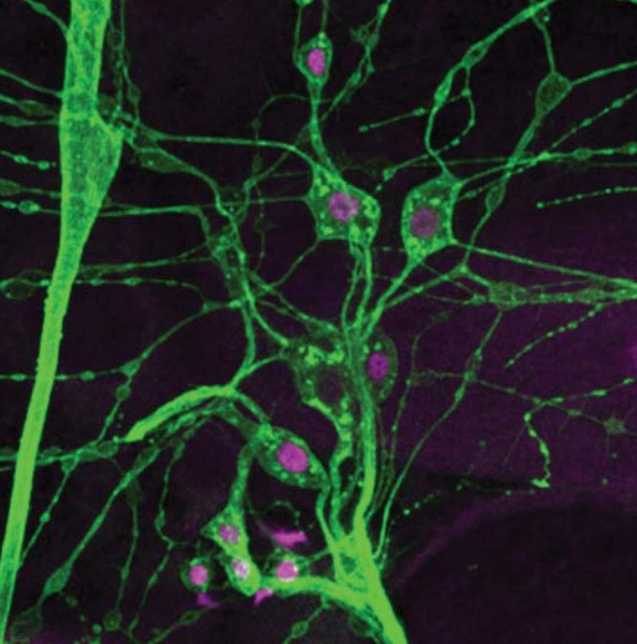


SCHEME 2 // VERTICAL FINNS



SCHEME 2 // VERTICAL FINNS





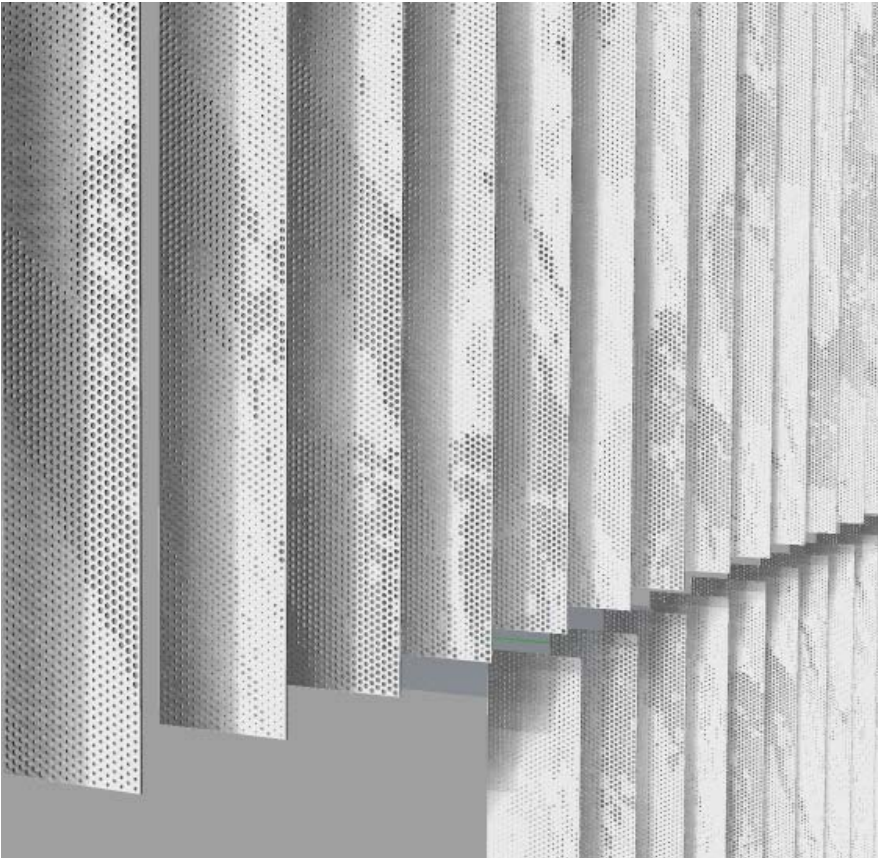
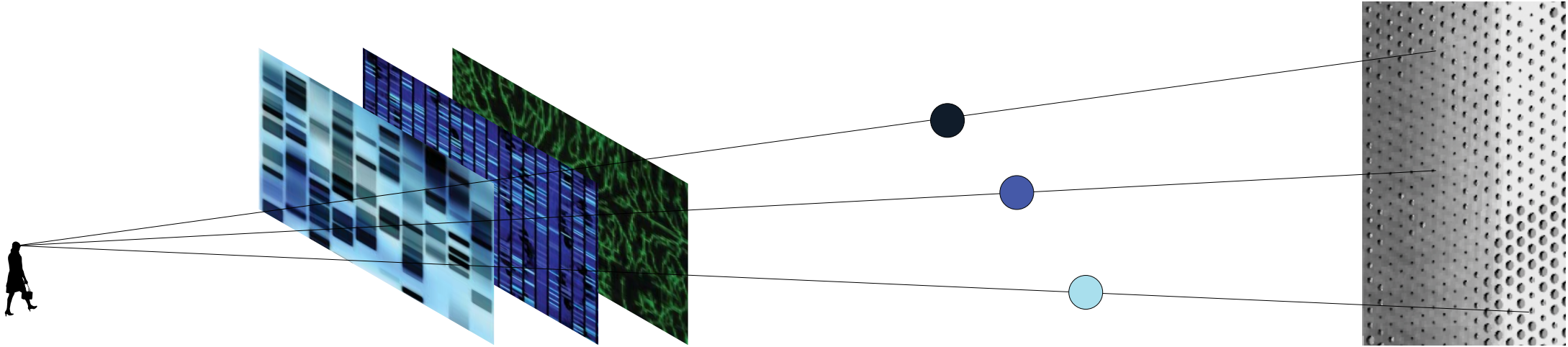
SCHEME 2 // VERTICAL FINS PATTERN STUDY

