1. Pre-Design Recap
2. Design Program Narrative
3. Massing & Facade Studies
4. Landscape Studies
1. PRE-DESIGN RECAP
<table>
<thead>
<tr>
<th>Project Goals</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCIENCE IS A GATEWAY</td>
</tr>
<tr>
<td>• State of the Art functional science building</td>
</tr>
<tr>
<td>• Recruitment &amp; retention for Department of Biology</td>
</tr>
<tr>
<td>• Education and Research facility</td>
</tr>
<tr>
<td>CONNECT</td>
</tr>
<tr>
<td>• Connections with the Life Sciences community</td>
</tr>
<tr>
<td>• Enhanced connectivity to campus and Preservation of site</td>
</tr>
<tr>
<td>• Contribution &amp; completion to the campus master plan</td>
</tr>
<tr>
<td>ENGAGE</td>
</tr>
<tr>
<td>• Open &amp; collaborative labs for students and faculty</td>
</tr>
<tr>
<td>• Open &amp; welcoming public space</td>
</tr>
<tr>
<td>• Memorable building and landscape that leads into the future</td>
</tr>
<tr>
<td>PROJECT DELIVERY</td>
</tr>
<tr>
<td>• LEED Gold minimum and 2030 Energy Challenge</td>
</tr>
<tr>
<td>• Integrative project management to meet design and program objectives</td>
</tr>
</tbody>
</table>
Pre-Design Recap
SITE ANALYSIS

LSB PROGRAMMING NEEDS

Greenhouse Program
Life Science Building Program

Pre-Design Recap
Pre-Design Recap

<table>
<thead>
<tr>
<th>LEVEL</th>
<th>AREA (SF)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BASEMENT 2</td>
<td>17,285</td>
</tr>
<tr>
<td>BASEMENT 1</td>
<td>22,195</td>
</tr>
<tr>
<td>LEVEL 1</td>
<td>21,750</td>
</tr>
<tr>
<td>LEVEL 2</td>
<td>23,600</td>
</tr>
<tr>
<td>LEVEL 3</td>
<td>23,600</td>
</tr>
<tr>
<td>LEVEL 4</td>
<td>23,600</td>
</tr>
<tr>
<td>LEVEL 5</td>
<td>23,600</td>
</tr>
<tr>
<td>ROOF - PENTHOUSE</td>
<td>12,000</td>
</tr>
<tr>
<td>BUILDING TOTAL</td>
<td>167,630</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>AREA (SF)</th>
</tr>
</thead>
<tbody>
<tr>
<td>GREENHOUSE</td>
</tr>
<tr>
<td>HEADHOUSE</td>
</tr>
<tr>
<td>GREENHOUSE TOTAL</td>
</tr>
</tbody>
</table>

| PROJECT TOTAL | 187,630 |

Lab Support
Office
Public
Building Support
Gathering Zone

LSB PROGRAM ADJACENCY

PROGRAMMING & MASSING
Pre-Design Recap

PROGRAMMING & MASSING

SOLAR ANALYSIS

Solar Exposure

Sun Path Diagram

- Summer Solstice
- Winter Solstice

University of Washington: Life Sciences Building | Pre-Design
Pre-Design Recap

University of Washington: Life Sciences Building

Program Adjacency Section

Pre-Design Recap

University of Washington Life Sciences Building

Pre-Design Recap

Program Adjacency Section
Approved Pre-Design Massing
Pre-Design Recap
Gateway gathering zones
Pre-Design Recap

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

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
Guiding Principles

SCIENCE IS A GATEWAY

CONNECTIONS

ENGAGEMENTS
Science is a Gateway to Knowledge
Ecotone + Edges + Intersections
Biodiversity + Habitat + Wildlife Corridors & Nodes
Enhanced Connections to Campus

Contribution to Campus Master plan
Life Sciences Community

A new Heart for Biology
Movement Corridors
Transformation

Site Engagement + Succession
Science on Display

Social Engagement + Outreach + Science
Engaging Context

Ecotone = Engagements

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
Site = Corridor + Node
Ecotone = Natural + Technological
3. MASSING & FACADE STUDIES
PROGRAMMING & MASSING

PRE-DESIGN MASSING

- Lab
- Office
- Public
- Service
- Headhouse
- Greenhouse
Pre-Design

Current Design - Ecotone

Relationship with site

Views Out to South Campus

Reflection of program

Massing Strategy
South Elevation Operations
Elevations
CHARACTER
Urban
Direct Solar Exposure
Major Visibility
Horizontally
Sleek and Delicate

PRODUCTS/MATERIALS
Okalux
Aluminum

SOUTH ELEVATION SKIN

South

TECHNOLOGICAL

HORIZONTAL

South Facade // Concepts
South Elevation // Concept // South West Perspective
South Elevation // Concepts
North Facade // Concepts

**NORTH ELEVATION SKIN**

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

**PRODUCTS/MATERIALS**
- Parklex - Wood Composite
- Glass

---

NORTH ELEVATION

30%
50%

NATURAL

VERTICAL

---
North Elevation // Concepts
West & East Elevation Skin

Products/Materials
- Parklex - Wood Composite
- Metal Panel
- Glass
- Aluminum

West & East Facade // Concepts
West & East Facade // Concepts
4. LANDSCAPE

HABITAT  BIODIVERSITY  CORRIDORS & NODES
1. STEVENS WAY
2. WORK YARD
3. GREENHOUSES/BGT
4. PORCH
Work Yard // Site Plan

University of Washington Life Sciences Building

GUSTAFSON GUTHRIE NICHOL

PERKINS+WILL
Retaining Wall // Wall As Habitat
Scheme 1 - Campus Wildlife Corridor

Scheme 2 - Watering Hole
Porch Schemes // Plaza Programming & Circulation

**Scheme 1 - Campus Wildlife Corridor**
- Outdoor area: 2,400 SF
- LSB Entry Plaza & Campus Meeting Point
- 1-8 people sitting casually

**Scheme 2 - Watering Hole**
- Outdoor area: 2,600 SF
- Life Sciences Gathering Space
- 1-20 people sitting casually

University of Washington Life Sciences Building

GUSTAFSON GUTHRIE NICHOL P E R K I N S + W I L L
Scheme 1 - Campus Wildlife Corridor

Scheme 2 - Watering Hole
University of Washington Life Sciences Building

Porch // Site Plan

GUSTAFSON GUTHRIE NICHOL  PERKINS+WILL
Porch // View Looking North