SELECT A POINT OF VIEW

SELECT AN IMAGE

TRACE VIEW RAYS

SIZE PERFORATIONS BY IMAGE COLORS



SCHEME 2 // VERTICAL FINS PATTERN STUDY



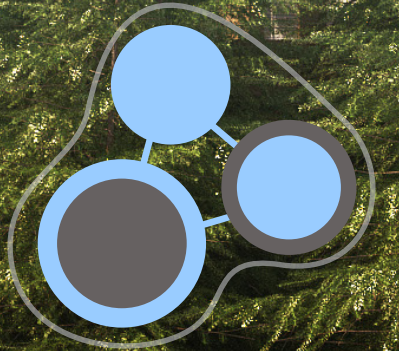
Science on Display



Transformation



SCIENCE IS A GATEWAY



CONNECT

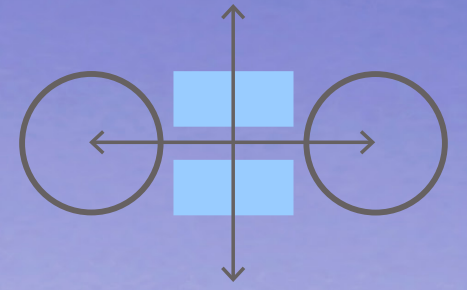


ENGAGE

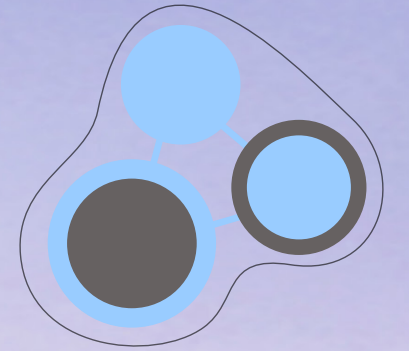
Enhanced Connections to Campus



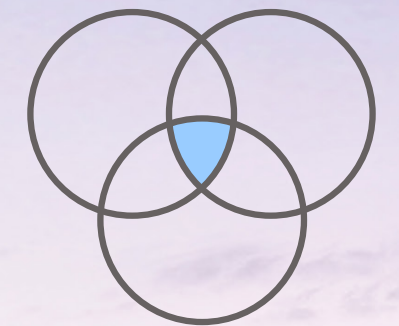
Ecotone = Engagements



SCIENCE IS A GATEWAY

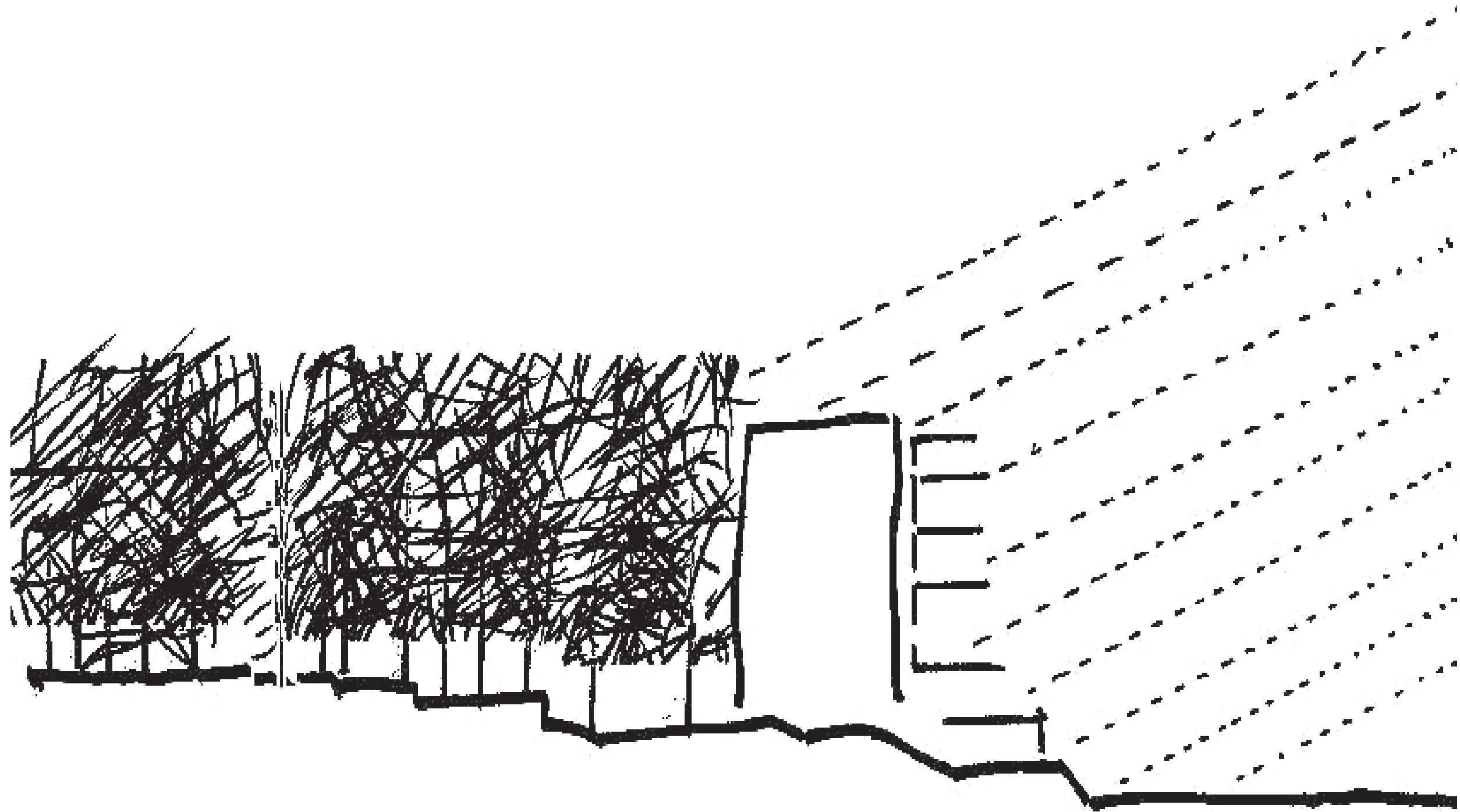


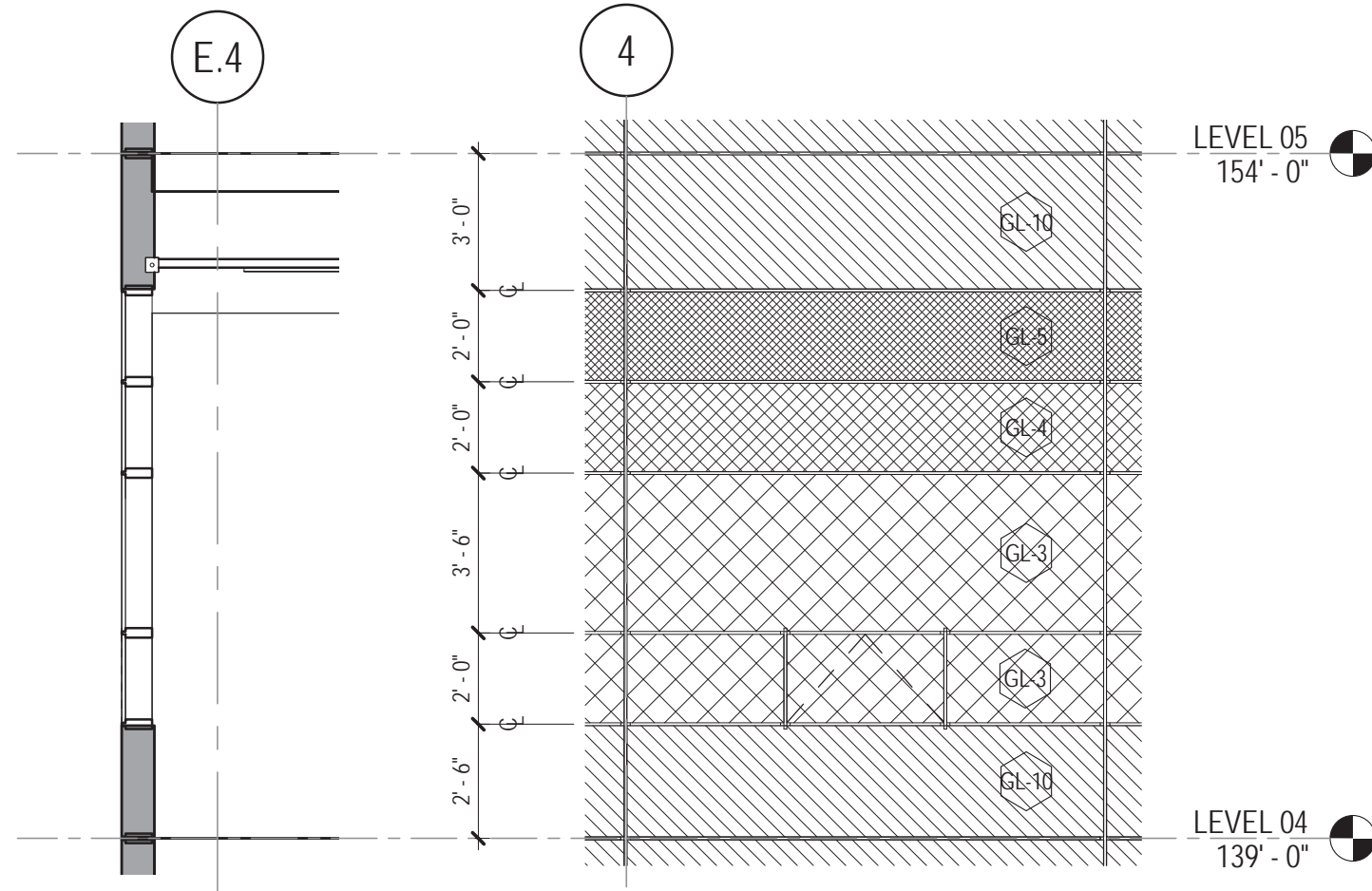
CONNECT



ENGAGE

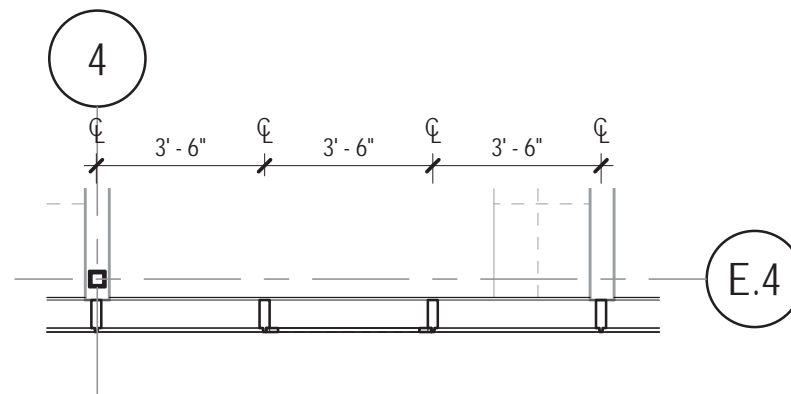
APPENDIX





1 SECTION OPT 1
1/4" = 1'-0"

2 ELEVATION OPT 1
1/4" = 1'-0"

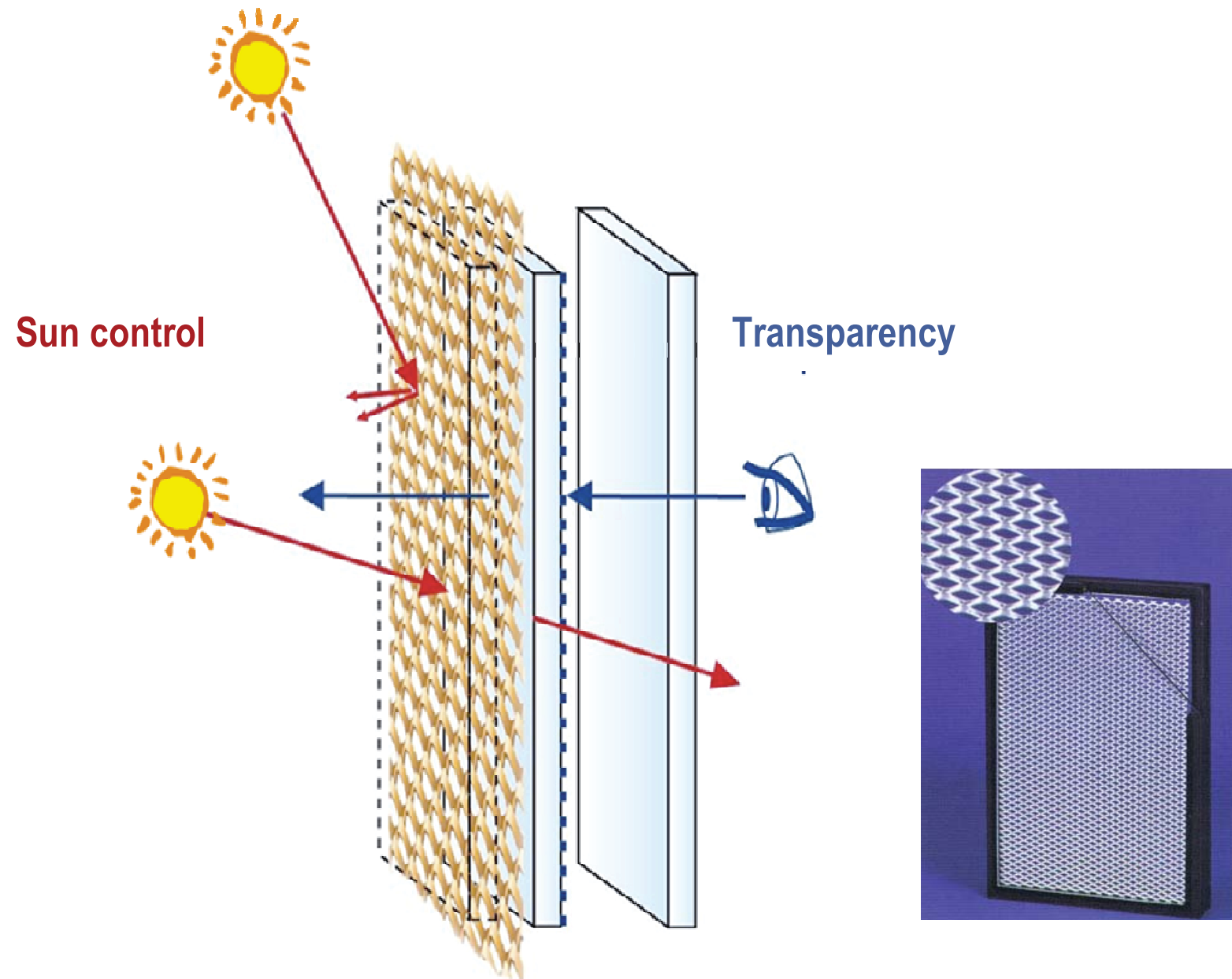


3 PLAN OPTION 1
1/4" = 1'-0"

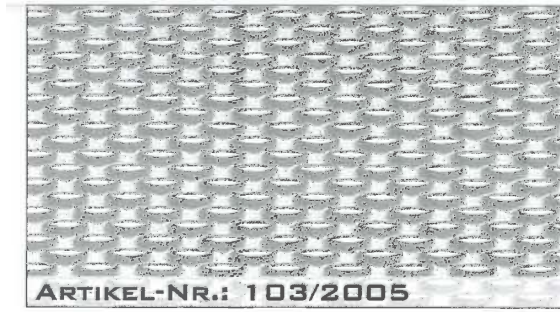
MATERIALS LEGEND	
	GL-1 SOLARBAN 70
	GL-2 SOLARBAN 70 WITH SPANDREL FLOOD COAT ON #4 SURFACE
	GL-3 SOLARBAN 70 TRIPLE GLAZED MESH INNER LAYER #1
	GL-4 SOLARBAN 70 TRIPLE GLAZED MESH INNER LAYER #2
	GL-5 SOLARBAN 70 TRIPLE GLAZED MESH INNER LAYER #3
	GL-9 SOLARBAN 70 TRIPLE GLAZED MESH INNER LAYER #2 SPANDREL FLOOD COAT ON #4 SURFACE
	GL-10 SOLARBAN 70 TRIPLE GLAZED MESH INNER LAYER #3 SPANDREL FLOOD COAT ON #4 SURFACE
	GL-12 SOLARBAN 70 TRIPLE GLAZED LOW E COATING ON #2 (ALT. ELECTROCHROMATIC)
	GL-13 SOLARBAN 70 DOUBLE GLAZED LOW E COATING ON #2 & #4

OKATECH

- Reduces Solar Heat Gain
- Allows views out
- Technological metallic look
- Triple glazed IGU U-Value w/ Argon .21
- Solar Heat Gain Coefficient (SHGC): 3% - 36% dependent on angle of sun



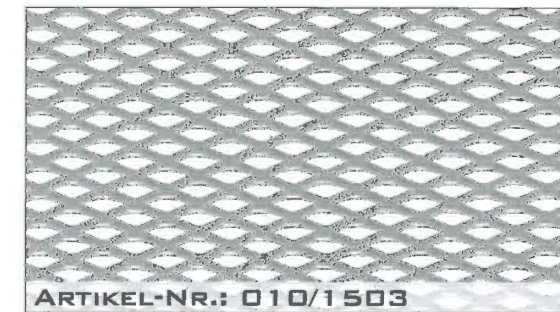
Expanded Metal Mesh Types



Alle Maschen in verschiedenen Materialstärken (s) und Stegbreiten (c) lieferbar.



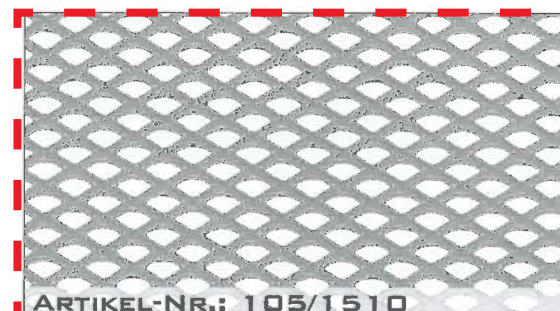
Alle Maschen in verschiedenen Materialstärken (s) und Stegbreiten (c) lieferbar.



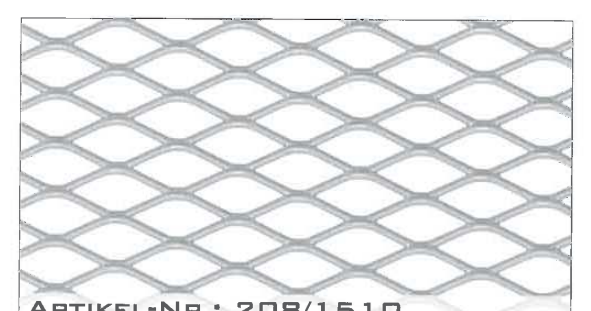
Alle Maschen in verschiedenen Materialstärken (s) und Stegbreiten (c) lieferbar.



Alle Maschen in verschiedenen Materialstärken (s) und Stegbreiten (c) lieferbar.



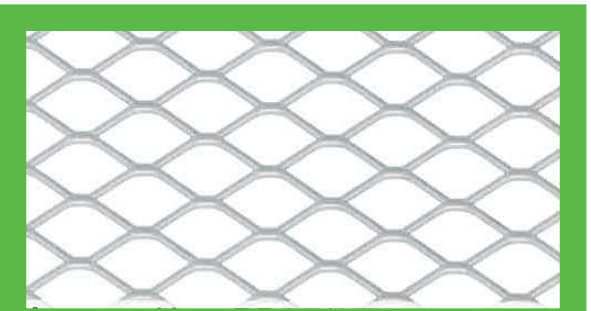
Alle Maschen in verschiedenen Materialstärken (s) und Stegbreiten (c) lieferbar.



Alle Maschen in verschiedenen Materialstärken (s) und Stegbreiten (c) lieferbar.

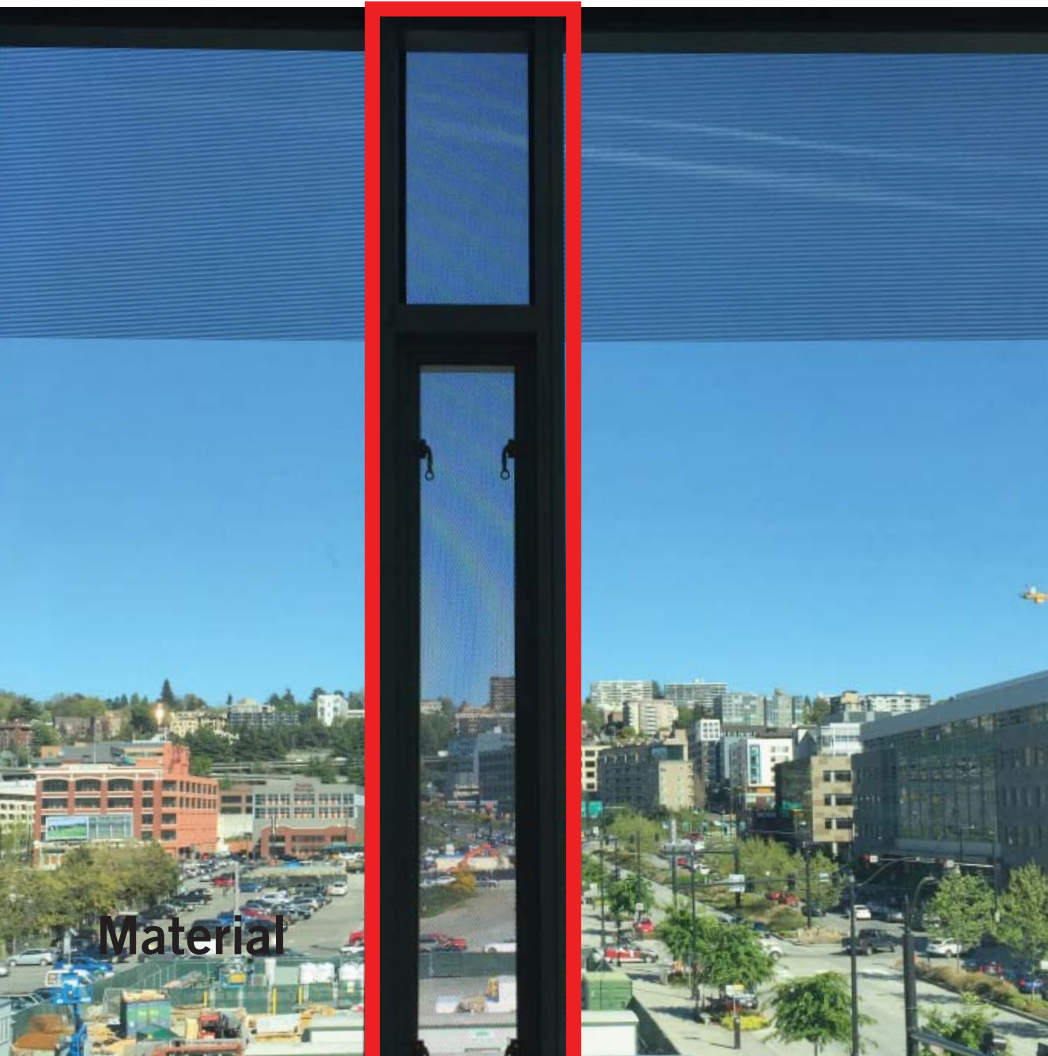


Alle Maschen in verschiedenen Materialstärken (s) und Stegbreiten (c) lieferbar.



Alle Maschen in verschiedenen Materialstärken (s) und Stegbreiten (c) lieferbar.

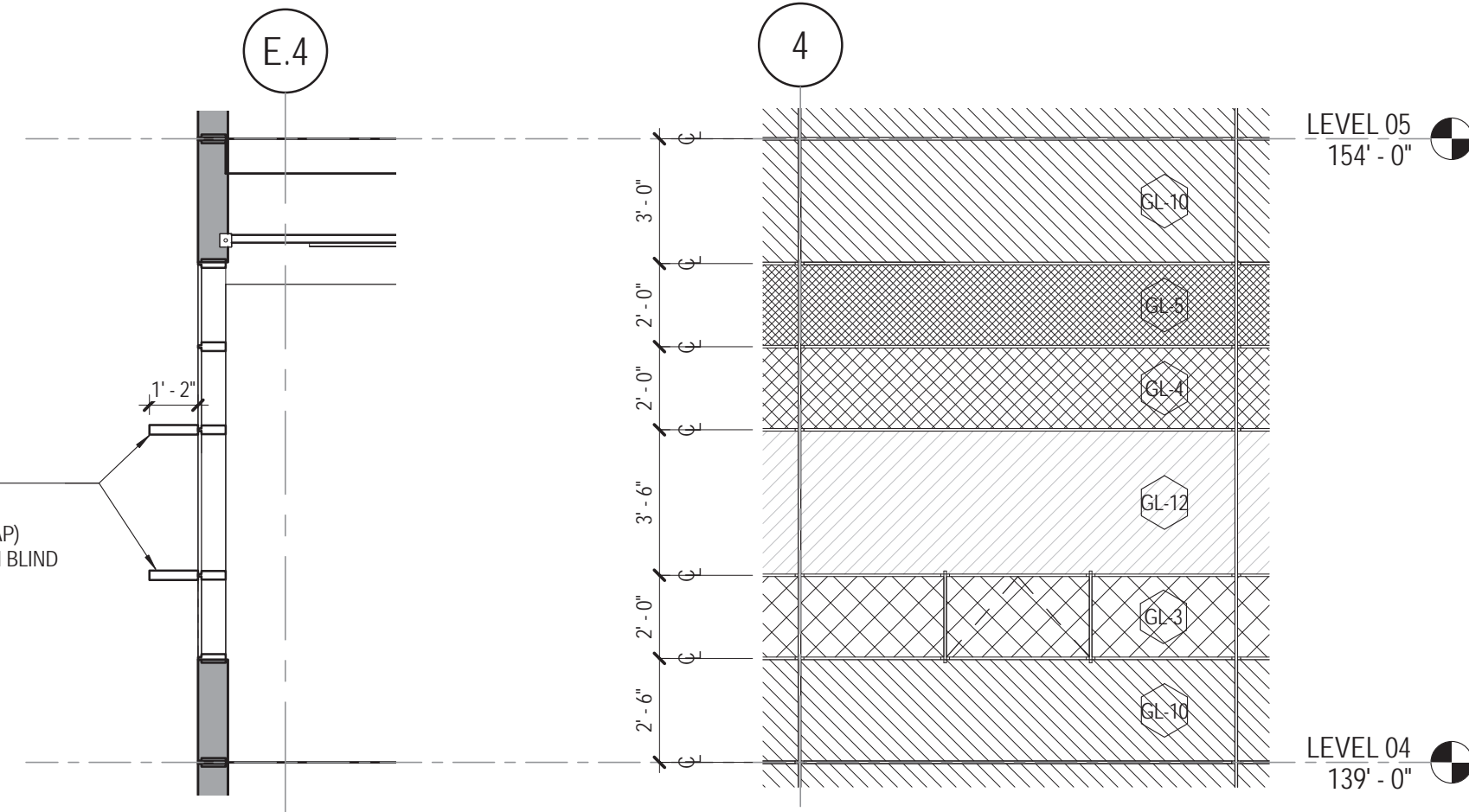




Material

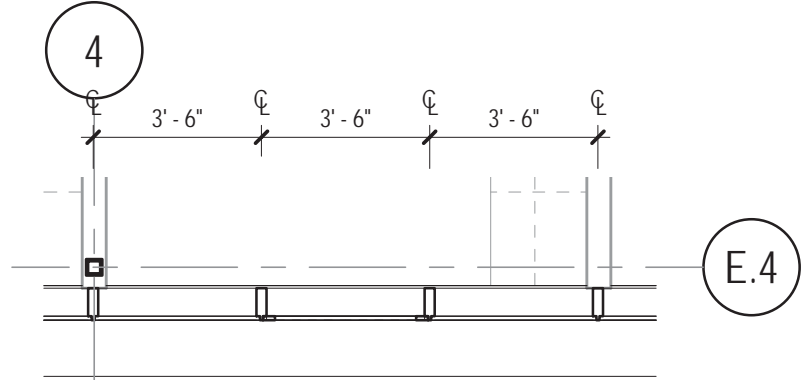


PERFORATED ALUM SUNSHADE
 (ALT1: GLASS)
 (ALT2: STANDARD CURTAINWALL MULLION CAP)
 (ALT3: FLUSH MOUNTED EXTERIOR VENETIAN BLIND)
 BASIS OF DESIGN: WAREMA



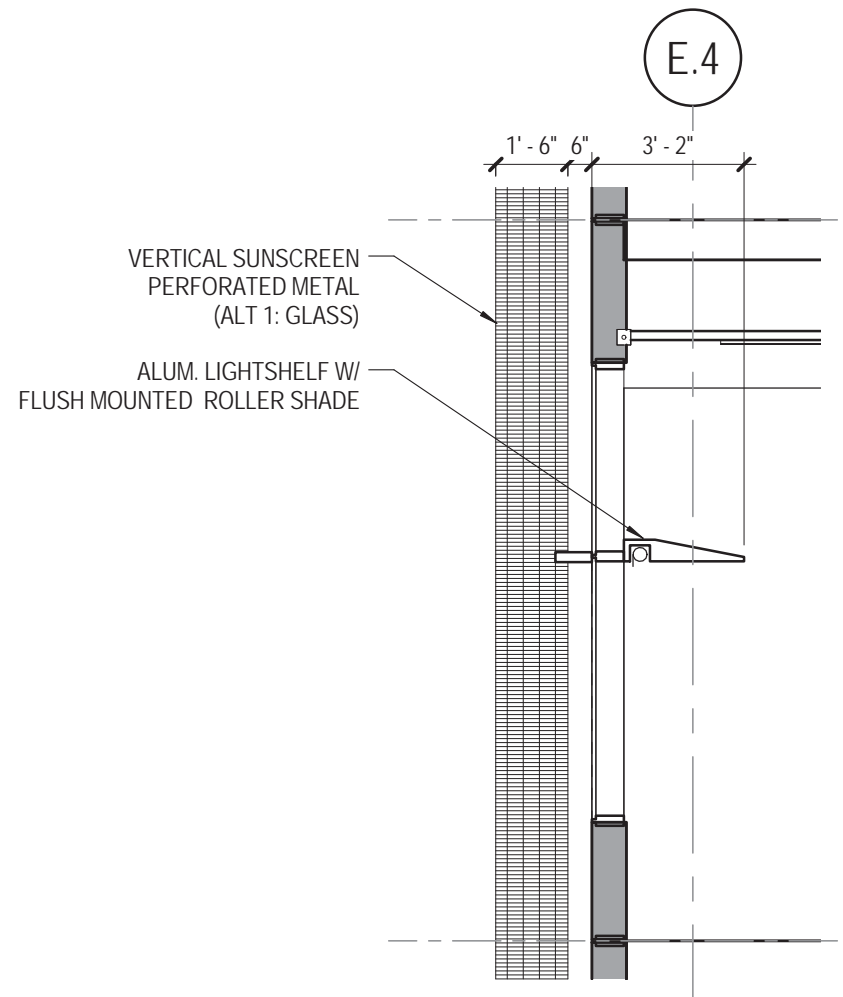
1 SECTION OPT 2
 1/4" = 1'-0"

2 ELEVATION OPT 2
 1/4" = 1'-0"

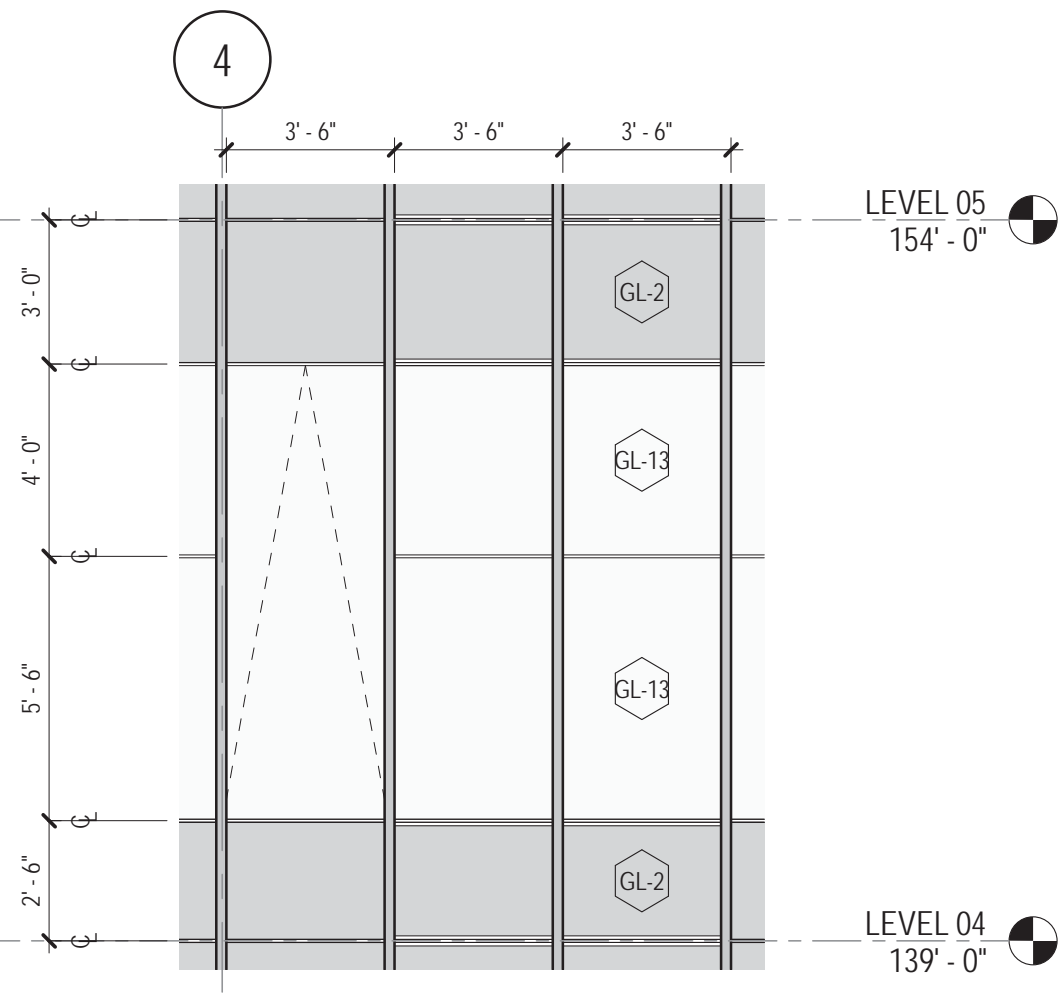


3 PLAN OPTION 2
 1/4" = 1'-0"

MATERIALS LEGEND	
	GL-1 SOLARBAN 70
	GL-2 SOLARBAN 70 WITH SPANDREL FLOOD COAT ON #4 SURFACE
	GL-3 SOLARBAN 70 TRIPLE GLAZED MESH INNER LAYER #1
	GL-4 SOLARBAN 70 TRIPLE GLAZED MESH INNER LAYER #2
	GL-5 SOLARBAN 70 TRIPLE GLAZED MESH INNER LAYER #3
	GL-9 SOLARBAN 70 TRIPLE GLAZED MESH INNER LAYER #2 SPANDREL FLOOD COAT ON #4 SURFACE
	GL-10 SOLARBAN 70 TRIPLE GLAZED MESH INNER LAYER #3 SPANDREL FLOOD COAT ON #4 SURFACE
	GL-12 SOLARBAN 70 TRIPLE GLAZED LOW E COATING ON #2 (ALT. ELECTROCHROMATIC)
	GL-13 SOLARBAN 70 DOUBLE GLAZED LOW E COATING ON #2 & #4

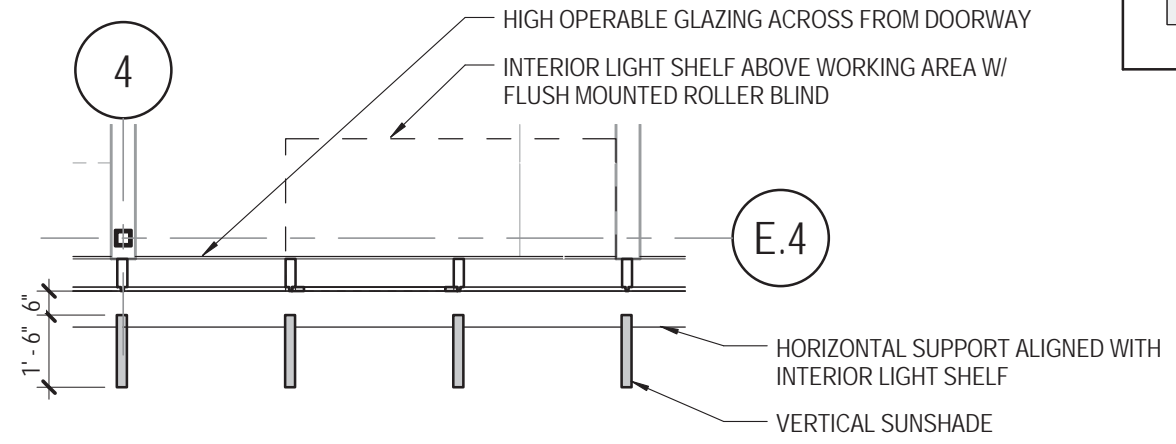


1 SECTION OPT 3
1/4" = 1'-0"



2 ELEVATION OPT 3
1/4" = 1'-0"

MATERIALS LEGEND	
	GL-1 SOLARBAN 70
	GL-2 SOLARBAN 70 WITH SPANDREL FLOOD COAT ON #4 SURFACE
	GL-3 SOLARBAN 70 TRIPLE GLAZED MESH INNER LAYER #1
	GL-4 SOLARBAN 70 TRIPLE GLAZED MESH INNER LAYER #2
	GL-5 SOLARBAN 70 TRIPLE GLAZED MESH INNER LAYER #3
	GL-9 SOLARBAN 70 TRIPLE GLAZED MESH INNER LAYER #2 SPANDREL FLOOD COAT ON #4 SURFACE
	GL-10 SOLARBAN 70 TRIPLE GLAZED MESH INNER LAYER #3 SPANDREL FLOOD COAT ON #4 SURFACE
	GL-12 SOLARBAN 70 TRIPLE GLAZED LOW E COATING ON #2 (ALT. ELECTROCHROMATIC)
	GL-13 SOLARBAN 70 DOUBLE GLAZED LOW E COATING ON #2 & #4



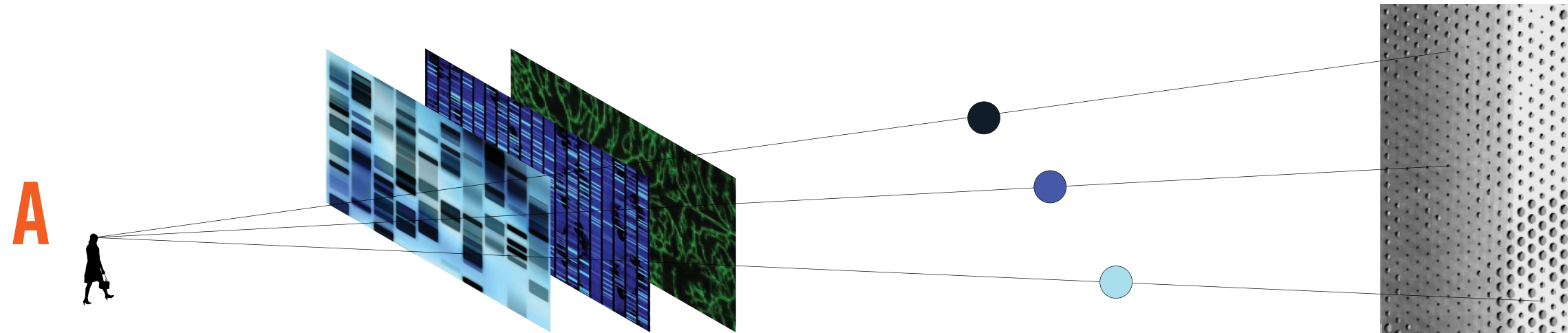
3 PLAN OPTION 3
1/4" = 1'-0"

SELECT A POINT OF VIEW

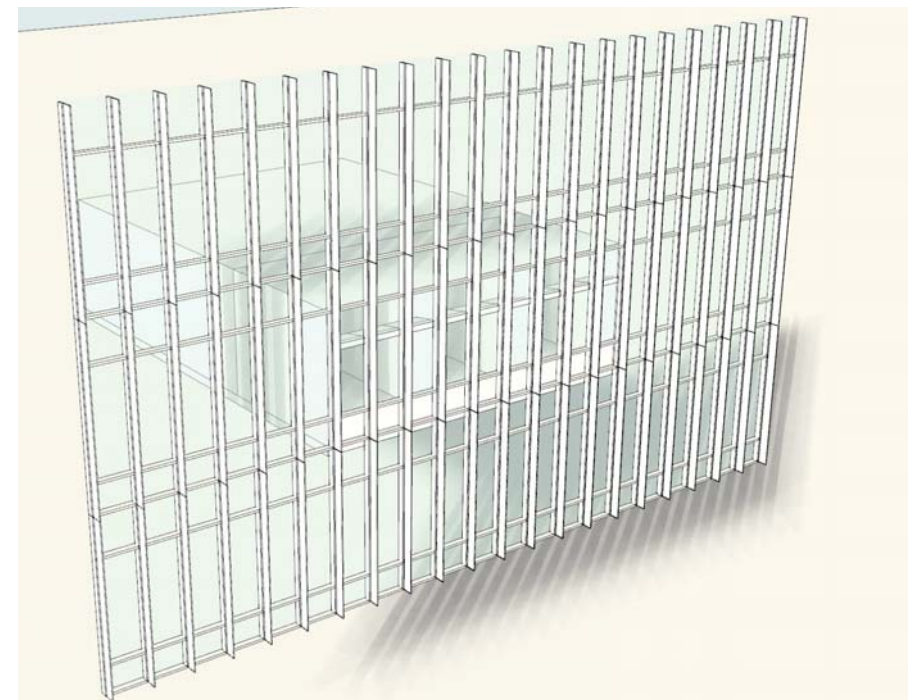
SELECT AN IMAGE

TRACE VIEW RAYS

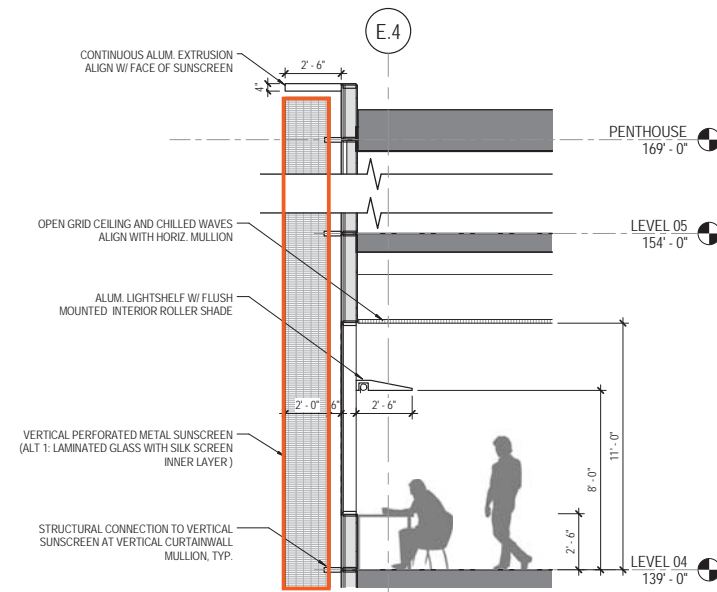
SIZE PERFORATIONS BY IMAGE COLORS



COMPREHENSIVE CONTEXT MODEL AND DETAILED SHOEBOX GEOMETRY



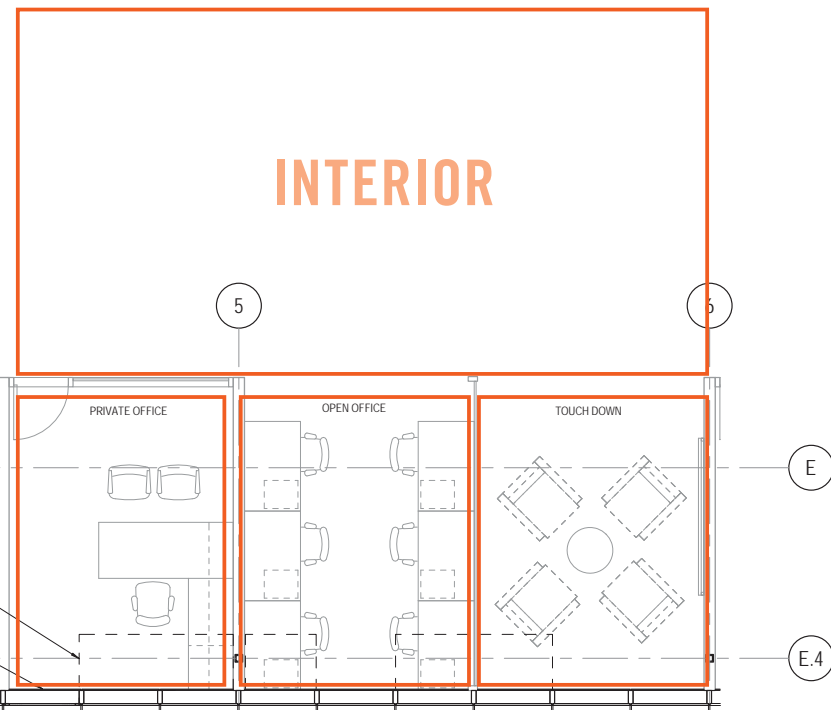
MENU OF OPTIONS AND STUDY AREAS



FIN DEPTH / SPACING

LIGHT SHELF

SHADE + BLIND COMBINATIONS

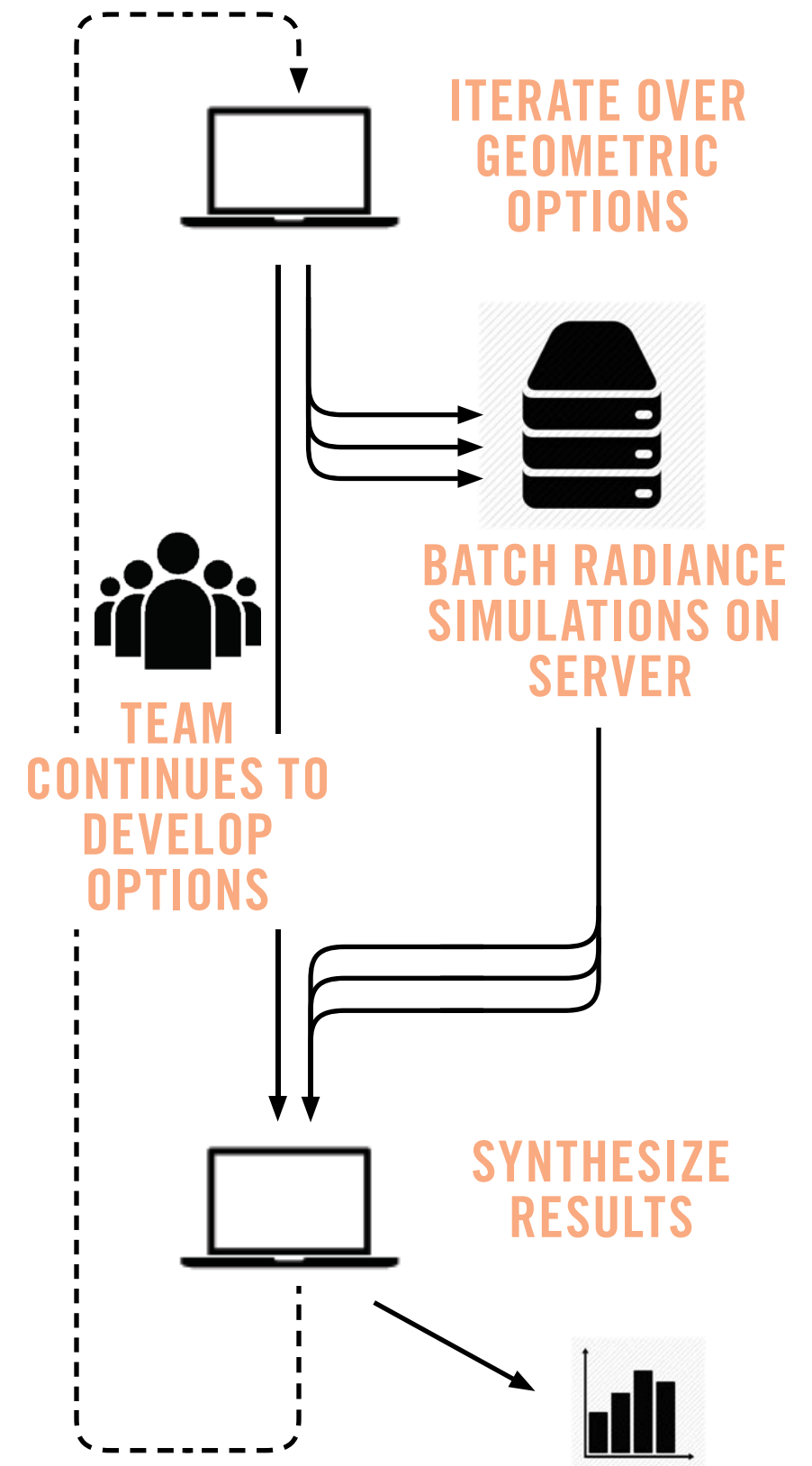


PRIVATE OFFICE

OPEN OFFICE

TOUCH DOWN

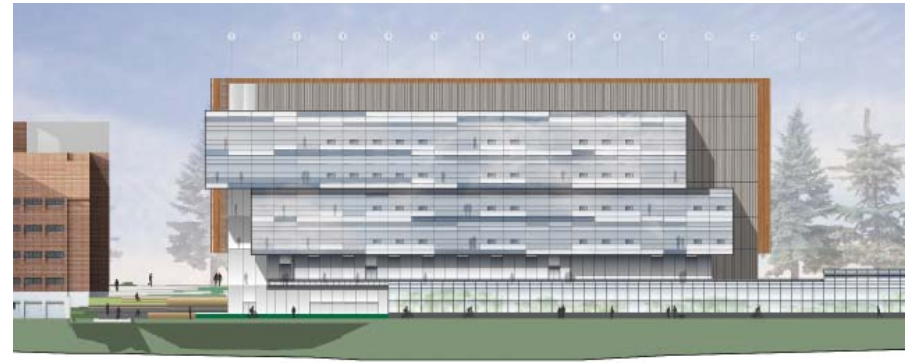
CLOUD COMPUTING SIMULATION PROCESS



SD BASE CASE // MOSAIC



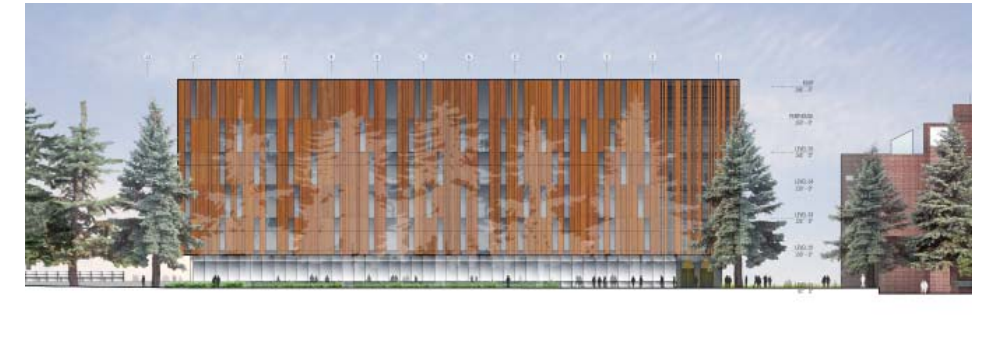
WEST ELEVATION



SOUTH ELEVATION // **OKALUX MOSAIC**



EAST ELEVATION

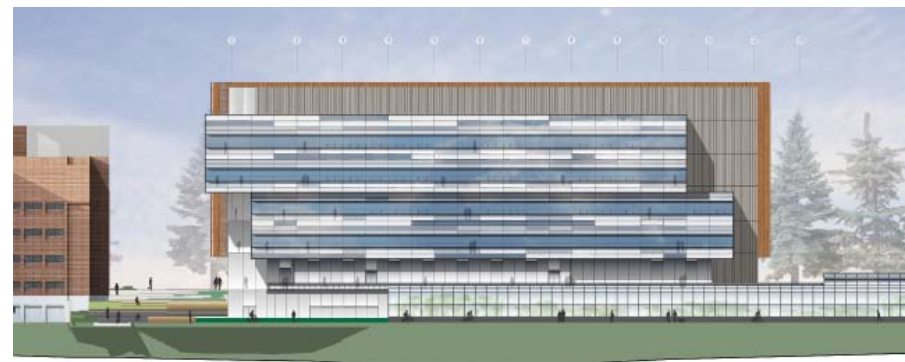


NORTH ELEVATION // **VERTICAL**

SCHEME 2 // MOSAIC FRAME



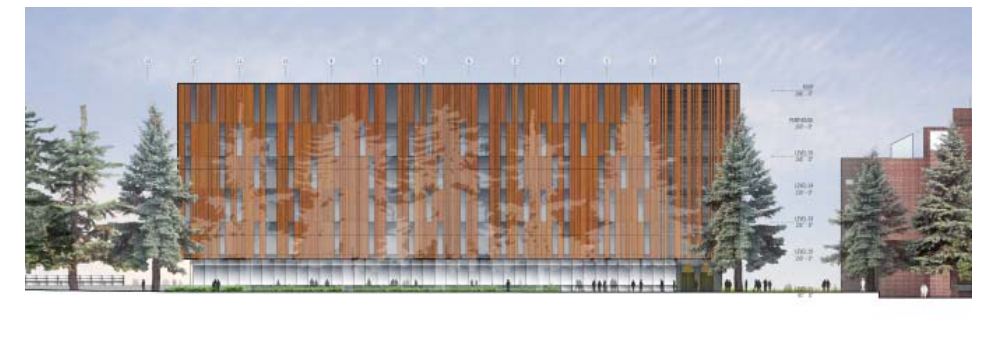
WEST ELEVATION



SOUTH ELEVATION // **MOSAIC FRAME**



EAST ELEVATION



NORTH ELEVATION// **VERTICAL**

SCHEME 3 // VERTICAL FINNS



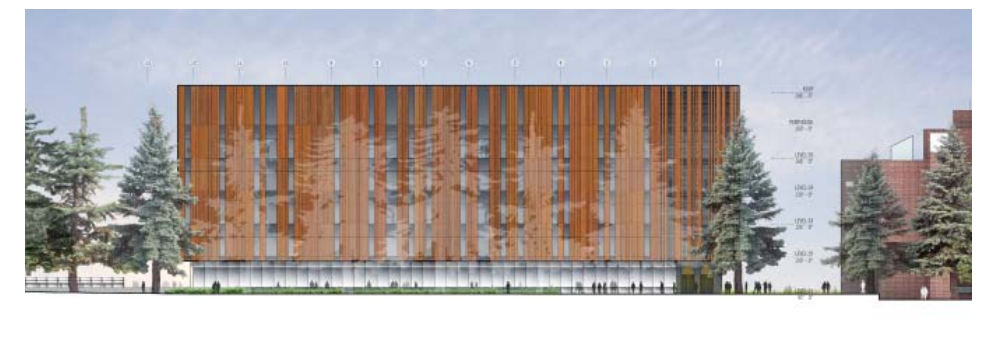
WEST ELEVATION



SOUTH ELEVATION // **VERTICAL FINNS**



EAST ELEVATION



NORTH ELEVATION// **VERTICAL**

SCHEMATIC DESIGN BASE CASE



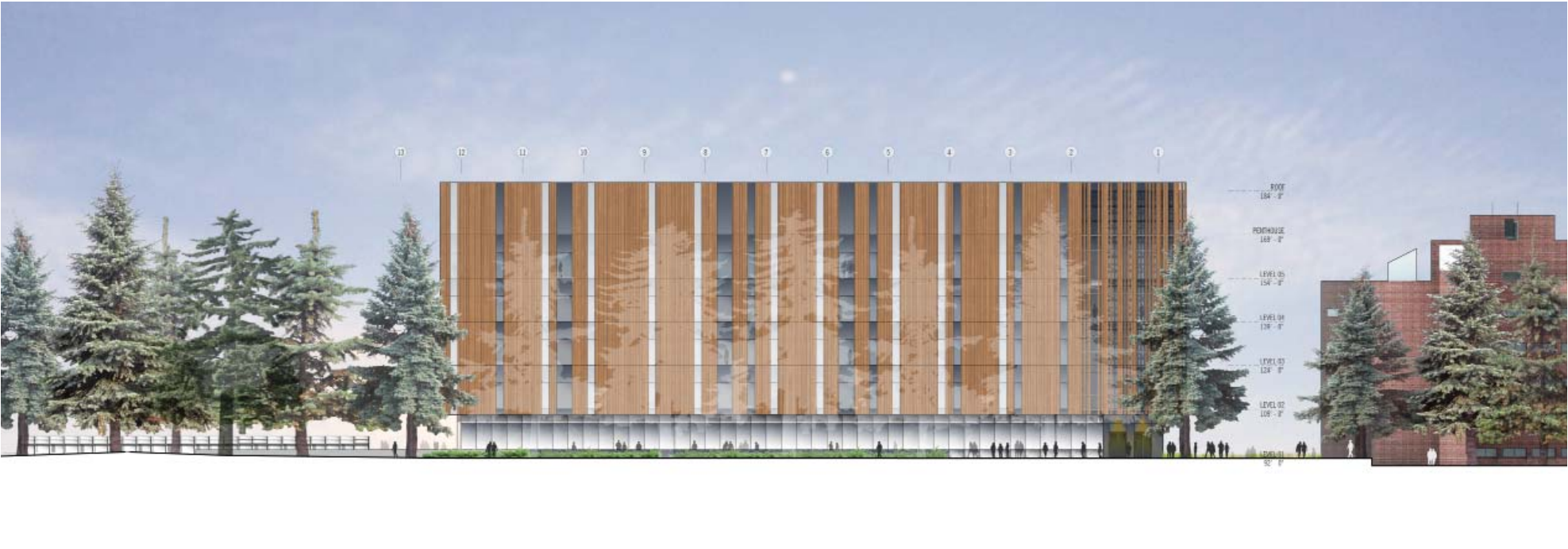
WEST ELEVATION



SOUTH ELEVATION



EAST ELEVATION



NORTH ELEVATION

SD BASE CASE // MOSAIC



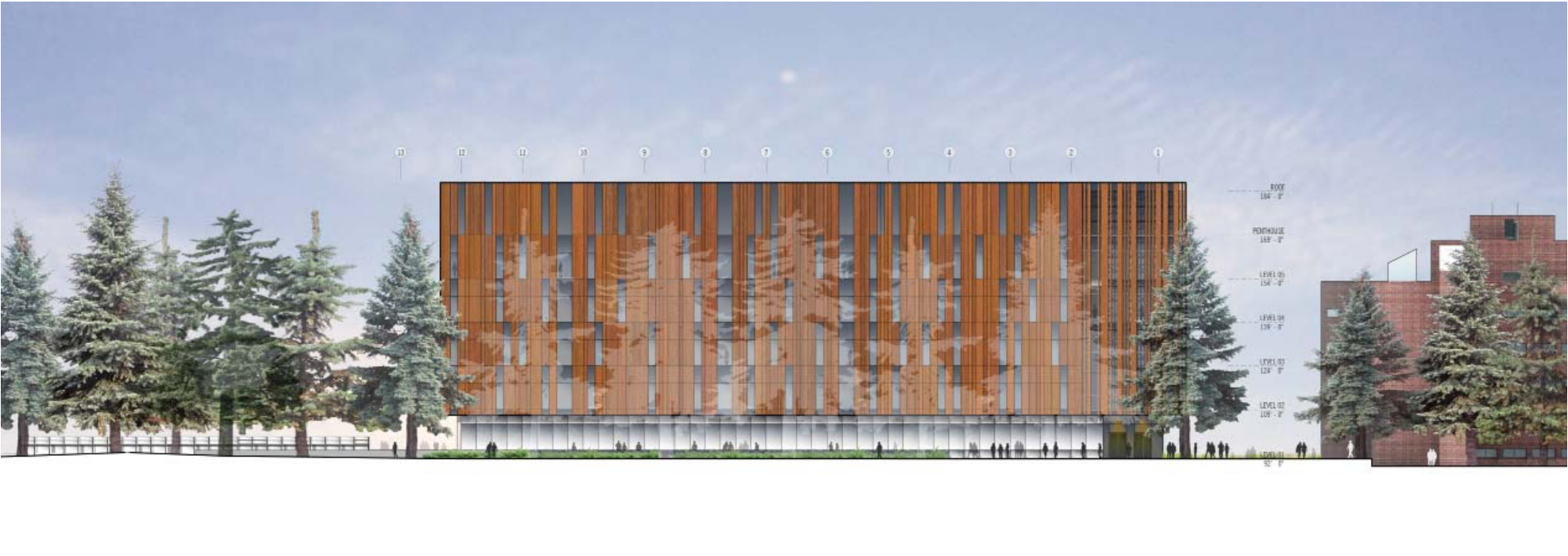
WEST ELEVATION



SOUTH ELEVATION // MOSAIC



EAST ELEVATION



NORTH ELEVATION // VERTICAL MOSAIC

SCHEME 1 // MOSAIC FRAME



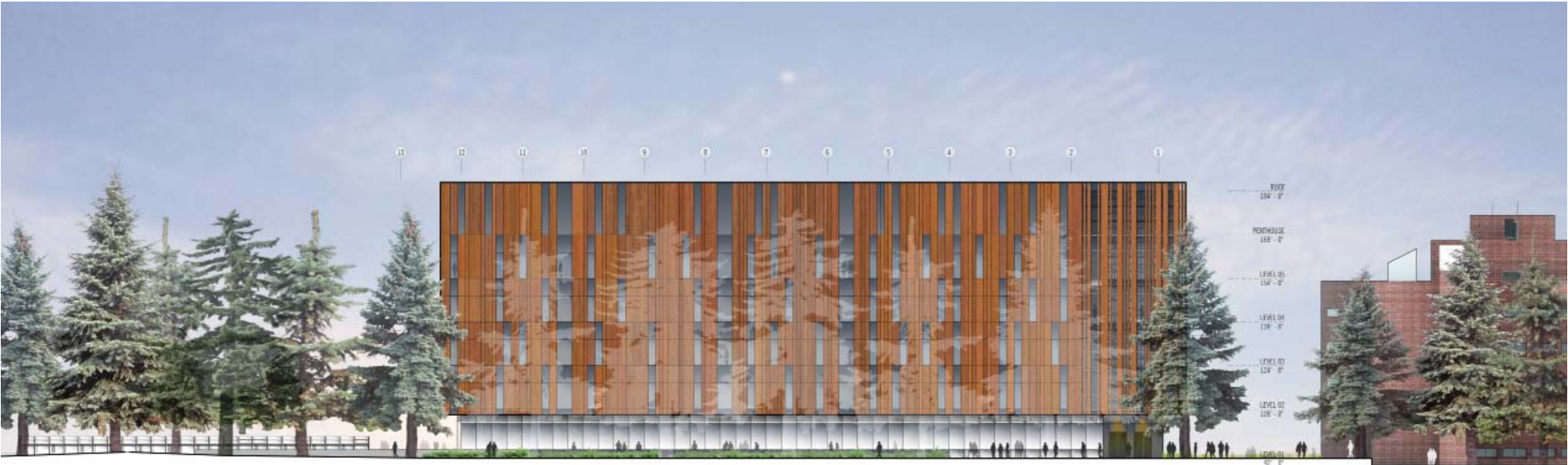
WEST ELEVATION



SOUTH ELEVATION // MOSAIC FRAME



EAST ELEVATION



NORTH ELEVATION // VERTICAL MOSAIC

SCHEME 2 // VERTICAL FINNS



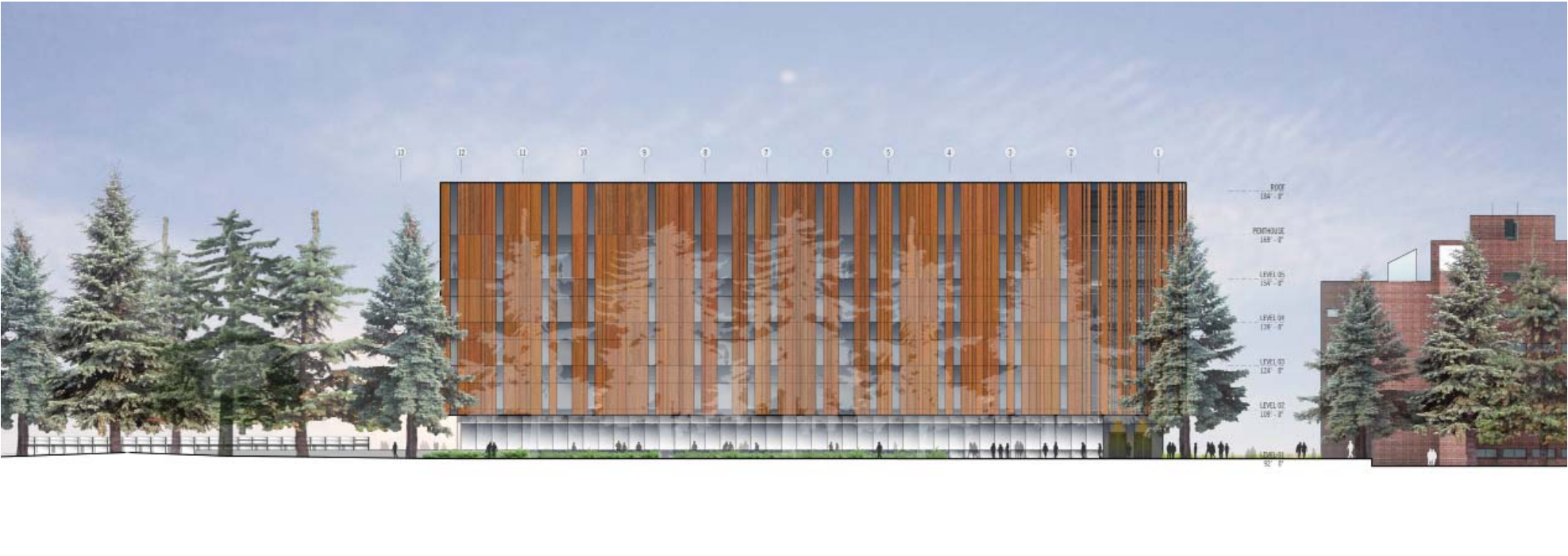
WEST ELEVATION



SOUTH ELEVATION // VERTICAL FINNS

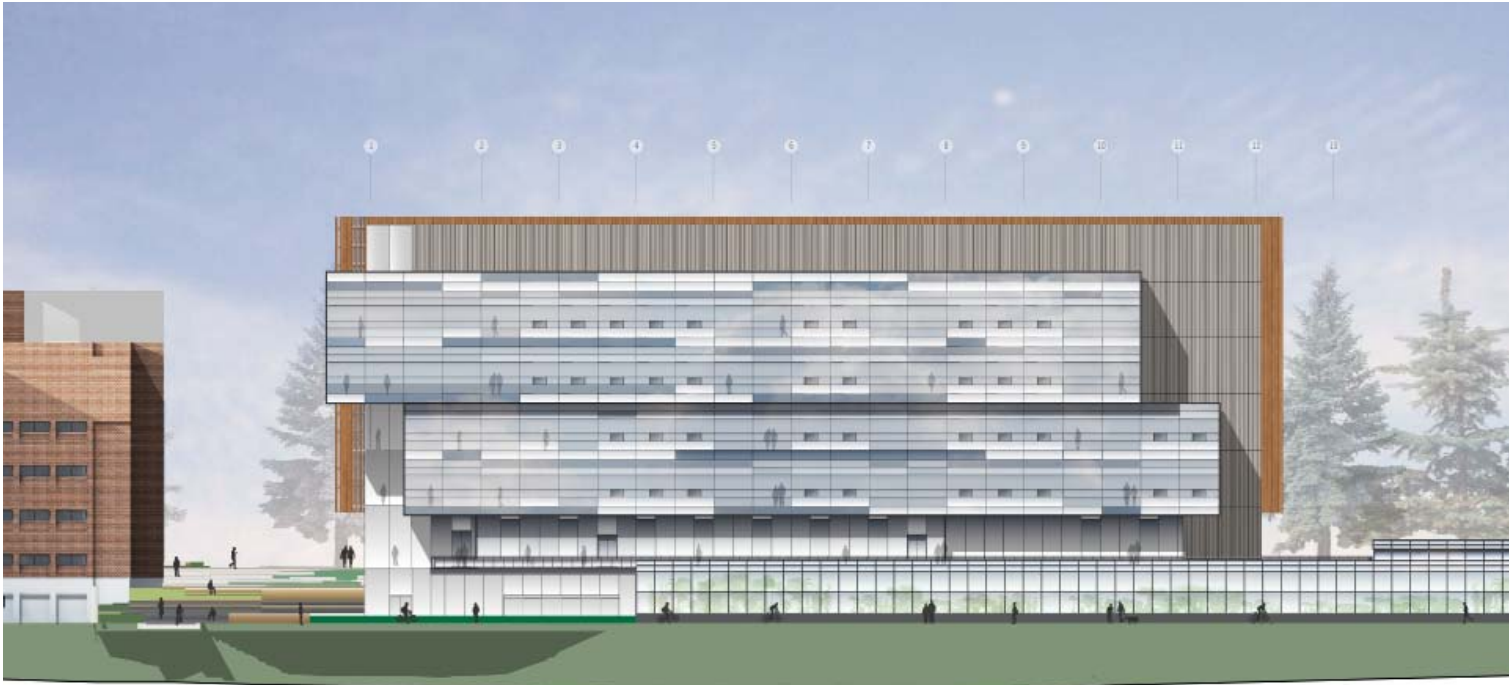


EAST ELEVATION

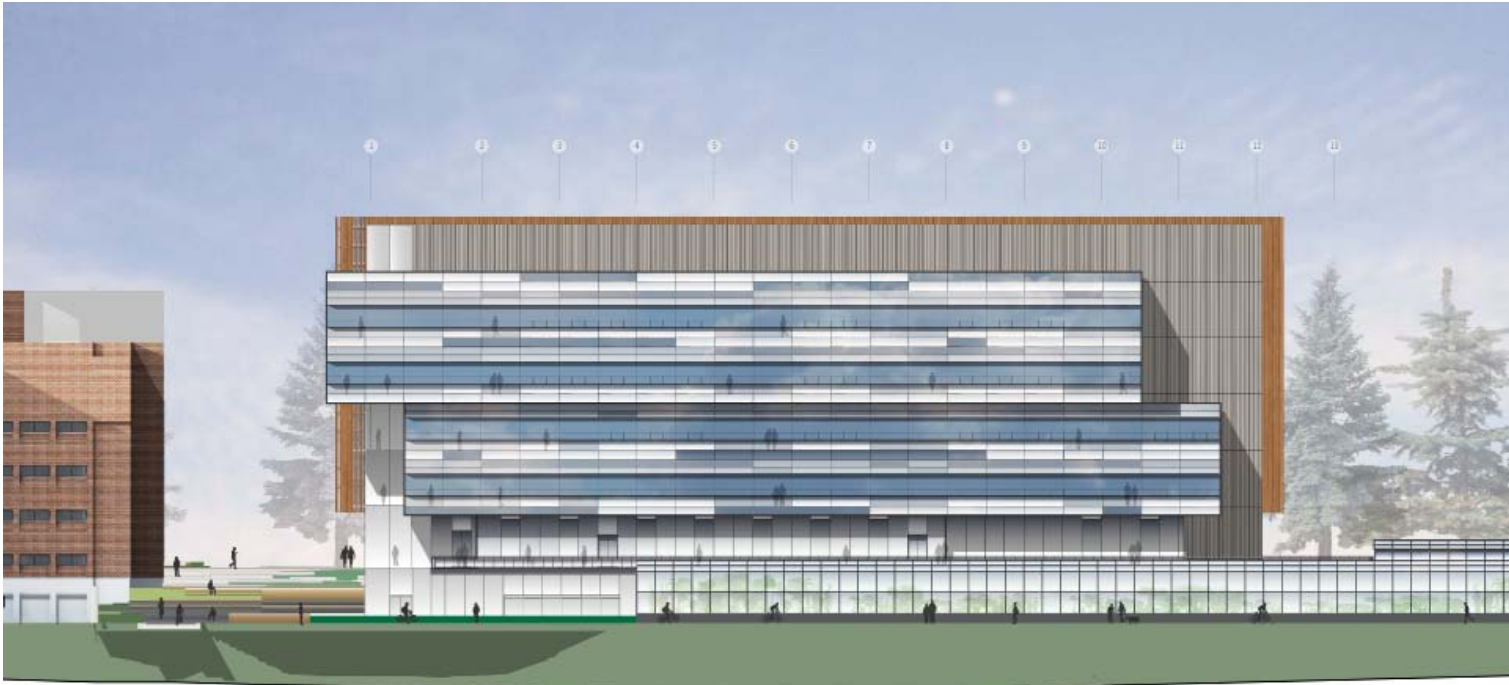


NORTH ELEVATION // VERTICAL LINEAR

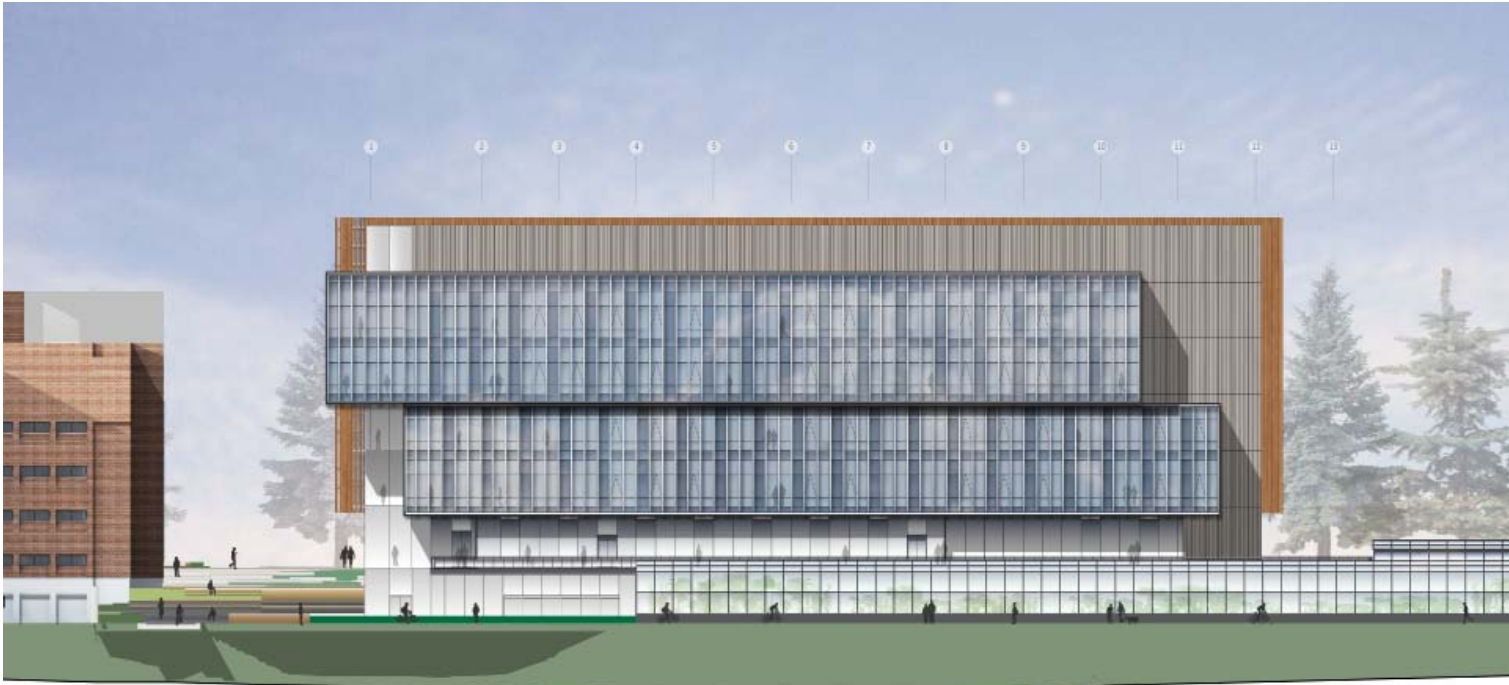
SOUTH ELEVATION STUDIES



SOUTH ELEVATION // **OPTION 1 - MOASIC**



SOUTH ELEVATION // **OPTION 2 - MOSAIC FRAMES**



SOUTH ELEVATION // **OPTION 3 - VERTICAL FINES**



SOUTH ELEVATION // **OPTION 4 - HORIZONTAL LOUVERS**

OPTION 1 - ALL OKATECH



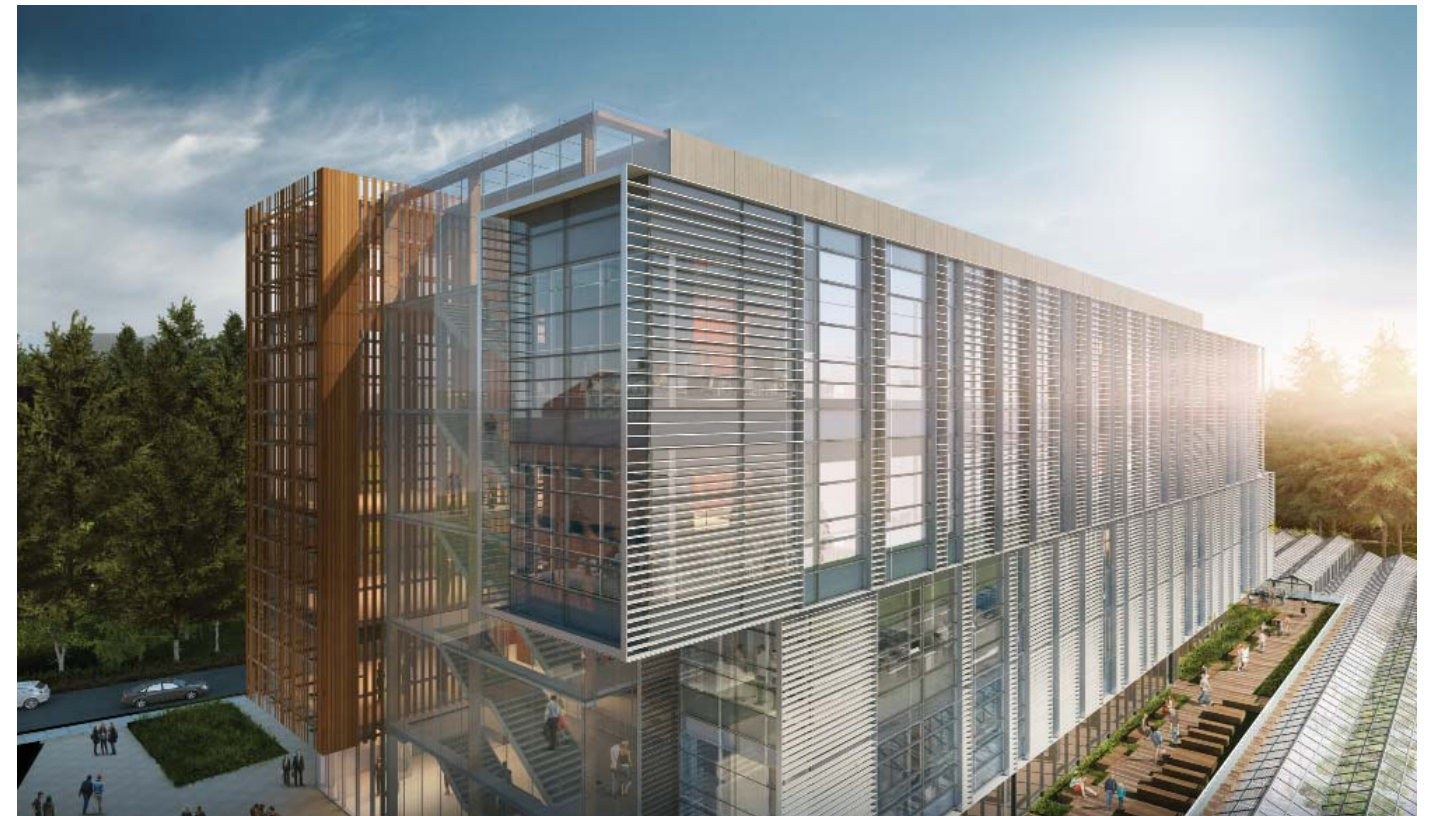
OPTION 2 - OKATECH WITH VISION



OPTION 3 - VERTICAL LOUVERS



OPTION 4 - HORIZONTAL LOUVERS



NORTH ELEVATION STUDIES

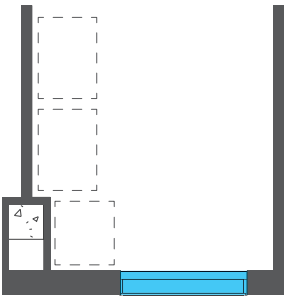


SOUTH ELEVATION // **OPTION 1 - MOSAIC**

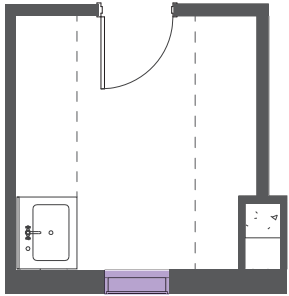


SOUTH ELEVATION // **OPTION 1 - VERTICAL MOSAIC**

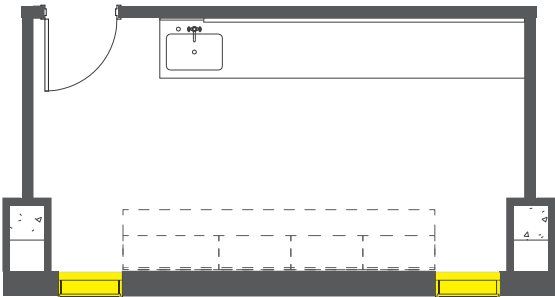
SD BASE CASE // OPTION 1 - VERTICAL LINEAR



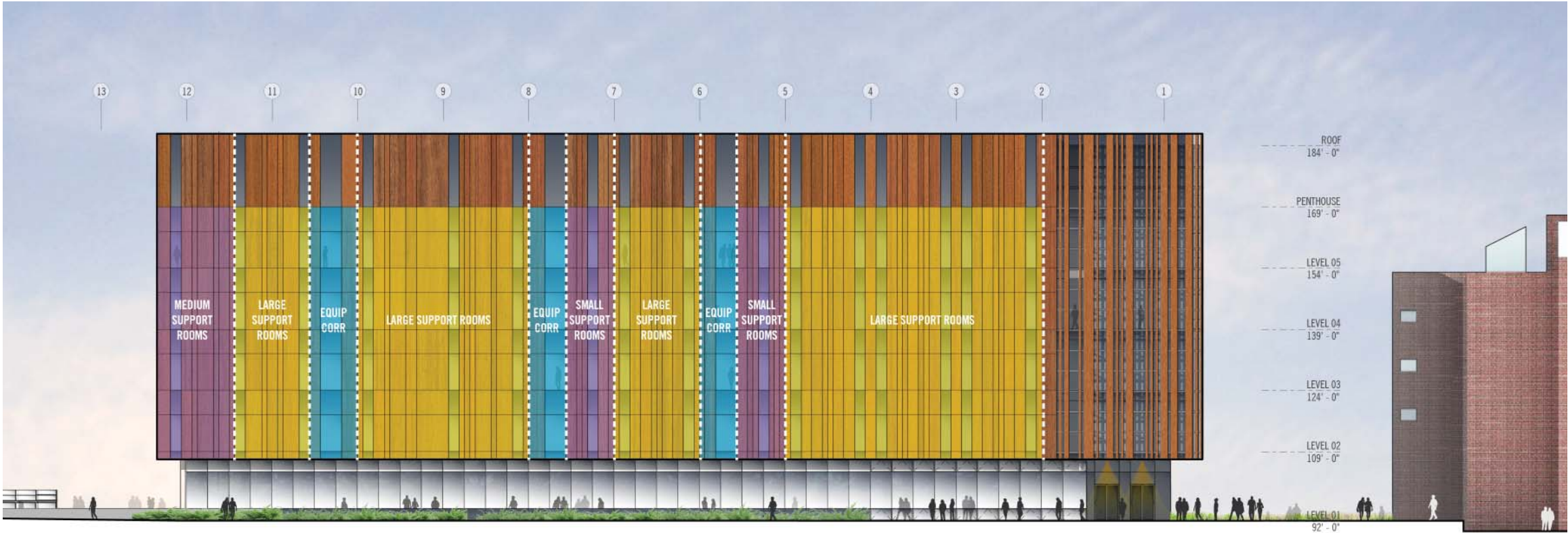
EQUIPMENT CORRIDOR (TYP.)



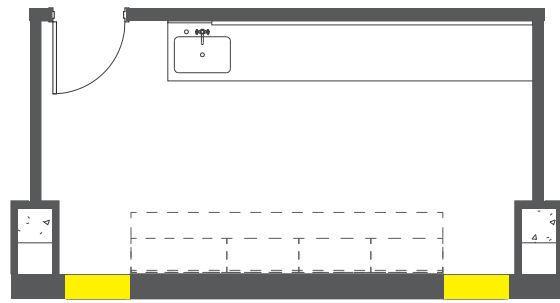
SMALL SUPPORT ROOM (TYP.)



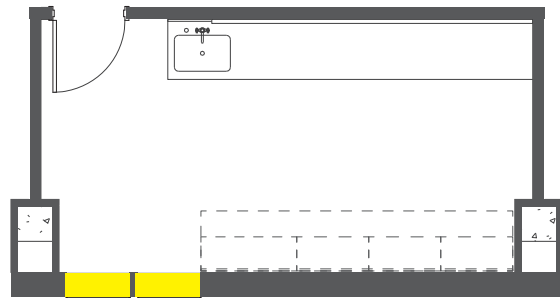
LARGE SUPPORT ROOM (TYP.)



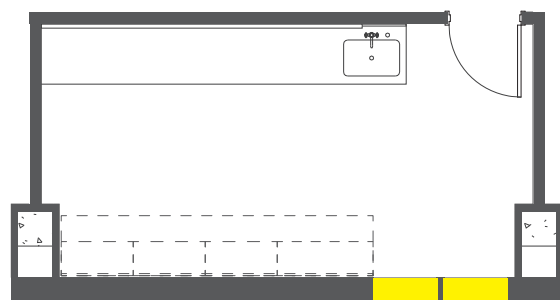
OPTION 2 - VERTICAL MOSAIC



LARGE SUPPORT ROOM - V1 (TYP.)



LARGE SUPPORT ROOM - V2



LARGE SUPPORT ROOM - V3

